



09/26/2007  
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777 New Durham Road  
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679  
www.stl-inc.com

Attention: Mr. John Brussel

Laboratory Results  
Job No. K084 - National Grid

Dear Mr. Brussel:

Enclosed are the results you requested for the following sample(s) received at our laboratory on August 17, 2007.

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
854473	SED-WC-1	TCLP VOA TCLP BNA PCBs TCLP Metals Corrosivity Reac S Reac CN Ignitability
854474	V-US_0-0.5	PCBs TOC
854479	V3-2_0-0.5	PCBs TOC
854480	V4-2_0-0.5	PCBs TOC
854482	DUP-1	PCBs TOC
854485	V4-1_1-1.5	PCBs TOC
854486	V2-2_0-0.5	PCBs TOC
854488	V1-2_0-0.5	PCBs



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Laboratory Results  
Job No. K084 - National Grid (cont'd)

<u>Lab No.</u>	<u>Client ID</u>	<u>Analysis Required</u>
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This report is not to be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please contact me at (732) 549-3900.

Very Truly Yours,

Janae McCloud  
Project Manager

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# **Sample Data Summary Package**

**SDG: K084**

**Site: National Grid**

## Lab/Client ID Cross Reference

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND  
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		*VOA GC/MS Method 8260B	*BNA GC/MS Method 8270C	*PEST PCBs Method 8082	*PEST Method 8081A/8151A	*Metals Method SW-846	*Other 1
SED-WC-1	854473	❖	❖	❖		❖	❖
V-US 0-0.5	854474			❖			❖
V3-2 0-0.5	854479			❖			❖
V4-2 0-0.5	854480			❖			❖
DUP-1	854482			❖			❖
V4-1 1-1.5	854485			❖			❖
V2-2 0-0.5	854486			❖			❖
V1-2 0-0.5	854488			❖			❖

Analysis include **Wet Chemistry** (Corrosivity, Reac S, Reac CN, Ignitibility, TOC)

## Sample Preparation and Analysis Summary



**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
VOLATILE (VOA)  
ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
854473	SOLID	8/16/07	8/17/07		8/22/07

10/95

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
SEMIVOLATILE (BNA)  
ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
854473	SOLID	8/16/07	8/17/07	8/24/07	8/25/07

10/95

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
SEMIVOLATILE (BNA)  
ANALYSES**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
854473	SOLID	1989 NYSDEC ASP - Revision 10/95	Liquid-Liquid		

10/95

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
PESTICIDE/PCB  
ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
854473	SOLID	8/16/07	8/17/07	8/18/07	8/20/07
854474	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854475	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854476	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854477	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854478	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854479	SOLID	8/16/07	8/17/07	8/18/07	8/20/07
854480	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854481	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854482	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854483	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854484	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854485	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854485MS	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854485SD	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854486	SOLID	8/16/07	8/17/07	8/18/07	8/20/07
854487	SOLID	8/16/07	8/17/07	8/18/07	8/20/07
854488	SOLID	8/16/07	8/17/07	8/18/07	8/20/07
854489	SOLID	8/16/07	8/17/07	8/18/07	8/20/07
854490	SOLID	8/16/07	8/17/07	8/18/07	8/20/07
854491	SOLID	8/16/07	8/17/07	8/18/07	8/20/07
854492	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854493	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854494	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854495	SOLID	8/15/07	8/17/07	8/18/07	8/20/07
854496	SOLID	8/15/07	8/17/07	8/20/07	9/24/07
854497	SOLID	8/15/07	8/17/07	8/20/07	9/24/07
854498	SOLID	8/15/07	8/17/07	8/20/07	9/24/07
854499	SOLID	8/15/07	8/17/07	8/20/07	9/24/07
854500	SOLID	8/15/07	8/17/07	8/20/07	9/24/07

10/95

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
PESTICIDE/PCB  
ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
854501	SOLID	8/15/07	8/17/07	8/20/07	9/24/07
854680	SOLID	8/15/07	8/17/07	8/22/07	8/23/07

10/95

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Parameters	Date Rec'd at Lab	Date Analyzed
854473	SOLID	% SOLIDS	8/17/07	8/21/07
854473	SOLID	1030 IGNITABILITY	8/17/07	8/24/07
854473	SOLID	CN REACTIVITY	8/17/07	8/22/07
854473	SOLID	CORROSIVITY	8/17/07	8/22/07
854473	SOLID	S REACTIVITY	8/17/07	8/22/07
854473	SOLID	TCLP ARSENIC	8/17/07	8/24/07
854473	SOLID	TCLP BARIUM	8/17/07	8/24/07
854473	SOLID	TCLP CADMIUM	8/17/07	8/24/07
854473	SOLID	TCLP CHROMIUM	8/17/07	8/24/07
854473	SOLID	TCLP LEAD	8/17/07	8/24/07
854473	SOLID	TCLP MERCURY	8/17/07	8/24/07
854473	SOLID	TCLP PREP	8/17/07	8/21/07
854473	SOLID	TCLP SELENIUM	8/17/07	8/24/07
854473	SOLID	TCLP SILVER	8/17/07	8/24/07
854473	SOLID	ZHE PREP	8/17/07	8/21/07
854474	SOLID	% SOLIDS	8/17/07	8/21/07
854474	SOLID	TOC	8/17/07	8/20/07
854475	SOLID	% SOLIDS	8/17/07	8/21/07
854476	SOLID	% SOLIDS	8/17/07	8/21/07

10/95

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Parameters	Date Rec'd at Lab	Date Analyzed
854477	SOLID	% SOLIDS	8/17/07	8/21/07
854478	SOLID	% SOLIDS	8/17/07	8/21/07
854479	SOLID	% SOLIDS	8/17/07	8/21/07
854479	SOLID	TOC	8/17/07	8/20/07
854480	SOLID	% SOLIDS	8/17/07	8/21/07
854480	SOLID	TOC	8/17/07	8/20/07
854481	SOLID	% SOLIDS	8/17/07	8/21/07
854482	SOLID	% SOLIDS	8/17/07	8/21/07
854482	SOLID	TOC	8/17/07	8/20/07
854483	SOLID	% SOLIDS	8/17/07	8/21/07
854484	SOLID	% SOLIDS	8/17/07	8/21/07
854485	SOLID	% SOLIDS	8/17/07	8/21/07
854485	SOLID	TOC	8/17/07	8/20/07
854486	SOLID	% SOLIDS	8/17/07	8/21/07
854486	SOLID	TOC	8/17/07	8/20/07
854487	SOLID	% SOLIDS	8/17/07	8/21/07
854488	SOLID	% SOLIDS	8/17/07	8/21/07
854488	SOLID	TOC	8/17/07	8/20/07
854489	SOLID	% SOLIDS	8/17/07	8/21/07

10/95

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL  
CONSERVATION**

**SAMPLE PREPARATION AND ANALYSIS SUMMARY  
INORGANIC ANALYSES**

Laboratory Sample ID	Matrix	Parameters	Date Rec'd at Lab	Date Analyzed
854490	SOLID	% SOLIDS	8/17/07	8/21/07
854491	SOLID	% SOLIDS	8/17/07	8/21/07
854492	SOLID	% SOLIDS	8/17/07	8/21/07
854493	SOLID	% SOLIDS	8/17/07	8/21/07
854494	SOLID	% SOLIDS	8/17/07	8/21/07
854495	SOLID	% SOLIDS	8/17/07	8/21/07
854496	SOLID	% SOLIDS	8/17/07	8/21/07
854497	SOLID	% SOLIDS	8/17/07	8/21/07
854498	SOLID	% SOLIDS	8/17/07	8/21/07
854499	SOLID	% SOLIDS	8/17/07	8/21/07
854500	SOLID	% SOLIDS	8/17/07	8/21/07
854501	SOLID	% SOLIDS	8/17/07	8/21/07
854680	SOLID	% SOLIDS	8/17/07	9/1/07

10/95



## Non-Conformance Summary

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www.stl-inc.com

## SDG NARRATIVE

### TEST AMERICA EDISON

#### SDG No. K084

<u>TA Edison Sample</u>	<u>Client ID</u>
854473	SED-WC-1
854474	V-US_0-0.5
854479	V3-2_0-0.5
854480	V4-2_0-0.5
854482	DUP-1
854485	V4-1_1-1.5
854486	V2-2_0-.05
854488	V1-2_0-0.5

#### **Sample Receipt:**

Sample delivery conforms to requirements.

#### **Volatile Organic Analysis (GC/MS):**

All data conforms to method requirements.

#### **Base/Neutral and/or Acid Extractable Organics (GC/MS):**

All data conforms to method requirements.

#### **Pesticides/PCBs:**

All data conforms to method requirements.

**Metals:**

All data conforms to method requirements.

**Wet Chemistry:**

Reactive Cyanide spike recovery biased low (low recovery expected with this test procedure.)

I certify that this data package is in compliance with the terms of the contract (OLCO2.1) both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this data package has been authorized by the laboratory manager or his designee.

  
Janae McCloud  
Project Manager

## Results/QC Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY  
METHOD 8260B

Matrix: WATER      Level: LOW      Lab Job No: K084

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	BV234T	92	100	102		0
02	854473	102	104	107		0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

S1            = 1,2-Dichloroethane-d4      (65-144)  
 S2            = Toluene-d8                      (63-141)  
 S3            = Bromofluorobenzene            (60-146)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY  
METHOD 8260B

Matrix: WATER

Level: LOW

Lab Job No: 6799

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	6799BS	101	101	99		0
02	BV234T	92	100	102		0
03	BV235T	104	104	107		0
04	854470	106	108	112		0
05	854470MS	106	113	106		0
06	BV238T	106	112	119		0
07	854470MSD	114	107	108		0
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

S1 = 1,2-Dichloroethane-d4 (65-144)  
 S2 = Toluene-d8 (63-141)  
 S3 = Bromofluorobenzene (60-146)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY  
METHOD 8260B

Matrix: WATER

Matrix Spike - Lab Sample No.: 591762

Level: LOW

MS Sample from Lab Job No: Q098

QA Batch: 6799

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.00	53	106	67-124
Trichloroethene	50	0.00	55	110	75-121
Benzene	50	0.00	60	120	78-120
Toluene	50	0.00	63	126	76-126
Chlorobenzene	50	0.00	62	124	79-124

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	50	55	110	4	40	67-124
Trichloroethene	50	54	108	2	40	75-121
Benzene	50	60	120	0	40	78-120
Toluene	50	58	116	8	40	76-126
Chlorobenzene	50	58	116	7	40	79-124

# Column to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B49221

Date Analyzed: 08/22/07

Instrument ID: VOAMS2

Time Analyzed: 1018

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	3016373	8.09	2089990	11.64	1229144	14.09
UPPER LIMIT	6032746	8.59	4179980	12.14	2458288	14.59
LOWER LIMIT	1508186	7.59	1044995	11.14	614572	13.59
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BV234T	2981350	8.09	2266234	11.64	1252205	14.09
02 854473	2804099	8.10	2148156	11.64	1239201	14.09
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

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

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B49221

Date Analyzed: 08/22/07

Instrument ID: VOAMS2

Time Analyzed: 1018

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	3016373	8.09	2089990	11.64	1229144	14.09
UPPER LIMIT	6032746	8.59	4179980	12.14	2458288	14.59
LOWER LIMIT	1508186	7.59	1044995	11.14	614572	13.59
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 6799BS	2754637	8.10	1975936	11.65	1168719	14.09
02 BV234T	2981350	8.09	2266234	11.64	1252205	14.09
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

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

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B49236

Date Analyzed: 08/23/07

Instrument ID: VOAMS2

Time Analyzed: 1014

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	2927251	8.10	2035342	11.64	1198944	14.09
UPPER LIMIT	5854502	8.60	4070684	12.14	2397888	14.59
LOWER LIMIT	1463626	7.60	1017671	11.14	599472	13.59
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BV235T	3173601	8.11	2389786	11.64	1303009	14.10
02 854470	2775530	8.12	2128742	11.65	1204859	14.11
03 854470MS	2698941	8.12	1854764	11.65	1119254	14.11
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

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

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B49254

Date Analyzed: 08/26/07

Instrument ID: VOAMS2

Time Analyzed: 0529

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	3073580	8.17	2330001	11.70	1311122	14.15
UPPER LIMIT	6147160	8.67	4660002	12.20	2622244	14.65
LOWER LIMIT	1536790	7.67	1165000	11.20	655561	13.65
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BV238T	2634517	8.17	1940589	11.70	1085453	14.16
02 854470MSD	2948504	8.13	2165697	11.67	1289879	14.12
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 = Fluorobenzene  
 IS2 (CBZ) = Chlorobenzene-d5  
 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.

SEMI-VOLATILE SURROGATE RECOVERY  
METHOD 8270C

Matrix: WATER

Level: LOW

Lab Job No: K084

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	EB236	42	27	73	79	81	87	0
02	854473	43	30	72	82	84	89	0
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

S1 = 2-Fluorophenol (25- 67)  
 S2 = Phenol-d5 (15- 47)  
 S3 = 2,4,6-Tribromophenol (59-114)  
 S4 = Nitrobenzene-d5 (57-122)  
 S5 = 2-Fluorobiphenyl (52-123)  
 S6 = Terphenyl-d14 (66-106)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SEMI-VOLATILE SURROGATE RECOVERY  
METHOD 8270C

Matrix: WATER

Level: LOW

Lab Job No: QA5191

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	5191BS	49	31	85	92	84	102	0
02	853865	48	31	85	91	83	100	0
03	853865MS	47	30	84	90	82	101	0
04	853865MSD	45	30	83	90	83	101	0
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

S1 = 2-Fluorophenol (25- 67)  
 S2 = Phenol-d5 (15- 47)  
 S3 = 2,4,6-Tribromophenol (59-114)  
 S4 = Nitrobenzene-d5 (57-122)  
 S5 = 2-Fluorobiphenyl (52-123)  
 S6 = Terphenyl-d14 (66-106)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY  
METHOD 8270C

Matrix: LEACHATE

Matrix Spike - Lab Sample No.: 853865

Level: LOW

MS Sample from Lab Job No: J983

QA Batch: 5191

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
2-Methylphenol	800	0.00	600	75	53-80
4-Methylphenol	1600	0.00	1000	62	41-72
2,4,6-Trichlorophenol	800	0.00	720	90	57-116
2,4,5-Trichlorophenol	800	0.00	710	89	46-117
Pentachlorophenol	800	0.00	750	94	63-126
1,4-Dichlorobenzene	400	0.00	280	70	43-107
Hexachloroethane	400	0.00	220	55	29-114
Nitrobenzene	400	0.00	290	72	29-101
Hexachlorobutadiene	400	0.00	160	40	26-124
2,4-Dinitrotoluene	400	0.00	380	95	64-119
Hexachlorobenzene	400	0.00	300	75	33-122
Pyridine	400	0.00	200	50	18-72

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.	
2-Methylphenol	800	590	74	2	40	53-80
4-Methylphenol	1600	1000	62	0	40	41-72
2,4,6-Trichlorophenol	800	710	89	1	40	57-116
2,4,5-Trichlorophenol	800	700	88	1	40	46-117
Pentachlorophenol	800	720	90	4	40	63-126
1,4-Dichlorobenzene	400	290	72	4	40	43-107
Hexachloroethane	400	240	60	9	40	29-114
Nitrobenzene	400	290	72	0	40	29-101
Hexachlorobutadiene	400	180	45	12	40	26-124
2,4-Dinitrotoluene	400	390	98	3	40	64-119
Hexachlorobenzene	400	310	78	3	40	33-122
Pyridine	400	180	45	11	40	18-72

# Column to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS: \_\_\_\_\_

SEMI-VOLATILE BLANK SPIKE RECOVERY  
METHOD 8270C

QA Batch: 5191bs

Compound	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC.	QC. LIMITS REC.
=====	=====	=====	=====	=====
2-Methylphenol	800	580	72	53-80
4-Methylphenol	1600	1000	62	41-72
2,4,6-Trichlorophenol	800	710	89	57-116
2,4,5-Trichlorophenol	800	710	89	46-117
Pentachlorophenol	800	680	85	63-126
1,4-Dichlorobenzene	400	310	78	43-107
Hexachloroethane	400	280	70	29-114
Nitrobenzene	400	290	72	29-101
Hexachlorobutadiene	400	230	57	26-124
2,4-Dinitrotoluene	400	390	98	64-119
Hexachlorobenzene	400	310	78	33-122
Pyridine	400	180	45	18-72

# Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 12 outside limits

GC ORGANICS SURROGATE RECOVERY

Matrix: SOIL

Level: LOW

Lab Job No: K084

	LABORATORY SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TOT OUT
	=====	=====	=====	=====
01	SP230X	100	91	0
02	854485	102		0
03	854485MS	106		0
04	854485MSD	111		0
05	854473	116	106	0
06	854474	109	98	0
07	854479	107	100	0
08	854480	113		0
09	854482	110		0
10	854486	117	98	0
11	854488	113		0
12	5815BS	114		0
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

ADVISORY  
QC LIMITS

S1 = Decachlorobiphenyl (sur (60-151))

- # Column to be used to flag recovery values
- \* Values outside of advisory QC limits
- D Surrogate diluted out
- R Surrogate removed during H2SO4 cleanup procedure
- \*\* Not detected due to coeluting interference



GC BLANK SPIKE RECOVERY  
METHOD 8082

QA Batch: 5815

Compound	SPIKE ADDED (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC.	QC. LIMITS REC.
Aroclor-1016	330	320	97	70-160
Aroclor-1260	330	340	103	42-186

# Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 2 outside limits

GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY  
METHOD 8082

Matrix: SOIL

Matrix Spike - Lab Sample No.: 854485

Level: LOW

MS Sample from Lab Job No: K084

QA Batch: 5815

Compound	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	460	0.00	450	98	70-160
Aroclor-1260	460	0.00	490	107	42-186

Compound	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	460	520	113	14	29	70-160
Aroclor-1260	460	490	107	0	24	42-186

# Column to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

Compound	REC #
Aroclor-1016	98
Aroclor-1260	107

COMMENTS:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSL082407

Lab Name: TEST\_AMERICA

Lab Code: 12028 Lab Job No.: K084

Batch No.: 23123

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic	75-125	5109.9040	32.0000 U	5000.00	102.2		P
Barium	75-125	10210.3180	331.5200 B	10000.00	98.8		P
Beryllium							NR
Cadmium	75-125	1084.9860	4.0000 U	1000.00	108.5		P
Calcium							NR
Chromium	75-125	5179.9210	271.5500 B	5000.00	98.2		P
Cobalt							NR
Copper							NR
Iron							NR
Lead	75-125	5343.5400	96.0200 B	5000.00	105.0		P
Magnesium							NR
Manganese							NR
Mercury	75-125	5.1000	1.0000 U	5.00	102.0		CV
Nickel							NR
Potassium							NR
Selenium	75-125	1036.5850	42.0000 U	1000.00	103.7		P
Silver	75-125	504.0990	14.0000 U	500.00	100.8		P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Molybdenu							NR

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

854473MS

Lab Name: TEST AMERICA

Lab Code: 12028 Lab Job No.: K084

Batch No.: 23123

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic	75-125	5153.3900	16.0000 U	5000.00	103.1		P
Barium	75-125	11025.4800	613.8300 B	10000.00	104.1		P
Beryllium							NR
Cadmium	75-125	1067.6300	2.0000 U	1000.00	106.8		P
Calcium							NR
Chromium	75-125	5128.2000	8.0000 U	5000.00	102.6		P
Cobalt							NR
Copper							NR
Iron							NR
Lead	75-125	5321.9600	17.9500 B	5000.00	106.1		P
Magnesium							NR
Manganese							NR
Mercury	75-125	5.2800	0.1000 U	5.00	105.6		CV
Nickel							NR
Potassium							NR
Selenium	75-125	1060.1650	21.0000 U	1000.00	106.0		P
Silver	75-125	505.7350	7.0000 U	500.00	101.1		P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Molybdenu							NR

Comments:

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\_\_\_\_\_

\_\_\_\_\_

DUPLICATES

LAB SAMPLE NO.

854473D

Lab Name: TEST\_AMERICA

Lab Code: 12028 Lab Job No.: K084

Batch No.: 23123

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								NR
Arsenic		16.0000	U	16.0000	U			NR
Barium	200.0	613.8300	B	600.4050	B	2.2		P
Beryllium								NR
Cadmium		2.0000	U	2.0000	U			P
Calcium								NR
Chromium		8.0000	U	8.0000	U			P
Cobalt								NR
Copper								NR
Iron								NR
Lead		17.9500	B	13.5000	U	200.0		P
Magnesium								NR
Manganese								NR
Mercury		0.1000	U	0.1000	U			CV
Nickel								NR
Potassium								NR
Selenium		21.0000	U	21.0000	U			P
Silver		7.0000	U	7.0000	U			P
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Molybdenum								NR

**pH/Corrosivity**

**Matrix: SOLID**

**Lab Sample No.: 853719**

**QA Batch No.: 3262**

**Lab Job No.: J962**

<b>Duplicate</b>			
<b>Sample Conc Units: SU</b>	<b>DUP Conc Units: SU</b>	<b>RPD</b>	<b>Q.C. Limits RPD</b>
6.78	6.80	0.3	10.0

<b>Laboratory Control Sample</b>				
<b>Vendor</b>	<b>Lot #</b>	<b>True Value Units: SU</b>	<b>Acceptable Range: SU</b>	<b>Measured Value: SU</b>
ERA	(P136-977)	6.53	6.35-6.63	6.47

**QA SUMMARY-DUPPLICATES & BLANKS-HAZ. WASTE CHARACTERISTICS**

**Sample Number:** 853859

**Job Number:** J983

<b>Test</b>	<b>QA Batch No.</b>	<b>Matrix</b>	<b>Sample Result</b>	<b>Sample Dup Result</b>	<b>Lab Blank</b>
<b>Ignitability</b>	2068	SOLID	ND	ND	NA

# REACTIVE CYANIDE

Matrix: SOLID

Lab Sample No.: 853865

QA Batch No.: 1965

Lab Job No.: J 983

Laboratory Blank	
Blank Conc Units: mg/kg	Quant Limit Units: mg/kg
ND	25.0

Duplicate			
Sample Conc Units: mg/kg	DUP Conc Units: mg/kg	RPD	Q.C. Limits RPD
ND	ND	0.0	10.0

BLANK SPIKE		
True Value Unit :mg/l	Acceptable Range :mg/l	Measured Value :mg/l
40.0	28.0-52.0	5.0



# REACTIVE SULFIDE

**Matrix: SOLID**

**Lab Sample No.: 853865**

**QA Batch No.: 1970**

**Lab Job No.: J 983**

Laboratory Blank	
Blank Conc Units: mg/kg	Quant Limit Units: mg/kg
ND	20.0

Matrix Spike				
Spike Added Units: mg/kg	Sample Conc Units: mg/kg	MS Conc Units: mg/kg	MS %Rec	MS % Rec LIMITS
647	ND	145	22.4	5-59

Matrix Spike Duplicate				
Spike Added Units:mg/kg	MSD Conc Units:mg/kg	MSD % Rec	% RPD	RPD LIMITS
647	145	22.4	0.0	20.0

Laboratory Control Sample				
Vendor	Lot#	True Value (mg/l)	Range (mg/l)	Measured Value (mg/l)
ERA	P 140-071	24.0	13.3-34.6	23.9

# TOTAL ORGANIC CARBON

Matrix: SOLID

Lab Sample No.: 854485

QA Batch No: 3422

Lab Job No.: K 084

Laboratory Blank	
Blank Conc. (mg/kg)	Quant Limit (mg/kg)
ND	100

Sample Replicates				
#1 (mg/kg)	#2 (mg/kg)	#3 (mg/kg)	#4 (mg/kg)	AVG (mg/kg)
15700	16000	14200	16600	15625

Standard Deviation	%RSD	Control Limits
1021.03	6.53	15.0

LCS				
Vendor Name	Lot #	Mean Value (mg/kg)	Range (mg/kg)	Measured Value (mg/kg)
ERA	D049-542	9080	4600-13600	9650

## Analytical Results Summary

Client ID: SED-WC-1  
Site: National Grid

Lab Sample No: 854473  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Prepped: 08/21/07  
Date Analyzed: 08/22/07  
Lab File ID: b49226.d

Leachate Volume: 5.0 ml  
Dilution Factor: 1.0  
GC Column: Rtx-VMS  
Instrument ID: VOAMS2.i

**TOXICITY CHARACTERISTIC LEACHING PROCEDURE**

**VOLATILE ORGANICS - GC/MS**

<u>Parameter</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Quantitation Limit Units: mg/l</u>
Vinyl Chloride	ND	0.2	0.0050
1,1-Dichloroethene	ND	0.7	0.0020
Chloroform	ND	6.0	0.0050
1,2-Dichloroethane	ND	0.5	0.0020
Methyl Ethyl Ketone	ND	200	0.0050
Carbon Tetrachloride	ND	0.5	0.0020
Trichloroethene	ND	0.5	0.0010
Benzene	ND	0.5	0.0010
Tetrachloroethene	ND	0.7	0.0010
Chlorobenzene	ND	100	0.0050

Client ID: SED-WC-1  
Site: National Grid

Lab Sample No: 854473  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Prepped: 08/21/07  
Date Extracted: 08/24/07  
Date Analyzed: 08/25/07  
Lab File ID: s29510.d

Leachate Volume: 250.0 ml  
Extract Final Volume: 2.0 ml  
Dilution Factor: 1.0  
GC Column: DB-5  
Instrument ID: BNAMS2.i

### TOXICITY CHARACTERISTIC LEACHING PROCEDURE

#### EXTRACTABLE ORGANICS

<u>Parameter</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Quantitation Limit Units: mg/l</u>
o-Cresol	ND	200 (a)	0.040
m&p-Cresol	ND	200 (a)	0.040
2,4,6-Trichlorophenol	ND	2.0	0.040
2,4,5-Trichlorophenol	ND	400	0.040
Pentachlorophenol	ND	100	0.12
1,4-Dichlorobenzene	ND	7.5	0.040
Hexachloroethane	ND	3.0	0.0040
Nitrobenzene	ND	2.0	0.0040
Hexachlorobutadiene	ND	0.5	0.0080
2,4-Dinitrotoluene	ND	0.13	0.0080
Hexachlorobenzene	ND	0.13	0.0040
Pyridine	ND	5.0	0.040

(a) If o-, m-, and p-cresol concentrations cannot be differentiated, the total cresol concentration is used. The regulatory level of total cresol is 200 mg/l.

Client ID: SED-WC-1  
Site: National Grid

Lab Sample ID: 854473  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423272.d  
Rear File ID: vr423272.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 31

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u>	
		Limit	Column
Aroclor-1016	ND	97	R
Aroclor-1221	ND	97	R
Aroclor-1232	ND	97	R
Aroclor-1242	ND	97	R
Aroclor-1248	ND	97	R
Aroclor-1254	ND	97	R
Aroclor-1260	260	97	R
Aroclor-1262	ND	97	R
Aroclor-1268	ND	97	R

Client ID: V-US 0-0.5  
Site: National Grid

Lab Sample ID: 854474  
Lab Job No: K084

Date Sampled: 08/15/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCPL2  
GC Rear Column: StxCPL1  
Instrument ID: PESTGC9.i  
Front File ID: vf423273.d  
Rear File ID: vr423273.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 32

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u>	<u>Column</u>
Aroclor-1016		ND	98	R
Aroclor-1221		ND	98	R
Aroclor-1232		ND	98	R
Aroclor-1242		ND	98	R
Aroclor-1248		ND	98	R
Aroclor-1254		ND	98	R
Aroclor-1260		ND	98	R
Aroclor-1262	150	ND	98	R
Aroclor-1268		ND	98	R

Client ID: V3-2 0-0.5  
Site: National Grid

Lab Sample ID: 854479  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423278.d  
Rear File ID: vr423278.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 17

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	Analytical Results	Quantitation	
	Units: ug/kg (Dry Weight)	Limit	Column
Aroclor-1016	ND	81	R
Aroclor-1221	ND	81	R
Aroclor-1232	ND	81	R
Aroclor-1242	ND	81	R
Aroclor-1248	ND	81	R
Aroclor-1254	ND	81	R
Aroclor-1260	500	81	R
Aroclor-1262	ND	81	R
Aroclor-1268	ND	81	R



Client ID: V4-2\_0-0.5  
Site: National Grid

Lab Sample ID: 854480  
Lab Job No: K084

Date Sampled: 08/15/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCPL2  
GC Rear Column: StxCPL1  
Instrument ID: PESTGC9.i  
Front File ID: vf423279.d  
Rear File ID: vr423279.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 38

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	Analytical Results Units: ug/kg (Dry Weight)	Quantitation	
		Limit Units: ug/kg	Column
Aroclor-1016	ND	110	R
Aroclor-1221	ND	110	R
Aroclor-1232	ND	110	R
Aroclor-1242	ND	110	R
Aroclor-1248	ND	110	R
Aroclor-1254	ND	110	R
Aroclor-1260	ND	110	R
Aroclor-1262	ND	110	R
Aroclor-1268	ND	110	R

Client ID: DUP-1  
Site: National Grid

Lab Sample ID: 854482  
Lab Job No: K084

Date Sampled: 08/15/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423281.d  
Rear File ID: vr423281.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 36

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	Analytical Results	Quantitation	
	Units: ug/kg (Dry Weight)	Limit	Column
Aroclor-1016	ND	100	R
Aroclor-1221	ND	100	R
Aroclor-1232	ND	100	R
Aroclor-1242	ND	100	R
Aroclor-1248	ND	100	R
Aroclor-1254	ND	100	R
Aroclor-1260	ND	100	R
Aroclor-1262	ND	100	R
Aroclor-1268	ND	100	R

Client ID: V4-1 1-1.5  
Site: National Grid

Lab Sample ID: 854485  
Lab Job No: K084

Date Sampled: 08/15/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423269.d  
Rear File ID: vr423269.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 28

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	<u>Units: ug/kg</u>	<u>(Dry Weight)</u>	<u>Limit</u>	<u>Column</u>
Aroclor-1016	ND		93	R
Aroclor-1221	ND		93	R
Aroclor-1232	ND		93	R
Aroclor-1242	ND		93	R
Aroclor-1248	ND		93	R
Aroclor-1254	ND		93	R
Aroclor-1260	ND		93	R
Aroclor-1262	ND		93	R
Aroclor-1268	ND		93	R

Client ID: V2-2 0-0.5  
Site: National Grid

Lab Sample ID: 854486  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423284.d  
Rear File ID: vr423284.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 30

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u>	<u>Column</u>
Aroclor-1016		ND	95	R
Aroclor-1221		ND	95	R
Aroclor-1232		ND	95	R
Aroclor-1242		ND	95	R
Aroclor-1248		ND	95	R
Aroclor-1254		ND	95	R
Aroclor-1260		ND	95	R
Aroclor-1262	140	ND	95	R
Aroclor-1268		ND	95	R

Client ID: V1-2 0-0.5  
Site: National Grid

Lab Sample ID: 854488  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423286.d  
Rear File ID: vr423286.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 68

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u>	
		Limit	Column
	Units: ug/kg	Units: ug/kg	Column
Aroclor-1016	ND	210	R
Aroclor-1221	ND	210	R
Aroclor-1232	ND	210	R
Aroclor-1242	ND	210	R
Aroclor-1248	ND	210	R
Aroclor-1254	ND	210	R
Aroclor-1260	ND	210	R
Aroclor-1262	ND	210	R
Aroclor-1268	ND	210	R

Client ID: SED-WC-1  
Site: National Grid

Lab Sample No: 854473  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07

Matrix: LEACHATE  
Level: LOW

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Instrument Detection Limit</u>	<u>Qual</u>	<u>M</u>
Arsenic	ND	5.0	0.016		P
Barium	0.61	100.0	0.0085	B	P
Cadmium	ND	1.0	0.0020		P
Chromium	ND	5.0	0.0080		P
Lead	0.02	5.0	0.013	B	P
Mercury	ND	0.2	0.00010		CV
Selenium	ND	1.0	0.021		P
Silver	ND	5.0	0.0070		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)  
M Column - Method Code (See Section 2 of Report)

Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 3262

Corrosivity (pH)

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Analyzed</u>	<u>Analytical</u> <u>Result</u> <u>Units: std</u> <u>units</u>
854473	SED-WC-1	08/16/07	08/22/07	7.89

Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 2068

Ignitability

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Analyzed</u>	<u>Analytical</u> <u>Result</u>
854473	SED-WC-1	08/16/07	08/24/07	Non-Ignit



Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 1965

Reactive Cyanide

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>Dilution</u> <u>Factor</u>	<u>Analytical</u> <u>Result</u> <u>Units: mg/kg</u>
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854473	SED-WC-1	08/16/07	08/22/07	08/22/07	2.0	ND
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Quantitation Limit for Reactive Cyanide is 25.0 mg/kg for an undiluted sample.

Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 1970

Reactive Sulfide

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>Dilution</u> <u>Factor</u>	<u>Analytical</u> <u>Result</u> <u>Units: mg/kg</u>
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854473	SED-WC-1	08/16/07	08/22/07	08/22/07	2.0	ND
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Quantitation Limit for Reactive Sulfide is 20.0 mg/kg for an undiluted sample.

Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 3422

Total Organic Carbon

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Analyzed</u>	<u>Percent</u> <u>Moisture</u>	<u>Dilution</u> <u>Factor</u>	<u>Analytical</u> <u>Result</u> <u>Units: mg/kg</u>
854474	V-US_0-0.5	08/15/07	08/20/07	31.9	1.0	21200
854479	V3-2_0-0.5	08/16/07	08/20/07	17.2	1.0	15900
854480	V4-2_0-0.5	08/15/07	08/20/07	37.9	1.0	23900
854482	DUP-1	08/15/07	08/20/07	35.9	1.0	24700
854485	V4-1_1-1.5	08/15/07	08/20/07	27.8	1.0	15700
854486	V2-2_0-0.5	08/16/07	08/20/07	29.6	1.0	25800
854488	V1-2_0-0.5	08/16/07	08/20/07	67.6	1.0	73100

Quantitation Limit for Total Organic Carbon is 100 mg/kg.

## **General Information**

Chain of Custody

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

**CHAIN OF CUSTODY / ANALYSIS REQUEST**

Name (for report and invoice) <b>John Brusse</b>		Sampler's Name (Printed) <b>518-492-Allen Jay Evans</b> 7826 x31		Site/Project Identification Nat. Grid <b>Breakfield School Street</b>											
Company <b>Accordis BBL</b>		P.O. # <b>BOO36643.00018</b>		State (Location of Site): NJ: <input type="checkbox"/> NY: <input checked="" type="checkbox"/> Other:											
Address <b>6723 Towpath Road</b>		Regulatory Program: <b>NYS DEC ASP EPA SW-846</b>		Project No. <b>K084</b>											
City <b>Syracuse</b>		Analysis Turnaround Time Standard <input type="checkbox"/> Rush Charges Authorized For: <input type="checkbox"/> 1 Week <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> 5-day		Job No. <b>854473</b>											
State <b>NY</b>		Zip <b>13214</b>		Sample Numbers <b>479</b> <b>475</b> <b>476</b> <b>477</b> <b>854080</b> <b>478</b> <b>497</b> <b>479</b> <b>498</b> <b>480</b> <b>479</b> <b>481</b> <b>480</b> <b>482</b> <b>481</b>											
Phone <b>315-671-9941</b>		Fax <b>315-449-4111</b>		LAB USE ONLY ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)											
Sample Identification		Date	Time	Matrix	No. of Cont.	TOC MS/MSD	PCBs B082	PCBs MS/MSD	TCLP VOCs	TCLP SVOCs	TCLP Metals	Ignitability	Corrosivity	Reactivity	RB Ext
SED-WC-1		8/16/07	17:20	Soil	2		X		X	X	X	X	X	X	
V-US (0-0.5)		8/15/07	15:45	Soil	2	X									
V-US (1-1.5)		8/15/07	15:45	Soil	1										
V-US (2-3)		8/15/07	15:45	Soil	1										
V-US (2-3)	3-4	8/15/07	15:45	Soil	1										
V3-3 (0-0.5)		8/15/07	17:45	Soil	1										
V3-3 (1-1.5)		8/15/07	17:45	Soil	1										
V3-2 (0-0.5)		8/16/07	10:20	Soil	1	X									
V4-2 (0-0.5)		8/15/07	16:40	Soil	2	X									
V4-2 (1-1.5)		8/15/07	16:40	Soil	1										
Preservation Used: 1 = ICE, 2 = HCl, 3 = H <sub>2</sub> SO <sub>4</sub> , 4 = HNO <sub>3</sub> , 5 = NaOH 6 = Other, 7 = Other		Cooler Temp: <b>6.5</b>		Soil: <b>L</b> Water: <b>L</b>		Water Metals Filtered (Yes/No): <b>L</b>		Company: <b>West America</b>		Received by: <b>West America</b>		Date/Time: <b>8/16/07 19:10</b>		Received by: <b>West America</b>	
Special Instructions Lab Contact <b>Lynn Kuhl</b>		Company: <b>West America</b>		Date/Time: <b>8/16/07 19:10</b>		Received by: <b>West America</b>		Company: <b>West America</b>		Received by: <b>West America</b>		Date/Time: <b>8/17/07 10:10</b>		Received by: <b>West America</b>	
Relinquished by <b>John Brusse</b>		Company: <b>West America</b>		Date/Time: <b>8/16/07 19:10</b>		Received by: <b>West America</b>		Company: <b>West America</b>		Received by: <b>West America</b>		Date/Time: <b>8/17/07 10:10</b>		Received by: <b>West America</b>	
Relinquished by <b>Fedex</b>		Company: <b>West America</b>		Date/Time: <b>8/17/07 10:10</b>		Received by: <b>West America</b>		Company: <b>West America</b>		Received by: <b>West America</b>		Date/Time: <b>8/17/07 10:10</b>		Received by: <b>West America</b>	
Relinquished by <b>Fedex</b>		Company: <b>West America</b>		Date/Time: <b>8/17/07 10:10</b>		Received by: <b>West America</b>		Company: <b>West America</b>		Received by: <b>West America</b>		Date/Time: <b>8/17/07 10:10</b>		Received by: <b>West America</b>	
Relinquished by <b>Fedex</b>		Company: <b>West America</b>		Date/Time: <b>8/17/07 10:10</b>		Received by: <b>West America</b>		Company: <b>West America</b>		Received by: <b>West America</b>		Date/Time: <b>8/17/07 10:10</b>		Received by: <b>West America</b>	

# CHAIN OF CUSTODY / ANALYSIS REQUEST

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice): John Brussel  
Company: ARCADIS BBL  
Address: 6723 Towpath Road State: NY Zip: 13214  
City: Syracuse NY Fax: \_\_\_\_\_  
Phone: 315-671-9441 315-999-4111

Sampler's Name (Printed): Allen Jay Evans Site/Project Identification: Nat. Grid. Brookfield School Street  
P.O. #: 800 36643800018 State (Location of Site): NJ:  NY:  Other: \_\_\_\_\_  
Regulatory Program: NYSDEC ASP USEPA 50-846

Analysis Turnaround Time: \_\_\_\_\_  
Standard:  Rush Charges Authorized For: \_\_\_\_\_  
1 Week  3 Day  Other

Sample Identification	Date	Time	Matrix	No. of Cont.	ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)							Project No.
					TOC MS	TOC MS	PCB MS	PCB MS	PCB MS	PCB MS	PCB MS	
DUP-1			Soil	2	X							852/483
V4-3	8/15/07	1654	Soil	1								484
V4-3	8/15/07	1654	Soil	1								485
V4-1	8/15/07	1625	Soil	4	X	X	X	X				486
V2-2	8/16/07	1040	Soil	2	X							487
V2-3	8/16/07	1056	Soil	1								488
V1-2	8/16/07	11:20	Soil	2	X							489
V1-2	8/16/07	11:20	Soil	1								490
V1-3	8/16/07	11:40	Soil	1								491
V0-1	8/16/07	1340	Soil	1								492

Preservation Used: 1 = ICE, 2 = HCl, 3 = H<sub>2</sub>SO<sub>4</sub>, 4 = HNO<sub>3</sub>, 5 = NaOH  
6 = Other \_\_\_\_\_, 7 = Other \_\_\_\_\_

Special Instructions: \_\_\_\_\_ Cooler Temp: 6.5 Water Metals Filtered (Yes/No)? \_\_\_\_\_

Relinquished by	Company	Date/Time	Received by	Company
1. <u>Allen Jay Evans</u>	A-BBL	8/16/07 1910	<u>Fedex</u>	Company
Relinquished by	Company	Date/Time	Received by	Company
2. <u>Fedex</u>		8/17/07 1010	<u>G. Dale</u>	Test America
Relinquished by	Company	Date/Time	Received by	Company
3.	Company	Date/Time	Received by	Company
Relinquished by	Company	Date/Time	Received by	Company
4.	Company	Date/Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

# CHAIN OF CUSTODY / ANALYSIS REQUEST

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

Name (for report and invoice): John Brussel  
Company: ARCADIS BBL  
Address: 6723 Towpath Road State: NY Zip: 13214  
City: Syracuse Fax: 315-499-4111  
Phone: 315-671-9441

Sampler's Name (Printed): Allen Jay Evans P.O. #: B0036643,00018  
Site/Project Identification: Nat. Grid Brookfield School Street  
State (Location of Site): NJ:  NY:  Other:   
Regulatory Program: NY DEC ASP US EPA 310-846

Sample Identification	Date	Time	Matrix	No. of Cont.	ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)			Project No.
					TOC	PCBs	PCBs + Hx + Hld	
V4A-1 (0-0.5)	8/15/07	1420	Soil	1			X	854 492
V4A-1 (1-1.5)	8/15/07	1420	Soil	1			X	494
V4A-1 (2-3)	8/15/07	1420	Soil	1			X	494
V4A-1 (3-1.5)	8/15/07	1420	Soil	1			X	495
V4A-2 (0-0.5)	8/15/07	1446	Soil	1			X	496
V4A-2 (1-1.5)	8/15/07	1446	Soil	1			X	497
V4A-2 (2-3)	8/15/07	1446	Soil	1			X	498
V4A-2 (3-3.9)	8/15/07	1446	Soil	1			X	499
V4A-3 (0-0.5)	8/15/07	1506	Soil	1			X	500
V4A-3 (1-1.5)	8/15/07	1506	Soil	1			X	501

492  
493

Preservation Used: 1 = ICE, 2 = HCl, 3 = H<sub>2</sub>SO<sub>4</sub>, 4 = HNO<sub>3</sub>, 5 = NaOH  
6 = Other \_\_\_\_\_, 7 = Other \_\_\_\_\_

Special Instructions	Company	Date/Time	Received by	Water Metals Filtered (Yes/No)?
1. Relinquished by <u>Allen Jay Evans</u>	<u>A-BBL</u> Company	<u>8/16/07 1910</u>	<u>Fedex</u>	Company
2. Relinquished by <u>Fedex</u>	Company	<u>8-17-07 10</u>	Received by <u>A. Jones</u>	Company <u>Test America</u>
3. Relinquished by	Company	Date/Time	Received by	Company
4. Relinquished by	Company	Date/Time	Received by	Company

## Laboratory Chronicles



**INTERNAL CUSTODY RECORD  
AND  
LABORATORY CHRONICLE  
TestAmerica Edison**

**777 New Durham Road, Edison, New Jersey  
08817**

**Job No:** K084

**Site:** National Grid

**Client:** ARCADIS U.S., Inc.

**VOAMS**

**LEACHATE - 8260B**

<b>Lab Sample ID</b>	<b>Date Sampled</b>	<b>Date Received</b>	<b>Preparation Date</b>	<b>Technician's Name</b>	<b>Analysis Date</b>	<b>Analyst's Name</b>	<b>QA Batch</b>
854473	8/16/2007	8/17/2007			8/22/2007	Riaz, Mahjabeen	6799

**INTERNAL CUSTODY RECORD  
AND  
LABORATORY CHRONICLE  
TestAmerica Edison**

**777 New Durham Road, Edison, New Jersey  
08817**

**Job No:** K084

**Site:** National Grid

**Client:** ARCADIS U.S., Inc.

**BNAMS**

**LEACHATE - 8270C**

<b>Lab Sample ID</b>	<b>Date Sampled</b>	<b>Date Received</b>	<b>Preparation Date</b>	<b>Technician's Name</b>	<b>Analysis Date</b>	<b>Analyst's Name</b>	<b>QA Batch</b>
854473	8/16/2007	8/17/2007	8/24/2007	Hernandez, Karl	8/25/2007	Zhao, Chunxin	5191

**INTERNAL CUSTODY RECORD  
AND  
LABORATORY CHRONICLE  
TestAmerica Edison**

**777 New Durham Road, Edison, New Jersey  
08817**

**Job No:** K084

**Site:** National Grid

**Client:** ARCADIS U.S., Inc.

**PESTGC**

**8082**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
<b>SOLID</b>							
854473	8/16/2007	8/17/2007	8/18/2007	Huertas, Jamie	8/20/2007	Diaz, Carol	5815
854474	8/15/2007	8/17/2007	8/18/2007	Huertas, Jamie	8/20/2007	Diaz, Carol	5815
854475	8/15/2007	8/17/2007					
854476	8/15/2007	8/17/2007					
854477	8/15/2007	8/17/2007					
854478	8/15/2007	8/17/2007					
854479	8/16/2007	8/17/2007	8/18/2007	Huertas, Jamie	8/20/2007	Diaz, Carol	5815
854480	8/15/2007	8/17/2007	8/18/2007	Huertas, Jamie	8/20/2007	Diaz, Carol	5815
854481	8/15/2007	8/17/2007					
854482	8/15/2007	8/17/2007	8/18/2007	Huertas, Jamie	8/20/2007	Diaz, Carol	5815
854483	8/15/2007	8/17/2007					
854484	8/15/2007	8/17/2007					
854485	8/15/2007	8/17/2007	8/18/2007	Huertas, Jamie	8/20/2007	Diaz, Carol	5815
854486	8/16/2007	8/17/2007	8/18/2007	Huertas, Jamie	8/20/2007	Diaz, Carol	5815
854487	8/16/2007	8/17/2007					
854488	8/16/2007	8/17/2007	8/18/2007	Huertas, Jamie	8/20/2007	Diaz, Carol	5815
854489	8/16/2007	8/17/2007					
854490	8/16/2007	8/17/2007					
854491	8/16/2007	8/17/2007					
854492	8/15/2007	8/17/2007					
854493	8/15/2007	8/17/2007					
854494	8/15/2007	8/17/2007					
854495	8/15/2007	8/17/2007					
854496	8/15/2007	8/17/2007					
854497	8/15/2007	8/17/2007					
854498	8/15/2007	8/17/2007					

**INTERNAL CUSTODY RECORD  
AND  
LABORATORY CHRONICLE  
TestAmerica Edison**

777 New Durham Road, Edison, New Jersey  
08817

**Job No:** K084

**Site:** National Grid

**Client:** ARCADIS U.S., Inc.

**Date Sampled:** 8/16/2007

**Sample No.:** 854473

**Date Received:** 8/17/2007

**Matrix:** LEACHATE

**METALS**

<u>Analytic Parameter</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
<u>TCLP MERCURY</u>	<u>8/24/2007</u>	<u>Racin, Brian</u>	<u>8/24/2007</u>	<u>Racin, Brian</u>	<u>23123</u>
<u>TCLP ARSENIC</u>	<u>8/24/2007</u>	<u>Yang, Qin</u>	<u>8/24/2007</u>	<u>Chang, Churnder</u>	<u>23123</u>
<u>TCLP BARIUM</u>	<u>8/24/2007</u>	<u>Yang, Qin</u>	<u>8/24/2007</u>	<u>Chang, Churnder</u>	<u>23123</u>
<u>TCLP CADMIUM</u>	<u>8/24/2007</u>	<u>Yang, Qin</u>	<u>8/24/2007</u>	<u>Chang, Churnder</u>	<u>23123</u>
<u>TCLP CHROMIUM</u>	<u>8/24/2007</u>	<u>Yang, Qin</u>	<u>8/24/2007</u>	<u>Chang, Churnder</u>	<u>23123</u>
<u>TCLP LEAD</u>	<u>8/24/2007</u>	<u>Yang, Qin</u>	<u>8/24/2007</u>	<u>Chang, Churnder</u>	<u>23123</u>
<u>TCLP SELENIUM</u>	<u>8/24/2007</u>	<u>Yang, Qin</u>	<u>8/24/2007</u>	<u>Chang, Churnder</u>	<u>23123</u>
<u>TCLP SILVER</u>	<u>8/24/2007</u>	<u>Yang, Qin</u>	<u>8/24/2007</u>	<u>Chang, Churnder</u>	<u>23123</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

**INTERNAL CUSTODY RECORD  
AND  
LABORATORY CHRONICLE  
TestAmerica Edison**

**777 New Durham Road, Edison, New Jersey  
08817**

**Job No:** K084

**Site:** National Grid

**Client:** ARCADIS U.S., Inc.

**WET CHEM**

**1030 IGNITABILITY**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
854473	8/16/2007	8/17/2007			8/24/2007	Bravo, Marie	2068

**SOLID**

**CN REACTIVITY**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
854473	8/16/2007	8/17/2007	8/22/2007	Patel, Hemex	8/22/2007	Patel, Hemex	1965

**SOLID**

**CORROSIVITY**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
854473	8/16/2007	8/17/2007			8/22/2007	Galing, Maria	3262

**SOLID**

**INTERNAL CUSTODY RECORD  
AND  
LABORATORY CHRONICLE  
TestAmerica Edison**

**777 New Durham Road, Edison, New Jersey  
08817**

**Job No:** K084

**Site:** National Grid

**Client:** ARCADIS U.S., Inc.

**WET CHEM**

**S REACTIVITY**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
854473	8/16/2007	8/17/2007	8/22/2007	Patel, Hemex	8/22/2007	Patel, Hemex	1970

**TCLP PREP**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
854473	8/16/2007	8/17/2007			8/21/2007	Silva, Jose	

**TOC**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
854474	8/15/2007	8/17/2007			8/20/2007	Vu, Huan	3422
854479	8/16/2007	8/17/2007			8/20/2007	Vu, Huan	3422
854480	8/15/2007	8/17/2007			8/20/2007	Vu, Huan	3422
854482	8/15/2007	8/17/2007			8/20/2007	Vu, Huan	3422
854485	8/15/2007	8/17/2007			8/20/2007	Vu, Huan	3422
854486	8/16/2007	8/17/2007			8/20/2007	Vu, Huan	3422

**INTERNAL CUSTODY RECORD  
AND  
LABORATORY CHRONICLE  
TestAmerica Edison**

777 New Durham Road, Edison, New Jersey  
08817

**Job No:** K084

**Site:** National Grid

**Client:** ARCADIS U.S., Inc.

**WET CHEM**

**TOC**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
854488	8/16/2007	8/17/2007			8/20/2007	Vu, Huan	3422

**ZHE PREP**

<u>Lab Sample ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Preparation Date</u>	<u>Technician's Name</u>	<u>Analysis Date</u>	<u>Analyst's Name</u>	<u>QA Batch</u>
854473	8/16/2007	8/17/2007			8/21/2007	Silva, Jose	

## Methodology Review



## Analytical Methodology Summary

### Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

### Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

### GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

### Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

### Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

<u>Element</u>	<u>Water Test Method Furnace</u>	<u>Solid Test Method Furnace</u>
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Hexavalent Chromium:

Water samples are analyzed using EPA Method 7196A, EPA Method 7199 or (upon request) USGS -1230-35. Soil samples are subjected to alkaline digestion via EPA Method 3060A prior to analysis by EPA Method 7196A or EPA Method 7199.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

- Ignitability - Method 1020A
- Corrosivity - Water pH Method 9040B  
Soil pH Method 9045C
- Reactivity - Chapter 7, Section 7.3.3 and 7.3.4  
respectively for hydrogen cyanide and  
hydrogen sulfide release
- Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

## Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

- ND - The compound was not detected at the indicated concentration.
- J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than or equal to the method detection limit. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
  - \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

- ND/U - The compound was not detected at the indicated concentration.
  - B - Reported value is less than the Practical Quantitation Limit but greater than or equal to the Instrument Detection Limit.
  - E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.
  - M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.
  - N - The spiked sample recovery is not within control limits.
  - S - The reported value was determined by the Method of Standard Additions (MSA).
    - \* - Duplicate Analysis is not within control limits.
  - W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.
  - + - Correlation coefficient for MSA is less than 0.995.
- M Column - Method Qualifiers
- P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).
  - A - Flame Atomic Absorption Spectroscopy (FAA).
  - F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).
  - CV - Cold Vapor Atomic Absorption Spectroscopy.

## Non-Conformance Summary

STL Edison  
777 New Durham Road  
Edison, NJ 08817

Tel: 732 549 3900 Fax: 732 549 3679  
www.stl-inc.com

## SDG NARRATIVE

### TEST AMERICA EDISON

#### SDG No. K084

<u>TA Edison Sample</u>	<u>Client ID</u>
854473	SED-WC-1
854474	V-US_0-0.5
854479	V3-2_0-0.5
854480	V4-2_0-0.5
854482	DUP-1
854485	V4-1_1-1.5
854486	V2-2_0-.05
854488	V1-2_0-0.5

#### **Sample Receipt:**

Sample delivery conforms to requirements.

#### **Volatile Organic Analysis (GC/MS):**

All data conforms to method requirements.

#### **Base/Neutral and/or Acid Extractable Organics (GC/MS):**

All data conforms to method requirements.

#### **Pesticides/PCBs:**

All data conforms to method requirements.

**Metals:**

All data conforms to method requirements.

**Wet Chemistry:**

Reactive Cyanide spike recovery biased low (low recovery expected with this test procedure.)

I certify that this data package is in compliance with the terms of the contract (OLCO2.1) both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this data package has been authorized by the laboratory manager or his designee.

  
Janae McCloud  
Project Manager



## **GC/MS Forms and Data (Volatiles)**

Results Summary and Chromatograms

Client ID: SED-WC-1  
Site: National Grid

Lab Sample No: 854473  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Prepped: 08/21/07  
Date Analyzed: 08/22/07  
Lab File ID: b49226.d

Leachate Volume: 5.0 ml  
Dilution Factor: 1.0  
GC Column: Rtx-VMS  
Instrument ID: VOAMS2.i

**TOXICITY CHARACTERISTIC LEACHING PROCEDURE**

**VOLATILE ORGANICS - GC/MS**

<u>Parameter</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Quantitation Limit Units: mg/l</u>
Vinyl Chloride	ND	0.2	0.0050
1,1-Dichloroethene	ND	0.7	0.0020
Chloroform	ND	6.0	0.0050
1,2-Dichloroethane	ND	0.5	0.0020
Methyl Ethyl Ketone	ND	200	0.0050
Carbon Tetrachloride	ND	0.5	0.0020
Trichloroethene	ND	0.5	0.0010
Benzene	ND	0.5	0.0010
Tetrachloroethene	ND	0.7	0.0010
Chlorobenzene	ND	100	0.0050

Data File: /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/b49226.d  
 Report Date: 24-Aug-2007 13:30

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/b49226.d  
 Lab Smp Id: 854473 Client Smp ID: SED-WC-1  
 Inj Date : 22-AUG-2007 13:49  
 Operator : VOAMS 3 Inst ID: VOAMS2.i  
 Smp Info : 854473  
 Misc Info : K084;6799;;MR  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/8260H\_06.m  
 Meth Date : 22-Aug-2007 11:03 riaz Quant Type: ISTD  
 Cal Date : 16-JUL-2007 14:05 Cal File: b48900.d  
 Als bottle: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: TCLP.sub  
 Target Version: 3.50

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

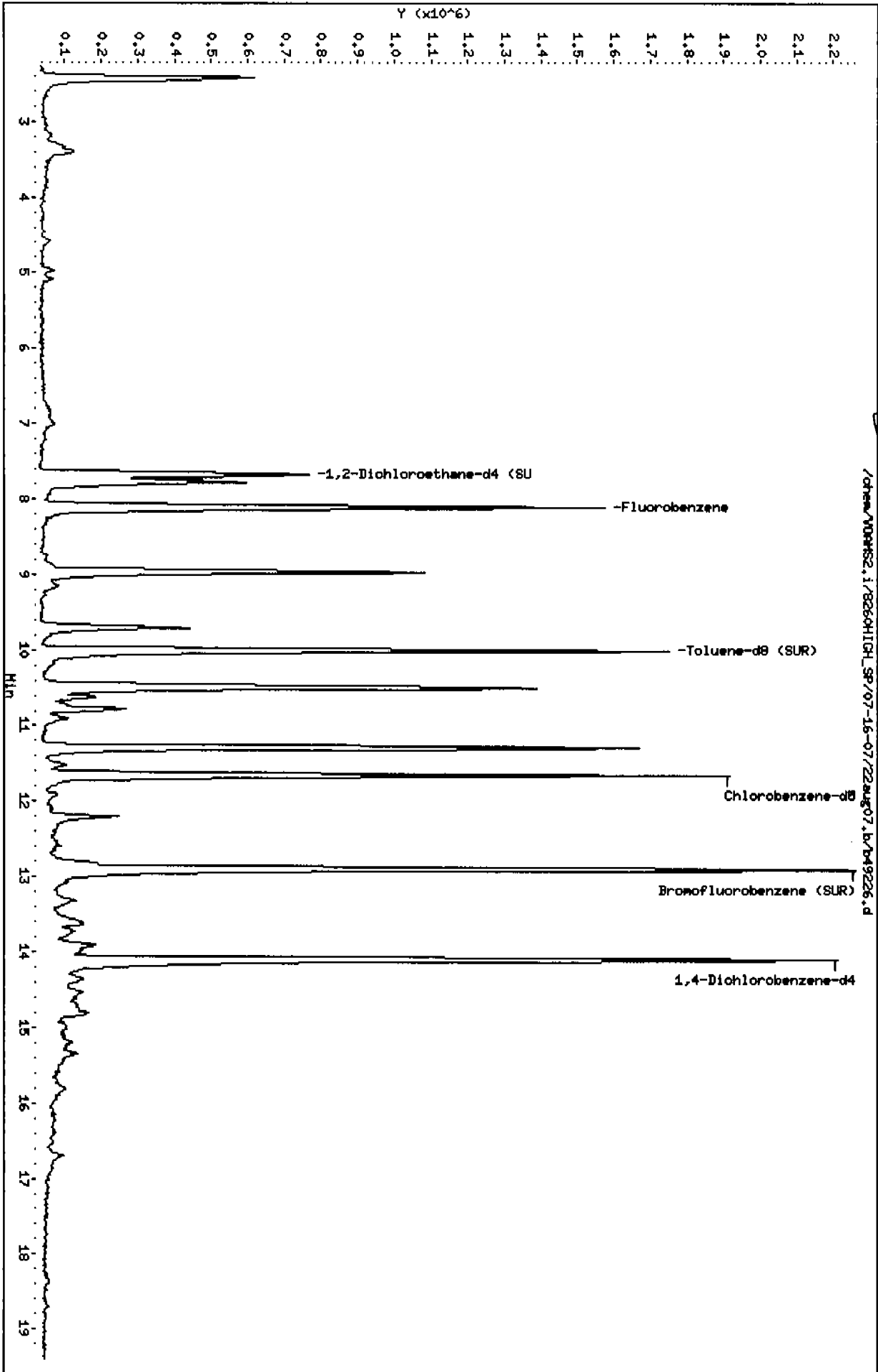
Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.671	7.656	(0.947)	1171546	50.9400	51
* 19 Fluorobenzene	96	8.102	8.087	(1.000)	2804099	50.0000	
\$ 37 Toluene-d8 (SUR)	98	10.004	9.989	(0.860)	2230727	52.2490	52
* 32 Chlorobenzene-d5	117	11.639	11.639	(1.000)	2148156	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	12.902	12.887	(0.916)	1375239	53.3037	53
* 91 1,4-Dichlorobenzene-d4	152	14.091	14.091	(1.000)	1239201	50.0000	

Data File: /chem/V04HS2.1/8260HIGH\_SP/07-16-07/22aug07.b/b49226.d  
Date: 22-AUG-2007 13:49

Client ID: SED-MC-1  
Sample Info: 854473  
Purge Volume: 5.0  
Column phase: Rtx-VHS

Instrument: V04HS2.1  
Operator: V04HS 3  
Column diameter: 0.18



## Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab File ID: B48892

BFB Injection Date: 07/16/07

Instrument ID: VOAMS2

BFB Injection Time: 1004

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.9
75	30.0 - 60.0% of mass 95	40.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	5.3 ( 7.2)1
176	95.0 - 101.0% of mass 174	72.0 ( 97.1)1
177	5.0 - 9.0% of mass 176	4.7 ( 6.5)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BSTD005	BSTD005	B48893	07/16/07	1037
02	BSTD200	BSTD200	B48894	07/16/07	1107
03	BSTD100	BSTD100	B48895	07/16/07	1137
04	BSTD010	BSTD010	B48898	07/16/07	1306
05	BSTD050	BSTD050	B48899	07/16/07	1336
06	BSTD020	BSTD020	B48900	07/16/07	1405
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Date: 16-JUL-2007 10:04

Client ID:

Instrument: VOAMS2.i

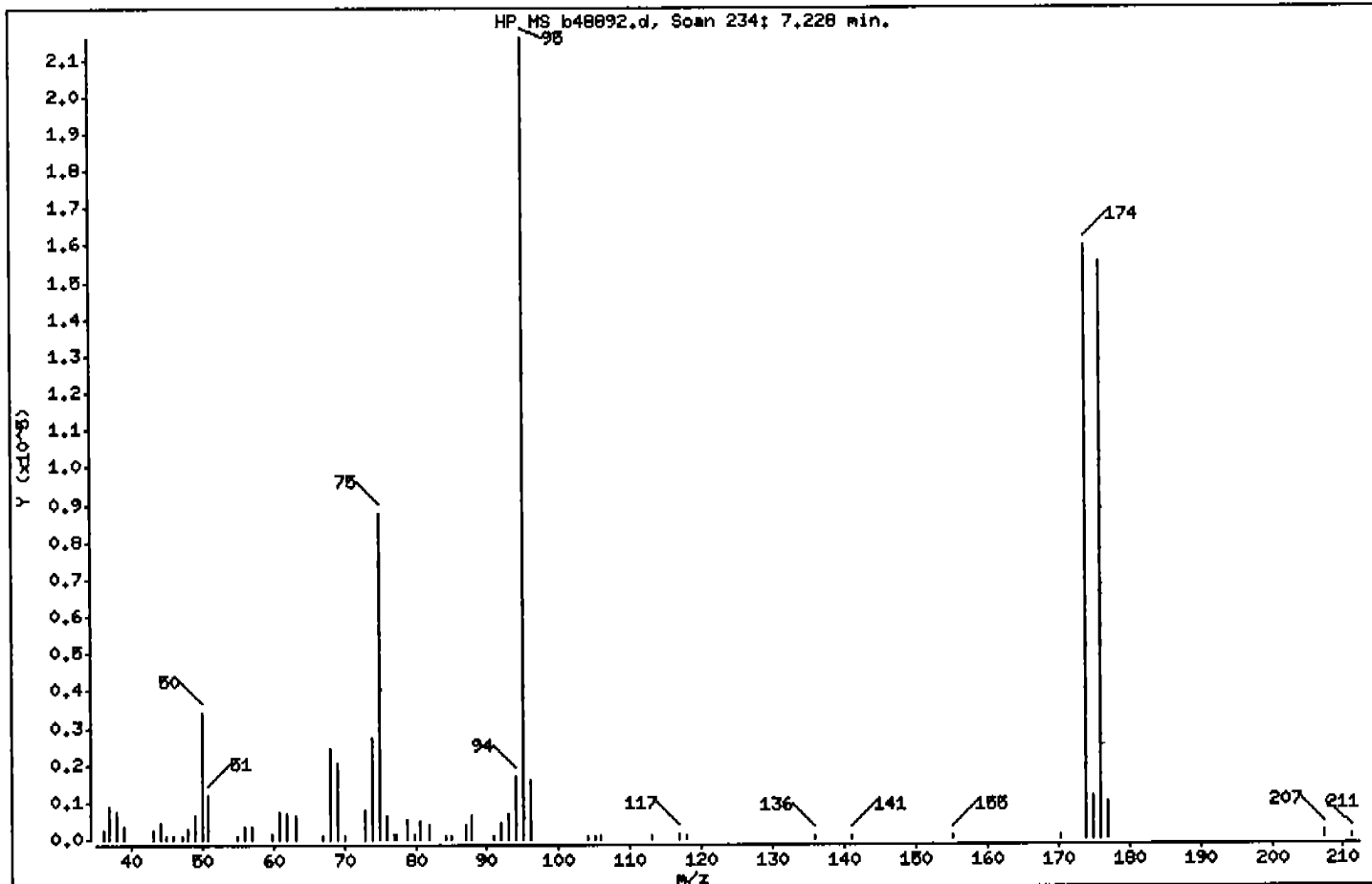
Sample Info: BBFB197 NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.87
75	30.00 - 60.00% of mass 95	40.61
96	5.00 - 9.00% of mass 95	7.28
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	50.00 - 100.00% of mass 95	74.13
175	5.00 - 9.00% of mass 174	5.34 ( 7.21)
176	95.00 - 101.00% of mass 174	71.97 ( 97.08)
177	5.00 - 9.00% of mass 176	4.71 ( 6.54)

Date : 16-JUL-2007 10:04

Client ID:

Instrument: VOAMS2.i

Sample Info: BBFB197 NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: b48892.d  
 Spectrum: HP MS b48892.d, Scan 234: 7.228 min.  
 Location of Maximum: 95.10  
 Number of points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.15	2626	59.90	1481	80.75	5143	116.80	1521
37.05	8959	60.90	7262	81.95	3976	118.00	923
37.95	7480	62.00	6697	84.15	1068	135.85	1208
39.05	3348	63.10	6238	84.95	906	140.95	1017
43.10	2535	66.90	952	87.05	3848	155.20	832
44.10	4474	68.00	24464	87.95	6360	170.20	1146
44.80	871	68.95	20528	90.95	921	173.95	159936
46.00	904	70.05	807	92.05	4511	174.95	11527
47.20	832	73.05	8177	92.95	6878	175.95	155264
48.10	2851	74.05	27512	93.95	16992	176.95	10159
49.10	6346	75.05	87616	95.10	215744	207.20	1984
50.00	34248	76.05	6624	96.10	15702	211.20	883
50.90	12063	77.05	1280	104.00	1139		
55.00	1139	77.25	1276	105.10	927		
55.90	3309	78.85	5506	105.70	900		
57.10	3668	79.95	1659	112.90	811		



Date : 16-JUL-2007 10:04

Client ID:

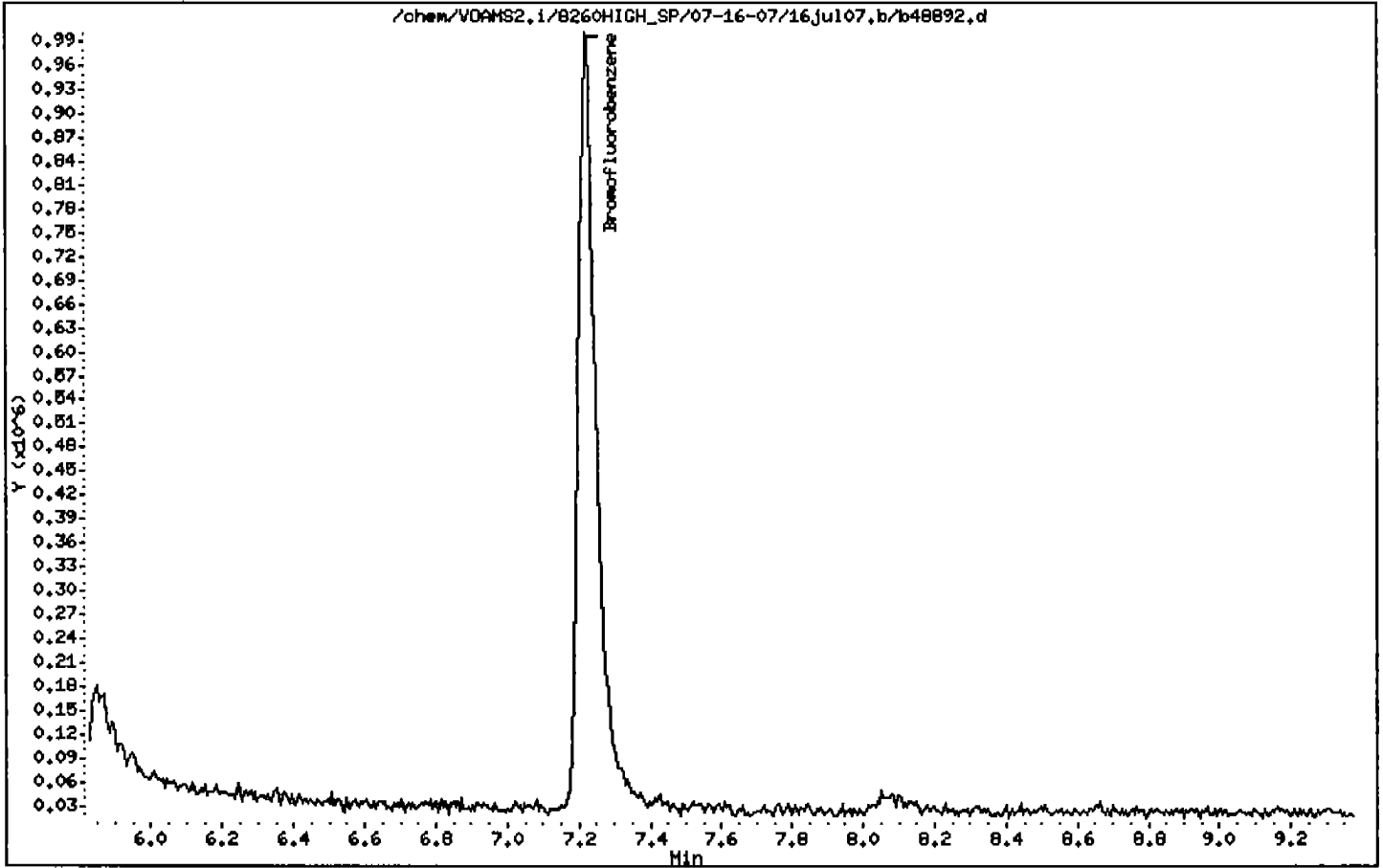
Instrument: VOAMS2.1

Sample Info: BBFB197 NG

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab File ID: B49220

BFB Injection Date: 08/22/07

Instrument ID: VOAMS2

BFB Injection Time: 0947

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	5.6 ( 7.4)1
176	95.0 - 101.0% of mass 174	71.7 ( 95.5)1
177	5.0 - 9.0% of mass 176	4.5 ( 6.3)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BSTD234	BSTD234	B49221	08/22/07	1018
02	BV234T	BV234T	B49223	08/22/07	1135
03	SED-WC-1	854473	B49226	08/22/07	1349
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab File ID: B49220

BFB Injection Date: 08/22/07

Instrument ID: VOAMS2

BFB Injection Time: 0947

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	5.6 ( 7.4)1
176	95.0 - 101.0% of mass 174	71.7 ( 95.5)1
177	5.0 - 9.0% of mass 176	4.5 ( 6.3)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BSTD234	BSTD234	B49221	08/22/07	1018
02	6799BS	6799BS	B49222	08/22/07	1044
03	BV234T	BV234T	B49223	08/22/07	1135
04					
05					
06					
07					
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12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Date : 22-AUG-2007 09:47

Client ID:

Instrument: VOAMS2.1

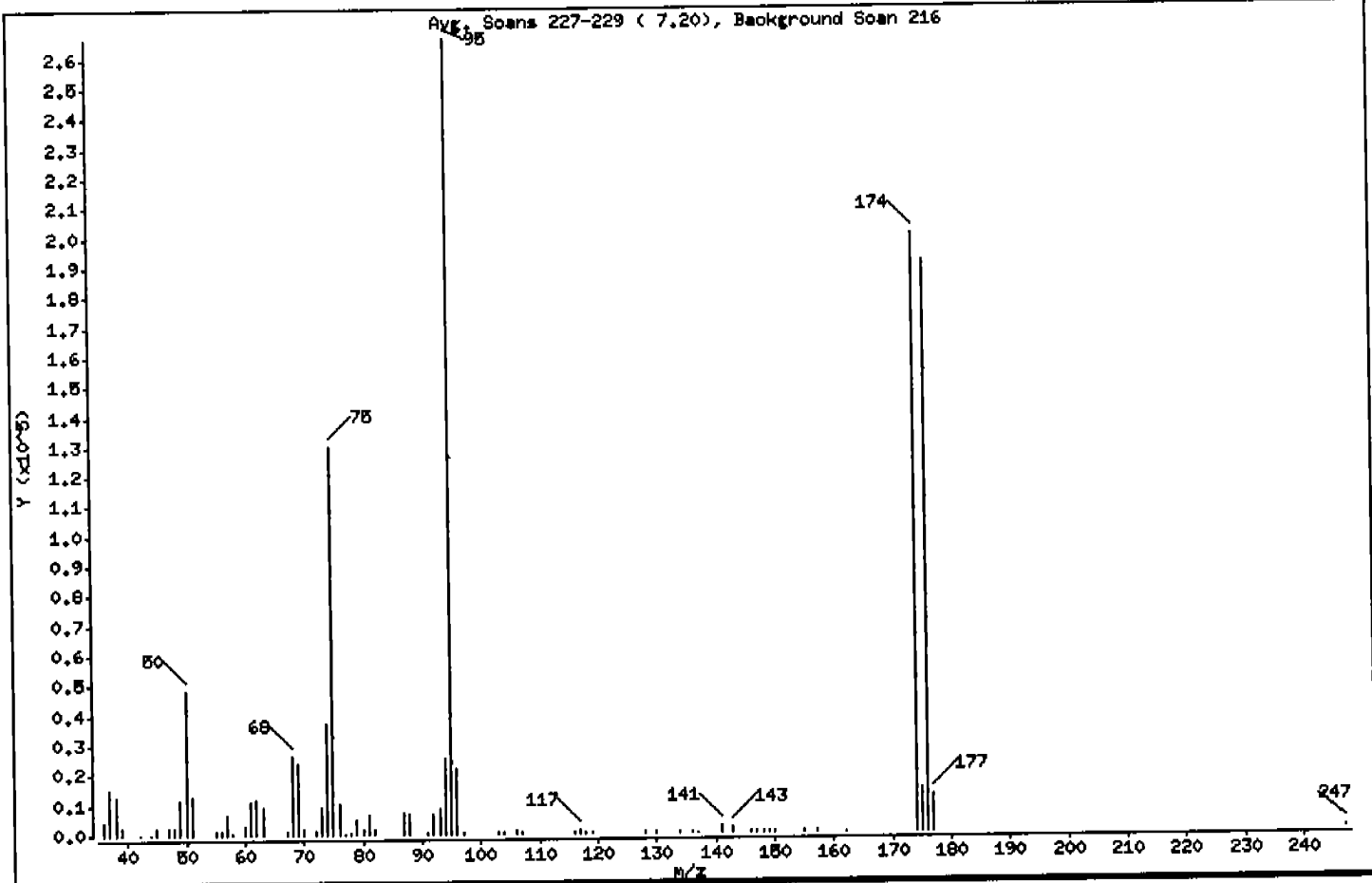
Sample Info: BBFB234

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.83

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.18
78	30.00 - 60.00% of mass 95	48.66
96	5.00 - 9.00% of mass 95	8.34
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	50.00 - 100.00% of mass 95	78.18
175	5.00 - 9.00% of mass 174	5.88 ( 7.39)
176	95.00 - 101.00% of mass 174	71.73 ( 95.45)
177	5.00 - 9.00% of mass 176	4.55 ( 6.34)

Date : 22-AUG-2007 09:47

Client ID:

Instrument: VOAMS2.1

Sample Info: BBFB234

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: b49220.d  
 Spectrum: Avg. Scans 227-229 ( 7.20), Background Scan 216  
 Location of Maximum: 95.00  
 Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4079	63.00	9211	92.00	6787	141.00	2195
37.00	18277	67.00	1500	93.00	8618	143.00	2006
38.00	12774	68.00	26232	94.00	25480	146.00	309
39.00	2579	69.00	24080	95.00	266560	147.00	321
42.00	268	70.00	2023	96.00	22216	148.00	335
44.00	301	72.00	1053	97.00	345	149.00	683
45.00	2657	73.00	9066	103.00	390	150.00	383
47.00	2291	74.00	37136	104.00	710	155.00	658
48.00	2316	75.00	129696	106.00	1297	157.00	369
49.00	11524	76.00	10113	107.00	319	162.00	300
50.00	48464	77.00	274	116.00	722	174.00	200320
51.00	12648	78.00	689	117.00	1338	175.00	14797
55.00	1329	79.00	4996	118.00	394	176.00	191168
56.00	1328	80.00	1783	119.00	742	177.00	12124
57.00	6536	81.00	6872	128.00	776	247.00	317
58.00	336	82.00	1620	130.00	315		
60.00	3178	87.00	7574	134.00	460		
61.00	11334	88.00	7019	136.00	744		
62.00	11893	91.00	883	137.00	281		

Date : 22-AUG-2007 09:47

Client ID:

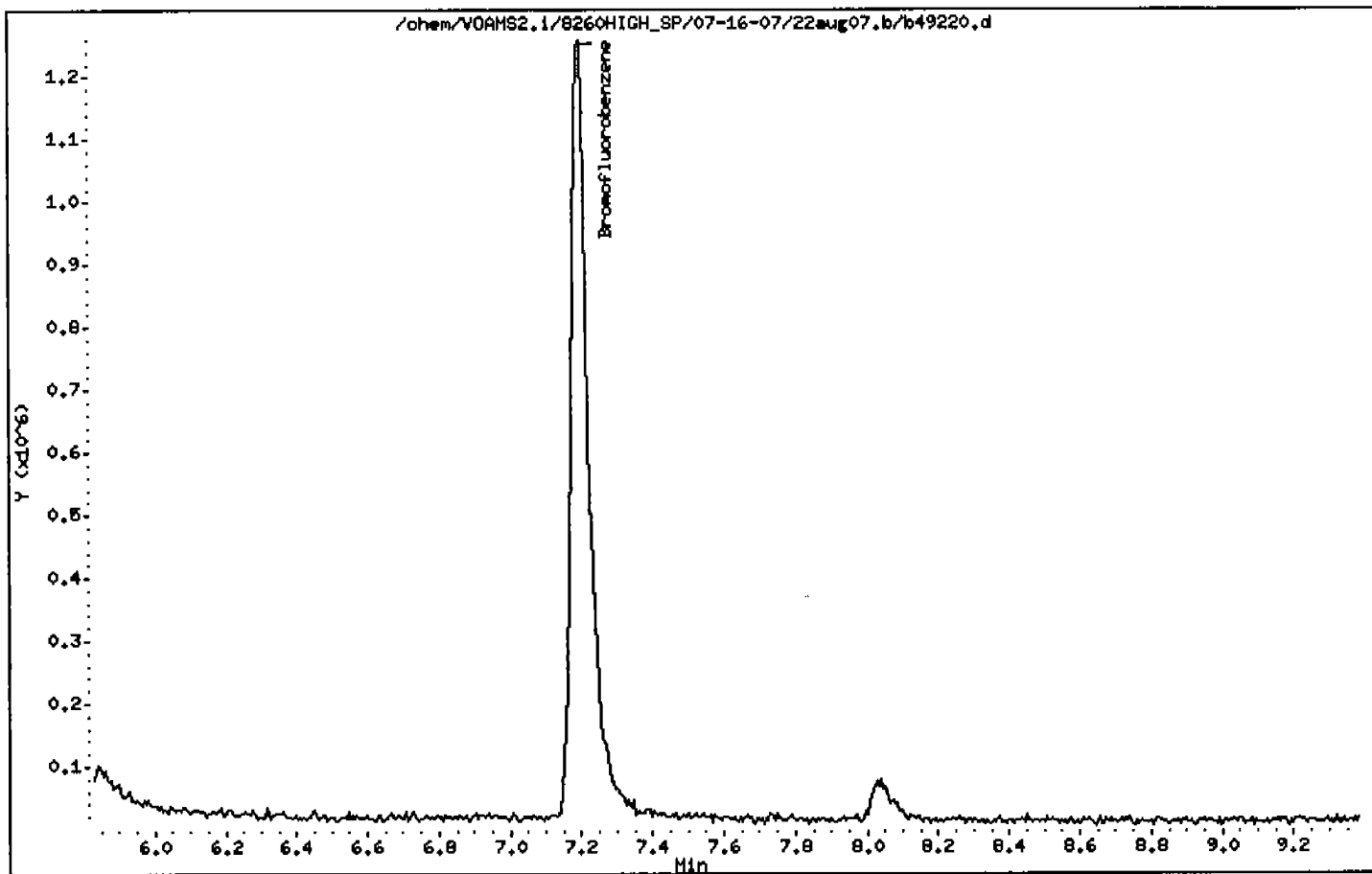
Instrument: VOAMS2.i

Sample Info: BBFB234

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab File ID: B49235

BFB Injection Date: 08/23/07

Instrument ID: VOAMS2

BFB Injection Time: 0941

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
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	7.4
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	50.0 - 100.0% of mass 95	77.7
175	5.0 - 9.0% of mass 174	6.0 ( 7.7)1
176	95.0 - 101.0% of mass 174	77.0 ( 99.0)1
177	5.0 - 9.0% of mass 176	6.0 ( 7.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BSTD235	BSTD235	B49236	08/23/07	1014
02	BV235T	BV235T	B49239	08/23/07	1257
03	PATHHARRISON	854470	B49241	08/23/07	1517
04	PATHHARRISON	854470MS	B49247	08/23/07	1806
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Date : 23-AUG-2007 09:41

Client ID:

Instrument: VOAMS2.1

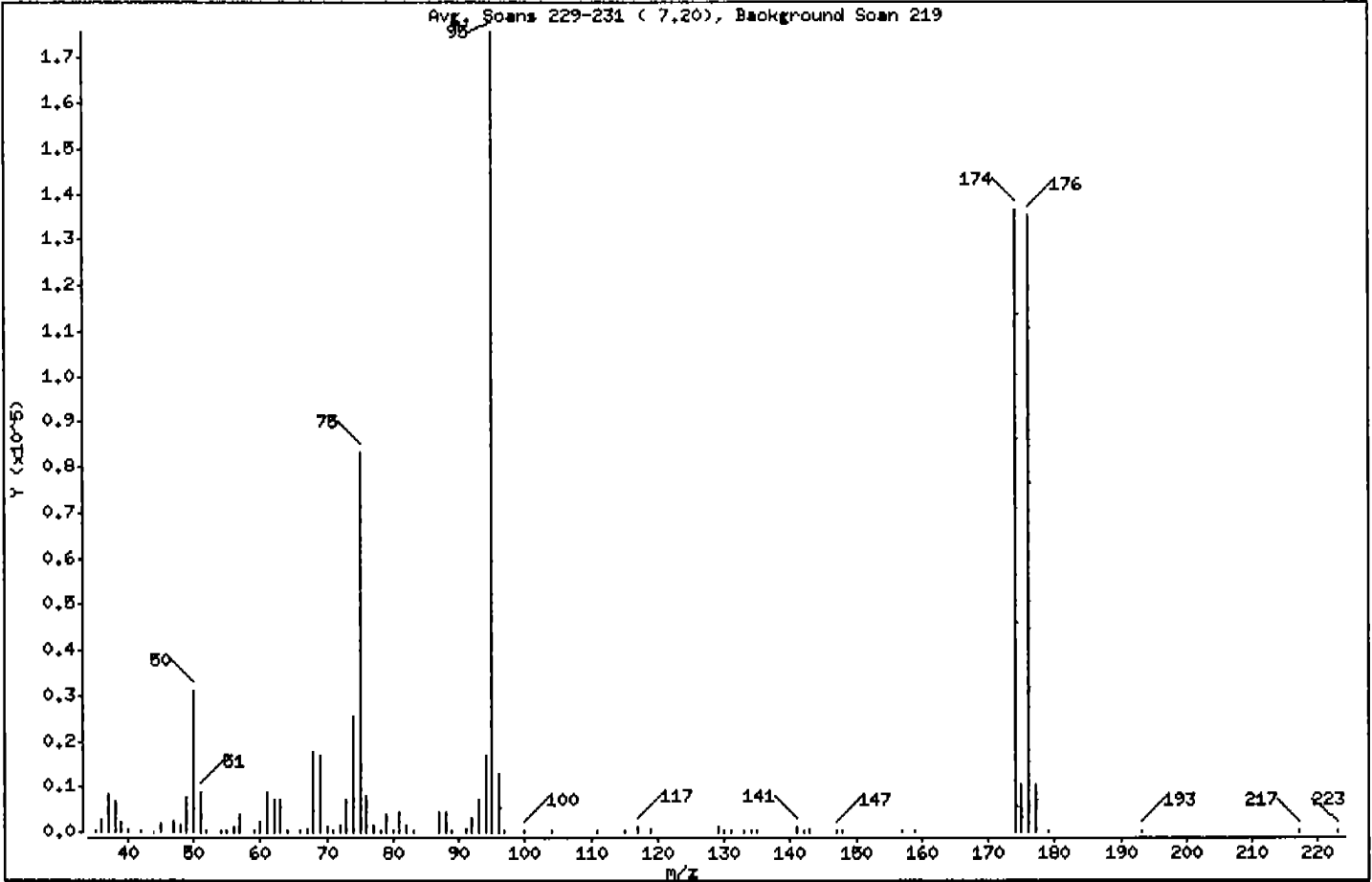
Sample Info: BBFB238

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	18.00 - 40.00% of mass 95	17.68
75	30.00 - 60.00% of mass 95	47.46
96	8.00 - 9.00% of mass 95	7.36
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	50.00 - 100.00% of mass 95	77.73
175	8.00 - 9.00% of mass 174	8.95 ( 7.66)
176	98.00 - 101.00% of mass 174	76.98 ( 99.03)
177	8.00 - 9.00% of mass 176	6.02 ( 7.83)



Date : 23-AUG-2007 09:41

Client ID:

Instrument: VOAMS2.1

Sample Info: BBFB235

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: b49235.d  
 Spectrum: Avg. Scans 229-231 ( 7.20), Background Scan 219  
 Location of Maximum: 95.00  
 Number of points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	492	61.00	8796	83.00	336	134.00	310
36.00	2786	62.00	7289	87.00	4881	135.00	388
37.00	8668	63.00	7311	88.00	4876	141.00	1352
38.00	6872	64.00	296	89.00	317	142.00	292
39.00	2856	66.00	304	91.00	809	143.00	918
40.00	999	67.00	731	92.00	3422	147.00	442
42.00	354	68.00	17824	93.00	7148	148.00	382
44.00	188	69.00	17088	94.00	17040	157.00	291
45.00	1849	70.00	1283	95.00	178808	159.00	427
47.00	2422	71.00	364	96.00	12942	174.00	136640
48.00	1483	72.00	1424	97.00	330	175.00	10466
49.00	7572	73.00	7476	100.00	349	176.00	138296
50.00	31088	74.00	28812	104.00	301	177.00	10892
51.00	9093	75.00	83440	111.00	319	179.00	306
52.00	300	76.00	7982	115.00	287	193.00	489
54.00	545	77.00	1423	117.00	1314	217.00	398
55.00	429	78.00	326	119.00	944	223.00	315
56.00	1103	79.00	3844	129.00	1226		
57.00	4156	80.00	284	130.00	315		
59.00	308	81.00	4305	131.00	498		
60.00	2228	82.00	1489	133.00	412		

Date : 23-AUG-2007 09:41

Client ID:

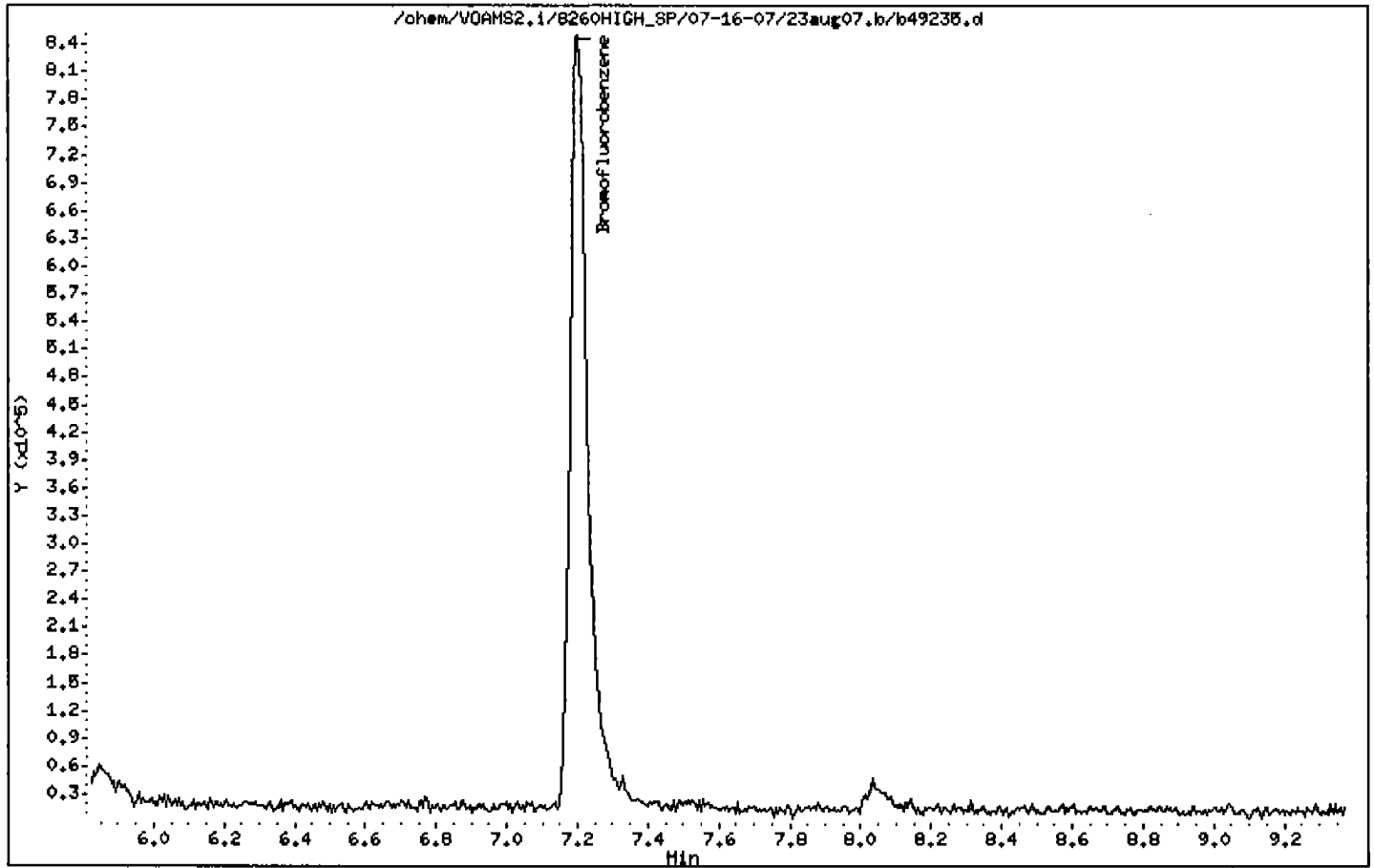
Instrument: VOAMS2.i

Sample Info: BBFB238

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab File ID: B49251

BFB Injection Date: 08/26/07

Instrument ID: VOAMS2

BFB Injection Time: 0425

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	50.0 - 100.0% of mass 95	68.6
175	5.0 - 9.0% of mass 174	5.0 ( 7.2)1
176	95.0 - 101.0% of mass 174	68.2 ( 99.4)1
177	5.0 - 9.0% of mass 176	4.5 ( 6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BSTS238	BSTS238	B49254	08/26/07	0529
02	BV238T	BV238T	B49256	08/26/07	0643
03	PATHHARRISON	854470MSD	B49259	08/26/07	0806
04					
05					
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07					
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16					
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18					
19					
20					
21					
22					

Date : 26-AUG-2007 04:25

Client ID:

Instrument: VOAMS2.1

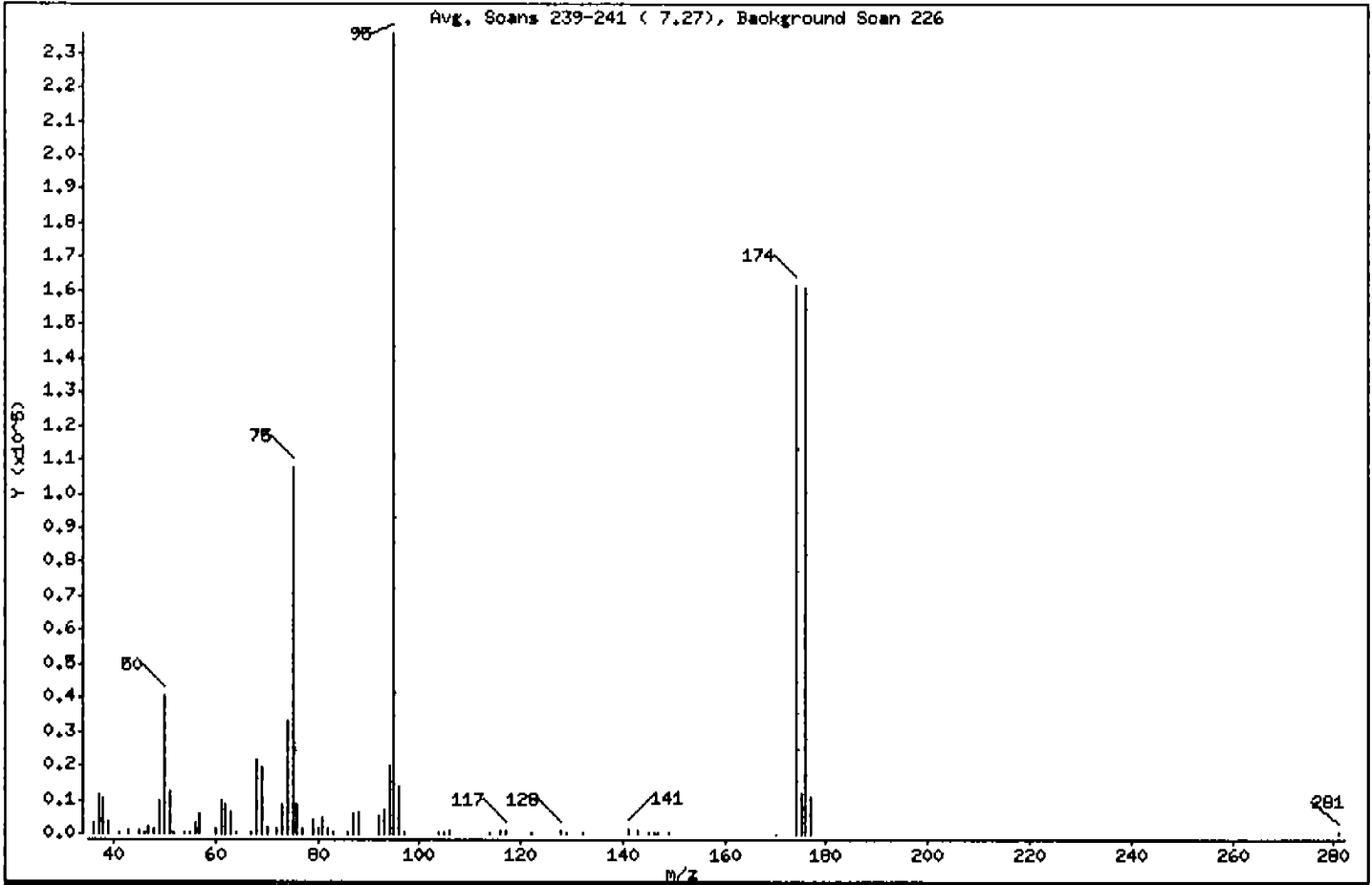
Sample Info: BBFB238

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.15
75	30.00 - 60.00% of mass 95	45.70
96	5.00 - 9.00% of mass 95	5.90
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	50.00 - 100.00% of mass 95	68.89
175	5.00 - 9.00% of mass 174	4.96 ( 7.23)
176	95.00 - 101.00% of mass 174	68.21 ( 99.45)
177	5.00 - 9.00% of mass 176	4.55 ( 6.66)

Date : 26-AUG-2007 04:25

Client ID:

Instrument: VOAMS2.1

Sample Info: BBFB238

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: b49251.d  
 Spectrum: Avg. Scans 239-241 ( 7.27), Background Scan 226  
 Location of Maximum: 95.00  
 Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3371	60.00	1792	82.00	1474	128.00	995
37.00	11303	61.00	9837	83.00	341	129.00	279
38.00	10488	62.00	8778	86.00	296	132.00	314
39.00	3542	63.00	6606	87.00	5916	141.00	1859
41.00	430	64.00	367	88.00	6430	143.00	1130
43.00	1082	67.00	469	92.00	5635	145.00	309
45.00	1337	68.00	21864	93.00	6823	146.00	354
46.00	449	69.00	19528	94.00	19824	147.00	472
47.00	2066	70.00	1968	95.00	235776	149.00	310
48.00	1586	72.00	1708	96.00	13920	170.00	269
49.00	9758	73.00	8681	97.00	485	174.00	161728
50.00	40432	74.00	32888	104.00	277	175.00	11695
51.00	12647	75.00	107752	105.00	303	176.00	160832
52.00	688	76.00	8690	106.00	1248	177.00	10718
54.00	305	77.00	1644	114.00	358	281.00	365
55.00	769	79.00	4201	116.00	1070		
56.00	3364	80.00	1628	117.00	1276		
57.00	6168	81.00	4620	122.00	314		

Date : 26-AUG-2007 04:28

Client ID:

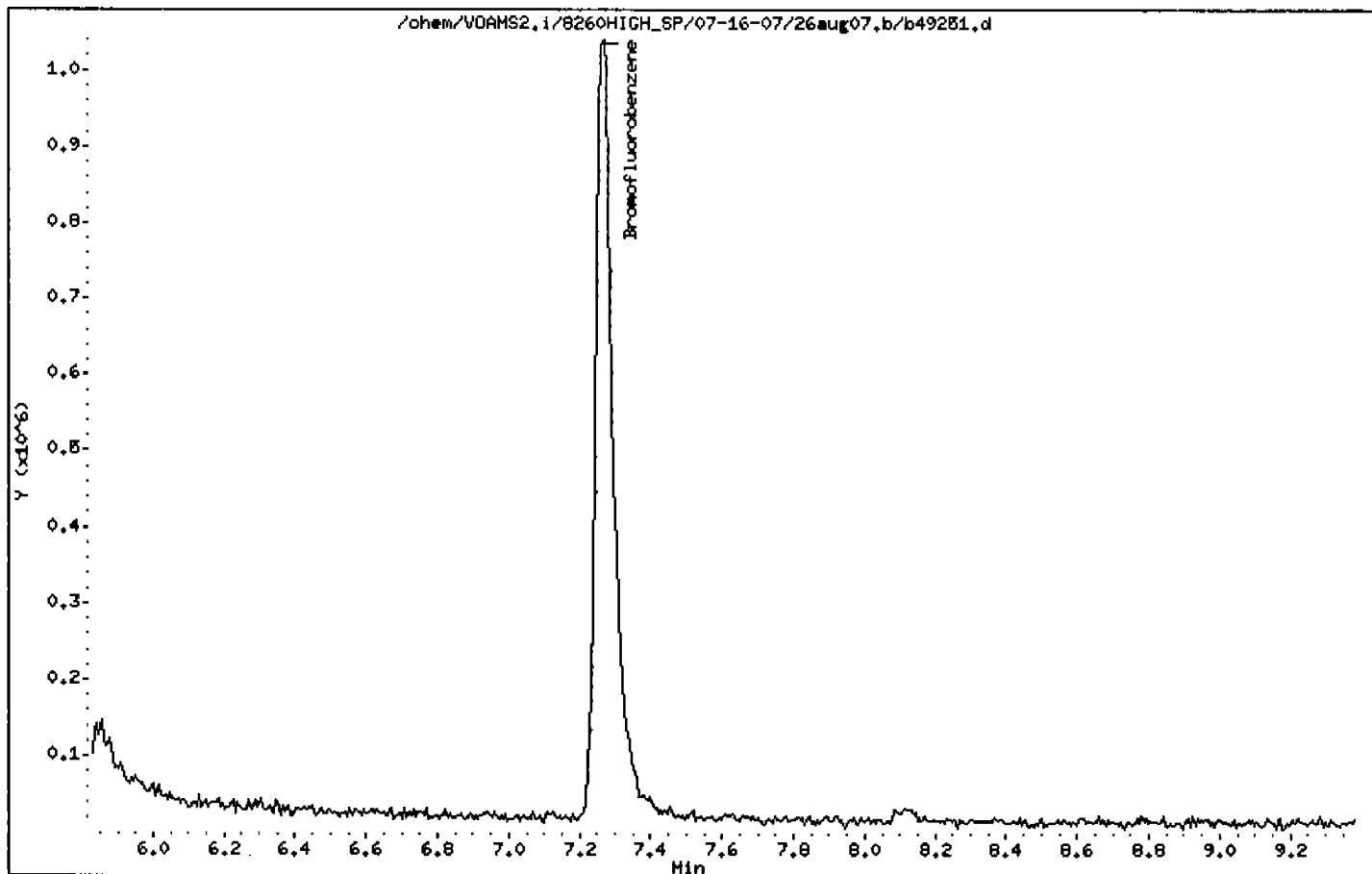
Instrument: VOAMS2.i

Sample Info: BBFB238

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



## Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

BV234T

Matrix: LEACHATE

Date Analyzed: 08/22/07

Level: LOW

Time Analyzed: 1135

Lab File ID: B49223

Heated Purge (Y/N) N

Instrument ID: VOAMS2

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	SED-WC-1	854473	B49226	1349
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
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28				
29				
30				

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

BV234T

Matrix: WATER

Date Analyzed: 08/22/07

Level: LOW

Time Analyzed: 1135

Lab File ID: B49223

Heated Purge (Y/N) N

Instrument ID: VOAMS2

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	6799BS	6799BS	B49222	1044
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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29				
30				

COMMENTS:

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Client ID: **BV234T**  
Site:

Lab Sample No: **BV234T**  
Lab Job No: 6799

Date Sampled: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Date Prepped: \_\_\_\_\_  
Date Analyzed: 08/22/07  
Lab File ID: b49223.d

Leachate Volume: 5.0 ml  
Dilution Factor: 1.0  
GC Column: Rtx-VMS  
Instrument ID: VOAMS2.1

**TOXICITY CHARACTERISTIC LEACHING PROCEDURE**

**VOLATILE ORGANICS - GC/MS**

<u>Parameter</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Quantitation Limit Units: mg/l</u>
Vinyl Chloride	ND	0.2	0.0050
1,1-Dichloroethene	ND	0.7	0.0020
Chloroform	ND	6.0	0.0050
1,2-Dichloroethane	ND	0.5	0.0020
Methyl Ethyl Ketone	ND	200	0.0050
Carbon Tetrachloride	ND	0.5	0.0020
Trichloroethene	ND	0.5	0.0010
Benzene	ND	0.5	0.0010
Tetrachloroethene	ND	0.7	0.0010
Chlorobenzene	ND	100	0.0050

Client ID: **BV234T**  
Site:

Lab Sample No: **BV234T**  
Lab Job No: 6799

Date Sampled: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Date Analyzed: 08/22/07  
GC Column: Rtx-VMS  
Instrument ID: VOAMS2.i  
Lab File ID: b49223.d

Matrix: WATER  
Level: LOW  
Purge Volume: 5.0 ml  
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS  
TENTATIVELY IDENTIFIED COMPOUNDS  
METHOD 8260B**

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
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7.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/b49223.d  
 Report Date: 24-Aug-2007 13:30

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/b49223.d  
 Lab Smp Id: BV234T Client Smp ID: BV234T  
 Inj Date : 22-AUG-2007 11:35  
 Operator : VOAMS 3 Inst ID: VOAMS2.i  
 Smp Info : BV233t  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/8260H\_06.m  
 Meth Date : 22-Aug-2007 11:03 riaz Quant Type: ISTD  
 Cal Date : 16-JUL-2007 14:05 Cal File: b48900.d  
 Als bottle: 6 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: TCLP.sub  
 Target Version: 3.50

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

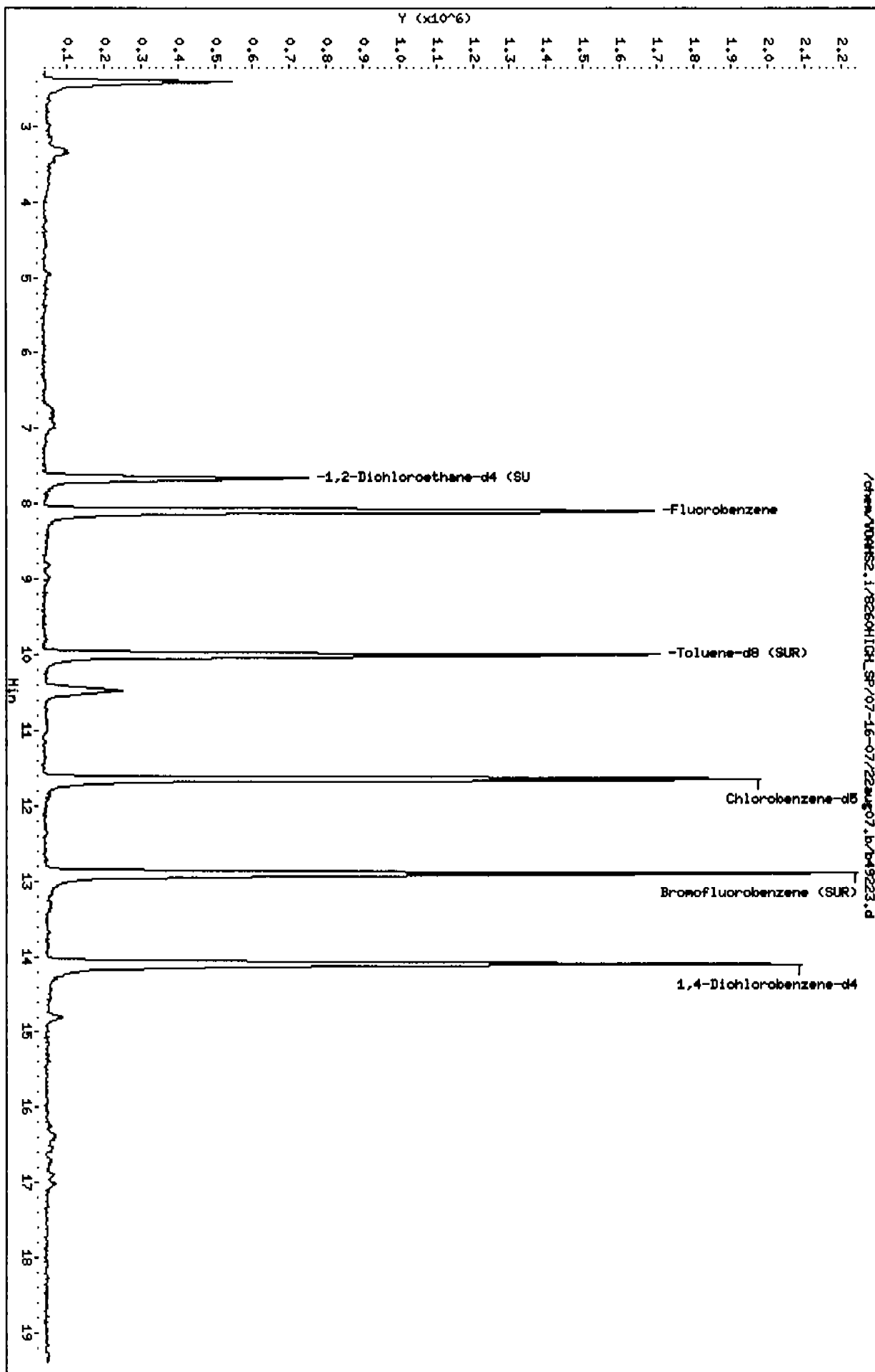
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN ( ug/L)	FINAL ( ug/L)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.656	7.656	(0.947)	1122026	45.8863	46	
* 19 Fluorobenzene	96	8.087	8.087	(1.000)	2981350	50.0000		
\$ 37 Toluene-d8 (SUR)	98	9.989	9.989	(0.858)	2245032	49.8442	50	
* 32 Chlorobenzene-d5	117	11.639	11.639	(1.000)	2266234	50.0000		
\$ 41 Bromofluorobenzene (SUR)	174	12.887	12.887	(0.915)	1334201	51.1761	51	
* 91 1,4-Dichlorobenzene-d4	152	14.091	14.091	(1.000)	1252205	50.0000		

Data File: /chem/V004HS2.1/82601ICH\_SP/07-16-07/22aug07.b/b49223.d  
Date : 22-AUG-2007 11:35  
Client ID: BV2341  
Sample Info: BV233t  
Purge Volume: 5.0  
Column phase: Rtx-VHS

Instrument: V004HS2.1  
Operator: V004HS 3  
Column diameter: 0.18



VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

BV235T

Matrix: WATER

Date Analyzed: 08/23/07

Level: LOW

Time Analyzed: 1257

Lab File ID: B49239

Heated Purge (Y/N) N

Instrument ID: VOAMS2

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	PATHHARRISON2279	854470	B49241	1517
02	PATHHARRISON2279	854470MS	B49247	1806
03				
04				
05				
06				
07				
08				
09				
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11				
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COMMENTS:

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Client ID: BV235T  
Site:

Lab Sample No: BV235T  
Lab Job No: 6799

Date Sampled: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Date Prepped: \_\_\_\_\_  
Date Analyzed: 08/23/07  
Lab File ID: b49239.d

Leachate Volume: 5.0 ml  
Dilution Factor: 1.0  
GC Column: Rtx-VMS  
Instrument ID: VOAMS2.1

**TOXICITY CHARACTERISTIC LEACHING PROCEDURE**

**VOLATILE ORGANICS - GC/MS**

<u>Parameter</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Quantitation Limit Units: mg/l</u>
Vinyl Chloride	ND	0.2	0.0050
1,1-Dichloroethene	ND	0.7	0.0020
Chloroform	ND	6.0	0.0050
1,2-Dichloroethane	ND	0.5	0.0020
Methyl Ethyl Ketone	ND	200	0.0050
Carbon Tetrachloride	ND	0.5	0.0020
Trichloroethene	ND	0.5	0.0010
Benzene	ND	0.5	0.0010
Tetrachloroethene	ND	0.7	0.0010
Chlorobenzene	ND	100	0.0050

Client ID: BV235T  
Site:

Lab Sample No: BV235T  
Lab Job No: 6799

Date Sampled: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Date Analyzed: 08/23/07  
GC Column: Rtx-VMS  
Instrument ID: VOAMS2.i  
Lab File ID: b49239.d

Matrix: WATER  
Level: LOW  
Purge Volume: 5.0 ml  
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS  
TENTATIVELY IDENTIFIED COMPOUNDS  
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/l	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0



Data File: /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/b49239.d  
 Report Date: 30-Aug-2007 17:22

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/b49239.d  
 Lab Smp Id: BV235T Client Smp ID: BV235T  
 Inj Date : 23-AUG-2007 12:57  
 Operator : VOAMS 3 Inst ID: VOAMS2.i  
 Smp Info : BV235T  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/8260H\_06.m  
 Meth Date : 23-Aug-2007 16:26 riaz Quant Type: ISTD  
 Cal Date : 16-JUL-2007 14:05 Cal File: b48900.d  
 Als bottle: 7 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: TCLP.sub  
 Target Version: 3.50

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

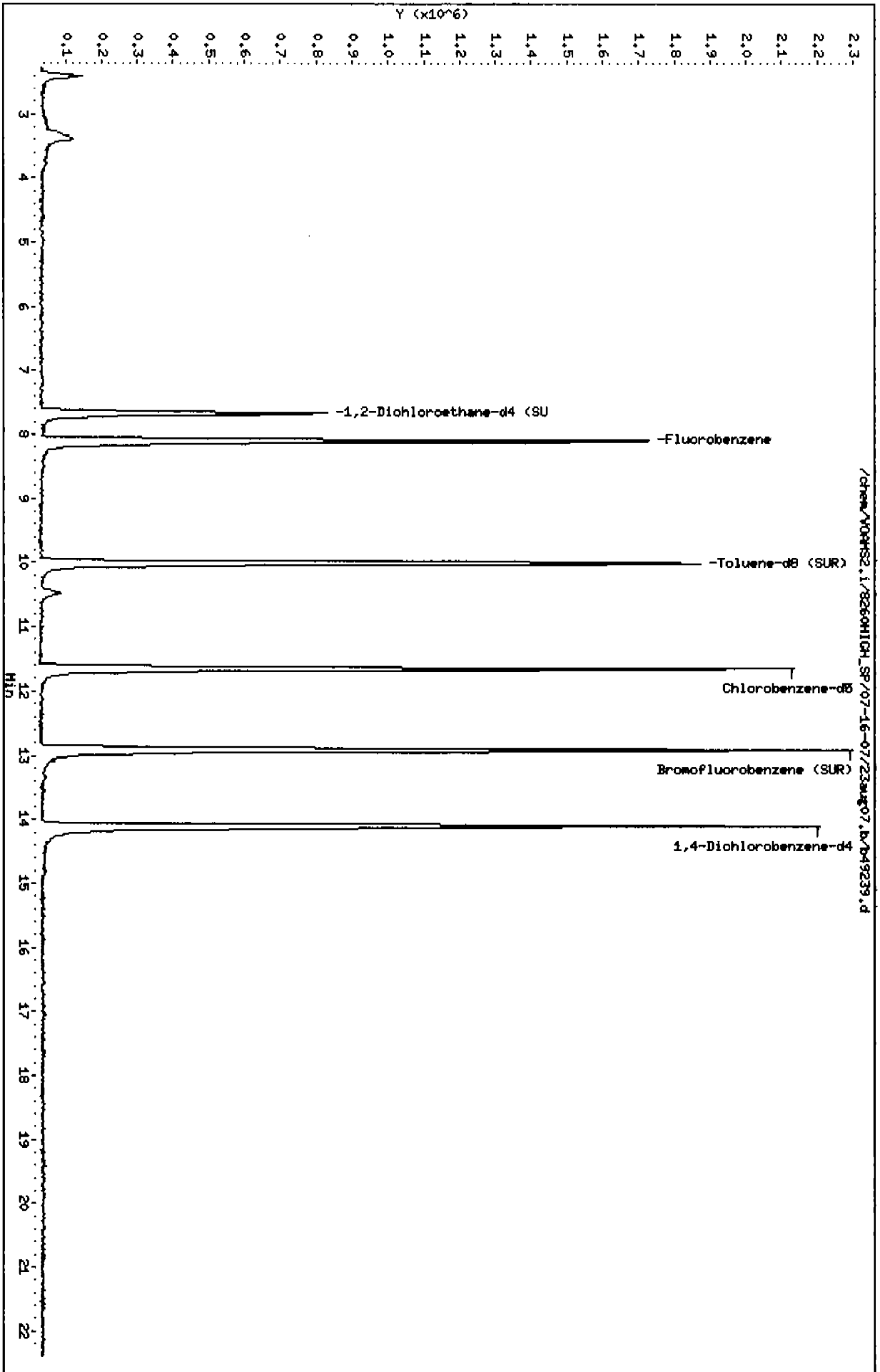
Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.662	7.656	(0.945)	1355523	52.0772	52
* 19 Fluorobenzene	96	8.108	8.102	(1.000)	3173601	50.0000	
\$ 37 Toluene-d8 (SUR)	98	10.010	10.004	(0.860)	2476995	52.1511	52
* 32 Chlorobenzene-d5	117	11.645	11.639	(1.000)	2389786	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	12.908	12.902	(0.916)	1451855	53.5176	54
* 91 1,4-Dichlorobenzene-d4	152	14.097	14.091	(1.000)	1303009	50.0000	

Data File: /chem/V04HS2.1/8260HICH\_SP/07-16-07/23aug07.b/b49239.d

Date: 23-AUG-2007 12:57  
Client ID: BV235T  
Sample Info: BV235T  
Purge Volume: 5.0  
Column phase: Rtx-UHS

Instrument: V04HS2.1  
Operator: V04HS 3  
Column diameter: 0.18



VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

BV238T

Matrix: WATER

Date Analyzed: 08/26/07

Level: LOW

Time Analyzed: 0643

Lab File ID: B49256

Heated Purge (Y/N) N

Instrument ID: VOAMS2

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	PATHHARRISON2279	854470MSD	B49259	0806
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

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Client ID: BV238T  
Site:

Lab Sample No: BV238T  
Lab Job No: 6799

Date Sampled: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Date Prepped: \_\_\_\_\_  
Date Analyzed: 08/26/07  
Lab File ID: b49256.d

Leachate Volume: 5.0 ml  
Dilution Factor: 1.0  
GC Column: Rtx-VMS  
Instrument ID: VOAMS2.i

**TOXICITY CHARACTERISTIC LEACHING PROCEDURE**

**VOLATILE ORGANICS - GC/MS**

<u>Parameter</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Quantitation Limit Units: mg/l</u>
Vinyl Chloride	ND	0.2	0.0050
1,1-Dichloroethene	ND	0.7	0.0020
Chloroform	ND	6.0	0.0050
1,2-Dichloroethane	ND	0.5	0.0020
Methyl Ethyl Ketone	ND	200	0.0050
Carbon Tetrachloride	ND	0.5	0.0020
Trichloroethene	ND	0.5	0.0010
Benzene	ND	0.5	0.0010
Tetrachloroethene	ND	0.7	0.0010
Chlorobenzene	ND	100	0.0050

Client ID: **BV238T**  
Site:

Lab Sample No: **BV238T**  
Lab Job No: 6799

Date Sampled: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Date Analyzed: 08/26/07  
GC Column: Rtx-VMS  
Instrument ID: VOAMS2.i  
Lab File ID: b49256.d

Matrix: WATER  
Level: LOW  
Purge Volume: 5.0 ml  
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS  
TENTATIVELY IDENTIFIED COMPOUNDS  
METHOD 8260B**

COMPOUND NAME	RT	EST. CONC. ug/l	Q
=====	=====	=====	=====
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Data File: /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/b49256.d  
 Report Date: 28-Aug-2007 10:01

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/b49256.d  
 Lab Smp Id: BV238T Client Smp ID: BV238T  
 Inj Date : 26-AUG-2007 06:43  
 Operator : VOAMS 3 Inst ID: VOAMS2.i  
 Smp Info : BV238T  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/8260H\_06.m  
 Meth Date : 26-Aug-2007 05:45 riaz Quant Type: ISTD  
 Cal Date : 16-JUL-2007 14:05 Cal File: b48900.d  
 Als bottle: 6 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: TCLP.sub  
 Target Version: 3.50

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

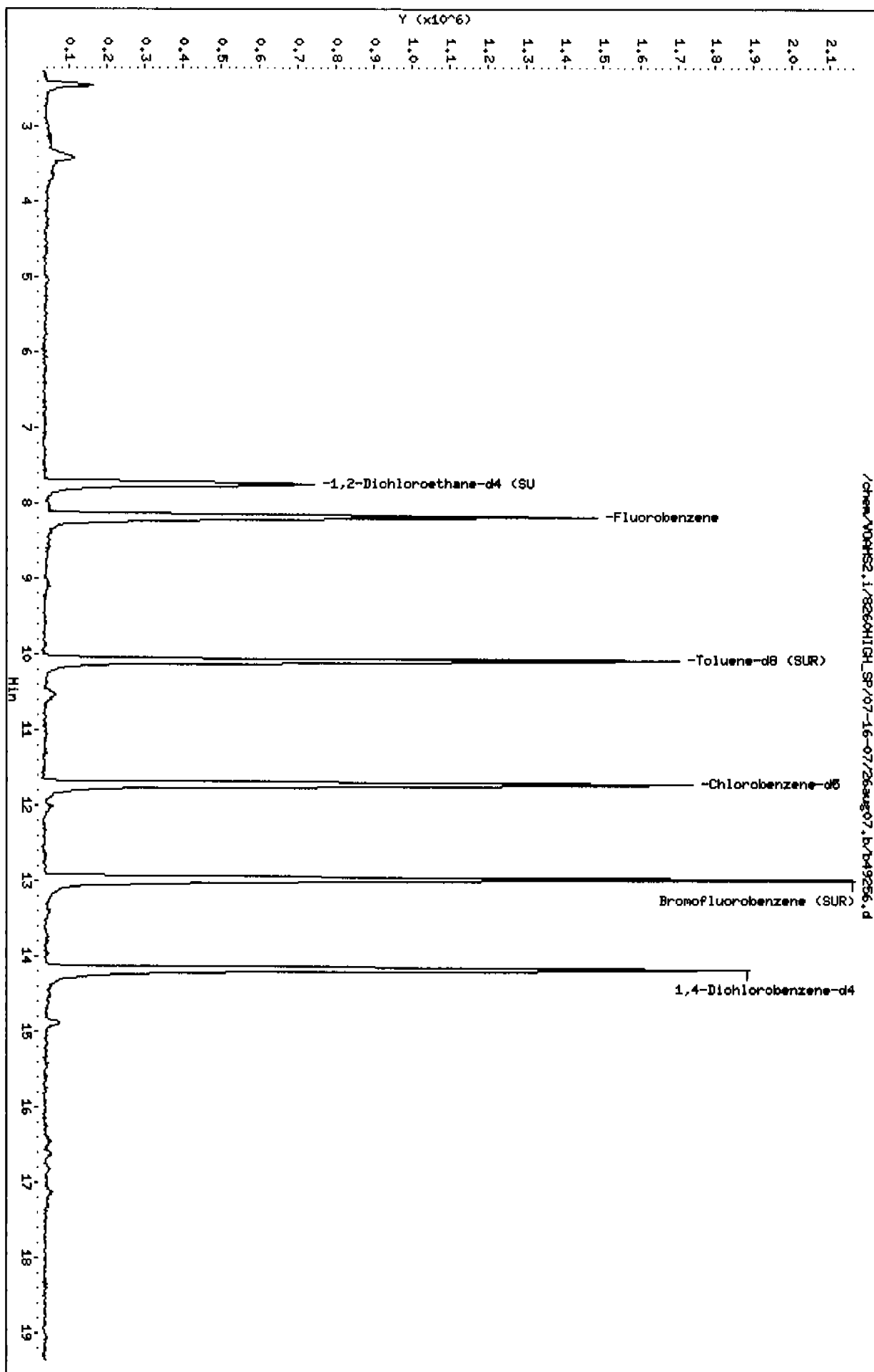
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.736	7.734	(0.947)	1144232	52.9549	53
* 19 Fluorobenzene	96	8.167	8.165	(1.000)	2634517	50.0000	
\$ 37 Toluene-d8 (SUR)	98	10.069	10.068	(0.860)	2159930	56.0020	56
* 32 Chlorobenzene-d5	117	11.704	11.703	(1.000)	1940589	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	12.967	12.966	(0.916)	1346870	59.5986	60
* 91 1,4-Dichlorobenzene-d4	152	14.156	14.155	(1.000)	1085453	50.0000	

Data File: /chem/V04HS2.1/826011QH\_SP/07-16-07/26aug07.b/b49256.d  
Date: 26-AUG-2007 06:43  
Client ID: BV238T  
Sample Info: BV238T  
Purge Volume: 5.0  
Column Phase: Rtx-VHS

Instrument: V04HS2.i  
Operator: V04HS 3  
Column diameter: 0.18



## Calibration Summary



VOLATILE ORGANICS INITIAL CALIBRATION DATA  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

LAB FILE ID:	RRF5: B48893	RRF10: B48898	RRF20: B48900		
	RRF50: B48899	RRF100: B48895			
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
Chloromethane	0.173	0.117	0.102	0.132	0.101
Bromomethane	0.263	0.205	0.187	0.232	0.172
Vinyl Chloride	0.272	0.191	0.174	0.226	0.173
Chloroethane	0.163	0.132	0.116	0.142	0.109
Methylene Chloride	0.269	0.271	0.274	0.278	0.276
Acetone	0.019	0.027	0.019	0.020	0.016
Carbon Disulfide	0.531	0.597	0.623	0.672	0.650
Trichlorofluoromethane	0.997	0.678	0.619	0.839	0.636
1,1-Dichloroethene	0.276	0.274	0.265	0.275	0.275
1,1-Dichloroethane	0.467	0.517	0.510	0.522	0.520
trans-1,2-Dichloroethene	0.339	0.348	0.339	0.356	0.332
cis-1,2-Dichloroethene	0.306	0.326	0.326	0.333	0.327
Chloroform	0.806	0.868	0.838	0.792	0.735
1,2-Dichloroethane	0.398	0.522	0.536	0.530	0.530
2-Butanone	0.033	0.023	0.025	0.026	0.023
1,1,1-Trichloroethane	0.556	0.708	0.704	0.723	0.734
Carbon Tetrachloride	0.644	0.637	0.651	0.686	0.695
Bromodichloromethane	0.658	0.646	0.676	0.704	0.721
1,2-Dichloropropane	0.329	0.316	0.305	0.311	0.308
cis-1,3-Dichloropropene	0.417	0.477	0.501	0.513	0.519
Trichloroethene	0.404	0.439	0.434	0.453	0.450
Dibromochloromethane	0.607	0.668	0.761	0.856	0.832
1,1,2-Trichloroethane	0.279	0.305	0.332	0.341	0.326
Benzene	0.755	0.776	0.758	0.790	0.789
trans-1,3-Dichloropropene	0.518	0.525	0.567	0.634	0.632
2-Chloroethyl Vinyl Ether	0.135	0.140	0.202	0.188	0.172
Bromoform	0.427	0.446	0.550	0.603	0.586
4-Methyl-2-Pentanone	0.150	0.166	0.206	0.195	0.171
2-Hexanone	0.068	0.097	0.148	0.159	0.139
Tetrachloroethene	0.738	0.702	0.678	0.778	0.734
1,1,2,2-Tetrachloroethane	1.036	0.884	0.872	0.931	0.916
Toluene	1.091	1.184	1.193	1.353	1.291
Chlorobenzene	0.865	0.909	0.905	1.008	0.942
Ethylbenzene	0.399	0.409	0.423	0.467	0.444
Styrene	0.716	0.754	0.824	0.910	0.853
Xylene (Total)	0.462	0.505	0.521	0.579	0.535
Ethyl Ether	0.179	0.185	0.191	0.188	0.172
Acrolein					
Freon TF	0.657	0.683	0.738	0.743	0.656

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

LAB FILE ID:	RRF5: B48893	RRF10: B48898	RRF20: B48900		
	RRF50: B48899	RRF100: B48895			
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
Isopropanol					
Acetonitrile	0.007	0.009	0.010	0.010	0.009
TBA	0.017	0.016	0.021	0.019	0.017
Acrylonitrile					
MTBE	0.697	0.772	0.842	0.798	0.728
Hexane					
DIPE	0.758	0.902	0.973	0.956	0.847
Ethyl Acetate	0.036	0.036	0.039	0.039	0.034
Vinyl Acetate	0.769	0.931	1.058	0.862	0.796
Tetrahydrofuran					
Cyclohexane	0.349	0.394	0.421	0.430	0.380
Isobutanol					
Isopropyl Acetate	0.404	0.488	0.579	0.562	0.482
n-Heptane					
n-Butanol					
Propyl Acetate					
Butyl Acetate	0.373	0.426	0.517	0.520	0.431
1,2-Dibromoethane	0.578	0.627	0.662	0.716	0.703
1,3-Dichlorobenzene	1.244	1.503	1.417	1.543	1.343
1,4-Dichlorobenzene	1.786	1.746	1.705	1.783	1.797
1,2-Dichlorobenzene	1.440	1.654	1.536	1.521	1.440
Naphthalene	1.352	1.677	1.585	1.697	1.701
Methylnaphthalene (total)	0.843	1.080	1.249	0.906	1.075
Dimethylnaphthalene (total)	0.482	0.620	0.697	0.581	0.649
Dichlorodifluoromethane	0.675	0.471	0.421	0.540	0.393
1,1-Dichloropropene	0.454	0.528	0.510	0.532	0.539
1,2,4-Trichlorobenzene	1.058	1.216	1.167	1.245	1.230
Hexachlorobutadiene	1.001	1.057	0.982	1.081	1.046
1,4-Dioxane					
Methyl Acrylate					
1,1,1,2-Tetrachloroethane	0.462	0.513	0.547	0.584	0.564
1,2,3-Trichlorobenzene	0.943	1.124	1.006	1.076	1.087
1,2,3-Trichloropropane	0.291	0.294	0.295	0.309	0.305
1,2,4-Trimethylbenzene	2.160	2.432	2.261	2.456	2.347
1,2-Dibromo-3-chloropropane	0.181	0.228	0.253	0.264	0.266
1,3,5-Trimethylbenzene	2.139	2.516	2.306	2.582	2.439
1,3-Dichloropropane	0.539	0.586	0.606	0.644	0.627
2,2-Dichloropropane	0.541	0.540	0.603	0.636	0.639
2-Chlorotoluene	1.685	1.893	1.832	1.989	1.967

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

LAB FILE ID:	RRF5: B48893	RRF10: B48898	RRF20: B48900		
	RRF50: B48899	RRF100: B48895			
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
4-Chlorotoluene	2.433	2.763	2.551	2.776	2.635
Bromobenzene	0.980	1.030	0.990	1.060	1.001
Bromochloromethane	0.215	0.242	0.245	0.248	0.242
Dibromomethane	0.320	0.366	0.369	0.352	0.348
Isopropylbenzene	1.395	1.501	1.560	1.751	1.624
n-Butylbenzene	2.242	2.497	2.435	2.697	2.588
n-Propylbenzene	2.990	3.286	3.086	3.564	3.374
p-Isopropyltoluene	2.455	2.690	2.590	2.854	2.700
sec-Butylbenzene	2.817	3.121	2.929	3.286	3.187
tert-Butylbenzene	2.245	2.506	2.345	2.559	2.453
Allyl chloride					
Benzyl chloride	0.812	0.885	1.253	1.382	1.229
Epichlorohydrin	0.019	0.023	0.027	0.028	0.024
Isoprene	0.228	0.263	0.272	0.281	0.256
Methyl methacrylate	0.165	0.186	0.212	0.206	0.176
n-Pentane	0.050	0.050	0.050	0.049	0.044
Allyl alcohol					
2-Octanol					
2-Octanone					
Ethyl Acrylate					
Butyl Acrylate					
Butyl Methacrylate					
Ethyl methacrylate					
Ethanol					
Methyl Acetate	0.265	0.262	0.251	0.249	0.196
Methyl cyclohexane	0.401	0.433	0.486	0.490	0.420
Cyclohexanone					
p-Ethyltoluene					
1,4-Diethylbenzene					
1,2,4,5-Tetramethylbenzene					
Propylene Oxide					
Camphene (total)					
Camphor					
Amyl Acetate					
2-Methylnaphthalene					
1-Chlorohexane					
Chlorotrifluoromethane					
Chlorodifluoromethane					
tert-Amylmethyl Ether					

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

LAB FILE ID:	RRF5: B48893	RRF10: B48898	RRF20: B48900		
	RRF50: B48899	RRF100: B48895			
COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF100
=====	=====	=====	=====	=====	=====
Iodomethane					
trans-1,4-Dichloro-2-butene					
Acetaldehyde					
1,3,5-Trichlorobenzene					
1,2-Dichlorotrifluoroethane					
1-Bromo-2-chloroethane					
4-Chlorobenzotrifluoride					
2-Chloropropene					
tert-Butyl ethyl ether					
1,3-Butadiene					
1-Propene					
2-Chloropropane					
1-Chloropropane					
=====	=====	=====	=====	=====	=====
1,2-Dichloroethane-d4 (SUR)	0.295	0.459	0.436	0.393	0.433
Toluene-d8 (SUR)	0.703	1.061	1.004	1.018	1.066
Bromofluorobenzene (SUR)	0.823	1.203	1.069	1.005	1.054

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

RRF200: B48894

COMPOUND	RRF200
Chloromethane	0.102
Bromomethane	0.159
Vinyl Chloride	0.165
Chloroethane	0.101
Methylene Chloride	0.286
Acetone	0.016
Carbon Disulfide	0.793
Trichlorofluoromethane	0.630
1,1-Dichloroethene	0.289
1,1-Dichloroethane	0.541
trans-1,2-Dichloroethene	0.352
cis-1,2-Dichloroethene	0.345
Chloroform	0.750
1,2-Dichloroethane	0.542
2-Butanone	0.024
1,1,1-Trichloroethane	0.762
Carbon Tetrachloride	0.715
Bromodichloromethane	0.768
1,2-Dichloropropane	0.316
cis-1,3-Dichloropropene	0.537
Trichloroethene	0.451
Dibromochloromethane	0.881
1,1,2-Trichloroethane	0.337
Benzene	0.789
trans-1,3-Dichloropropene	0.672
2-Chloroethyl Vinyl Ether	0.192
Bromoform	0.591
4-Methyl-2-Pentanone	0.173
2-Hexanone	0.145
Tetrachloroethene	0.713
1,1,2,2-Tetrachloroethane	0.891
Toluene	1.316
Chlorobenzene	0.964
Ethylbenzene	0.440
Styrene	0.876
Xylene (Total)	0.554
Ethyl Ether	0.190
Acrolein	
Freon TF	0.773

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

RRF200: B48894

COMPOUND	RRF200
Isopropanol	
Acetonitrile	0.010
TBA	0.017
Acrylonitrile	
MTBE	0.814
Hexane	
DIPE	0.935
Ethyl Acetate	0.038
Vinyl Acetate	0.827
Tetrahydrofuran	
Cyclohexane	0.444
Isobutanol	
Isopropyl Acetate	0.515
n-Heptane	
n-Butanol	
Propyl Acetate	
Butyl Acetate	0.456
1,2-Dibromoethane	0.722
1,3-Dichlorobenzene	1.460
1,4-Dichlorobenzene	1.667
1,2-Dichlorobenzene	1.396
Naphthalene	1.702
Methylnaphthalene (total)	0.983
Dimethylnaphthalene (total)	0.487
Dichlorodifluoromethane	0.388
1,1-Dichloropropene	0.538
1,2,4-Trichlorobenzene	1.249
Hexachlorobutadiene	1.028
1,4-Dioxane	
Methyl Acrylate	
1,1,1,2-Tetrachloroethane	0.568
1,2,3-Trichlorobenzene	1.102
1,2,3-Trichloropropane	0.288
1,2,4-Trimethylbenzene	2.344
1,2-Dibromo-3-chloropropane	0.252
1,3,5-Trimethylbenzene	2.453
1,3-Dichloropropane	0.653
2,2-Dichloropropane	0.662
2-Chlorotoluene	2.017

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

RRF200: B48894

COMPOUND	RRF200
=====	=====
4-Chlorotoluene	2.709
Bromobenzene	1.009
Bromochloromethane	0.258
Dibromomethane	0.353
Isopropylbenzene	1.679
n-Butylbenzene	2.601
n-Propylbenzene	3.654
p-Isopropyltoluene	2.701
sec-Butylbenzene	3.264
tert-Butylbenzene	2.506
Allyl chloride	
Benzyl chloride	1.386
Epichlorohydrin	0.026
Isoprene	0.296
Methyl methacrylate	0.190
n-Pentane	0.052
Allyl alcohol	
2-Octanol	
2-Octanone	
Ethyl Acrylate	
Butyl Acrylate	
Butyl Methacrylate	
Ethyl methacrylate	
Ethanol	
Methyl Acetate	0.229
Methyl cyclohexane	0.474
Cyclohexanone	
p-Ethyltoluene	
1,4-Diethylbenzene	
1,2,4,5-Tetramethylbenzene	
Propylene Oxide	
Camphene (total)	
Camphor	
Amyl Acetate	
2-Methylnaphthalene	
1-Chlorohexane	
Chlorotrifluoromethane	
Chlorodifluoromethane	
tert-Amylmethyl Ether	

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.





VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R <sup>2</sup>
		A0	A1	A2	
Chloromethane	LINR	0.00000000	9.64337069		0.992**
Bromomethane	2ORDR	0.00000000	4.33673867	3.10888474	0.995*
Vinyl Chloride	2ORDR	0.00000000	4.65231731	2.19176927	0.996*
Chloroethane	2ORDR	0.00000000	7.07200007	7.14431305	0.997*
Methylene Chloride	AVRG		0.27579613		2.3*
Acetone	2ORDR	0.00000000	53.7307822	158.247838	0.996*
Carbon Disulfide	AVRG		0.64438582		13.6*
Trichlorofluoromethane	LINR	0.00000000	1.55211513		0.991*
1,1-Dichloroethene	AVRG		0.27575135		2.8*
1,1-Dichloroethane	AVRG		0.51298901		4.8**
trans-1,2-Dichloroethene	AVRG		0.34420847		2.6*
cis-1,2-Dichloroethene	AVRG		0.32733152		3.9*
Chloroform	AVRG		0.79827477		6.3*
1,2-Dichloroethane	AVRG		0.50978982		10.8*
2-Butanone	AVRG		0.02564882		14.8*
1,1,1-Trichloroethane	AVRG		0.69781450		10.4*
Carbon Tetrachloride	AVRG		0.67145061		4.7*
Bromodichloromethane	AVRG		0.69571632		6.5*
1,2-Dichloropropane	AVRG		0.31427883		2.7*
cis-1,3-Dichloropropene	AVRG		0.49392113		8.7*
Trichloroethene	AVRG		0.43847370		4.2*
Dibromochloromethane	AVRG		0.76765892		14.3*
1,1,2-Trichloroethane	AVRG		0.32008589		7.4*
Benzene	AVRG		0.77637837		2.1*
trans-1,3-Dichloropropene	AVRG		0.59115805		10.8*
2-Chloroethyl Vinyl Ether	LINR	0.00000000	5.31195930		0.997*
Bromoform	AVRG		0.53393497		14.6**
4-Methyl-2-Pentanone	AVRG		0.17683172		11.6*
2-Hexanone	LINR	0.00000000	6.92505651		0.998*
Tetrachloroethene	AVRG		0.72382631		4.7*
1,1,2,2-Tetrachloroethane	AVRG		0.92176592		6.5**
Toluene	AVRG		1.23803046		8.0*
Chlorobenzene	AVRG		0.93220239		5.4**
Ethylbenzene	AVRG		0.43045140		5.8*
Styrene	AVRG		0.82223382		9.0*
Xylene (Total)	AVRG		0.52594067		7.7*
Ethyl Ether	AVRG		0.18432495		4.1*
Acrolein	AVRG				
Freon TF	AVRG		0.70850647		7.0*

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
Isopropanol	AVRG				
Acetonitrile	AVRG		0.00920960		11.0*
TBA	AVRG		0.01778640		9.2*
Acrylonitrile	AVRG				
MTBE	AVRG		0.77526759		7.0*
Hexane	AVRG				
DIPE	AVRG		0.89511246		9.0*
Ethyl Acetate	AVRG		0.03694524		5.7*
Vinyl Acetate	AVRG		0.87392460		12.2*
Tetrahydrofuran	AVRG				
Cyclohexane	AVRG		0.40291011		8.8*
Isobutanol	AVRG				
Isopropyl Acetate	AVRG		0.50510473		12.4*
n-Heptane	AVRG				
n-Butanol	AVRG				
Propyl Acetate	2ORDR				
Butyl Acetate	AVRG		0.45395105		12.6*
1,2-Dibromoethane	AVRG		0.66806361		8.5*
1,3-Dichlorobenzene	AVRG		1.41832254		7.8*
1,4-Dichlorobenzene	AVRG		1.74746595		3.0*
1,2-Dichlorobenzene	AVRG		1.49803478		6.2*
Naphthalene	AVRG		1.61902914		8.5*
Methylnaphthalene (total)	AVRG		1.02268868		14.2*
Dimethylnaphthalene (total)	AVRG		0.58590387		14.9*
Dichlorodifluoromethane	2ORDR	0.00000000	2.04668048	0.34994948	0.993*
1,1-Dichloropropene	AVRG		0.51685633		6.2*
1,2,4-Trichlorobenzene	AVRG		1.19446602		6.1*
Hexachlorobutadiene	AVRG		1.03255874		3.5*
1,4-Dioxane	AVRG				
Methyl Acrylate	AVRG				
1,1,1,2-Tetrachloroethane	AVRG		0.53976918		8.3*
1,2,3-Trichlorobenzene	AVRG		1.05635247		6.5*
1,2,3-Trichloropropane	AVRG		0.29705382		2.8*
1,2,4-Trimethylbenzene	AVRG		2.33344603		4.7*
1,2-Dibromo-3-chloropropane	AVRG		0.24053190		13.4*
1,3,5-Trimethylbenzene	AVRG		2.40612308		6.6*
1,3-Dichloropropane	AVRG		0.60923607		6.9*
2,2-Dichloropropane	AVRG		0.60366973		8.7*
2-Chlorotoluene	AVRG		1.89712289		6.5*

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R <sup>2</sup>
		A0	A1	A2	
4-Chlorotoluene	AVRG		2.64457507		5.0*
Bromobenzene	AVRG		1.01164179		2.9*
Bromochloromethane	AVRG		0.24170610		5.8*
Dibromomethane	AVRG		0.35128803		4.9*
Isopropylbenzene	AVRG		1.58506414		8.1*
n-Butylbenzene	AVRG		2.51001921		6.3*
n-Propylbenzene	AVRG		3.32576249		7.8*
p-Isopropyltoluene	AVRG		2.66529616		5.0*
sec-Butylbenzene	AVRG		3.10061737		6.1*
tert-Butylbenzene	AVRG		2.43571740		4.8*
Allyl chloride	AVRG				
Benzyl chloride	LINR	0.00000000	0.73676761		0.996*
Epichlorohydrin	AVRG		0.02447859		12.9*
Isoprene	AVRG		0.26620788		8.9*
Methyl methacrylate	AVRG		0.18909059		9.4*
n-Pentane	AVRG		0.04932407		5.3*
Allyl alcohol	AVRG				
2-Octanol	AVRG				
2-Octanone	AVRG				
Ethyl Acrylate	AVRG				
Butyl Acrylate	AVRG				
Butyl Methacrylate	AVRG				
Ethyl methacrylate	AVRG				
Ethanol	AVRG				
Methyl Acetate	AVRG		0.24190315		10.7*
Methyl cyclohexane	AVRG		0.45047259		8.3*
Cyclohexanone	AVRG				
p-Ethyltoluene	AVRG				
1,4-Diethylbenzene	AVRG				
1,2,4,5-Tetramethylbenzene	AVRG				
Propylene Oxide	AVRG				
Camphene (total)	AVRG				
Camphor	AVRG				
Amyl Acetate	AVRG				
2-Methylnaphthalene	AVRG				
1-Chlorohexane	AVRG				
Chlorotrifluoromethane	AVRG				
Chlorodifluoromethane	AVRG				
tert-Amylmethyl Ether	AVRG				

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8260B

Instrument ID: VOAMS2

Calibration Date(s): 07/16/07 07/16/07

Heated Purge: (Y/N) N

Calibration Time(s): 1037 1405

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
-----	-----	-----	-----	-----	-----
Iodomethane	AVRG				
trans-1,4-Dichloro-2-butene	AVRG				
Acetaldehyde	AVRG				
1,3,5-Trichlorobenzene	AVRG				
1,2-Dichlorotrifluoroethane	AVRG				
1-Bromo-2-chloroethane	AVRG				
4-Chlorobenzotrifluoride	AVRG				
2-Chloropropene	AVRG				
tert-Butyl ethyl ether	AVRG				
1,3-Butadiene	AVRG				
1-Propene	AVRG				
2-Chloropropane	AVRG				
1-Chloropropane	AVRG				
=====	=====	=====	=====	=====	=====
1,2-Dichloroethane-d4 (SUR)	AVRG		0.41008805		14.8*
Toluene-d8 (SUR)	AVRG		0.99374019		14.8*
Bromofluorobenzene (SUR)	AVRG		1.04099560		12.0*

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/b48893.d  
 Lab Smp Id: BSTD005  
 Inj Date : 16-JUL-2007 10:37  
 Operator : VOAMS 3  
 Smp Info : BSTD005  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/8260H\_06.m  
 Meth Date : 17-Aug-2007 14:35 vibha  
 Cal Date : 16-JUL-2007 10:37  
 Als bottle: 14  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i  
 Quant Type: ISTD  
 Cal File: b48893.d  
 Calibration Sample, Level: 1  
 Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85	2.634	2.648	(0.324)	236660	5.00000	5.0
1 Chloromethane	50	2.886	2.900	(0.356)	60794	5.00000	5.0
4 Vinyl Chloride	62	3.035	3.034	(0.374)	95521	5.00000	5.0
3 Bromomethane	94	3.407	3.420	(0.420)	92222	5.00000	5.0
5 Chloroethane	64	3.511	3.524	(0.432)	57075	5.00000	5.0
121 n-Pentane	72	3.927	3.941	(0.484)	17585	5.00000	5.0
9 Trichlorofluoromethane	101	3.838	3.851	(0.473)	349229	5.00000	5.0
119 Isoprene	67	4.239	4.238	(0.522)	79743	5.00000	5.0
46 Ethyl Ether	59	4.239	4.253	(0.522)	62877	5.00000	5.0
10 1,1-Dichloroethene	96	4.492	4.505	(0.553)	38716	2.00000	2.0
8 Carbon Disulfide	76	4.789	4.803	(0.590)	185952	5.00000	5.0
48 Freon TF	101	4.477	4.490	(0.551)	230090	5.00000	5.0
6 Methylene Chloride	84	5.056	5.070	(0.623)	56487	3.00000	3.0
7 Acetone	58	4.581	4.595	(0.564)	7756	5.00000	5.0
12 trans-1,2-Dichloroethene	96	5.398	5.412	(0.665)	118861	5.00000	5.0
131 Methyl Acetate	43	4.967	4.966	(0.612)	92953	5.00000	5.0
53 MTBE	73	5.428	5.427	(0.669)	244209	5.00000	5.0

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
51 TBA	59	5.235	5.234	(0.645)	119607	100.000	100
50 Acetonitrile	41	4.908	4.892	(0.605)	52001	100.000	100
55 DIPE	45	5.993	5.992	(0.738)	265461	5.00000	5.0
11 1,1-Dichloroethane	63	5.918	5.917	(0.729)	163665	5.00000	5.0
57 Vinyl Acetate	43	5.978	5.977	(0.736)	269341	5.00000	5.0
13 cis-1,2-Dichloroethane	96	6.632	6.645	(0.817)	107151	5.00000	5.0
104 2,2-Dichloropropane	77	6.647	6.645	(0.819)	189525	5.00000	5.0
59 Cyclohexane	56	7.404	7.418	(0.912)	122275	5.00000	5.0
108 Bromochloromethane	128	6.944	6.958	(0.855)	75503	5.00000	5.0
15 Chloroform	83	7.033	7.032	(0.866)	282631	5.00000	5.0
21 Carbon Tetrachloride	117	7.538	7.552	(0.929)	90215	2.00000	2.0
20 1,1,1-Trichloroethane	97	7.300	7.314	(0.899)	194721	5.00000	5.0
56 Ethyl Acetate	70	6.736	6.705	(0.830)	25330	10.0000	10
92 1,1-Dichloropropene	75	7.523	7.522	(0.927)	159286	5.00000	5.0
18 2-Butanone	72	6.676	6.645	(0.822)	11595	5.00000	5.0
28 Benzene	78	7.791	7.790	(0.960)	52942	1.00000	1.0
§ 16 1,2-Dichloroethane-d4 (SUR)	65	7.687	7.686	(0.947)	103350	5.00000	5.0
17 1,2-Dichloroethane	62	7.776	7.775	(0.958)	55807	2.00000	2.0
* 19 Fluorobenzene	96	8.118	8.117	(1.000)	3504085	50.0000	
61 Isopropyl Acetate	43	7.806	7.790	(0.962)	283462	10.0000	10
132 Methyl cyclohexane	83	8.846	8.845	(1.090)	140411	5.00000	5.0
25 Trichloroethene	95	8.579	8.592	(1.057)	28287	1.00000	1.0
109 Dibromomethane	93	8.980	8.994	(1.106)	112187	5.00000	5.0
23 1,2-Dichloropropane	63	8.846	8.845	(1.090)	23090	1.00000	1.0
22 Bromodichloromethane	83	9.158	9.157	(1.128)	46132	1.00000	1.0
120 Methyl methacrylate	69	8.935	8.934	(1.101)	57739	5.00000	5.0
64 Propyl Acetate	43	8.995	8.994	(1.108)	665130	10.0000	10
30 2-Chloroethyl Vinyl Ether	63	9.500	9.469	(1.170)	47322	5.00000	5.0
24 cis-1,3-Dichloropropene	75	9.678	9.677	(1.192)	145997	5.00000	5.0
§ 37 Toluene-d8 (SUR)	98	10.020	10.019	(0.860)	186662	5.00000	5.0
38 Toluene	91	10.109	10.108	(0.867)	289594	5.00000	5.0
118 Epichlorohydrin	57	9.559	9.558	(1.178)	134658	100.000	100
35 Tetrachloroethane	166	10.763	10.762	(0.923)	39168	1.00000	1.0
33 4-Methyl-2-Pentanone	43	9.827	9.826	(1.211)	52519	5.00000	5.0
29 trans-1,3-Dichloropropene	75	10.317	10.301	(0.885)	137444	5.00000	5.0
27 1,1,2-Trichloroethane	83	10.540	10.524	(0.904)	44503	3.00000	3.0
26 Dibromochloromethane	129	11.001	11.000	(0.944)	161254	5.00000	5.0
103 1,3-Dichloropropane	76	10.734	10.732	(0.921)	143172	5.00000	5.0
66 1,2-Dibromoethane	107	11.165	11.149	(0.958)	153426	5.00000	5.0
65 Butyl Acetate	43	10.927	10.911	(0.938)	197973	10.0000	10
34 2-Hexanone	43	10.838	10.792	(0.930)	17969	5.00000	5.0
* 32 Chlorobenzene-d5	117	11.655	11.669	(1.000)	2654576	50.0000	
39 Chlorobenzene	112	11.700	11.698	(1.004)	229660	5.00000	5.0
40 Ethylbenzene	106	11.804	11.803	(1.013)	84752	4.00000	4.0
97 1,1,1,2-Tetrachloroethane	131	11.759	11.773	(1.009)	122722	5.00000	5.0
43 m+p-Xylene	106	11.922	11.921	(1.023)	255029	10.0000	10
44 o-Xylene	106	12.353	12.352	(1.060)	112901	5.00000	5.0

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT ( ug/L)	ON-COL ( ug/L)
42 Styrene	104	12.368	12.367	(1.061)	190209	5.00000	5.0
31 Bromoform	173	12.606	12.590	(1.082)	90639	4.00000	4.0
110 Isopropylbenzene	105	12.740	12.739	(1.093)	370330	5.00000	5.0
\$ 41 Bromofluorobenzene (SUR)	174	12.933	12.917	(0.917)	112786	5.00000	5.0
107 Bromobenzene	156	13.111	13.110	(0.929)	134273	5.00000	5.0
112 n-Propylbenzene	91	13.171	13.170	(0.934)	409731	5.00000	5.0
36 1,1,2,2-Tetrachloroethane	83	13.007	13.021	(0.922)	28397	1.00000	1.0
105 2-Chlorotoluene	91	13.290	13.289	(0.942)	230893	5.00000	5.0
99 1,2,3-Trichloropropane	110	13.082	13.081	(0.927)	39847	5.00000	5.0
102 1,3,5-Trimethylbenzene	105	13.334	13.333	(0.945)	293153	5.00000	5.0
106 4-Chlorotoluene	91	13.394	13.393	(0.949)	333419	5.00000	5.0
115 tert-Butylbenzene	119	13.676	13.690	(0.969)	307655	5.00000	5.0
100 1,2,4-Trimethylbenzene	105	13.721	13.720	(0.973)	296057	5.00000	5.0
114 sec-Butylbenzene	105	13.899	13.898	(0.985)	386047	5.00000	5.0
113 p-Isopropyltoluene	119	14.033	14.032	(0.995)	336444	5.00000	5.0
67 1,3-Dichlorobenzene	146	14.048	14.062	(0.996)	170445	5.00000	5.0
* 91 1,4-Dichlorobenzene-d4	152	14.107	14.121	(1.000)	1370275	50.0000	
68 1,4-Dichlorobenzene	146	14.137	14.136	(1.002)	244672	5.00000	5.0
117 Benzyl chloride	91	14.256	14.255	(1.011)	111251	5.00000	5.0
111 n-Butylbenzene	91	14.464	14.463	(1.025)	307185	5.00000	5.0
69 1,2-Dichlorobenzene	146	14.553	14.552	(1.032)	197401	5.00000	5.0
101 1,2-Dibromo-3-chloropropane	75	15.370	15.369	(1.090)	24822	5.00000	5.0
94 Hexachlorobutadiene	225	16.559	16.573	(1.174)	137158	5.00000	5.0
93 1,2,4-Trichlorobenzene	180	16.381	16.380	(1.161)	145043	5.00000	5.0
70 Naphthalene	128	16.723	16.722	(1.185)	185283	5.00000	5.0
98 1,2,3-Trichlorobenzene	180	17.050	17.049	(1.209)	129223	5.00000	5.0
71 Methylanthalene (total)	142	18.387	18.371	(1.303)	115487	5.00000	5.0(M)
72 Dimethylnaphthalene (total)	156	20.780	20.779	(1.473)	66009	5.00000	5.0(M)
M 14 1,2-Dichloroethene (total)	100				226012	10.0000	10
M 45 Xylene (Total)	100				367930	15.0000	15

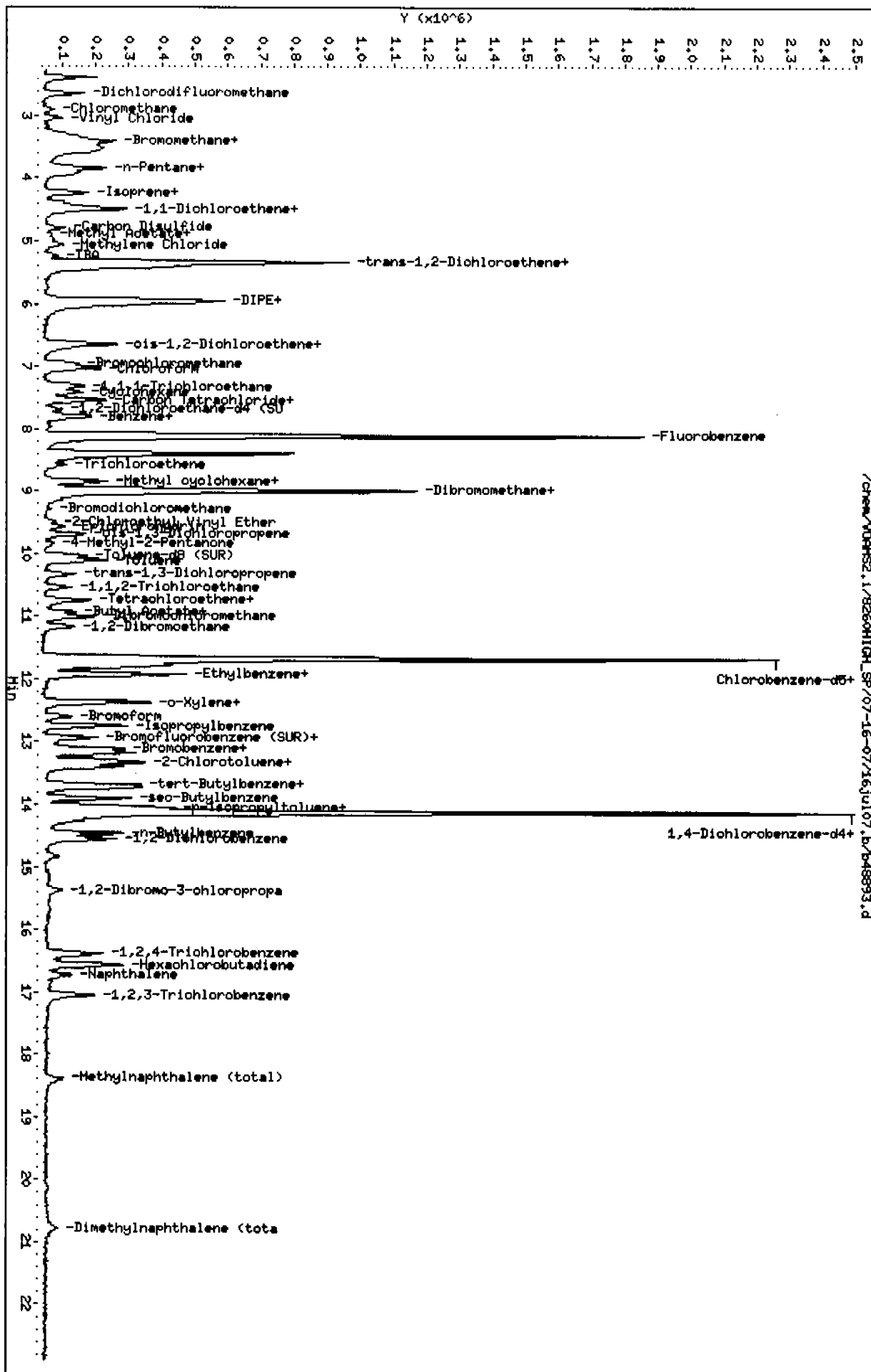
QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/VOHHS2.1/8266HIGH.SP/07-16-07/16Jul07.b/b48993.d  
Date: 16-Jul-2007 10:37

Client ID:  
Sample Info: BSTD005  
Purge Volume: 5.0  
Column phase: Rtx-VHS

Instrument: VOHHS2.1  
Operator: VOHHS 3  
Column diameter: 0.18





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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/b48898.d  
 Lab Smp Id: BSTD010  
 Inj Date : 16-JUL-2007 13:06  
 Operator : VOAMS 3  
 Smp Info : BSTD010  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/8260H\_06.m  
 Meth Date : 17-Aug-2007 14:35 vibha  
 Cal Date : 16-JUL-2007 13:06  
 Als bottle: 13  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i

Quant Type: ISTD  
 Cal File: b48898.d  
 Calibration Sample, Level: 2

Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85	2.648	2.648	(0.326)	310702	10.0000	12
1 Chloromethane	50	2.901	2.900	(0.357)	77270	10.0000	11
4 Vinyl Chloride	62	3.035	3.034	(0.374)	126167	10.0000	10
3 Bromomethane	94	3.421	3.420	(0.421)	135127	10.0000	11
5 Chloroethane	64	3.510	3.524	(0.432)	87457	10.0000	11
121 n-Pentane	72	3.926	3.941	(0.484)	33062	10.0000	10
9 Trichlorofluoromethane	101	3.852	3.851	(0.475)	447200	10.0000	11
119 Isoprene	67	4.238	4.238	(0.522)	173721	10.0000	10
46 Ethyl Ether	59	4.253	4.253	(0.524)	122025	10.0000	10
10 1,1-Dichloroethene	96	4.506	4.505	(0.555)	181011	10.0000	9.8
8 Carbon Disulfide	76	4.803	4.803	(0.592)	394294	10.0000	9.3
48 Freon TF	101	4.491	4.490	(0.553)	450678	10.0000	9.9
6 Methylene Chloride	84	5.071	5.070	(0.625)	179058	10.0000	9.8
7 Acetone	58	4.595	4.595	(0.566)	23393	10.0000	21
12 trans-1,2-Dichloroethene	96	5.413	5.412	(0.667)	229971	10.0000	10
131 Methyl Acetate	43	4.982	4.966	(0.614)	172667	10.0000	11
53 MTBE	73	5.427	5.427	(0.669)	509565	10.0000	10

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT ( ug/L)	ON-COL ( ug/L)
-----	----	--	-----	-----	-----	-----	
51 TBA	59	5.249	5.234	(0.647)	218012	200.000	200
50 Acetonitrile	41	4.907	4.892	(0.605)	124068	200.000	210
55 DIPE	45	6.007	5.992	(0.740)	595482	10.0000	10
11 1,1-Dichloroethane	63	5.918	5.917	(0.729)	341351	10.0000	10
57 Vinyl Acetate	43	5.992	5.977	(0.738)	614506	10.0000	11
13 cis-1,2-Dichloroethene	96	6.646	6.645	(0.819)	215176	10.0000	10
104 2,2-Dichloropropane	77	6.646	6.645	(0.819)	356701	10.0000	9.1
59 Cyclohexane	56	7.419	7.418	(0.914)	260141	10.0000	10
108 Bromochloromethane	128	6.958	6.958	(0.857)	159971	10.0000	10
15 Chloroform	83	7.032	7.032	(0.866)	572630	10.0000	11
21 Carbon Tetrachloride	117	7.553	7.552	(0.930)	420644	10.0000	9.5
20 1,1,1-Trichloroethane	97	7.315	7.314	(0.901)	467142	10.0000	10
56 Ethyl Acetate	70	6.720	6.705	(0.828)	47636	20.0000	20
92 1,1-Dichloropropene	75	7.538	7.522	(0.929)	348286	10.0000	10
18 2-Butanone	72	6.691	6.645	(0.824)	15259	10.0000	9.0
28 Benzene	78	7.790	7.790	(0.960)	512392	10.0000	10
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.701	7.686	(0.949)	302777	10.0000	11
17 1,2-Dichloroethane	62	7.790	7.775	(0.960)	344351	10.0000	10
* 19 Fluorobenzene	96	8.117	8.117	(1.000)	3299876	50.0000	
61 Isopropyl Acetate	43	7.805	7.790	(0.962)	643826	20.0000	21
132 Methyl cyclohexane	83	8.846	8.845	(1.090)	285645	10.0000	10
25 Trichloroethene	95	8.593	8.592	(1.059)	289903	10.0000	10
109 Dibromomethane	93	8.994	8.994	(1.108)	241270	10.0000	10
23 1,2-Dichloropropane	63	8.846	8.845	(1.090)	208832	10.0000	10
22 Bromodichloromethane	83	9.158	9.157	(1.128)	426548	10.0000	9.2
120 Methyl methacrylate	69	8.935	8.934	(1.101)	122526	10.0000	10
64 Propyl Acetate	43	8.994	8.994	(1.108)	1486898	20.0000	34
30 2-Chloroethyl Vinyl Ether	63	9.500	9.469	(1.170)	92308	10.0000	7.4
24 cis-1,3-Dichloropropene	75	9.693	9.677	(1.194)	314654	10.0000	9.8
\$ 37 Toluene-d8 (SUR)	98	10.035	10.019	(0.860)	549975	10.0000	11
38 Toluene	91	10.109	10.108	(0.866)	613708	10.0000	9.7
118 Epichlorohydrin	57	9.559	9.558	(1.178)	304165	200.000	200
35 Tetrachloroethene	166	10.763	10.762	(0.922)	364043	10.0000	9.7
33 4-Methyl-2-Pentanone	43	9.841	9.826	(1.212)	109398	10.0000	10
29 trans-1,3-Dichloropropene	75	10.332	10.301	(0.885)	271970	10.0000	8.9
27 1,1,2-Trichloroethane	83	10.540	10.524	(0.903)	158043	10.0000	9.8
26 Dibromochloromethane	129	11.015	11.000	(0.944)	346107	10.0000	8.9
103 1,3-Dichloropropane	76	10.733	10.732	(0.920)	303885	10.0000	9.7
66 1,2-Dibromoethane	107	11.164	11.149	(0.957)	325158	10.0000	9.5
65 Butyl Acetate	43	10.926	10.911	(0.936)	442187	20.0000	20
34 2-Hexanone	43	10.822	10.792	(0.927)	50453	10.0000	6.8
* 32 Chlorobenzene-d5	117	11.669	11.669	(1.000)	2591448	50.0000	
39 Chlorobenzene	112	11.699	11.698	(1.003)	471221	10.0000	9.9
40 Ethylbenzene	106	11.803	11.803	(1.011)	211788	10.0000	9.7
97 1,1,1,2-Tetrachloroethane	131	11.773	11.773	(1.009)	265766	10.0000	9.7
43 m+p-Xylene	106	11.922	11.921	(1.022)	540840	20.0000	20
44 o-Xylene	106	12.353	12.352	(1.059)	243874	10.0000	9.8

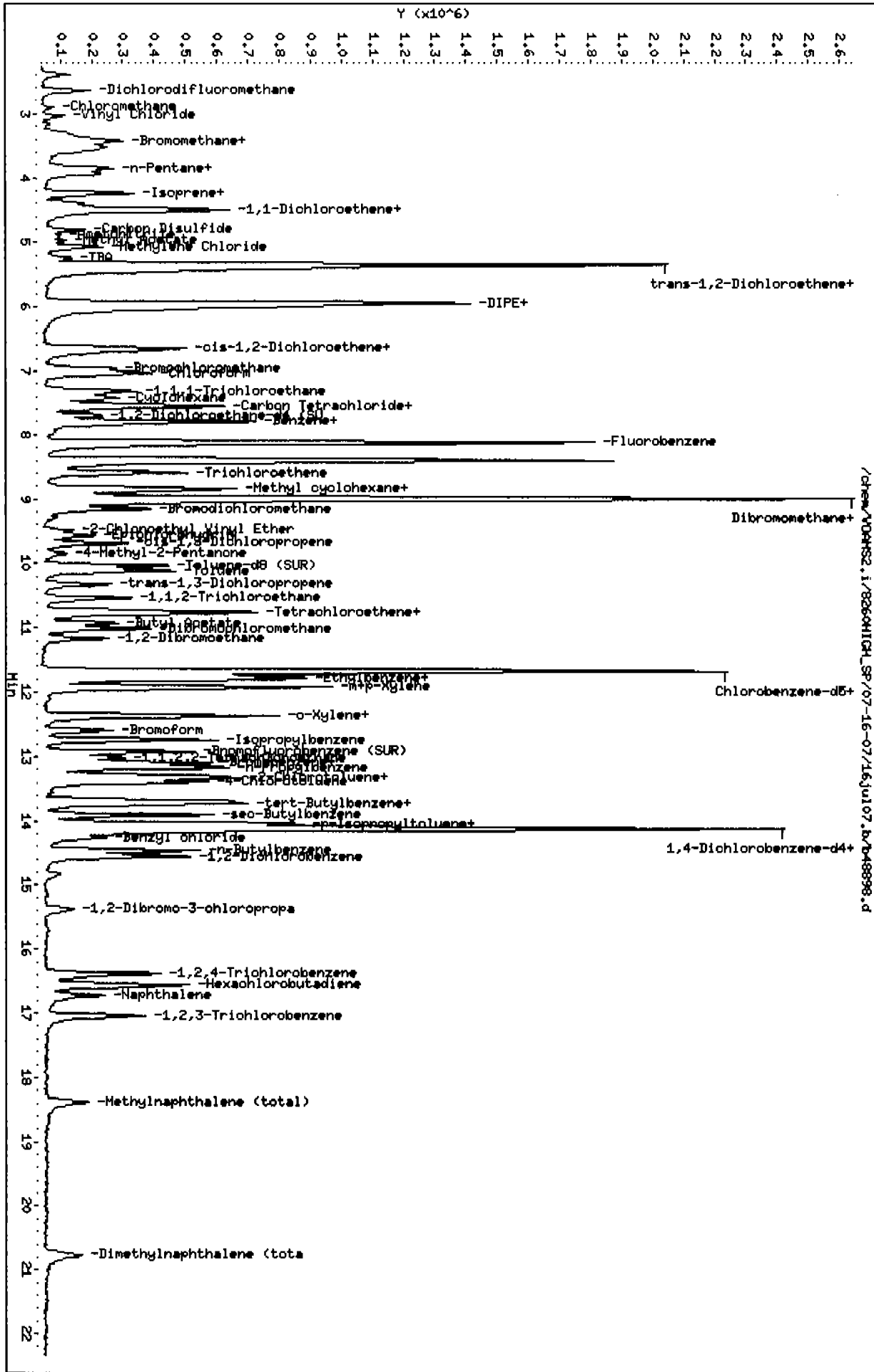
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
42 Styrene	104	12.368	12.367	(1.060)	390747	10.0000	9.4
31 Bromoform	173	12.591	12.590	(1.079)	231079	10.0000	8.7
110 Isopropylbenzene	105	12.739	12.739	(1.092)	777932	10.0000	9.7
\$ 41 Bromofluorobenzene (SUR)	174	12.933	12.917	(0.916)	308722	10.0000	12
107 Bromobenzene	156	13.111	13.110	(0.928)	264355	10.0000	10
112 n-Propylbenzene	91	13.170	13.170	(0.933)	843159	10.0000	9.9
36 1,1,2,2-Tetrachloroethane	83	13.022	13.021	(0.922)	226967	10.0000	9.5
105 2-Chlorotoluene	91	13.289	13.289	(0.941)	485763	10.0000	10
99 1,2,3-Trichloropropane	110	13.081	13.081	(0.926)	75445	10.0000	10
102 1,3,5-Trimethylbenzene	105	13.334	13.333	(0.944)	645668	10.0000	10
106 4-Chlorotoluene	91	13.393	13.393	(0.948)	708999	10.0000	10
115 tert-Butylbenzene	119	13.676	13.690	(0.968)	643045	10.0000	10
100 1,2,4-Trimethylbenzene	105	13.720	13.720	(0.972)	623987	10.0000	10
114 sec-Butylbenzene	105	13.899	13.898	(0.984)	800854	10.0000	10
113 p-Isopropyltoluene	119	14.032	14.032	(0.994)	690475	10.0000	10
67 1,3-Dichlorobenzene	146	14.062	14.062	(0.996)	385738	10.0000	11
* 91 1,4-Dichlorobenzene-d4	152	14.122	14.121	(1.000)	1283130	50.0000	
68 1,4-Dichlorobenzene	146	14.136	14.136	(1.001)	448217	10.0000	10
117 Benzyl chloride	91	14.255	14.255	(1.009)	227155	10.0000	6.5
111 n-Butylbenzene	91	14.463	14.463	(1.024)	640825	10.0000	10
69 1,2-Dichlorobenzene	146	14.553	14.552	(1.031)	424564	10.0000	11
101 1,2-Dibromo-3-chloropropane	75	15.370	15.369	(1.088)	58392	10.0000	9.8
94 Hexachlorobutadiene	225	16.559	16.573	(1.173)	271265	10.0000	10
93 1,2,4-Trichlorobenzene	180	16.381	16.380	(1.160)	312199	10.0000	10
70 Naphthalene	128	16.722	16.722	(1.184)	430373	10.0000	10
98 1,2,3-Trichlorobenzene	180	17.035	17.049	(1.206)	288431	10.0000	10
71 Methylnaphthalene (total)	142	18.372	18.371	(1.301)	277149	10.0000	11
72 Dimethylnaphthalene (total)	156	20.765	20.779	(1.470)	159072	10.0000	11
M 14 1,2-Dichloroethene (total)	100				445147	20.0000	20
M 45 Xylene (Total)	100				784714	30.0000	29

Data File: /chem/VO04HS2.i/8260HIGH.SP/07-16-07/16jul07.bv048898.d  
Date: 16-JUL-2007 13:06  
Client ID:  
Sample Info: ESTD010  
Purge Volume: 5.0  
Column Phase: Rtx-VHS

Purge Volume: 5.0  
Column Phase: Rtx-VHS

Operator: VO04HS 3  
Column diameter: 0.18

Instrument: VO04HS2.1



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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/b48900.d  
 Lab Smp Id: BSTD020  
 Inj Date : 16-JUL-2007 14:05  
 Operator : VOAMS 3  
 Smp Info : BSTD020  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/8260H\_06.m  
 Meth Date : 17-Aug-2007 14:35 vibha  
 Cal Date : 16-JUL-2007 14:05  
 Als bottle: 15  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i  
 Quant Type: ISTD  
 Cal File: b48900.d  
 Calibration Sample, Level: 3  
 Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

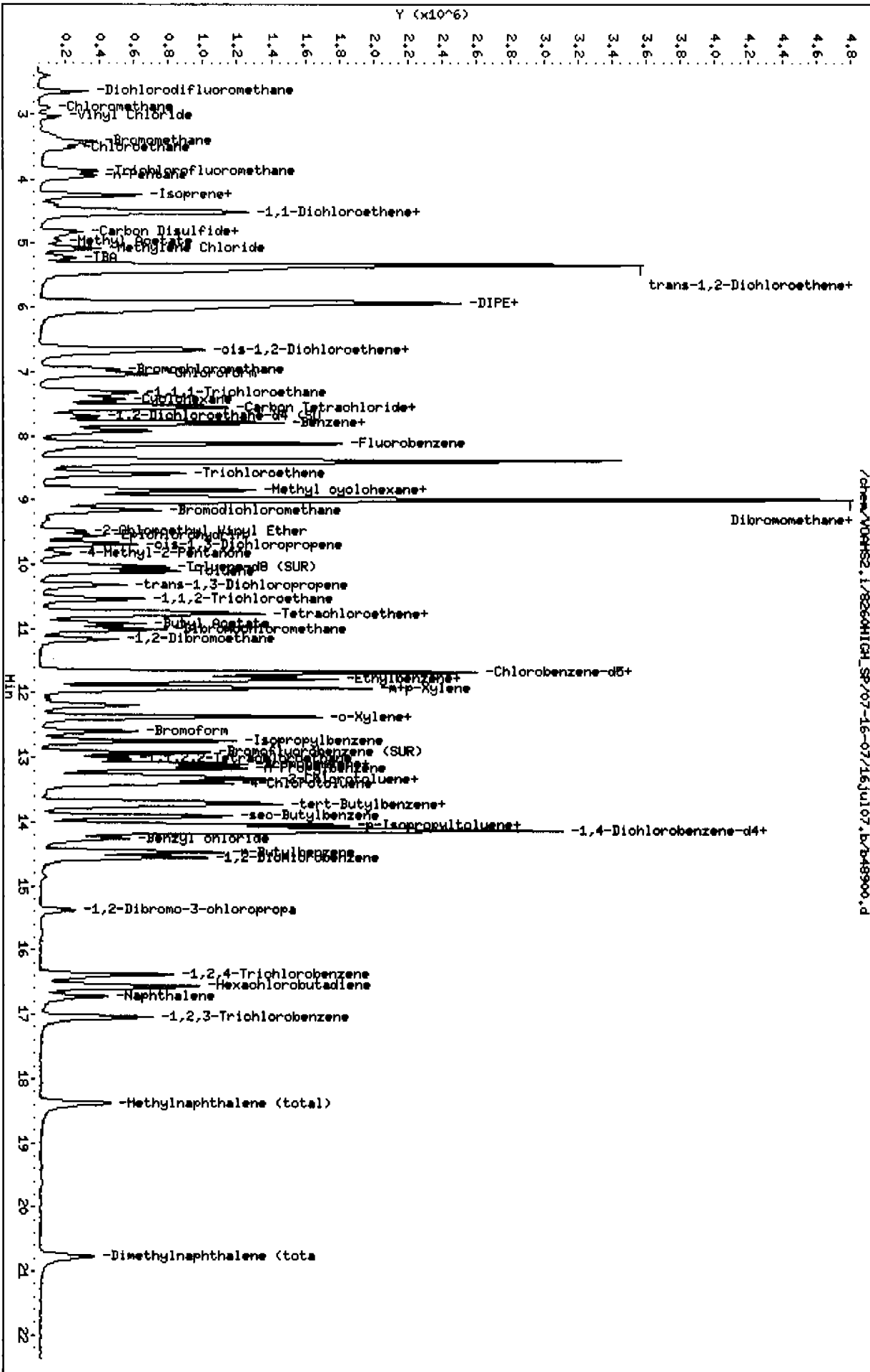
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85		2.647	2.648	(0.326)	538912	20.0000	18
1 Chloromethane	50		2.899	2.900	(0.357)	130530	20.0000	20
4 Vinyl Chloride	62		3.033	3.034	(0.374)	222317	20.0000	17
3 Bromomethane	94		3.419	3.420	(0.421)	239833	20.0000	17
5 Chloroethane	64		3.523	3.524	(0.434)	148454	20.0000	17
121 n-Pentane	72		3.954	3.941	(0.487)	64141	20.0000	20
9 Trichlorofluoromethane	101		3.880	3.851	(0.478)	793311	20.0000	19
119 Isoprene	67		4.252	4.238	(0.524)	349013	20.0000	20
46 Ethyl Ether	59		4.252	4.253	(0.524)	244883	20.0000	21
10 1,1-Dichloroethene	96		4.519	4.505	(0.557)	339778	20.0000	19
8 Carbon Disulfide	76		4.816	4.803	(0.593)	798660	20.0000	19
48 Freon TF	101		4.504	4.490	(0.555)	945989	20.0000	21
6 Methylene Chloride	84		5.084	5.070	(0.626)	350686	20.0000	20
7 Acetone	58		4.593	4.595	(0.566)	33707	20.0000	27
12 trans-1,2-Dichloroethene	96		5.426	5.412	(0.669)	433885	20.0000	20
131 Methyl Acetate	43		4.980	4.966	(0.614)	321796	20.0000	21
53 MTBE	73		5.426	5.427	(0.669)	1078441	20.0000	22

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
51 TBA	59	5.218	5.234	(0.643)	529748	400.000	460
50 Acetonitrile	41	4.891	4.892	(0.603)	248505	400.000	420
55 DIPE	45	6.005	5.992	(0.740)	1246385	20.0000	22
11 1,1-Dichloroethane	63	5.931	5.917	(0.731)	653463	20.0000	20
57 Vinyl Acetate	43	5.976	5.977	(0.736)	1355500	20.0000	24
13 cis-1,2-Dichloroethene	96	6.644	6.645	(0.819)	417926	20.0000	20
104 2,2-Dichloropropane	77	6.659	6.645	(0.821)	772908	20.0000	20
59 Cyclohexane	56	7.432	7.418	(0.916)	539023	20.0000	21
108 Bromochloromethane	128	6.957	6.958	(0.857)	314390	20.0000	20
15 Chloroform	83	7.031	7.032	(0.866)	1073001	20.0000	21
21 Carbon Tetrachloride	117	7.566	7.552	(0.932)	833879	20.0000	19
20 1,1,1-Trichloroethane	97	7.328	7.314	(0.903)	901747	20.0000	20
56 Ethyl Acetate	70	6.704	6.705	(0.826)	100524	40.0000	42
92 1,1-Dichloropropene	75	7.536	7.522	(0.929)	653243	20.0000	20
18 2-Butanone	72	6.659	6.645	(0.821)	31783	20.0000	19
28 Benzene	78	7.804	7.790	(0.962)	970952	20.0000	20
§ 16 1,2-Dichloroethane-d4 (SUR)	65	7.685	7.686	(0.947)	557976	20.0000	21
17 1,2-Dichloroethane	62	7.789	7.775	(0.960)	686602	20.0000	21
* 19 Fluorobenzene	96	8.116	8.117	(1.000)	3202454	50.0000	
61 Isopropyl Acetate	43	7.789	7.790	(0.960)	1482609	40.0000	46
132 Methyl cyclohexane	83	8.859	8.845	(1.092)	621956	20.0000	22
25 Trichloroethene	95	8.591	8.592	(1.059)	556003	20.0000	20
109 Dibromomethane	93	8.993	8.994	(1.108)	472185	20.0000	21
23 1,2-Dichloropropane	63	8.844	8.845	(1.090)	391108	20.0000	19
22 Bromodichloromethane	83	9.156	9.157	(1.128)	865865	20.0000	19
120 Methyl methacrylate	69	8.933	8.934	(1.101)	271862	20.0000	22
64 Propyl Acetate	43	8.993	8.994	(1.108)	2688598	40.0000	56
30 2-Chloroethyl Vinyl Ether	63	9.468	9.469	(1.167)	258721	20.0000	21
24 cis-1,3-Dichloropropene	75	9.691	9.677	(1.194)	641433	20.0000	20
§ 37 Toluene-d8 (SUR)	98	10.033	10.019	(0.860)	1017688	20.0000	20
38 Toluene	91	10.107	10.108	(0.866)	1209836	20.0000	19
118 Epichlorohydrin	57	9.557	9.558	(1.178)	689523	400.000	440
35 Tetrachloroethene	166	10.761	10.762	(0.922)	687542	20.0000	19
33 4-Methyl-2-Pentanone	43	9.840	9.826	(1.212)	264144	20.0000	23
29 trans-1,3-Dichloropropene	75	10.315	10.301	(0.884)	574774	20.0000	19
27 1,1,2-Trichloroethane	83	10.538	10.524	(0.903)	336296	20.0000	21
26 Dibromochloromethane	129	11.014	11.000	(0.944)	772049	20.0000	20
103 1,3-Dichloropropane	76	10.731	10.732	(0.920)	614344	20.0000	20
66 1,2-Dibromoethane	107	11.162	11.149	(0.957)	671183	20.0000	20
65 Butyl Acetate	43	10.910	10.911	(0.935)	1049198	40.0000	46
34 2-Hexanone	43	10.791	10.792	(0.925)	150470	20.0000	20
* 32 Chlorobenzene-d5	117	11.668	11.669	(1.000)	2535244	50.0000	
39 Chlorobenzene	112	11.697	11.698	(1.003)	917475	20.0000	19
40 Ethylbenzene	106	11.801	11.803	(1.011)	429281	20.0000	20
97 1,1,1,2-Tetrachloroethane	131	11.772	11.773	(1.009)	555093	20.0000	20
43 m+p-Xylene	106	11.920	11.921	(1.022)	1081882	40.0000	39
44 o-Xylene	106	12.351	12.352	(1.059)	503422	20.0000	20

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
42 Styrene	104	12.366	12.367	(1.060)	835177	20.0000	20
31 Bromoform	173	12.589	12.590	(1.079)	558054	20.0000	21
110 Isopropylbenzene	105	12.738	12.739	(1.092)	1582211	20.0000	20
§ 41 Bromofluorobenzene (SUR)	174	12.931	12.917	(0.916)	609240	20.0000	20
107 Bromobenzene	156	13.109	13.110	(0.928)	564260	20.0000	20
112 n-Propylbenzene	91	13.169	13.170	(0.933)	1758223	20.0000	18
36 1,1,2,2-Tetrachloroethane	83	13.020	13.021	(0.922)	496681	20.0000	19
105 2-Chlorotoluene	91	13.288	13.289	(0.941)	1043954	20.0000	19
99 1,2,3-Trichloropropane	110	13.080	13.081	(0.926)	168232	20.0000	20
102 1,3,5-Trimethylbenzene	105	13.332	13.333	(0.944)	1314295	20.0000	19
106 4-Chlorotoluene	91	13.392	13.393	(0.948)	1453885	20.0000	19
115 tert-Butylbenzene	119	13.689	13.690	(0.969)	1336455	20.0000	19
100 1,2,4-Trimethylbenzene	105	13.719	13.720	(0.972)	1288266	20.0000	19
114 sec-Butylbenzene	105	13.897	13.898	(0.984)	1669249	20.0000	19
113 p-Isopropyltoluene	119	14.031	14.032	(0.994)	1475969	20.0000	19
67 1,3-Dichlorobenzene	146	14.060	14.062	(0.996)	807468	20.0000	20
* 91 1,4-Dichlorobenzene-d4	152	14.120	14.121	(1.000)	1424553	50.0000	
68 1,4-Dichlorobenzene	146	14.135	14.136	(1.001)	971596	20.0000	20
117 Benzyl chloride	91	14.254	14.255	(1.009)	714165	20.0000	18
111 n-Butylbenzene	91	14.462	14.463	(1.024)	1387646	20.0000	19
69 1,2-Dichlorobenzene	146	14.551	14.552	(1.031)	875288	20.0000	20
101 1,2-Dibromo-3-chloropropane	75	15.368	15.369	(1.088)	144179	20.0000	21
94 Hexachlorobutadiene	225	16.572	16.573	(1.174)	559741	20.0000	19
93 1,2,4-Trichlorobenzene	180	16.379	16.380	(1.160)	665117	20.0000	20
70 Naphthalene	128	16.721	16.722	(1.184)	903105	20.0000	20
98 1,2,3-Trichlorobenzene	180	17.048	17.049	(1.207)	573342	20.0000	19
71 Methylnaphthalene (total)	142	18.385	18.371	(1.302)	711988	20.0000	24
72 Dimethylnaphthalene (total)	156	20.763	20.779	(1.470)	397036	20.0000	24
M 14 1,2-Dichloroethene (total)	100				851811	40.0000	40
M 45 Xylene (Total)	100				1585304	60.0000	59

Data File: /chem/VOHHS2.1/8260HIGH\_SP/07-16-07/16Jul07.b/b48900.d  
 Date: 16-JUL-2007 14:05  
 Client ID:  
 Sample Info: BSTD020  
 Purge Volume: 5.0  
 Column Phase: Rtx-UHS

Instrument: VOHHS2.1  
 Operator: VOHHS 3  
 Column diameter: 0.18





Data File: /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/b48899.d  
 Report Date: 20-Aug-2007 16:37

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/b48899.d  
 Lab Smp Id: BSTD050  
 Inj Date : 16-JUL-2007 13:36  
 Operator : VOAMS 3  
 Smp Info : BSTD050  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/8260H\_06.m  
 Meth Date : 17-Aug-2007 14:35 vibha  
 Cal Date : 16-JUL-2007 13:36  
 Als bottle: 14  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i  
 Quant Type: ISTD  
 Cal File: b48899.d  
 Calibration Sample, Level: 4  
 Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85	2.648	2.648	(0.326)	1747909	50.0000	60
1 Chloromethane	50	2.900	2.900	(0.357)	426778	50.0000	64
4 Vinyl Chloride	62	3.034	3.034	(0.374)	733060	50.0000	58
3 Bromomethane	94	3.420	3.420	(0.421)	750365	50.0000	58
5 Chloroethane	64	3.524	3.524	(0.434)	458325	50.0000	57
121 n-Pentane	72	3.941	3.941	(0.485)	159686	50.0000	50
9 Trichlorofluoromethane	101	3.851	3.851	(0.474)	2714271	50.0000	65
119 Isoprene	67	4.238	4.238	(0.522)	911102	50.0000	53
46 Ethyl Ether	59	4.253	4.253	(0.524)	609372	50.0000	51
10 1,1-Dichloroethene	96	4.505	4.505	(0.555)	890119	50.0000	49
8 Carbon Disulfide	76	4.803	4.803	(0.592)	2175907	50.0000	52
48 Freon TF	101	4.490	4.490	(0.553)	2405771	50.0000	53
6 Methylene Chloride	84	5.070	5.070	(0.625)	900160	50.0000	50
7 Acetone	58	4.595	4.595	(0.566)	64633	50.0000	56
12 trans-1,2-Dichloroethene	96	5.412	5.412	(0.667)	1150768	50.0000	51
131 Methyl Acetate	43	4.966	4.966	(0.612)	804633	50.0000	52
53 MTBE	73	5.427	5.427	(0.669)	2583267	50.0000	52

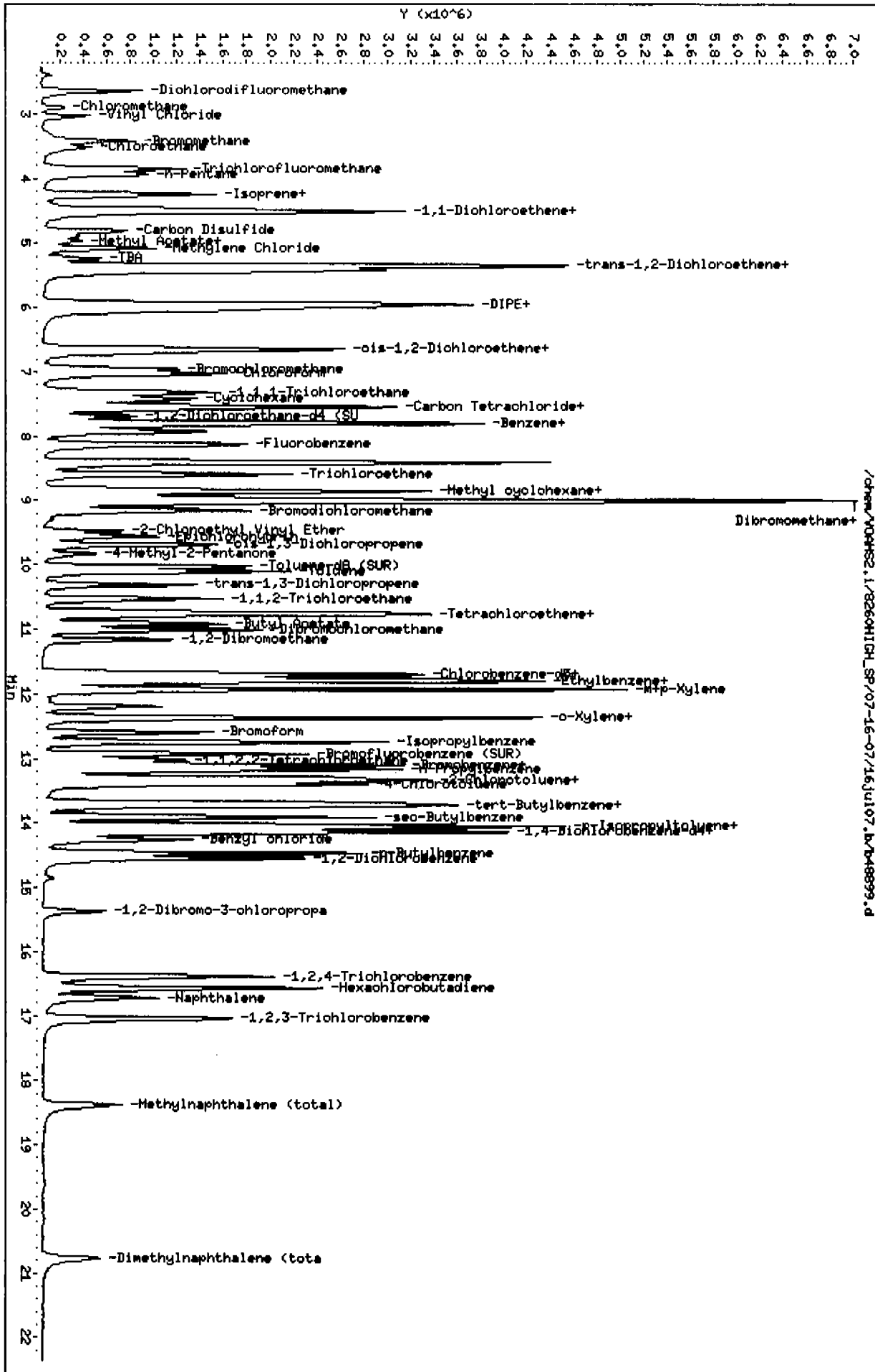
Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
51 TBA	59	5.234	5.234	(0.645)	1220005	1000.00	1100
50 Acetonitrile	41	4.892	4.892	(0.603)	658036	1000.00	1100
55 DIPE	45	5.992	5.992	(0.738)	3093155	50.0000	54
11 1,1-Dichloroethane	63	5.917	5.917	(0.729)	1690774	50.0000	51
57 Vinyl Acetate	43	5.977	5.977	(0.736)	2790276	50.0000	51
13 cis-1,2-Dichloroethene	96	6.645	6.645	(0.819)	1078428	50.0000	51
104 2,2-Dichloropropane	77	6.645	6.645	(0.819)	2058730	50.0000	53
59 Cyclohexane	56	7.418	7.418	(0.914)	1390612	50.0000	54
108 Bromochloromethane	128	6.958	6.958	(0.857)	801119	50.0000	51
15 Chloroform	83	7.032	7.032	(0.866)	2562928	50.0000	50
21 Carbon Tetrachloride	117	7.552	7.552	(0.930)	2221666	50.0000	51
20 1,1,1-Trichloroethane	97	7.314	7.314	(0.901)	2340136	50.0000	52
56 Ethyl Acetate	70	6.705	6.705	(0.826)	250138	100.000	100
92 1,1-Dichloropropene	75	7.522	7.522	(0.927)	1720629	50.0000	51
18 2-Butanone	72	6.645	6.645	(0.819)	83354	50.0000	50
28 Benzene	78	7.790	7.790	(0.960)	2557721	50.0000	51
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.686	7.686	(0.947)	1270965	50.0000	48
17 1,2-Dichloroethane	62	7.775	7.775	(0.958)	1716467	50.0000	52
* 19 Fluorobenzene	96	8.117	8.117	(1.000)	3236655	50.0000	
61 Isopropyl Acetate	43	7.790	7.790	(0.960)	3639561	100.000	110
132 Methyl cyclohexane	83	8.845	8.845	(1.090)	1585731	50.0000	55
25 Trichloroethene	95	8.592	8.592	(1.059)	1466808	50.0000	52
109 Dibromomethane	93	8.994	8.994	(1.108)	1140569	50.0000	51
23 1,2-Dichloropropane	63	8.845	8.845	(1.090)	1007395	50.0000	49
22 Bromodichloromethane	83	9.157	9.157	(1.128)	2280071	50.0000	50
120 Methyl methacrylate	69	8.934	8.934	(1.101)	665968	50.0000	56
64 Propyl Acetate	43	8.994	8.994	(1.108)	4471516	100.000	110
30 2-Chloroethyl Vinyl Ether	63	9.469	9.469	(1.167)	609795	50.0000	50
24 cis-1,3-Dichloropropene	75	9.677	9.677	(1.192)	1661156	50.0000	52
\$ 37 Toluene-d8 (SUR)	98	10.019	10.019	(0.859)	2367101	50.0000	51
38 Toluene	91	10.108	10.108	(0.866)	3146497	50.0000	54
118 Epichlorohydrin	57	9.558	9.558	(1.178)	1812606	1000.00	1200
35 Tetrachloroethene	166	10.762	10.762	(0.922)	1809290	50.0000	53
33 4-Methyl-2-Pentanone	43	9.826	9.826	(1.211)	631656	50.0000	57
29 trans-1,3-Dichloropropene	75	10.301	10.301	(0.883)	1473449	50.0000	53
27 1,1,2-Trichloroethane	83	10.524	10.524	(0.902)	792723	50.0000	54
26 Dibromochloromethane	129	11.000	11.000	(0.943)	1990264	50.0000	56
103 1,3-Dichloropropane	76	10.732	10.732	(0.920)	1497277	50.0000	53
66 1,2-Dibromoethane	107	11.149	11.149	(0.955)	1664945	50.0000	53
65 Butyl Acetate	43	10.911	10.911	(0.935)	2419066	100.000	120
34 2-Hexanone	43	10.792	10.792	(0.925)	369563	50.0000	55
* 32 Chlorobenzene-d5	117	11.669	11.669	(1.000)	2325387	50.0000	
39 Chlorobenzene	112	11.698	11.698	(1.003)	2344387	50.0000	54
40 Ethylbenzene	106	11.803	11.803	(1.011)	1086953	50.0000	54
97 1,1,1,2-Tetrachloroethane	131	11.773	11.773	(1.009)	1358488	50.0000	54
43 m+p-Xylene	106	11.921	11.921	(1.022)	2774238	100.000	110
44 o-Xylene	106	12.352	12.352	(1.059)	1265677	50.0000	55

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
42 Styrene	104	12.367	12.367	(1.060)	2117244	50.0000	55
31 Bromoform	173	12.590	12.590	(1.079)	1402365	50.0000	57
110 Isopropylbenzene	105	12.739	12.739	(1.092)	4071186	50.0000	55
\$ 41 Bromofluorobenzene (SUR)	174	12.917	12.917	(0.915)	1297221	50.0000	48
107 Bromobenzene	156	13.110	13.110	(0.928)	1367836	50.0000	52
112 n-Propylbenzene	91	13.170	13.170	(0.933)	4599794	50.0000	53
36 1,1,2,2-Tetrachloroethane	83	13.021	13.021	(0.922)	1201241	50.0000	50
105 2-Chlorotoluene	91	13.289	13.289	(0.941)	2567052	50.0000	52
99 1,2,3-Trichloropropane	110	13.081	13.081	(0.926)	399072	50.0000	52
102 1,3,5-Trimethylbenzene	105	13.333	13.333	(0.944)	3332731	50.0000	53
106 4-Chlorotoluene	91	13.393	13.393	(0.948)	3583010	50.0000	52
115 tert-Butylbenzene	119	13.690	13.690	(0.969)	3302089	50.0000	52
100 1,2,4-Trimethylbenzene	105	13.720	13.720	(0.972)	3169970	50.0000	52
114 sec-Butylbenzene	105	13.898	13.898	(0.984)	4239934	50.0000	52
113 p-Isopropyltoluene	119	14.032	14.032	(0.994)	3683731	50.0000	53
67 1,3-Dichlorobenzene	146	14.062	14.062	(0.996)	1991259	50.0000	54
* 91 1,4-Dichlorobenzene-d4	152	14.121	14.121	(1.000)	1290497	50.0000	
68 1,4-Dichlorobenzene	146	14.136	14.136	(1.001)	2301391	50.0000	51
117 Benzyl chloride	91	14.255	14.255	(1.009)	1783062	50.0000	51
111 n-Butylbenzene	91	14.463	14.463	(1.024)	3480348	50.0000	53
69 1,2-Dichlorobenzene	146	14.552	14.552	(1.031)	1963073	50.0000	51
101 1,2-Dibromo-3-chloropropane	75	15.369	15.369	(1.088)	340226	50.0000	55
94 Hexachlorobutadiene	225	16.573	16.573	(1.174)	1395169	50.0000	52
93 1,2,4-Trichlorobenzene	180	16.380	16.380	(1.160)	1606361	50.0000	52
70 Naphthalene	128	16.722	16.722	(1.184)	2190402	50.0000	52
98 1,2,3-Trichlorobenzene	180	17.049	17.049	(1.207)	1388147	50.0000	50
71 Methyl-naphthalene (total)	142	18.371	18.371	(1.301)	1168901	50.0000	46
72 Dimethyl-naphthalene (total)	156	20.779	20.779	(1.472)	750081	50.0000	52
M 14 1,2-Dichloroethane (total)	100				2229196	100.000	100
M 45 Xylene (Total)	100				4039915	150.000	160

Data File: /chem/V04HS2.1/8260HIGH\_SP/07-16-07/16Jul07.bv/b48899.d  
 Date: 16-JUL-2007 13:36

Client ID:  
 Sample Info: BSTD050  
 Purge Volume: 5.0  
 Column Phase: Rtx-VHS

Instrument: V04HS2.1  
 Operator: V04HS 3  
 Column diameter: 0.18



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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/b48895.d  
 Lab Smp Id: BSTD100  
 Inj Date : 16-JUL-2007 11:37  
 Operator : VOAMS 3  
 Smp Info : BSTD100  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/8260H\_06.m  
 Meth Date : 17-Aug-2007 14:35 vibha  
 Cal Date : 16-JUL-2007 11:37  
 Als bottle: 16  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i  
 Quant Type: ISTD  
 Cal File: b48895.d  
 Calibration Sample, Level: 5  
 Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

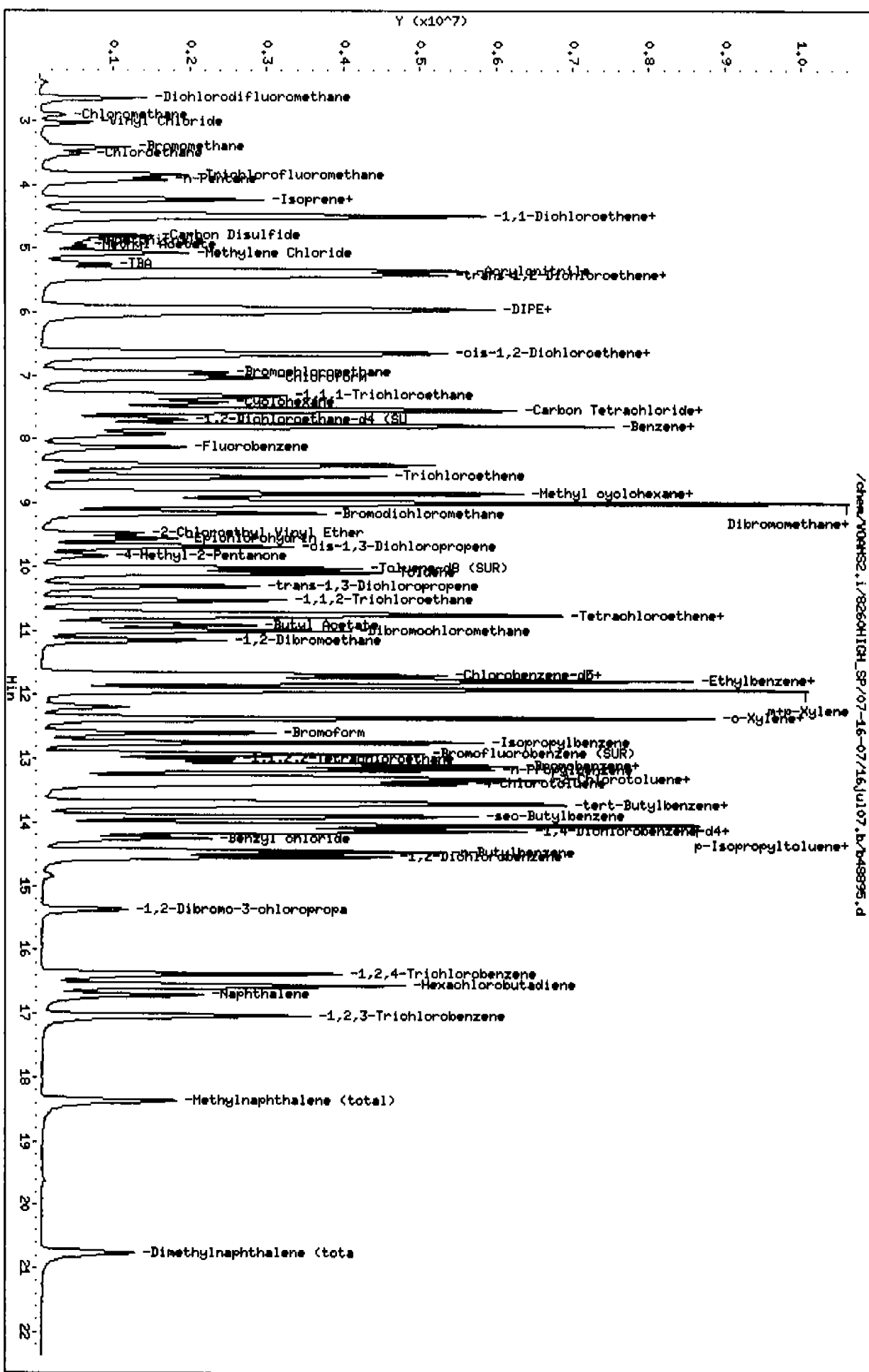
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85	2.648	2.648	(0.326)	2678130	100.000	99
1 Chloromethane	50	2.915	2.900	(0.359)	691184	100.000	100
4 Vinyl Chloride	62	3.034	3.034	(0.374)	1180846	100.000	100
3 Bromomethane	94	3.420	3.420	(0.421)	1175400	100.000	100
5 Chloroethane	64	3.510	3.524	(0.432)	746012	100.000	100
121 n-Pentane	72	3.941	3.941	(0.485)	301868	100.000	91
9 Trichlorofluoromethane	101	3.851	3.851	(0.474)	4339324	100.000	100
119 Isoprene	67	4.238	4.238	(0.522)	1745917	100.000	98
46 Ethyl Ether	59	4.253	4.253	(0.524)	1171043	100.000	95
10 1,1-Dichloroethene	96	4.505	4.505	(0.555)	1873135	100.000	98
8 Carbon Disulfide	76	4.803	4.803	(0.592)	4429175	100.000	99
48 Freon TF	101	4.490	4.490	(0.553)	4474762	100.000	94
6 Methylene Chloride	84	5.070	5.070	(0.625)	1883979	100.000	100
7 Acetone	58	4.595	4.595	(0.566)	107202	100.000	100
12 trans-1,2-Dichloroethene	96	5.412	5.412	(0.667)	2262020	100.000	97
131 Methyl Acetate	43	4.966	4.966	(0.612)	1333356	100.000	85
53 MTBE	73	5.427	5.427	(0.669)	4966697	100.000	98

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
51 TBA	59	5.248	5.234	(0.647)	2284802	2000.00	2000
50 Acetonitrile	41	4.892	4.892	(0.603)	1185853	2000.00	2000
55 DIPE	45	5.992	5.992	(0.738)	5775694	100.000	100
11 1,1-Dichloroethane	63	5.917	5.917	(0.729)	3545925	100.000	100
57 Vinyl Acetate	43	5.962	5.977	(0.734)	5430272	100.000	100
13 cis-1,2-Dichloroethane	96	6.645	6.645	(0.819)	2231394	100.000	100
104 2,2-Dichloropropane	77	6.645	6.645	(0.819)	4356782	100.000	100
59 Cyclohexane	56	7.418	7.418	(0.914)	2589289	100.000	97
108 Bromochloromethane	128	6.958	6.958	(0.857)	1648836	100.000	100
15 Chloroform	83	7.032	7.032	(0.866)	5014699	100.000	96
21 Carbon Tetrachloride	117	7.552	7.552	(0.930)	4738110	100.000	100
20 1,1,1-Trichloroethane	97	7.314	7.314	(0.901)	5007371	100.000	110
56 Ethyl Acetate	70	6.705	6.705	(0.826)	457299	200.000	190
92 1,1-Dichloropropene	75	7.522	7.522	(0.927)	3674858	100.000	100
18 2-Butanone	72	6.645	6.645	(0.819)	156878	100.000	86
28 Benzene	78	7.790	7.790	(0.960)	5379858	100.000	100
§ 16 1,2-Dichloroethane-d4 (SUR)	65	7.686	7.686	(0.947)	2951947	100.000	110
17 1,2-Dichloroethane	62	7.775	7.775	(0.958)	3616618	100.000	110
* 19 Fluorobenzene	96	8.117	8.117	(1.000)	3409091	50.0000	
61 Isopropyl Acetate	43	7.790	7.790	(0.960)	6574509	200.000	210
132 Methyl cyclohexane	83	8.845	8.845	(1.090)	2865543	100.000	97
25 Trichloroethene	95	8.578	8.592	(1.057)	3065871	100.000	100
109 Dibromomethane	93	8.994	8.994	(1.108)	2372717	100.000	100
23 1,2-Dichloropropane	63	8.830	8.845	(1.088)	2097164	100.000	97
22 Bromodichloromethane	83	9.157	9.157	(1.128)	4918445	100.000	100
120 Methyl methacrylate	69	8.934	8.934	(1.101)	1203961	100.000	100
64 Propyl Acetate	43	8.994	8.994	(1.108)	6820596	200.000	200
30 2-Chloroethyl Vinyl Ether	63	9.469	9.469	(1.167)	1175678	100.000	92
24 cis-1,3-Dichloropropene	75	9.677	9.677	(1.192)	3540713	100.000	100
§ 37 Toluene-d8 (SUR)	98	10.019	10.019	(0.859)	5316027	100.000	110
38 Toluene	91	10.093	10.108	(0.865)	6440468	100.000	100
118 Epichlorohydrin	57	9.558	9.558	(1.178)	3258306	2000.00	2100
35 Tetrachloroethene	166	10.762	10.762	(0.922)	3660507	100.000	100
33 4-Methyl-2-Pentanone	43	9.826	9.826	(1.211)	1165648	100.000	100
29 trans-1,3-Dichloropropene	75	10.301	10.301	(0.883)	3152397	100.000	100
27 1,1,2-Trichloroethane	83	10.524	10.524	(0.902)	1628541	100.000	100
26 Dibromochloromethane	129	11.000	11.000	(0.943)	4152306	100.000	110
103 1,3-Dichloropropane	76	10.718	10.732	(0.918)	3127446	100.000	100
66 1,2-Dibromoethane	107	11.149	11.149	(0.955)	3509441	100.000	100
65 Butyl Acetate	43	10.911	10.911	(0.935)	4298772	200.000	200
34 2-Hexanone	43	10.777	10.792	(0.924)	694380	100.000	97
* 32 Chlorobenzene-d5	117	11.669	11.669	(1.000)	2494430	50.0000	
39 Chlorobenzene	112	11.698	11.698	(1.003)	4701071	100.000	100
40 Ethylbenzene	106	11.803	11.803	(1.011)	2213530	100.000	100
97 1,1,1,2-Tetrachloroethane	131	11.773	11.773	(1.009)	2811584	100.000	110
43 m+p-Xylene	106	11.921	11.921	(1.022)	5531328	200.000	210
44 o-Xylene	106	12.352	12.352	(1.059)	2479705	100.000	100

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						MASS	ON-COL
	-----	---	-----	-----	-----	( ug/L)	( ug/L)
42 Styrene	104	12.367	12.367	(1.060)	4255560	100.000	100
31 Bromoform	173	12.590	12.590	(1.079)	2923989	100.000	110
110 Isopropylbenzene	105	12.739	12.739	(1.092)	8102001	100.000	100
# 41 Bromofluorobenzene (SUR)	174	12.917	12.917	(0.915)	2789461	100.000	110
107 Bromobenzene	156	13.096	13.110	(0.927)	2649246	100.000	100
112 n-Propylbenzene	91	13.170	13.170	(0.933)	8931468	100.000	100
36 1,1,2,2-Tetrachloroethane	83	13.006	13.021	(0.921)	2424857	100.000	97
105 2-Chlorotoluene	91	13.289	13.289	(0.941)	5205720	100.000	100
99 1,2,3-Trichloropropane	110	13.081	13.081	(0.926)	806600	100.000	100
102 1,3,5-Trimethylbenzene	105	13.333	13.333	(0.944)	6456914	100.000	100
106 4-Chlorotoluene	91	13.393	13.393	(0.948)	6973625	100.000	100
115 tert-Butylbenzene	119	13.675	13.690	(0.968)	6491934	100.000	100
100 1,2,4-Trimethylbenzene	105	13.720	13.720	(0.972)	6212374	100.000	100
114 sec-Butylbenzene	105	13.898	13.898	(0.984)	8435322	100.000	100
113 p-Isopropyltoluene	119	14.032	14.032	(0.994)	7146395	100.000	100
67 1,3-Dichlorobenzene	146	14.047	14.062	(0.995)	3555395	100.000	100
* 91 1,4-Dichlorobenzene-d4	152	14.121	14.121	(1.000)	1323424	50.0000	
68 1,4-Dichlorobenzene	146	14.136	14.136	(1.001)	4757098	100.000	100
117 Benzyl chloride	91	14.255	14.255	(1.009)	3252557	100.000	90
111 n-Butylbenzene	91	14.463	14.463	(1.024)	6850488	100.000	100
69 1,2-Dichlorobenzene	146	14.537	14.552	(1.029)	3810361	100.000	100
101 1,2-Dibromo-3-chloropropane	75	15.369	15.369	(1.088)	703730	100.000	110
94 Hexachlorobutadiene	225	16.558	16.573	(1.173)	2769483	100.000	100
93 1,2,4-Trichlorobenzene	180	16.380	16.380	(1.160)	3256785	100.000	100
70 Naphthalene	128	16.707	16.722	(1.183)	4502731	100.000	110
98 1,2,3-Trichlorobenzene	180	17.034	17.049	(1.206)	2878360	100.000	100
71 Methylnaphthalene (total)	142	18.371	18.371	(1.301)	2846463	100.000	110
72 Dimethylnaphthalene (total)	156	20.764	20.779	(1.470)	1717304	100.000	120
M 14 1,2-Dichloroethene (total)	100				4493414	200.000	200
M 45 Xylene (Total)	100				8011033	300.000	310

Data File: /chem/V04HHS2.1/8260HIGH\_SP/07-16-07/16jul07.b/b48895.d  
 Date: 16-JUL-2007 14:37  
 Client ID:  
 Sample Info: BSTDH00  
 Purge Volume: 5.0  
 Column phase: RTX-VMS

Instrument: V04HHS2.1  
 Operator: V04HHS 3  
 Column diameter: 0.18





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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/b48894.d  
 Lab Smp Id: BSTD200  
 Inj Date : 16-JUL-2007 11:07  
 Operator : VOAMS 3  
 Smp Info : BSTD200  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/16jul07.b/8260H\_06.m  
 Meth Date : 17-Aug-2007 14:35 vibha  
 Cal Date : 16-JUL-2007 11:07  
 Als bottle: 15  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i

Quant Type: ISTD  
 Cal File: b48894.d  
 Calibration Sample, Level: 6

Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG			AMOUNTS		
	MASS	RT	EXP RT REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85	2.647	2.648 (0.326)	4735951	200.000	200
1 Chloromethane	50	2.915	2.900 (0.359)	1243560	200.000	200
4 Vinyl Chloride	62	3.034	3.034 (0.374)	2009715	200.000	200
3 Bromomethane	94	3.420	3.420 (0.421)	1941027	200.000	200
5 Chloroethane	64	3.509	3.524 (0.432)	1230680	200.000	200
121 n-Pentane	72	3.925	3.941 (0.484)	634346	200.000	200 (A)
9 Trichlorofluoromethane	101	3.836	3.851 (0.473)	7686842	200.000	200
119 Isoprene	67	4.237	4.238 (0.522)	3617424	200.000	230 (A)
46 Ethyl Ether	59	4.252	4.253 (0.524)	2323784	200.000	200 (A)
10 1,1-Dichloroethene	96	4.505	4.505 (0.555)	3527115	200.000	200 (A)
8 Carbon Disulfide	76	4.802	4.803 (0.592)	9675291	200.000	240 (A)
48 Freon TF	101	4.490	4.490 (0.553)	9438685	200.000	220 (A)
6 Methylene Chloride	84	5.070	5.070 (0.625)	3497439	200.000	210 (A)
7 Acetone	58	4.594	4.595 (0.566)	192637	200.000	200
12 trans-1,2-Dichloroethene	96	5.411	5.412 (0.667)	4290305	200.000	200 (A)
131 Methyl Acetate	43	4.966	4.966 (0.612)	2796397	200.000	180
53 MTBE	73	5.426	5.427 (0.669)	9934856	200.000	220 (A)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
51 TBA	59	5.263	5.234	(0.648)	4113850	4000.00	4000
50 Acetonitrile	41	4.891	4.892	(0.603)	2410550	4000.00	4600 (A)
55 DIPE	45	6.006	5.992	(0.740)	11410759	200.000	220 (A)
11 1,1-Dichloroethane	63	5.917	5.917	(0.729)	6602771	200.000	210 (A)
57 Vinyl Acetate	43	5.976	5.977	(0.736)	10093222	200.000	210 (A)
13 cis-1,2-Dichloroethene	96	6.645	6.645	(0.819)	4215553	200.000	210 (A)
104 2,2-Dichloropropane	77	6.645	6.645	(0.819)	8081455	200.000	220 (A)
59 Cyclohexane	56	7.418	7.418	(0.914)	5420019	200.000	220 (A)
108 Bromochloromethane	128	6.957	6.958	(0.857)	3143586	200.000	220 (A)
15 Chloroform	83	7.031	7.032	(0.866)	9157849	200.000	190
21 Carbon Tetrachloride	117	7.552	7.552	(0.930)	8730170	200.000	210 (A)
20 1,1,1-Trichloroethane	97	7.314	7.314	(0.901)	9298818	200.000	230 (A)
56 Ethyl Acetate	70	6.704	6.705	(0.826)	928052	400.000	410 (A)
92 1,1-Dichloropropene	75	7.522	7.522	(0.927)	6568972	200.000	220 (A)
18 2-Butanone	72	6.645	6.645	(0.819)	294208	200.000	170
28 Benzene	78	7.789	7.790	(0.960)	9630781	200.000	200 (A)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.685	7.686	(0.947)	5437766	200.000	240 (A)
17 1,2-Dichloroethane	62	7.774	7.775	(0.958)	6614916	200.000	230 (A)
* 19 Fluorobenzene	96	8.116	8.117	(1.000)	3050804	50.0000	
61 Isopropyl Acetate	43	7.789	7.790	(0.960)	12577058	400.000	450 (A)
132 Methyl cyclohexane	83	8.844	8.845	(1.090)	5779173	200.000	220 (A)
25 Trichloroethene	95	8.577	8.592	(1.057)	5504357	200.000	210 (A)
109 Dibromomethane	93	8.993	8.994	(1.108)	4307633	200.000	210 (A)
23 1,2-Dichloropropane	63	8.830	8.845	(1.088)	3851672	200.000	200
22 Bromodichloromethane	83	9.157	9.157	(1.128)	9371643	200.000	220 (A)
120 Methyl methacrylate	69	8.934	8.934	(1.101)	2313075	200.000	210 (A)
64 Propyl Acetate	43	8.993	8.994	(1.108)	10605270	400.000	400
30 2-Chloroethyl Vinyl Ether	63	9.469	9.469	(1.167)	2340200	200.000	200 (A)
24 cis-1,3-Dichloropropene	75	9.677	9.677	(1.192)	6551174	200.000	220 (A)
\$ 37 Toluene-d8 (SUR)	98	10.019	10.019	(0.851)	9687217	200.000	240 (A)
38 Toluene	91	10.108	10.108	(0.859)	11474433	200.000	220 (A)
118 Epichlorohydrin	57	9.558	9.558	(1.178)	6297861	4000.00	4600 (A)
35 Tetrachloroethene	166	10.762	10.762	(0.914)	6216824	200.000	200
33 4-Methyl-2-Pentanone	43	9.825	9.826	(1.211)	2111487	200.000	210 (A)
29 trans-1,3-Dichloropropene	75	10.301	10.301	(0.875)	5860171	200.000	220 (A)
27 1,1,2-Trichloroethane	83	10.524	10.524	(0.894)	2940115	200.000	220 (A)
26 Dibromochloromethane	129	10.999	11.000	(0.934)	7682910	200.000	240 (A)
103 1,3-Dichloropropane	76	10.732	10.732	(0.912)	5694927	200.000	220 (A)
66 1,2-Dibromoethane	107	11.148	11.149	(0.947)	6292783	200.000	220 (A)
65 Butyl Acetate	43	10.910	10.911	(0.927)	7950590	400.000	440 (A)
34 2-Hexanone	43	10.791	10.792	(0.917)	1261793	200.000	200 (A)
* 32 Chlorobenzene-d5	117	11.668	11.669	(1.000)	2179690	50.0000	(H)
39 Chlorobenzene	112	11.698	11.698	(0.994)	8402069	200.000	210 (A)
40 Ethylbenzene	106	11.802	11.803	(1.003)	3841124	200.000	210 (A)
97 1,1,1,2-Tetrachloroethane	131	11.772	11.773	(1.000)	4955647	200.000	220 (A)
43 m+p-Xylene	106	11.921	11.921	(1.013)	9972600	400.000	430 (A)
44 o-Xylene	106	12.352	12.352	(1.049)	4504956	200.000	220 (A)

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
42 Styrene	104	12.367	12.367	(1.050)	7636621	200.000	220 (A)
31 Bromoform	173	12.590	12.590	(1.069)	5157042	200.000	230 (A)
110 Isopropylbenzene	105	12.738	12.739	(1.082)	14642037	200.000	220 (A)
\$ 41 Bromofluorobenzene (SUR)	174	12.917	12.917	(0.915)	5019147	200.000	230 (A)
107 Bromobenzene	156	13.110	13.110	(0.928)	4638196	200.000	200 (A)
112 n-Propylbenzene	91	13.169	13.170	(0.933)	16803459	200.000	220 (A)
36 1,1,2,2-Tetrachloroethane	83	13.021	13.021	(0.922)	4098497	200.000	180
105 2-Chlorotoluene	91	13.288	13.289	(0.941)	9273143	200.000	220 (A)
99 1,2,3-Trichloropropane	110	13.080	13.081	(0.926)	1325691	200.000	200
102 1,3,5-Trimethylbenzene	105	13.333	13.333	(0.944)	11278166	200.000	210 (A)
106 4-Chlorotoluene	91	13.392	13.393	(0.948)	12454987	200.000	210 (A)
115 tert-Butylbenzene	119	13.675	13.690	(0.968)	11524515	200.000	210 (A)
100 1,2,4-Trimethylbenzene	105	13.719	13.720	(0.972)	10778927	200.000	210 (A)
114 sec-Butylbenzene	105	13.898	13.898	(0.984)	15006897	200.000	210 (A)
113 p-Isopropyltoluene	119	14.031	14.032	(0.994)	12419838	200.000	210 (A)
67 1,3-Dichlorobenzene	146	14.061	14.062	(0.996)	6711217	200.000	220 (A)
* 91 1,4-Dichlorobenzene-d4	152	14.120	14.121	(1.000)	1149481	50.0000	
68 1,4-Dichlorobenzene	146	14.135	14.136	(1.001)	7664533	200.000	190
117 Benzyl chloride	91	14.254	14.255	(1.009)	6373271	200.000	200 (A)
111 n-Butylbenzene	91	14.462	14.463	(1.024)	11958826	200.000	210 (A)
69 1,2-Dichlorobenzene	146	14.551	14.552	(1.031)	6420412	200.000	200
101 1,2-Dibromo-3-chloropropane	75	15.369	15.369	(1.088)	1158533	200.000	230 (A)
94 Hexachlorobutadiene	225	16.573	16.573	(1.174)	4724844	200.000	200 (A)
93 1,2,4-Trichlorobenzene	180	16.379	16.380	(1.160)	5744230	200.000	220 (A)
70 Naphthalene	128	16.706	16.722	(1.183)	7823739	200.000	220 (A)
98 1,2,3-Trichlorobenzene	180	17.033	17.049	(1.206)	5066089	200.000	220 (A)
71 Methylanthalene (total)	142	18.371	18.371	(1.301)	4518253	200.000	220 (A)
72 Dimethylanthalene (total)	156	20.764	20.779	(1.470)	2239304	200.000	200 (AM)
M 14 1,2-Dichloroethene (total)	100				8505858	400.000	420 (A)
M 45 Xylene (Total)	100				14477556	600.000	650 (A)

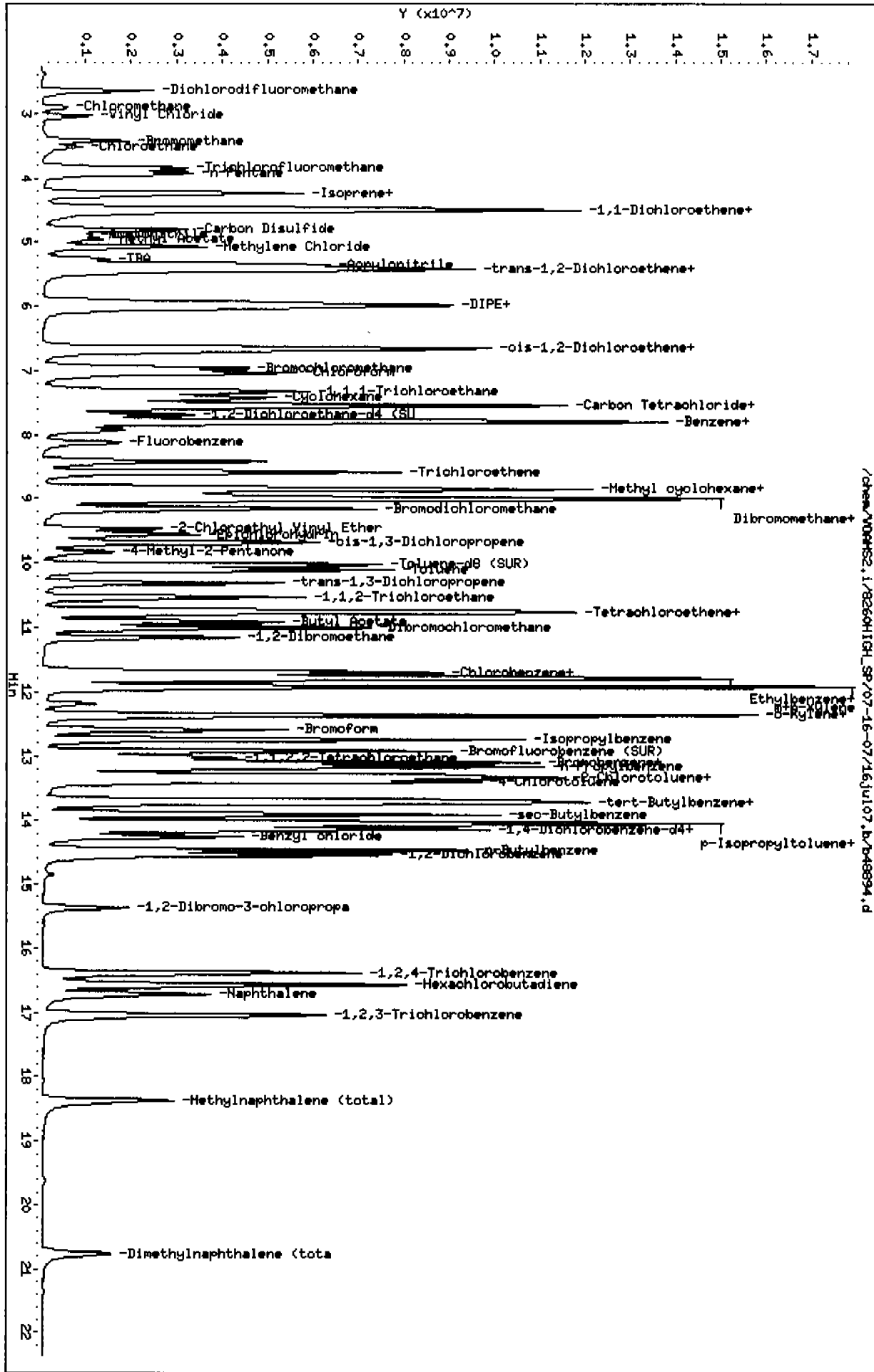
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: /chem/V09HNS2.i/8260HIGH\_SP/07-16-07/16Jul07.b/b48894.d  
 Date: 16-JUL-2007 11:07  
 Client ID:  
 Sample Info: BST1200  
 Purge Volume: 5.0  
 Column Phase: Rtx-WHS

Operator: V09HNS 3  
 Column diameter: 0.18

Instrument: V09HNS2.1



FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2      Calibration Date: 08/22/07      Time: 1018

Lab File ID: B49221      Init. Calib. Date(s): 07/16/07      07/16/07

Init. Calib. Times:      1037      1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chloromethane	71.533389	50.000000	0.1483576	0.1	-43.07	50.00	LINR
Bromomethane	57.146923	50.000000	0.2267044		-14.29	50.00	2RDR
Vinyl Chloride	59.008329	50.000000	0.2289730		-18.02	20.00	2RDR
Chloroethane	72.808738	50.000000	0.1749770		-45.62	50.00	2RDR
Methylene Chloride	0.2760000	0.2736681	0.2736681		0.84	50.00	AVRG
Acetone	35.633930	50.000000	0.0135471		28.73	50.00	2RDR
Carbon Disulfide	0.6440000	0.6614882	0.6614882		-2.72	50.00	AVRG
Trichlorofluoromethane	74.597336	50.000000	0.9612346		-49.19	50.00	LINR
1,1-Dichloroethene	0.2760000	0.3208227	0.3208227		-16.24	20.00	AVRG
1,1-Dichloroethane	0.5130000	0.5960384	0.5960384	0.1	-16.19	50.00	AVRG
trans-1,2-Dichloroethene	0.3440000	0.3801009	0.3801009		-10.49	50.00	AVRG
cis-1,2-Dichloroethene	0.3270000	0.3725534	0.3725534		-13.93	50.00	AVRG
Chloroform	0.7980000	0.8079903	0.8079903		-1.25	20.00	AVRG
1,2-Dichloroethane	0.5100000	0.5332215	0.5332215		-4.55	50.00	AVRG
2-Butanone	0.0260000	0.0196096	0.0196096		24.58	50.00	AVRG
1,1,1-Trichloroethane	0.6980000	0.7907431	0.7907431		-13.29	50.00	AVRG
Carbon Tetrachloride	0.6710000	0.7336434	0.7336434		-9.34	50.00	AVRG
Bromodichloromethane	0.6960000	0.7337113	0.7337113		-5.42	50.00	AVRG
1,2-Dichloropropane	0.3140000	0.2887879	0.2887879		8.03	20.00	AVRG
cis-1,3-Dichloropropene	0.4940000	0.4975393	0.4975393		-0.72	50.00	AVRG
Trichloroethene	0.4380000	0.5118144	0.5118144		-16.85	50.00	AVRG
Dibromochloromethane	0.7680000	0.8794899	0.8794899		-14.52	50.00	AVRG
1,1,2-Trichloroethane	0.3200000	0.3195824	0.3195824		0.13	50.00	AVRG
Benzene	0.7760000	0.7446745	0.7446745		4.04	50.00	AVRG
trans-1,3-Dichloropropene	0.5910000	0.6618324	0.6618324		-11.98	50.00	AVRG
2-Chloroethyl Vinyl Ether	38.765552	50.000000	0.1459558		22.47	50.00	LINR
Bromoform	0.5340000	0.5922071	0.5922071	0.1	-10.90	50.00	AVRG
4-Methyl-2-Pentanone	0.1770000	0.1543503	0.1543503		12.80	50.00	AVRG
2-Hexanone	47.941170	50.000000	0.1384571		4.12	50.00	LINR
Tetrachloroethene	0.7240000	0.8018364	0.8018364		-10.75	50.00	AVRG
1,1,2,2-Tetrachloroethane	0.9220000	0.5676943	0.5676943	0.3	38.43	50.00	AVRG
Toluene	1.2380000	1.3080254	1.3080254		-5.66	20.00	AVRG
Chlorobenzene	0.9320000	1.0082412	1.0082412	0.3	-8.18	50.00	AVRG
Ethylbenzene	0.4300000	0.4601304	0.4601304		-7.01	20.00	AVRG
Styrene	0.8220000	0.9014751	0.9014751		-9.67	50.00	AVRG
Xylene (Total)	0.5260000	0.5690786	0.5690786		-8.19	50.00	AVRG
Ethyl Ether	0.1840000	0.1840296	0.1840296		-0.02	50.00	AVRG
Acrolein	0.0000000				0.00	99.00	AVRG
Freon TF	0.7080000	0.7994701	0.7994701		-12.92	50.00	AVRG
Isopropanol	0.0000000				0.00	50.00	AVRG
Acetonitrile	0.0090000	0.0072229	0.0072229		19.74	50.00	AVRG
TBA	0.0180000	0.0169898	0.0169898		5.61	50.00	AVRG

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FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/22/07 Time: 1018

Lab File ID: B49221

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037

1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Acrylonitrile	0.0000000				0.00	50.00	AVRG
MTBE	0.7750000	0.7191574	0.7191574		7.20	50.00	AVRG
Hexane	0.0000000				0.00	50.00	AVRG
DIPE	0.8950000	0.8429700	0.8429700		5.81	50.00	AVRG
Ethyl Acetate	0.0370000	0.0301710	0.0301710		18.46	50.00	AVRG
Vinyl Acetate	0.8740000	0.5656771	0.5656771		35.28	50.00	AVRG
Tetrahydrofuran	0.0000000				0.00	50.00	AVRG
Cyclohexane	0.4030000	0.4182739	0.4182739		-3.79	50.00	AVRG
Isobutanol	0.0000000				0.00	50.00	AVRG
Isopropyl Acetate	0.5050000	0.4091636	0.4091636		18.98	50.00	AVRG
n-Heptane	0.0000000				0.00	50.00	AVRG
n-Butanol	0.0000000				0.00	50.00	AVRG
Propyl Acetate	0.0000000	100.00000	0.0000000		0.00	50.00	2RDR
Butyl Acetate	0.4540000	0.4373631	0.4373631		3.66	50.00	AVRG
1,2-Dibromoethane	0.6680000	0.6600993	0.6600993		1.18	50.00	AVRG
1,3-Dichlorobenzene	1.4180000	1.4721269	1.4721269		-3.82	50.00	AVRG
1,4-Dichlorobenzene	1.7470000	1.7965885	1.7965885		-2.84	50.00	AVRG
1,2-Dichlorobenzene	1.4980000	1.4338523	1.4338523		4.28	50.00	AVRG
Naphthalene	1.6190000	1.4051324	1.4051324		13.21	50.00	AVRG
Methylnaphthalene (total)	1.0230000				100.00	50.00	AVRG
Dimethylnaphthalene (total)	0.5860000				100.00	50.00	AVRG
Dichlorodifluoromethane	64.047244	50.000000	0.5702610		-28.09	50.00	2RDR
1,1-Dichloropropene	0.5170000	0.5424061	0.5424061		-4.91	50.00	AVRG
1,2,4-Trichlorobenzene	1.1940000	1.1983974	1.1983974		-0.37	50.00	AVRG
Hexachlorobutadiene	1.0320000	1.1020328	1.1020328		-6.79	50.00	AVRG
1,4-Dioxane	0.0000000				0.00	50.00	AVRG
Methyl Acrylate	0.0000000				0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.5400000	0.6211226	0.6211226		-15.02	50.00	AVRG
1,2,3-Trichlorobenzene	1.0560000	0.9891852	0.9891852		6.33	50.00	AVRG
1,2,3-Trichloropropane	0.2970000	0.2892053	0.2892053		2.62	50.00	AVRG
1,2,4-Trimethylbenzene	2.3330000	2.3646326	2.3646326		-1.36	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.2410000	0.2194397	0.2194397		8.95	50.00	AVRG
1,3,5-Trimethylbenzene	2.4060000	2.4608028	2.4608028		-2.28	50.00	AVRG
1,3-Dichloropropane	0.6090000	0.6176824	0.6176824		-1.42	50.00	AVRG
2,2-Dichloropropane	0.6040000	0.6958987	0.6958987		-15.22	50.00	AVRG
2-Chlorotoluene	1.8970000	1.9903575	1.9903575		-4.92	50.00	AVRG
4-Chlorotoluene	2.6440000	2.7783669	2.7783669		-5.08	50.00	AVRG
Bromobenzene	1.0120000	1.0123427	1.0123427		-0.03	50.00	AVRG
Bromochloromethane	0.2420000	0.2555596	0.2555596		-5.60	50.00	AVRG
Dibromomethane	0.3510000	0.3537205	0.3537205		-0.78	50.00	AVRG
Isopropylbenzene	1.5850000	1.7524285	1.7524285		-10.56	50.00	AVRG
n-Butylbenzene	2.5100000	2.5829577	2.5829577		-2.91	50.00	AVRG

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FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/22/07 Time: 1018

Lab File ID: B49221

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037 1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
n-Propylbenzene	3.3260000	3.3662948	3.3662948		-1.21	50.00	AVRG
p-Isopropyltoluene	2.6650000	2.8047698	2.8047698		-5.24	50.00	AVRG
sec-Butylbenzene	3.1010000	3.2168517	3.2168517		-3.74	50.00	AVRG
tert-Butylbenzene	2.4360000	2.5322924	2.5322924		-3.95	50.00	AVRG
Allyl chloride	0.0000000				0.00	50.00	AVRG
Benzyl chloride	44.029235	50.000000	1.1952001		11.94	50.00	LINR
Epichlorohydrin	0.0240000	0.0182173	0.0182173		24.09	50.00	AVRG
Isoprene	0.2660000	0.2946459	0.2946459		-10.77	50.00	AVRG
Methyl methacrylate	0.1890000	0.1617711	0.1617711		14.41	50.00	AVRG
n-Pentane	0.0490000	0.0579802	0.0579802		-18.33	50.00	AVRG
Allyl alcohol	0.0000000				0.00	50.00	AVRG
2-Octanol	0.0000000				0.00	50.00	AVRG
2-Octanone	0.0000000				0.00	50.00	AVRG
Ethyl Acrylate	0.0000000				0.00	50.00	AVRG
Butyl Acrylate	0.0000000				0.00	50.00	AVRG
Butyl Methacrylate	0.0000000				0.00	50.00	AVRG
Ethyl methacrylate	0.0000000				0.00	50.00	AVRG
Ethanol	0.0000000				0.00	50.00	AVRG
Methyl Acetate	0.2420000	0.2384698	0.2384698		1.46	50.00	AVRG
Methyl cyclohexane	0.4510000	0.4423223	0.4423223		1.92	50.00	AVRG
Cyclohexanone	0.0000000				0.00	50.00	AVRG
p-Ethyltoluene	0.0000000				0.00	50.00	AVRG
1,4-Diethylbenzene	0.0000000				0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000				0.00	50.00	AVRG
Propylene Oxide	0.0000000				0.00	50.00	AVRG
Camphene (total)	0.0000000				0.00	50.00	AVRG
Camphor	0.0000000				0.00	50.00	AVRG
Amyl Acetate	0.0000000				0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000				0.00	50.00	AVRG
1-Chlorohexane	0.0000000				0.00	50.00	AVRG
Chlorotrifluoromethane	0.0000000				0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000				0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000				0.00	50.00	AVRG
Iodomethane	0.0000000				0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000				0.00	50.00	AVRG
Acetaldehyde	0.0000000				0.00	50.00	AVRG
1,3,5-Trichlorobenzene	0.0000000				0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000				0.00	50.00	AVRG
1-Bromo-2-chloroethane	0.0000000				0.00	50.00	AVRG
4-Chlorobenzotrifluoride	0.0000000				0.00	50.00	AVRG
2-Chloropropene	0.0000000				0.00	50.00	AVRG
tert-Butyl ethyl ether	0.0000000			0.01	0.00	50.00	AVRG

page 3 of 4

FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/22/07 Time: 1018

Lab File ID: B49221

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037 1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,3-Butadiene	0.0000000			0.01	0.00	50.00	AVRG
1-Propene	0.0000000				0.00	50.00	AVRG
2-Chloropropane	0.0000000				0.00	50.00	AVRG
1-Chloropropane	0.0000000				0.00	50.00	AVRG
1,2-Dichloroethane-d4 (SUR)	0.4100000	0.4179019	0.4179019		-1.93	50.00	AVRG
Toluene-d8 (SUR)	0.9940000	1.0708578	1.0708578		-7.73	50.00	AVRG
Bromofluorobenzene (SUR)	1.0410000	1.1072242	1.1072242		-6.36	50.00	AVRG



STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/b49221.d  
 Lab Smp Id: BSTD234  
 Inj Date : 22-AUG-2007 10:18  
 Operator : VOAMS 3  
 Smp Info : BSTD234  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/8260H\_06.m  
 Meth Date : 22-Aug-2007 11:03 riaz  
 Cal Date : 16-JUL-2007 14:05  
 Als bottle: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i

Quant Type: ISTD  
 Cal File: b48900.d  
 Continuing Calibration Sample

Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85		2.633	2.633	(0.326)	1720120	50.0000	64
1 Chloromethane	50		2.885	2.885	(0.357)	447502	50.0000	72
4 Vinyl Chloride	62		3.019	3.019	(0.373)	690668	50.0000	59
3 Bromomethane	94		3.405	3.405	(0.421)	683825	50.0000	57
5 Chloroethane	64		3.524	3.524	(0.436)	527796	50.0000	73
121 n-Pentane	72		3.955	3.955	(0.489)	174890	50.0000	59
9 Trichlorofluoromethane	101		3.866	3.866	(0.478)	2899442	50.0000	74
119 Isoprene	67		4.238	4.238	(0.524)	888762	50.0000	55
46 Ethyl Ether	59		4.223	4.223	(0.522)	555102	50.0000	50
10 1,1-Dichloroethene	96		4.505	4.505	(0.557)	967721	50.0000	58
8 Carbon Disulfide	76		4.802	4.802	(0.594)	1995295	50.0000	51
48 Freon TF	101		4.490	4.490	(0.555)	2411500	50.0000	56
6 Methylene Chloride	84		5.055	5.055	(0.625)	825485	50.0000	50
7 Acetone	58		4.565	4.565	(0.564)	40863	50.0000	36
12 trans-1,2-Dichloroethene	96		5.397	5.397	(0.667)	1146526	50.0000	55
131 Methyl Acetate	43		4.936	4.936	(0.610)	719314	50.0000	49
53 MTBE	73		5.397	5.397	(0.667)	2169247	50.0000	46

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
51 TBA	59	5.174	5.174	(0.640)	1024949	1000.00	960
50 Acetonitrile	41	4.847	4.847	(0.599)	435741	1000.00	780
55 DIPE	45	5.962	5.962	(0.737)	2542712	50.0000	47
11 1,1-Dichloroethane	63	5.887	5.887	(0.728)	1797874	50.0000	58
57 Vinyl Acetate	43	5.947	5.947	(0.735)	1706293	50.0000	32
13 cis-1,2-Dichloroethene	96	6.616	6.616	(0.818)	1123760	50.0000	57
104 2,2-Dichloropropane	77	6.616	6.616	(0.818)	2099090	50.0000	58
59 Cyclohexane	56	7.388	7.388	(0.914)	1261670	50.0000	52
108 Bromochloromethane	128	6.928	6.928	(0.857)	770863	50.0000	53
15 Chloroform	83	6.987	6.987	(0.864)	2437200	50.0000	51
21 Carbon Tetrachloride	117	7.522	7.522	(0.930)	2212942	50.0000	55
20 1,1,1-Trichloroethane	97	7.284	7.284	(0.901)	2385176	50.0000	57
56 Ethyl Acetate	70	6.660	6.660	(0.824)	182014	100.000	82
92 1,1-Dichloropropene	75	7.492	7.492	(0.926)	1636099	50.0000	52
18 2-Butanone	72	6.601	6.601	(0.816)	59150	50.0000	38
28 Benzene	78	7.760	7.760	(0.960)	2246216	50.0000	48
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.656	7.656	(0.947)	1260548	50.0000	51
17 1,2-Dichloroethane	62	7.745	7.745	(0.958)	1608395	50.0000	52
* 19 Fluorobenzene	96	8.087	8.087	(1.000)	3016373	50.0000	
61 Isopropyl Acetate	43	7.760	7.760	(0.960)	2468380	100.000	81
132 Methyl cyclohexane	83	8.815	8.815	(1.090)	1334209	50.0000	49
25 Trichloroethene	95	8.563	8.563	(1.059)	1543823	50.0000	58
109 Dibromomethane	93	8.964	8.964	(1.108)	1066953	50.0000	50
23 1,2-Dichloropropane	63	8.800	8.800	(1.088)	871092	50.0000	46
22 Bromodichloromethane	83	9.127	9.127	(1.129)	2213147	50.0000	53
120 Methyl methacrylate	69	8.904	8.904	(1.101)	487962	50.0000	43
30 2-Chloroethyl Vinyl Ether	63	9.439	9.439	(1.167)	440257	50.0000	39
24 cis-1,3-Dichloropropene	75	9.647	9.647	(1.193)	1500764	50.0000	50
\$ 37 Toluene-d8 (SUR)	98	9.989	9.989	(0.858)	2238082	50.0000	54
38 Toluene	91	10.078	10.078	(0.866)	2733760	50.0000	53
118 Epichlorohydrin	57	9.529	9.529	(1.178)	1099001	1000.00	740
35 Tetrachloroethene	166	10.732	10.732	(0.922)	1675830	50.0000	55
33 4-Methyl-2-Pentanone	43	9.796	9.796	(1.211)	465578	50.0000	44
29 trans-1,3-Dichloropropene	75	10.287	10.287	(0.884)	1383223	50.0000	56
27 1,1,2-Trichloroethane	83	10.495	10.495	(0.902)	667924	50.0000	50
26 Dibromochloromethane	129	10.970	10.970	(0.943)	1838125	50.0000	57
103 1,3-Dichloropropane	76	10.703	10.703	(0.920)	1290950	50.0000	51
66 1,2-Dibromoethane	107	11.119	11.119	(0.955)	1379601	50.0000	49
65 Butyl Acetate	43	10.881	10.881	(0.935)	1828169	100.000	96
34 2-Hexanone	43	10.747	10.747	(0.923)	289374	50.0000	48
* 32 Chlorobenzene-d5	117	11.639	11.639	(1.000)	2089990	50.0000	
39 Chlorobenzene	112	11.669	11.669	(1.003)	2107214	50.0000	54
40 Ethylbenzene	106	11.773	11.773	(1.011)	961668	50.0000	53
97 1,1,1,2-Tetrachloroethane	131	11.743	11.743	(1.009)	1298140	50.0000	58
43 m+p-Xylene	106	11.892	11.892	(1.022)	2441174	100.000	110
44 o-Xylene	106	12.323	12.323	(1.059)	1126932	50.0000	55
42 Styrene	104	12.337	12.337	(1.060)	1884074	50.0000	55

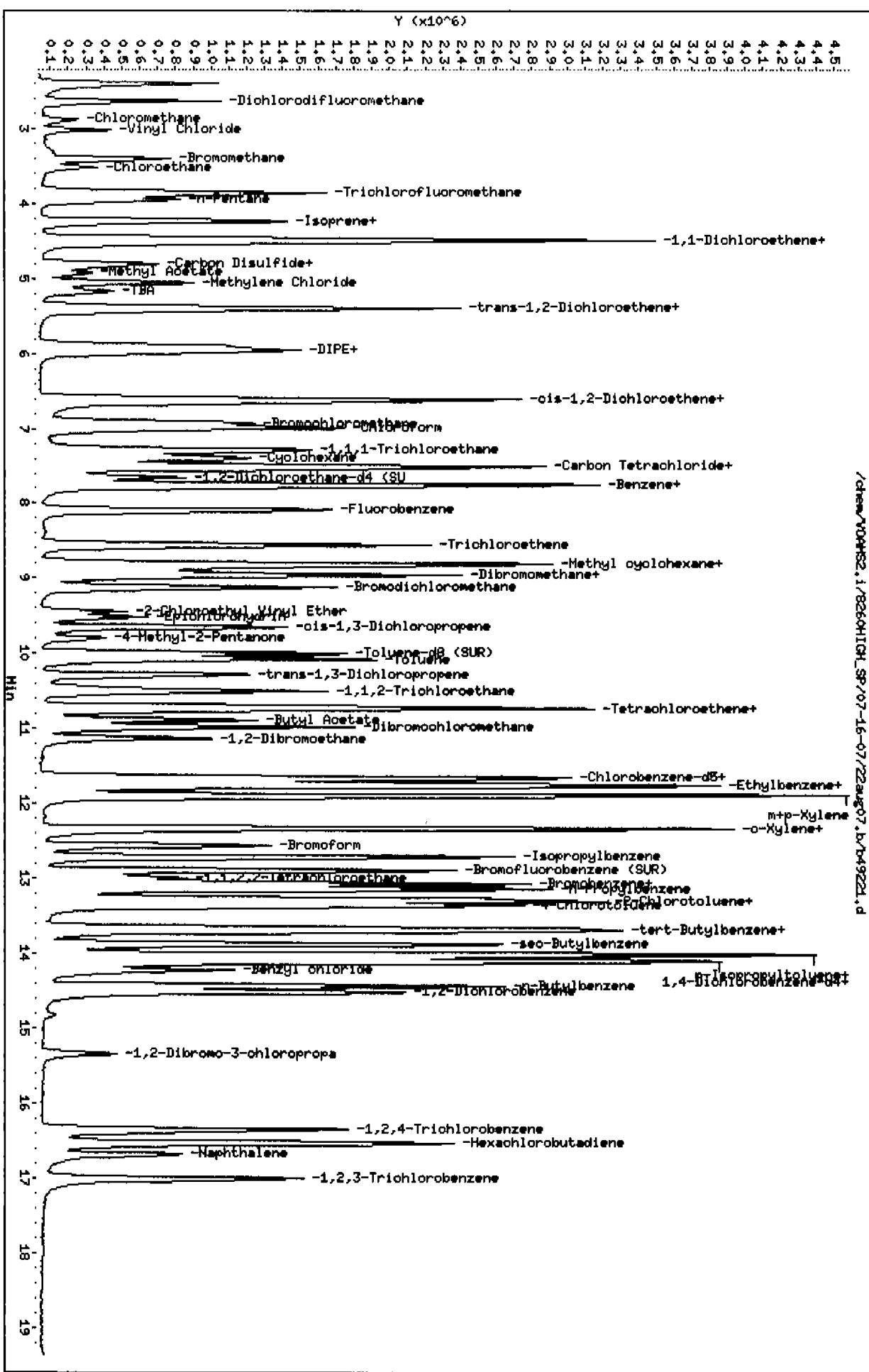
Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT ( ug/L)	ON-COL ( ug/L)
31 Bromoform	173	12.560	12.560	(1.079)	1237707	50.0000	55
110 Isopropylbenzene	105	12.709	12.709	(1.092)	3662558	50.0000	55
§ 41 Bromofluorobenzene (SUR)	174	12.887	12.887	(0.915)	1360938	50.0000	53
107 Bromobenzene	156	13.081	13.081	(0.928)	1244315	50.0000	50
112 n-Propylbenzene	91	13.140	13.140	(0.932)	4137661	50.0000	51
36 1,1,2,2-Tetrachloroethane	83	12.991	12.991	(0.922)	697778	50.0000	31
105 2-Chlorotoluene	91	13.259	13.259	(0.941)	2446436	50.0000	52
99 1,2,3-Trichloropropane	110	13.051	13.051	(0.926)	355475	50.0000	49
102 1,3,5-Trimethylbenzene	105	13.303	13.303	(0.944)	3024681	50.0000	51
106 4-Chlorotoluene	91	13.363	13.363	(0.948)	3415013	50.0000	52
115 tert-Butylbenzene	119	13.660	13.660	(0.969)	3112552	50.0000	52
100 1,2,4-Trimethylbenzene	105	13.705	13.705	(0.973)	2906474	50.0000	51
114 sec-Butylbenzene	105	13.868	13.868	(0.984)	3953974	50.0000	52
113 p-Isopropyltoluene	119	14.002	14.002	(0.994)	3447466	50.0000	53
67 1,3-Dichlorobenzene	146	14.032	14.032	(0.996)	1809456	50.0000	52 (H)
* 91 1,4-Dichlorobenzene-d4	152	14.091	14.091	(1.000)	1229144	50.0000	
68 1,4-Dichlorobenzene	146	14.121	14.121	(1.002)	2208266	50.0000	51
117 Benzyl chloride	91	14.225	14.225	(1.009)	1469073	50.0000	44
111 n-Butylbenzene	91	14.433	14.433	(1.024)	3174827	50.0000	51
69 1,2-Dichlorobenzene	146	14.522	14.522	(1.031)	1762411	50.0000	48
101 1,2-Dibromo-3-chloropropane	75	15.340	15.340	(1.089)	269723	50.0000	46
94 Hexachlorobutadiene	225	16.543	16.543	(1.174)	1354557	50.0000	53
93 1,2,4-Trichlorobenzene	180	16.350	16.350	(1.160)	1473003	50.0000	50
70 Naphthalene	128	16.677	16.677	(1.184)	1727110	50.0000	43
98 1,2,3-Trichlorobenzene	180	17.004	17.004	(1.207)	1215851	50.0000	47
M 14 1,2-Dichloroethene (total)	100				2270286	100.000	110
M 45 Xylene (Total)	100				3568106	150.000	160

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /chem/V04HS2.i/8260HIGH.SP/07-16-07/22aug07.lv/049224.d  
 Date: 22-AUG-2007 10:18  
 Client ID:  
 Sample Info: BSTD234  
 Purge Volume: 5.0  
 Column Phase: Rtx-UHS

Instrument: V04HS2.1  
 Operator: V04HS 3  
 Column diameter: 0.18



FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/23/07 Time: 1014

Lab File ID: B49236

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037 1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chloromethane	67.206751	50.000000	0.1393844	0.1	-34.41	50.00	LINR
Bromomethane	55.774328	50.000000	0.2219147		-11.55	50.00	2RDR
Vinyl Chloride	53.580658	50.000000	0.2096356		-7.16	20.00	2RDR
Chloroethane	65.843322	50.000000	0.1602620		-31.69	50.00	2RDR
Methylene Chloride	0.2760000	0.2895085	0.2895085		-4.89	50.00	AVRG
Acetone	33.605797	50.000000	0.0128168		32.79	50.00	2RDR
Carbon Disulfide	0.6440000	0.6561456	0.6561456		-1.88	50.00	AVRG
Trichlorofluoromethane	72.573427	50.000000	0.9351552		-45.15	50.00	LINR
1,1-Dichloroethene	0.2760000	0.3295812	0.3295812		-19.41	20.00	AVRG
1,1-Dichloroethane	0.5130000	0.6470641	0.6470641	0.1	-26.13	50.00	AVRG
trans-1,2-Dichloroethene	0.3440000	0.4048389	0.4048389		-17.68	50.00	AVRG
cis-1,2-Dichloroethene	0.3270000	0.3978566	0.3978566		-21.67	50.00	AVRG
Chloroform	0.7980000	0.8877660	0.8877660		-11.25	20.00	AVRG
1,2-Dichloroethane	0.5100000	0.5516903	0.5516903		-8.17	50.00	AVRG
2-Butanone	0.0260000	0.0167891	0.0167891		35.43	50.00	AVRG
1,1,1-Trichloroethane	0.6980000	0.8484486	0.8484486		-21.55	50.00	AVRG
Carbon Tetrachloride	0.6710000	0.7812869	0.7812869		-16.44	50.00	AVRG
Bromodichloromethane	0.6960000	0.7839570	0.7839570		-12.64	50.00	AVRG
1,2-Dichloropropane	0.3140000	0.3144230	0.3144230		-0.13	20.00	AVRG
cis-1,3-Dichloropropene	0.4940000	0.5289051	0.5289051		-7.06	50.00	AVRG
Trichloroethene	0.4380000	0.5324965	0.5324965		-21.57	50.00	AVRG
Dibromochloromethane	0.7680000	0.9161030	0.9161030		-19.28	50.00	AVRG
1,1,2-Trichloroethane	0.3200000	0.3174100	0.3174100		0.81	50.00	AVRG
Benzene	0.7760000	0.8054082	0.8054082		-3.79	50.00	AVRG
trans-1,3-Dichloropropene	0.5910000	0.6582992	0.6582992		-11.39	50.00	AVRG
2-Chloroethyl Vinyl Ether	37.480853	50.000000	0.1411187		25.04	50.00	LINR
Bromoform	0.5340000	0.5808881	0.5808881	0.1	-8.78	50.00	AVRG
4-Methyl-2-Pentanone	0.1770000	0.1356365	0.1356365		23.37	50.00	AVRG
2-Hexanone	39.593269	50.000000	0.1143479		20.81	50.00	LINR
Tetrachloroethene	0.7240000	0.8625302	0.8625302		-19.13	50.00	AVRG
1,1,2,2-Tetrachloroethane	0.9220000	0.5729300	0.5729300	0.3	37.86	50.00	AVRG
Toluene	1.2380000	1.4156633	1.4156633		-14.35	20.00	AVRG
Chlorobenzene	0.9320000	1.0869991	1.0869991	0.3	-16.63	50.00	AVRG
Ethylbenzene	0.4300000	0.4935102	0.4935102		-14.77	20.00	AVRG
Styrene	0.8220000	0.9802731	0.9802731		-19.25	50.00	AVRG
Xylene (Total)	0.5260000	0.6149009	0.6149009		-16.90	50.00	AVRG
Ethyl Ether	0.1840000	0.1707363	0.1707363		7.21	50.00	AVRG
Acrolein	0.0000000				0.00	99.00	AVRG
Freon TF	0.7080000	0.8270251	0.8270251		-16.81	50.00	AVRG
Isopropanol	0.0000000				0.00	50.00	AVRG
Acetonitrile	0.0090000	0.0064609	0.0064609		28.21	50.00	AVRG
TBA	0.0180000	0.0136514	0.0136514		24.16	50.00	AVRG

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FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/23/07 Time: 1014

Lab File ID: B49236

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037

1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Acrylonitrile	0.0000000				0.00	50.00	AVRG
MTBE	0.7750000	0.6664481	0.6664481		14.01	50.00	AVRG
Hexane	0.0000000				0.00	50.00	AVRG
DIPE	0.8950000	0.8443253	0.8443253		5.66	50.00	AVRG
Ethyl Acetate	0.0370000	0.0265411	0.0265411		28.27	50.00	AVRG
Vinyl Acetate	0.8740000	0.5509329	0.5509329		36.96	50.00	AVRG
Tetrahydrofuran	0.0000000				0.00	50.00	AVRG
Cyclohexane	0.4030000	0.4378528	0.4378528		-8.65	50.00	AVRG
Isobutanol	0.0000000				0.00	50.00	AVRG
Isopropyl Acetate	0.5050000	0.3653481	0.3653481		27.65	50.00	AVRG
n-Heptane	0.0000000				0.00	50.00	AVRG
n-Butanol	0.0000000				0.00	50.00	AVRG
Propyl Acetate	0.0000000	100.00000	0.0000000		0.00	50.00	2RDR
Butyl Acetate	0.4540000	0.3868858	0.3868858		14.78	50.00	AVRG
1,2-Dibromoethane	0.6680000	0.6784496	0.6784496		-1.56	50.00	AVRG
1,3-Dichlorobenzene	1.4180000	1.5968861	1.5968861		-12.62	50.00	AVRG
1,4-Dichlorobenzene	1.7470000	1.9386485	1.9386485		-10.97	50.00	AVRG
1,2-Dichlorobenzene	1.4980000	1.5238368	1.5238368		-1.72	50.00	AVRG
Naphthalene	1.6190000	1.3144784	1.3144784		18.81	50.00	AVRG
Methylnaphthalene (total)	1.0230000				100.00	50.00	AVRG
Dimethylnaphthalene (total)	0.5860000				100.00	50.00	AVRG
Dichlorodifluoromethane	61.606769	50.000000	0.5502473		-23.21	50.00	2RDR
1,1-Dichloropropane	0.5170000	0.5854561	0.5854561		-13.24	50.00	AVRG
1,2,4-Trichlorobenzene	1.1940000	1.2465845	1.2465845		-4.40	50.00	AVRG
Hexachlorobutadiene	1.0320000	1.1967857	1.1967857		-15.97	50.00	AVRG
1,4-Dioxane	0.0000000				0.00	50.00	AVRG
Methyl Acrylate	0.0000000				0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.5400000	0.6674249	0.6674249		-23.60	50.00	AVRG
1,2,3-Trichlorobenzene	1.0560000	0.9977906	0.9977906		5.51	50.00	AVRG
1,2,3-Trichloropropane	0.2970000	0.2815853	0.2815853		5.19	50.00	AVRG
1,2,4-Trimethylbenzene	2.3330000	2.5307896	2.5307896		-8.48	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.2410000	0.1897386	0.1897386		21.27	50.00	AVRG
1,3,5-Trimethylbenzene	2.4060000	2.6776914	2.6776914		-11.29	50.00	AVRG
1,3-Dichloropropane	0.6090000	0.6298627	0.6298627		-3.42	50.00	AVRG
2,2-Dichloropropane	0.6040000	0.7438255	0.7438255		-23.15	50.00	AVRG
2-Chlorotoluene	1.8970000	2.1559572	2.1559572		-13.65	50.00	AVRG
4-Chlorotoluene	2.6440000	3.0125302	3.0125302		-13.94	50.00	AVRG
Bromobenzene	1.0120000	1.0909517	1.0909517		-7.80	50.00	AVRG
Bromochloromethane	0.2420000	0.2688963	0.2688963		-11.11	50.00	AVRG
Dibromomethane	0.3510000	0.3557860	0.3557860		-1.36	50.00	AVRG
Isopropylbenzene	1.5850000	1.8699260	1.8699260		-17.98	50.00	AVRG
n-Butylbenzene	2.5100000	2.8099419	2.8099419		-11.95	50.00	AVRG

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FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/23/07 Time: 1014

Lab File ID: B49236

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037 1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
n-Propylbenzene	3.3260000	3.6178295	3.6178295		-8.77	50.00	AVRG
p-Isopropyltoluene	2.6650000	3.0424607	3.0424607		-14.16	50.00	AVRG
sec-Butylbenzene	3.1010000	3.4851144	3.4851144		-12.39	50.00	AVRG
tert-Butylbenzene	2.4360000	2.7184873	2.7184873		-11.60	50.00	AVRG
Allyl chloride	0.0000000				0.00	50.00	AVRG
Benzyl chloride	40.689231	50.000000	1.1045337		18.62	50.00	LINR
Epichlorohydrin	0.0240000	0.0169555	0.0169555		29.35	50.00	AVRG
Isoprene	0.2660000	0.3049947	0.3049947		-14.66	50.00	AVRG
Methyl methacrylate	0.1890000	0.1448899	0.1448899		23.34	50.00	AVRG
n-Pentane	0.0490000	0.0612448	0.0612448		-24.99	50.00	AVRG
Allyl alcohol	0.0000000				0.00	50.00	AVRG
2-Octanol	0.0000000				0.00	50.00	AVRG
2-Octanone	0.0000000				0.00	50.00	AVRG
Ethyl Acrylate	0.0000000				0.00	50.00	AVRG
Butyl Acrylate	0.0000000				0.00	50.00	AVRG
Butyl Methacrylate	0.0000000				0.00	50.00	AVRG
Ethyl methacrylate	0.0000000				0.00	50.00	AVRG
Ethanol	0.0000000				0.00	50.00	AVRG
Methyl Acetate	0.2420000	0.2146953	0.2146953		11.28	50.00	AVRG
Methyl cyclohexane	0.4510000	0.4567179	0.4567179		-1.27	50.00	AVRG
Cyclohexanone	0.0000000				0.00	50.00	AVRG
p-Ethyltoluene	0.0000000				0.00	50.00	AVRG
1,4-Diethylbenzene	0.0000000				0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000				0.00	50.00	AVRG
Propylene Oxide	0.0000000				0.00	50.00	AVRG
Camphene (total)	0.0000000				0.00	50.00	AVRG
Camphor	0.0000000				0.00	50.00	AVRG
Amyl Acetate	0.0000000				0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000				0.00	50.00	AVRG
1-Chlorohexane	0.0000000				0.00	50.00	AVRG
Chlorotrifluoromethane	0.0000000				0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000				0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000				0.00	50.00	AVRG
Iodomethane	0.0000000				0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000				0.00	50.00	AVRG
Acetaldehyde	0.0000000				0.00	50.00	AVRG
1,3,5-Trichlorobenzene	0.0000000				0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000				0.00	50.00	AVRG
1-Bromo-2-chloroethane	0.0000000				0.00	50.00	AVRG
4-Chlorobenzotrifluoride	0.0000000				0.00	50.00	AVRG
2-Chloropropene	0.0000000				0.00	50.00	AVRG
tert-Butyl ethyl ether	0.0000000			0.01	0.00	50.00	AVRG

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FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/23/07 Time: 1014

Lab File ID: B49236

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037 1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
=====	=====	=====	=====	=====	=====	=====	=====
1,3-Butadiene	0.0000000			0.01	0.00	50.00	AVRG
1-Propene	0.0000000				0.00	50.00	AVRG
2-Chloropropane	0.0000000				0.00	50.00	AVRG
1-Chloropropane	0.0000000				0.00	50.00	AVRG
=====	=====	=====	=====	=====	=====	=====	=====
1,2-Dichloroethane-d4 (SUR)	0.4100000	0.4250220	0.4250220		-3.66	50.00	AVRG
Toluene-d8 (SUR)	0.9940000	1.1191073	1.1191073		-12.59	50.00	AVRG
Bromofluorobenzene (SUR)	1.0410000	1.1353024	1.1353024		-9.06	50.00	AVRG



STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/b49236.d  
 Lab Smp Id: BSTD235  
 Inj Date : 23-AUG-2007 10:14  
 Operator : VOAMS 3  
 Smp Info : BSTD235  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/8260H\_06.m  
 Meth Date : 23-Aug-2007 16:26 riaz  
 Cal Date : 16-JUL-2007 14:05  
 Als bottle: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i  
 Quant Type: ISTD  
 Cal File: b48900.d  
 Continuing Calibration Sample  
 Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

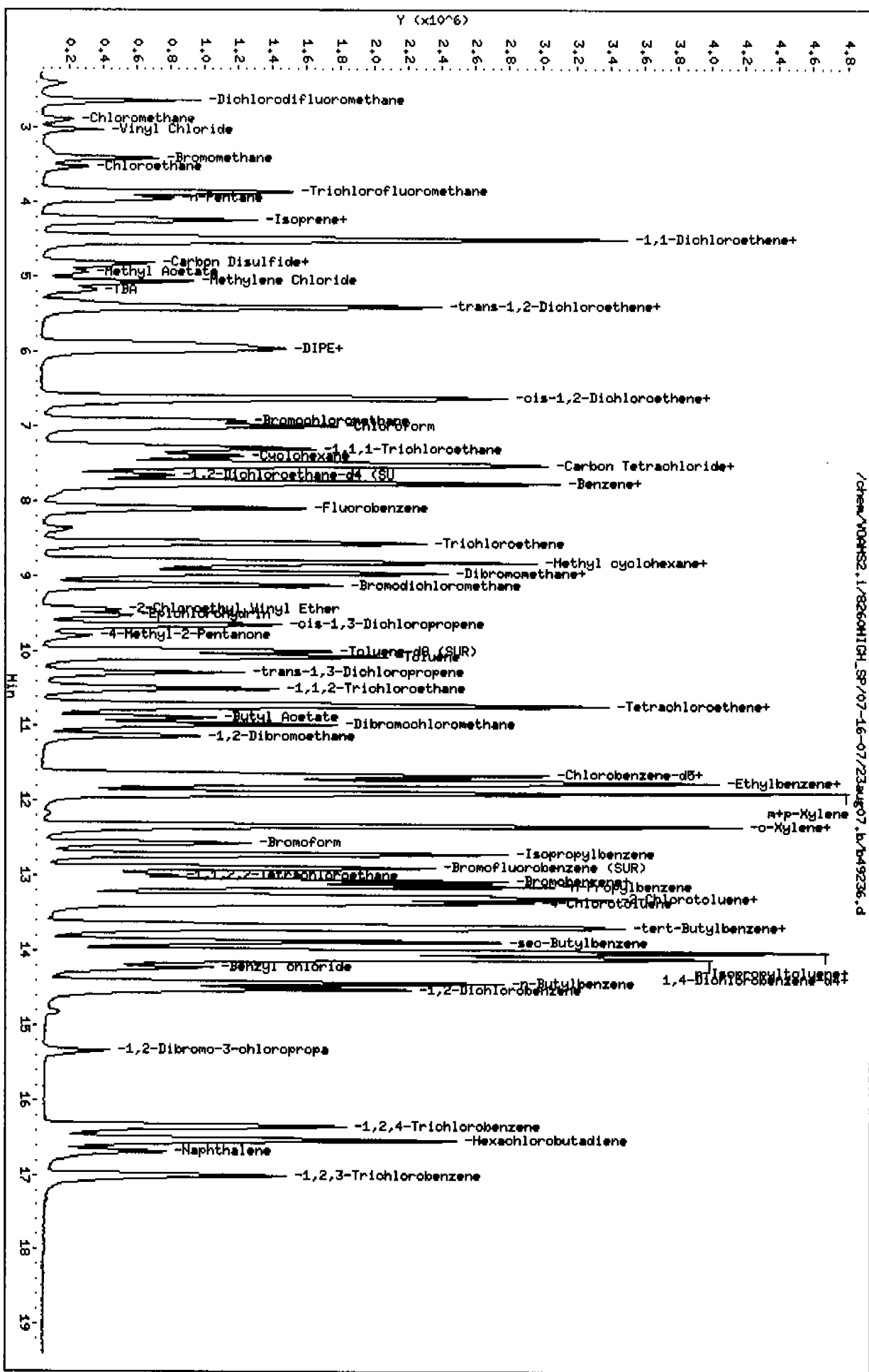
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85		2.647	2.647	(0.327)	1610712	50.0000	62
1 Chloromethane	50		2.900	2.900	(0.358)	408013	50.0000	67
4 Vinyl Chloride	62		3.034	3.034	(0.374)	613656	50.0000	54
3 Bromomethane	94		3.420	3.420	(0.422)	649600	50.0000	56
5 Chloroethane	64		3.539	3.539	(0.437)	469127	50.0000	66
121 n-Pentane	72		3.970	3.970	(0.490)	179279	50.0000	62
9 Trichlorofluoromethane	101		3.866	3.866	(0.477)	2737434	50.0000	72
119 Isoprene	67		4.253	4.253	(0.525)	892796	50.0000	57
46 Ethyl Ether	59		4.223	4.223	(0.521)	499788	50.0000	46
10 1,1-Dichloroethene	96		4.505	4.505	(0.556)	964767	50.0000	60
8 Carbon Disulfide	76		4.817	4.817	(0.595)	1920703	50.0000	51
48 Freon TF	101		4.490	4.490	(0.554)	2420910	50.0000	58
6 Methylene Chloride	84		5.055	5.055	(0.624)	847464	50.0000	52
7 Acetone	58		4.579	4.579	(0.565)	37518	50.0000	34
12 trans-1,2-Dichloroethene	96		5.397	5.397	(0.666)	1185065	50.0000	59
131 Methyl Acetate	43		4.936	4.936	(0.609)	628467	50.0000	44
53 MTBE	73		5.397	5.397	(0.666)	1950861	50.0000	43

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
51 TBA	59	5.174	5.174	(0.639)	799219	1000.00	770
50 Acetonitrile	41	4.862	4.862	(0.600)	378254	1000.00	700
55 DIPE	45	5.962	5.962	(0.736)	2471552	50.0000	47
11 1,1-Dichloroethane	63	5.887	5.887	(0.727)	1894119	50.0000	63
57 Vinyl Acetate	43	5.962	5.962	(0.736)	1612719	50.0000	32
13 cis-1,2-Dichloroethene	96	6.616	6.616	(0.817)	1164626	50.0000	61
104 2,2-Dichloropropane	77	6.630	6.630	(0.818)	2177364	50.0000	62
59 Cyclohexane	56	7.403	7.403	(0.914)	1281705	50.0000	54
108 Bromochloromethane	128	6.928	6.928	(0.855)	787127	50.0000	56
15 Chloroform	83	7.002	7.002	(0.864)	2598714	50.0000	56
21 Carbon Tetrachloride	117	7.537	7.537	(0.930)	2287023	50.0000	58
20 1,1,1-Trichloroethane	97	7.299	7.299	(0.901)	2483622	50.0000	61
56 Ethyl Acetate	70	6.660	6.660	(0.822)	155385	100.000	72
92 1,1-Dichloropropene	75	7.507	7.507	(0.927)	1713777	50.0000	57
18 2-Butanone	72	6.616	6.616	(0.817)	49146	50.0000	33
28 Benzene	78	7.760	7.760	(0.958)	2357632	50.0000	52
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.656	7.656	(0.945)	1244146	50.0000	52
17 1,2-Dichloroethane	62	7.745	7.745	(0.956)	1614936	50.0000	54
* 19 Fluorobenzene	96	8.102	8.102	(1.000)	2927251	50.0000	
61 Isopropyl Acetate	43	7.760	7.760	(0.958)	2138931	100.000	72
132 Methyl cyclohexane	83	8.830	8.830	(1.090)	1336928	50.0000	51
25 Trichloroethene	95	8.562	8.562	(1.057)	1558751	50.0000	61
109 Dibromomethane	93	8.964	8.964	(1.106)	1041475	50.0000	51
23 1,2-Dichloropropane	63	8.815	8.815	(1.088)	920395	50.0000	50
22 Bromodichloromethane	83	9.127	9.127	(1.127)	2294839	50.0000	56
120 Methyl methacrylate	69	8.904	8.904	(1.099)	424129	50.0000	38
30 2-Chloroethyl Vinyl Ether	63	9.439	9.439	(1.165)	413090	50.0000	37
24 cis-1,3-Dichloropropene	75	9.647	9.647	(1.191)	1548238	50.0000	54
\$ 37 Toluene-d8 (SUR)	98	10.004	10.004	(0.860)	2277766	50.0000	56
38 Toluene	91	10.078	10.078	(0.866)	2881359	50.0000	57
118 Epichlorohydrin	57	9.528	9.528	(1.176)	992663	1000.00	690
35 Tetrachloroethene	166	10.732	10.732	(0.922)	1755544	50.0000	60
33 4-Methyl-2-Pentanone	43	9.796	9.796	(1.209)	397042	50.0000	38
29 trans-1,3-Dichloropropene	75	10.286	10.286	(0.884)	1339864	50.0000	56
27 1,1,2-Trichloroethane	83	10.494	10.494	(0.902)	646038	50.0000	50
26 Dibromochloromethane	129	10.985	10.985	(0.944)	1864583	50.0000	60
103 1,3-Dichloropropane	76	10.703	10.703	(0.920)	1281986	50.0000	52
66 1,2-Dibromoethane	107	11.134	11.134	(0.957)	1380877	50.0000	51
65 Butyl Acetate	43	10.881	10.881	(0.935)	1574890	100.000	85
34 2-Hexanone	43	10.762	10.762	(0.925)	232737	50.0000	40
* 32 Chlorobenzene-d5	117	11.639	11.639	(1.000)	2035342	50.0000	
39 Chlorobenzene	112	11.669	11.669	(1.003)	2212415	50.0000	58
40 Ethylbenzene	106	11.773	11.773	(1.011)	1004462	50.0000	57
97 1,1,1,2-Tetrachloroethane	131	11.743	11.743	(1.009)	1358438	50.0000	62
43 m+p-Xylene	106	11.892	11.892	(1.022)	2552304	100.000	120
44 o-Xylene	106	12.337	12.337	(1.060)	1202297	50.0000	60
42 Styrene	104	12.337	12.337	(1.060)	1995191	50.0000	60

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
31 Bromoform	173	12.560	12.560	(1.079)	1182306	50.0000	54
110 Isopropylbenzene	105	12.709	12.709	(1.092)	3805939	50.0000	59
\$ 41 Bromofluorobenzene (SUR)	174	12.902	12.902	(0.916)	1361164	50.0000	54
107 Bromobenzene	156	13.080	13.080	(0.928)	1307990	50.0000	54
112 n-Propylbenzene	91	13.140	13.140	(0.932)	4337575	50.0000	54
36 1,1,2,2-Tetrachloroethane	83	12.991	12.991	(0.922)	686911	50.0000	31
105 2-Chlorotoluene	91	13.259	13.259	(0.941)	2584872	50.0000	57
99 1,2,3-Trichloropropane	110	13.051	13.051	(0.926)	337605	50.0000	47
102 1,3,5-Trimethylbenzene	105	13.303	13.303	(0.944)	3210402	50.0000	56
106 4-Chlorotoluene	91	13.363	13.363	(0.948)	3611855	50.0000	57
115 tert-Butylbenzene	119	13.660	13.660	(0.969)	3259314	50.0000	56
100 1,2,4-Trimethylbenzene	105	13.705	13.705	(0.973)	3034275	50.0000	54
114 sec-Butylbenzene	105	13.883	13.883	(0.985)	4178457	50.0000	56
113 p-Isopropyltoluene	119	14.002	14.002	(0.994)	3647740	50.0000	57
67 1,3-Dichlorobenzene	146	14.032	14.032	(0.996)	1914577	50.0000	56
* 91 1,4-Dichlorobenzene-d4	152	14.091	14.091	(1.000)	1198944	50.0000	
68 1,4-Dichlorobenzene	146	14.106	14.106	(1.001)	2324331	50.0000	55
117 Benzyl chloride	91	14.225	14.225	(1.009)	1324274	50.0000	41
111 n-Butylbenzene	91	14.433	14.433	(1.024)	3368963	50.0000	56
69 1,2-Dichlorobenzene	146	14.522	14.522	(1.031)	1826995	50.0000	51
101 1,2-Dibromo-3-chloropropane	75	15.339	15.339	(1.089)	227486	50.0000	39
94 Hexachlorobutadiene	225	16.543	16.543	(1.174)	1434879	50.0000	58
93 1,2,4-Trichlorobenzene	180	16.350	16.350	(1.160)	1494585	50.0000	52
70 Naphthalene	128	16.692	16.692	(1.185)	1575986	50.0000	40
98 1,2,3-Trichlorobenzene	180	17.004	17.004	(1.207)	1196295	50.0000	47
M 14 1,2-Dichloroethene (total)	100				2349691	100.000	120
M 45 Xylene (Total)	100				3754601	150.000	180

Data File: /chem/V04982.1/82601011.SP/07-16-07/23aug07.lv/049236.d  
 Date: 23-AUG-2007 10:14  
 Client ID:  
 Sample Info: BST0235  
 Purge Volume: 5.0  
 Column Phase: Rtx-VMS

Instrument: V04982.1  
 Operator: V04982.3  
 Column diameter: 0.18



FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/26/07 Time: 0529

Lab File ID: B49254

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037

1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chloromethane	50.917617	50.000000	0.1056013	0.1	-1.84	50.00	LINR
Bromomethane	70.181221	50.000000	0.2710081		-40.36	50.00	2RDR
Vinyl Chloride	49.889400	50.000000	0.1963147		0.22	20.00	2RDR
Chloroethane	59.087986	50.000000	0.1456679		-18.18	50.00	2RDR
Methylene Chloride	0.2760000	0.2366621	0.2366621		14.25	50.00	AVRG
Acetone	38.336407	50.000000	0.0145134		23.33	50.00	2RDR
Carbon Disulfide	0.6440000	0.5926682	0.5926682		7.97	50.00	AVRG
Trichlorofluoromethane	64.211859	50.000000	0.8274110		-28.42	50.00	LINR
1,1-Dichloroethene	0.2760000	0.2553384	0.2553384		7.49	20.00	AVRG
1,1-Dichloroethane	0.5130000	0.5015106	0.5015106	0.1	2.24	50.00	AVRG
trans-1,2-Dichloroethene	0.3440000	0.3030134	0.3030134		11.91	50.00	AVRG
cis-1,2-Dichloroethene	0.3270000	0.3126022	0.3126022		4.40	50.00	AVRG
Chloroform	0.7980000	0.6779069	0.6779069		15.05	20.00	AVRG
1,2-Dichloroethane	0.5100000	0.4581524	0.4581524		10.17	50.00	AVRG
2-Butanone	0.0260000	0.0194402	0.0194402		25.23	50.00	AVRG
1,1,1-Trichloroethane	0.6980000	0.6526389	0.6526389		6.50	50.00	AVRG
Carbon Tetrachloride	0.6710000	0.5969794	0.5969794		11.03	50.00	AVRG
Bromodichloromethane	0.6960000	0.6226781	0.6226781		10.53	50.00	AVRG
1,2-Dichloropropane	0.3140000	0.2578098	0.2578098		17.89	20.00	AVRG
cis-1,3-Dichloropropene	0.4940000	0.4394927	0.4394927		11.03	50.00	AVRG
Trichloroethene	0.4380000	0.4416391	0.4416391		-0.83	50.00	AVRG
Dibromochloromethane	0.7680000	0.7156413	0.7156413		6.82	50.00	AVRG
1,1,2-Trichloroethane	0.3200000	0.2691909	0.2691909		15.88	50.00	AVRG
Benzene	0.7760000	0.6491694	0.6491694		16.34	50.00	AVRG
trans-1,3-Dichloropropene	0.5910000	0.5397126	0.5397126		8.68	50.00	AVRG
2-Chloroethyl Vinyl Ether	42.455164	50.000000	0.1598475		15.09	50.00	LINR
Bromoform	0.5340000	0.5139114	0.5139114	0.1	3.76	50.00	AVRG
4-Methyl-2-Pentanone	0.1770000	0.1690205	0.1690205		4.51	50.00	AVRG
2-Hexanone	49.964113	50.000000	0.1442995		0.07	50.00	LINR
Tetrachloroethene	0.7240000	0.6258208	0.6258208		13.56	50.00	AVRG
1,1,2,2-Tetrachloroethane	0.9220000	0.5110592	0.5110592	0.3	44.57	50.00	AVRG
Toluene	1.2380000	1.0787154	1.0787154		12.87	20.00	AVRG
Chlorobenzene	0.9320000	0.8289378	0.8289378	0.3	11.06	50.00	AVRG
Ethylbenzene	0.4300000	0.3717337	0.3717337		13.55	20.00	AVRG
Styrene	0.8220000	0.7579018	0.7579018		7.80	50.00	AVRG
Xylene (Total)	0.5260000	0.4722294	0.4722294		10.22	50.00	AVRG
Ethyl Ether	0.1840000	0.1610467	0.1610467		12.47	50.00	AVRG
Acrolein	0.0000000				0.00	99.00	AVRG
Freon TF	0.7080000	0.6834216	0.6834216		3.47	50.00	AVRG
Isopropanol	0.0000000				0.00	50.00	AVRG
Acetonitrile	0.0090000	0.0071618	0.0071618		20.42	50.00	AVRG
TBA	0.0180000	0.0183897	0.0183897		-2.16	50.00	AVRG

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FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/26/07 Time: 0529

Lab File ID: B49254

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037 1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Acrylonitrile	0.0000000				0.00	50.00	AVRG
MTBE	0.7750000	0.6872953	0.6872953		11.32	50.00	AVRG
Hexane	0.0000000				0.00	50.00	AVRG
DIPE	0.8950000	0.8252103	0.8252103		7.80	50.00	AVRG
Ethyl Acetate	0.0370000	0.0299989	0.0299989		18.92	50.00	AVRG
Vinyl Acetate	0.8740000	0.5463499	0.5463499		37.49	50.00	AVRG
Tetrahydrofuran	0.0000000				0.00	50.00	AVRG
Cyclohexane	0.4030000	0.3770684	0.3770684		6.43	50.00	AVRG
Isobutanol	0.0000000				0.00	50.00	AVRG
Isopropyl Acetate	0.5050000	0.4387062	0.4387062		13.13	50.00	AVRG
n-Heptane	0.0000000				0.00	50.00	AVRG
n-Butanol	0.0000000				0.00	50.00	AVRG
Propyl Acetate	0.0000000	100.00000	0.0000000		0.00	50.00	2RDR
Butyl Acetate	0.4540000	0.4316779	0.4316779		4.92	50.00	AVRG
1,2-Dibromoethane	0.6680000	0.5554723	0.5554723		16.84	50.00	AVRG
1,3-Dichlorobenzene	1.4180000	1.2051075	1.2051075		15.01	50.00	AVRG
1,4-Dichlorobenzene	1.7470000	1.5326705	1.5326705		12.27	50.00	AVRG
1,2-Dichlorobenzene	1.4980000	1.2259889	1.2259889		18.16	50.00	AVRG
Naphthalene	1.6190000	1.1778362	1.1778362		27.25	50.00	AVRG
Methylnaphthalene (total)	1.0230000				100.00	50.00	AVRG
Dimethylnaphthalene (total)	0.5860000				100.00	50.00	AVRG
Dichlorodifluoromethane	53.787661	50.000000	0.4853337		-7.58	50.00	2RDR
1,1-Dichloropropene	0.5170000	0.4551868	0.4551868		11.96	50.00	AVRG
1,2,4-Trichlorobenzene	1.1940000	0.9487828	0.9487828		20.54	50.00	AVRG
Hexachlorobutadiene	1.0320000	0.8498141	0.8498141		17.65	50.00	AVRG
1,4-Dioxane	0.0000000				0.00	50.00	AVRG
Methyl Acrylate	0.0000000				0.00	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.5400000	0.5070530	0.5070530		6.10	50.00	AVRG
1,2,3-Trichlorobenzene	1.0560000	0.8010551	0.8010551		24.14	50.00	AVRG
1,2,3-Trichloropropane	0.2970000	0.2591391	0.2591391		12.75	50.00	AVRG
1,2,4-Trimethylbenzene	2.3330000	1.9684545	1.9684545		15.62	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.2410000	0.1870886	0.1870886		22.37	50.00	AVRG
1,3,5-Trimethylbenzene	2.4060000	2.0693040	2.0693040		13.99	50.00	AVRG
1,3-Dichloropropane	0.6090000	0.5120921	0.5120921		15.91	50.00	AVRG
2,2-Dichloropropane	0.6040000	0.5599103	0.5599103		7.30	50.00	AVRG
2-Chlorotoluene	1.8970000	1.7363617	1.7363617		8.47	50.00	AVRG
4-Chlorotoluene	2.6440000	2.4283675	2.4283675		8.16	50.00	AVRG
Bromobenzene	1.0120000	0.8740659	0.8740659		13.63	50.00	AVRG
Bromochloromethane	0.2420000	0.2205669	0.2205669		8.86	50.00	AVRG
Dibromomethane	0.3510000	0.3050703	0.3050703		13.08	50.00	AVRG
Isopropylbenzene	1.5850000	1.4113106	1.4113106		10.96	50.00	AVRG
n-Butylbenzene	2.5100000	2.1455135	2.1455135		14.52	50.00	AVRG

page 2 of 4

FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/26/07 Time: 0529

Lab File ID: B49254

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037 1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
n-Propylbenzene	3.3260000	2.8408119	2.8408119		14.59	50.00	AVRG
p-Isopropyltoluene	2.6650000	2.3424166	2.3424166		12.10	50.00	AVRG
sec-Butylbenzene	3.1010000	2.7279452	2.7279452		12.03	50.00	AVRG
tert-Butylbenzene	2.4360000	2.1214250	2.1214250		12.91	50.00	AVRG
Allyl chloride	0.0000000				0.00	50.00	AVRG
Benzyl chloride	41.406336	50.000000	1.1239999		17.19	50.00	LINR
Epichlorohydrin	0.0240000	0.0175111	0.0175111		27.04	50.00	AVRG
Isoprene	0.2660000	0.2574880	0.2574880		3.20	50.00	AVRG
Methyl methacrylate	0.1890000	0.1719064	0.1719064		9.04	50.00	AVRG
n-Pentane	0.0490000	0.0457174	0.0457174		6.70	50.00	AVRG
Allyl alcohol	0.0000000				0.00	50.00	AVRG
2-Octanol	0.0000000				0.00	50.00	AVRG
2-Octanone	0.0000000				0.00	50.00	AVRG
Ethyl Acrylate	0.0000000				0.00	50.00	AVRG
Butyl Acrylate	0.0000000				0.00	50.00	AVRG
Butyl Methacrylate	0.0000000				0.00	50.00	AVRG
Ethyl methacrylate	0.0000000				0.00	50.00	AVRG
Ethanol	0.0000000				0.00	50.00	AVRG
Methyl Acetate	0.2420000	0.2146695	0.2146695		11.29	50.00	AVRG
Methyl cyclohexane	0.4510000	0.4168966	0.4168966		7.56	50.00	AVRG
Cyclohexanone	0.0000000				0.00	50.00	AVRG
p-Ethyltoluene	0.0000000				0.00	50.00	AVRG
1,4-Diethylbenzene	0.0000000				0.00	50.00	AVRG
1,2,4,5-Tetramethylbenzene	0.0000000				0.00	50.00	AVRG
Propylene Oxide	0.0000000				0.00	50.00	AVRG
Camphene (total)	0.0000000				0.00	50.00	AVRG
Camphor	0.0000000				0.00	50.00	AVRG
Amyl Acetate	0.0000000				0.00	50.00	AVRG
2-Methylnaphthalene	0.0000000				0.00	50.00	AVRG
1-Chlorohexane	0.0000000				0.00	50.00	AVRG
Chlorotrifluoromethane	0.0000000				0.00	50.00	AVRG
Chlorodifluoromethane	0.0000000				0.00	50.00	AVRG
tert-Amylmethyl Ether	0.0000000				0.00	50.00	AVRG
Iodomethane	0.0000000				0.00	50.00	AVRG
trans-1,4-Dichloro-2-butene	0.0000000				0.00	50.00	AVRG
Acetaldehyde	0.0000000				0.00	50.00	AVRG
1,3,5-Trichlorobenzene	0.0000000				0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000				0.00	50.00	AVRG
1-Bromo-2-chloroethane	0.0000000				0.00	50.00	AVRG
4-Chlorobenzotrifluoride	0.0000000				0.00	50.00	AVRG
2-Chloropropene	0.0000000				0.00	50.00	AVRG
tert-Butyl ethyl ether	0.0000000			0.01	0.00	50.00	AVRG

page 3 of 4

FORM 7B  
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS2

Calibration Date: 08/26/07 Time: 0529

Lab File ID: B49254

Init. Calib. Date(s): 07/16/07 07/16/07

Init. Calib. Times: 1037 1405

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
-----	-----	-----	-----	-----	-----	-----	-----
1,3-Butadiene	0.0000000			0.01	0.00	50.00	AVRG
1-Propene	0.0000000				0.00	50.00	AVRG
2-Chloropropane	0.0000000				0.00	50.00	AVRG
1-Chloropropane	0.0000000				0.00	50.00	AVRG
-----	-----	-----	-----	-----	-----	-----	-----
1,2-Dichloroethane-d4 (SUR)	0.4100000	0.4067137	0.4067137		0.80	50.00	AVRG
Toluene-d8 (SUR)	0.9940000	0.9751524	0.9751524		1.90	50.00	AVRG
Bromofluorobenzene (SUR)	1.0410000	1.0790506	1.0790506		-3.66	50.00	AVRG



STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/b49254.d  
 Lab Smp Id: BSTS238  
 Inj Date : 26-AUG-2007 05:29  
 Operator : VOAMS 3  
 Smp Info : BSTD238  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/8260H\_06.m  
 Meth Date : 26-Aug-2007 05:45 riaz  
 Cal Date : 16-JUL-2007 14:05  
 Als bottle: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i  
 Quant Type: ISTD  
 Cal File: b48900.d  
 Continuing Calibration Sample  
 Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ( ug/L)	ON-COL ( ug/L)
90 Dichlorodifluoromethane	85	2.681	2.681	(0.328)	1491712	50.0000	54
1 Chloromethane	50	2.934	2.934	(0.359)	324574	50.0000	51
4 Vinyl Chloride	62	3.068	3.068	(0.376)	603389	50.0000	50
3 Bromomethane	94	3.469	3.469	(0.425)	832965	50.0000	70
5 Chloroethane	64	3.588	3.588	(0.439)	447722	50.0000	59
121 n-Pentane	72	4.019	4.019	(0.492)	140516	50.0000	46
9 Trichlorofluoromethane	101	3.930	3.930	(0.481)	2543114	50.0000	64
119 Isoprene	67	4.316	4.316	(0.529)	791410	50.0000	48
46 Ethyl Ether	59	4.286	4.286	(0.525)	494990	50.0000	44
10 1,1-Dichloroethene	96	4.569	4.569	(0.560)	784803	50.0000	46
8 Carbon Disulfide	76	4.881	4.881	(0.598)	1821613	50.0000	46
48 Freon TF	101	4.569	4.569	(0.560)	2100551	50.0000	48
6 Methylene Chloride	84	5.134	5.134	(0.629)	727400	50.0000	43
7 Acetone	58	4.628	4.628	(0.567)	44608	50.0000	38
12 trans-1,2-Dichloroethene	96	5.475	5.475	(0.671)	931336	50.0000	44
131 Methyl Acetate	43	5.000	5.000	(0.612)	659804	50.0000	44
53 MTBE	73	5.461	5.461	(0.669)	2112457	50.0000	44

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
-----	----	--	-----	-----	-----	-----	-----
51 TBA	59	5.238	5.238	(0.641)	1130447	1000.00	1000
50 Acetonitrile	41	4.911	4.911	(0.601)	440250	1000.00	780
55 DIPE	45	6.040	6.040	(0.740)	2536350	50.0000	46
11 1,1-Dichloroethane	63	5.966	5.966	(0.731)	1541433	50.0000	49
57 Vinyl Acetate	43	6.025	6.025	(0.738)	1679250	50.0000	31
13 cis-1,2-Dichloroethane	96	6.694	6.694	(0.820)	960808	50.0000	48
104 2,2-Dichloropropane	77	6.709	6.709	(0.822)	1720929	50.0000	46
59 Cyclohexane	56	7.482	7.482	(0.916)	1158950	50.0000	47
108 Bromochloromethane	128	7.006	7.006	(0.858)	677930	50.0000	46
15 Chloroform	83	7.081	7.081	(0.867)	2083601	50.0000	42
21 Carbon Tetrachloride	117	7.601	7.601	(0.931)	1834864	50.0000	44
20 1,1,1-Trichloroethane	97	7.363	7.363	(0.902)	2005938	50.0000	47
56 Ethyl Acetate	70	6.739	6.739	(0.825)	184408	100.000	81
92 1,1-Dichloropropene	75	7.586	7.586	(0.929)	1399053	50.0000	44
18 2-Butanone	72	6.694	6.694	(0.820)	59751	50.0000	38
28 Benzene	78	7.838	7.838	(0.960)	1995274	50.0000	42
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.734	7.734	(0.947)	1250067	50.0000	50
17 1,2-Dichloroethane	62	7.824	7.824	(0.958)	1408168	50.0000	45
* 19 Fluorobenzene	96	8.165	8.165	(1.000)	3073580	50.0000	
61 Isopropyl Acetate	43	7.838	7.838	(0.960)	2696797	100.000	87
132 Methyl cyclohexane	83	8.894	8.894	(1.089)	1281365	50.0000	46
25 Trichloroethene	95	8.626	8.626	(1.056)	1357413	50.0000	50
109 Dibromomethane	93	9.027	9.027	(1.106)	937658	50.0000	43
23 1,2-Dichloropropane	63	8.879	8.879	(1.087)	792399	50.0000	41
22 Bromodichloromethane	83	9.191	9.191	(1.126)	1913851	50.0000	45
120 Methyl methacrylate	69	8.968	8.968	(1.098)	528368	50.0000	45
30 2-Chloroethyl Vinyl Ether	63	9.518	9.518	(1.166)	491304	50.0000	42
24 cis-1,3-Dichloropropene	75	9.726	9.726	(1.191)	1350816	50.0000	44
\$ 37 Toluene-d8 (SUR)	98	10.068	10.068	(0.860)	2272106	50.0000	49
38 Toluene	91	10.142	10.142	(0.867)	2513408	50.0000	44
118 Epichlorohydrin	57	9.592	9.592	(1.175)	1076438	1000.00	720(H)
35 Tetrachloroethene	166	10.796	10.796	(0.923)	1458163	50.0000	43
33 4-Methyl-2-Pentanone	43	9.860	9.860	(1.207)	519498	50.0000	48
29 trans-1,3-Dichloropropene	75	10.350	10.350	(0.884)	1257531	50.0000	46
27 1,1,2-Trichloroethane	83	10.573	10.573	(0.903)	627215	50.0000	42
26 Dibromochloromethane	129	11.049	11.049	(0.944)	1667445	50.0000	47
103 1,3-Dichloropropane	76	10.766	10.766	(0.920)	1193175	50.0000	42
66 1,2-Dibromoethane	107	11.197	11.197	(0.957)	1294251	50.0000	42
65 Butyl Acetate	43	10.945	10.945	(0.935)	2011620	100.000	95
34 2-Hexanone	43	10.826	10.826	(0.925)	336218	50.0000	50
* 32 Chlorobenzene-d5	117	11.703	11.703	(1.000)	2330001	50.0000	
39 Chlorobenzene	112	11.732	11.732	(1.003)	1931426	50.0000	44
40 Ethylbenzene	106	11.836	11.836	(1.011)	866140	50.0000	43
97 1,1,1,2-Tetrachloroethane	131	11.807	11.807	(1.009)	1181434	50.0000	47
43 m+p-Xylene	106	11.955	11.955	(1.022)	2252388	100.000	89
44 o-Xylene	106	12.401	12.401	(1.060)	1048497	50.0000	46
42 Styrene	104	12.401	12.401	(1.060)	1765912	50.0000	46

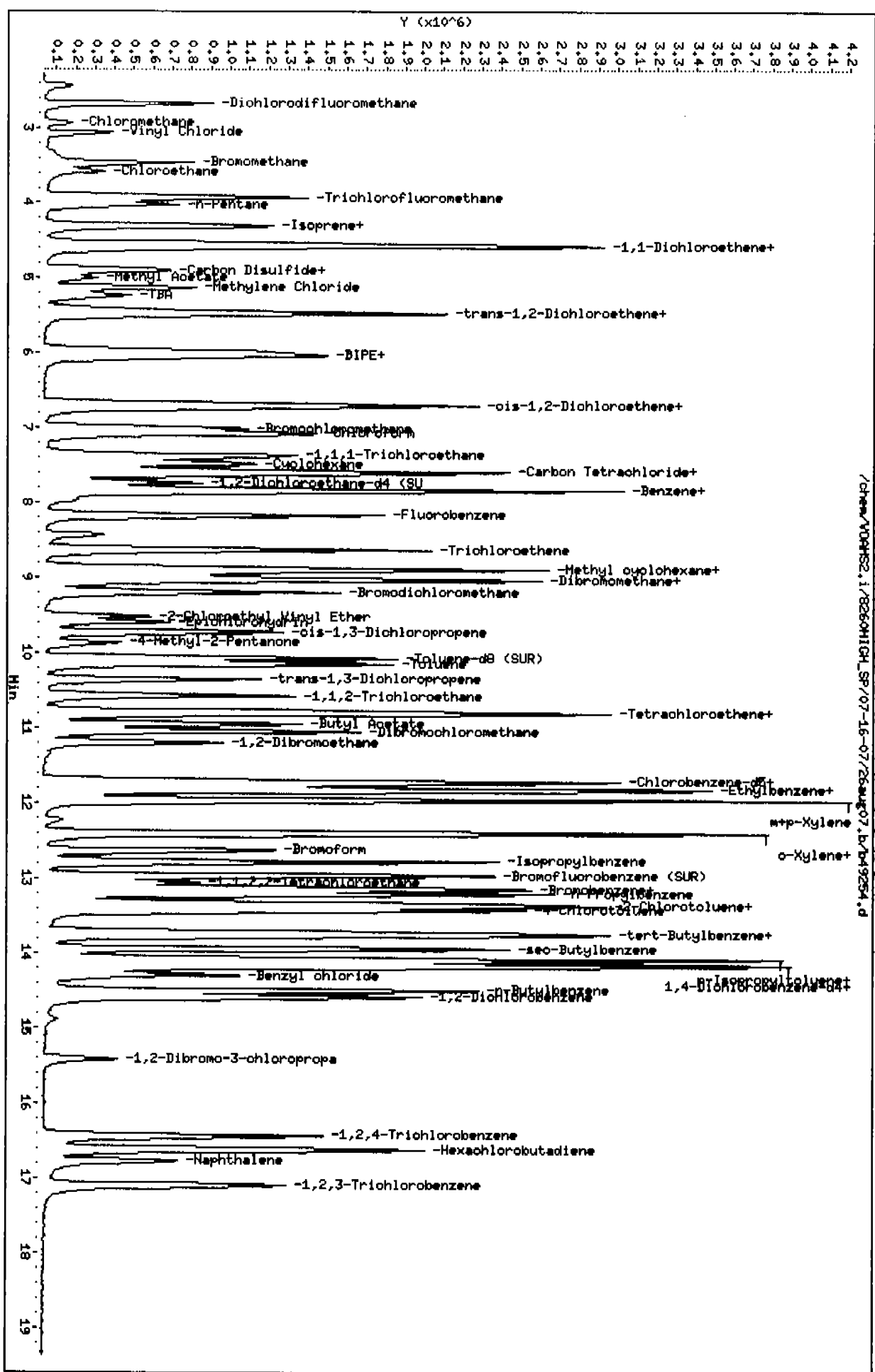
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT ( ug/L)	ON-COL ( ug/L)
31 Bromoform	173	12.639	12.639	(1.080)	1197414	50.0000	48
110 Isopropylbenzene	105	12.773	12.773	(1.091)	3288355	50.0000	44
\$ 41 Bromofluorobenzene (SUR)	174	12.966	12.966	(0.916)	1414767	50.0000	52
107 Bromobenzene	156	13.144	13.144	(0.929)	1146007	50.0000	43
112 n-Propylbenzene	91	13.204	13.204	(0.933)	3724651	50.0000	43
36 1,1,2,2-Tetrachloroethane	83	13.055	13.055	(0.922)	670061	50.0000	28
105 2-Chlorotoluene	91	13.322	13.322	(0.941)	2276582	50.0000	46
99 1,2,3-Trichloropropane	110	13.114	13.114	(0.926)	339763	50.0000	44
102 1,3,5-Trimethylbenzene	105	13.367	13.367	(0.944)	2713110	50.0000	43
106 4-Chlorotoluene	91	13.427	13.427	(0.949)	3183886	50.0000	46
115 tert-Butylbenzene	119	13.724	13.724	(0.970)	2781447	50.0000	44
100 1,2,4-Trimethylbenzene	105	13.768	13.768	(0.973)	2580884	50.0000	42
114 sec-Butylbenzene	105	13.947	13.947	(0.985)	3576669	50.0000	44
113 p-Isopropyltoluene	119	14.080	14.080	(0.995)	3071194	50.0000	44
67 1,3-Dichlorobenzene	146	14.095	14.095	(0.996)	1580043	50.0000	42
* 91 1,4-Dichlorobenzene-d4	152	14.155	14.155	(1.000)	1311122	50.0000	
68 1,4-Dichlorobenzene	146	14.184	14.184	(1.002)	2009518	50.0000	44
117 Benzyl chloride	91	14.303	14.303	(1.010)	1473701	50.0000	41
111 n-Butylbenzene	91	14.497	14.497	(1.024)	2813030	50.0000	43
69 1,2-Dichlorobenzene	146	14.601	14.601	(1.031)	1607421	50.0000	41
101 1,2-Dibromo-3-chloropropane	75	15.418	15.418	(1.089)	245296	50.0000	39
94 Hexachlorobutadiene	225	16.622	16.622	(1.174)	1114210	50.0000	41
93 1,2,4-Trichlorobenzene	180	16.443	16.443	(1.162)	1243970	50.0000	40
70 Naphthalene	128	16.770	16.770	(1.185)	1544287	50.0000	36
98 1,2,3-Trichlorobenzene	180	17.097	17.097	(1.208)	1050281	50.0000	38
M 14 1,2-Dichloroethene (total)	100				1892144	100.000	92
M 45 Xylene (Total)	100				3300885	150.000	130

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /chem/V04482.1/8260101\_SP/07-16-07/26aug07.b/b49254.d  
 Date: 26-AUG-2007 05:29  
 Client ID:  
 Sample Info: BSTD238  
 Purge Volume: 5.0  
 Column phase: Rtx-VHS

Instrument: V04482.1  
 Operator: V04482.3  
 Column diameter: 0.18



## Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY  
METHOD 8260B

Matrix: WATER

Level: LOW

Lab Job No: K084

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	BV234T	92	100	102		0
02	854473	102	104	107		0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

S1 = 1,2-Dichloroethane-d4 (65-144)  
 S2 = Toluene-d8 (63-141)  
 S3 = Bromofluorobenzene (60-146)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY  
METHOD 8260B

Matrix: WATER

Level: LOW

Lab Job No: 6799

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	6799BS	101	101	99		0
02	BV234T	92	100	102		0
03	BV235T	104	104	107		0
04	854470	106	108	112		0
05	854470MS	106	113	106		0
06	BV238T	106	112	119		0
07	854470MSD	114	107	108		0
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

S1 = 1,2-Dichloroethane-d4 (65-144)  
 S2 = Toluene-d8 (63-141)  
 S3 = Bromofluorobenzene (60-146)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

## Spike Recovery Summary



VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY  
METHOD 8260B

Matrix: LEACHATE

Matrix Spike - Lab Sample No.: 854470

Level: LOW

MS Sample from Lab Job No: K083

QA Batch: 6799

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Vinyl Chloride	50	0.00	53	106	55-155
1,1-Dichloroethene	50	0.00	50	100	56-130
Chloroform	50	0.00	48	96	69-130
1,2-Dichloroethane	50	0.00	52	104	66-140
2-Butanone	50	0.00	40	80	56-147
Carbon Tetrachloride	50	0.00	52	104	57-145
Trichloroethene	50	0.00	60	120	64-132
Benzene	50	0.00	47	94	67-127
Tetrachloroethene	50	0.00	52	104	56-150
Chlorobenzene	50	0.00	52	104	76-130

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Vinyl Chloride	50	52	104	2	40	55-155
1,1-Dichloroethene	50	50	100	0	40	56-130
Chloroform	50	64	128	29	40	69-130
1,2-Dichloroethane	50	52	104	0	40	66-140
2-Butanone	50	43	86	7	40	56-147
Carbon Tetrachloride	50	46	92	12	40	57-145
Trichloroethene	50	55	110	9	40	64-132
Benzene	50	44	88	7	40	67-127
Tetrachloroethene	50	46	92	12	40	56-150
Chlorobenzene	50	49	98	6	40	76-130

# Column to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

RPD: 0 out of 10 outside limits

Spike Recovery: 0 out of 20 outside limits

COMMENTS:

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Data File: /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/b49241.d  
 Report Date: 27-Aug-2007 11:14

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/b49241.d  
 Lab Smp Id: 854470 Client Smp ID: PATHHARRISON2279  
 Inj Date : 23-AUG-2007 15:17  
 Operator : VOAMS 3 Inst ID: VOAMS2.i  
 Smp Info : 854470  
 Misc Info : K083;6799;;MR  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/8260H\_06.m  
 Meth Date : 23-Aug-2007 16:26 riaz Quant Type: ISTD  
 Cal Date : 16-JUL-2007 14:05 Cal File: b48900.d  
 Als bottle: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: TCLP.sub  
 Target Version: 3.50

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

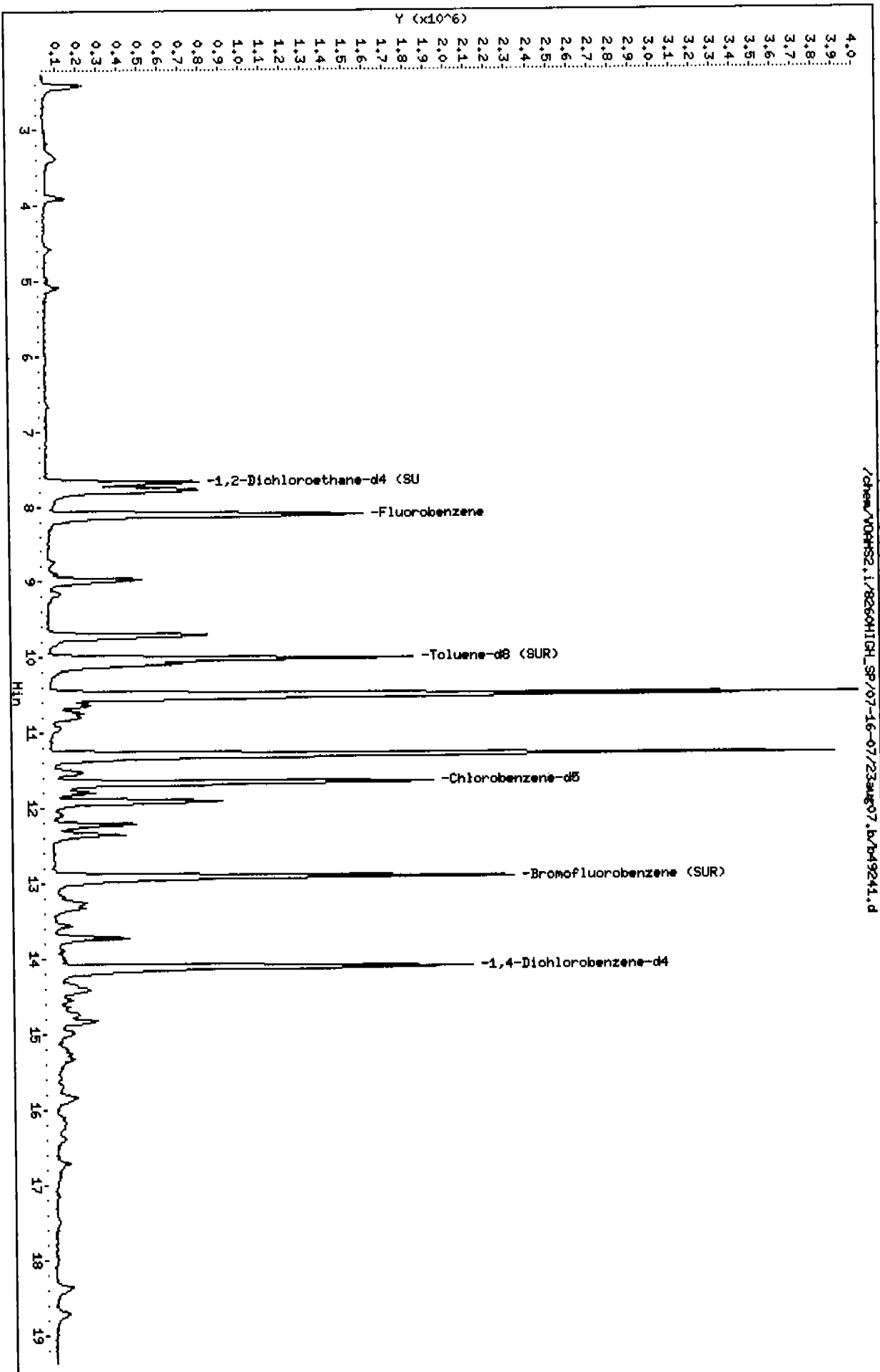
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.685	7.656	(0.947)	1207771	53.0556	53
* 19 Fluorobenzene	96	8.116	8.102	(1.000)	2775530	50.0000	
\$ 37 Toluene-d8 (SUR)	98	10.018	10.004	(0.860)	2294230	54.2264	54
* 32 Chlorobenzene-d5	117	11.653	11.639	(1.000)	2128742	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	12.916	12.902	(0.916)	1405844	56.0431	56
* 91 1,4-Dichlorobenzene-d4	152	14.105	14.091	(1.000)	1204859	50.0000	

Data File: /chem/V04H52.1/8260HIGH\_SP/07-16-07/23aug07.b/b49241.d  
 Date: 23-AUG-2007 15:17  
 Client ID: PATHEMERISON2279  
 Sample Info: 854470  
 Purge Volume: 5.0  
 Column Phase: Rtx-VMS

Instrument: V04H52.1  
 Operator: V04H5 3  
 Column diameter: 0.18



Data File: /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/b49247.d  
 Report Date: 27-Aug-2007 11:34

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/b49247.d  
 Lab Smp Id: 854470MS  
 Inj Date : 23-AUG-2007 18:06  
 Operator : VOAMS 3  
 Smp Info : 854470MS  
 Misc Info : K083;6799;;MR  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/8260H\_06.m  
 Meth Date : 23-Aug-2007 16:26 riaz  
 Cal Date : 16-JUL-2007 14:05  
 Als bottle: 15  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Inst ID: VOAMS2.i

Quant Type: ISTD  
 Cal File: b48900.d  
 QC Sample: MS

Compound Sublist: TCLP.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

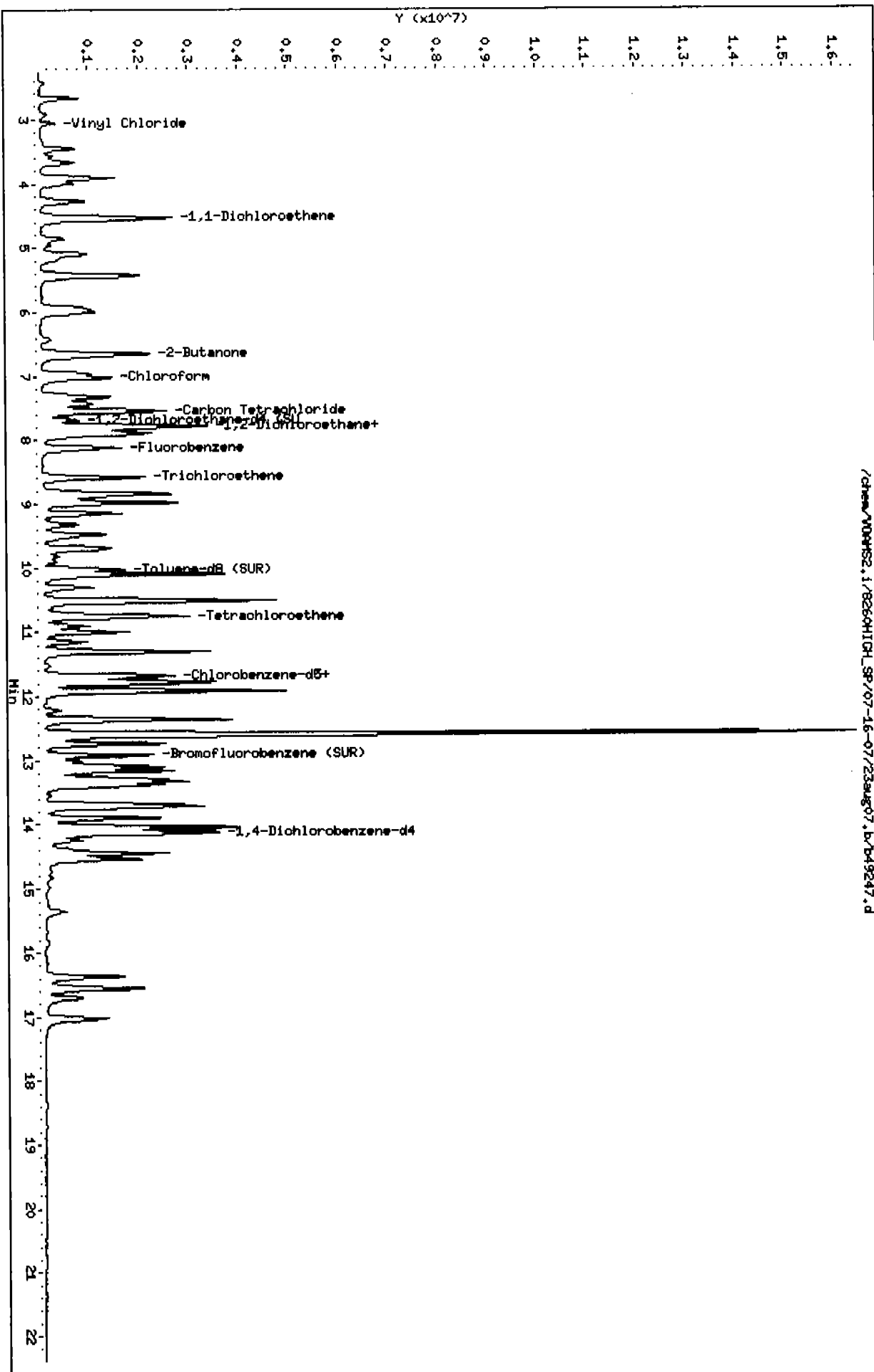
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
4 Vinyl Chloride	62	3.064	3.034	(0.377)	559170	52.8976	53
10 1,1-Dichloroethene	96	4.535	4.505	(0.559)	743154	49.9273	50
18 2-Butanone	72	6.645	6.616	(0.819)	54758	39.5511	40
15 Chloroform	83	7.032	7.002	(0.866)	2086951	48.4325	48
21 Carbon Tetrachloride	117	7.567	7.537	(0.932)	1898124	52.3706	52
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.686	7.656	(0.947)	1175613	53.1085	53
17 1,2-Dichloroethane	62	7.775	7.745	(0.958)	1420014	51.6034	52
28 Benzene	78	7.790	7.760	(0.960)	1988918	47.4592	47
* 19 Fluorobenzene	96	8.117	8.102	(1.000)	2698941	50.0000	
25 Trichloroethene	95	8.577	8.562	(1.057)	1428027	60.3350	60
\$ 37 Toluene-d8 (SUR)	98	10.019	10.004	(0.860)	2083609	56.5229	56
35 Tetrachloroethene	166	10.747	10.732	(0.922)	1399291	52.1141	52
* 32 Chlorobenzene-d5	117	11.654	11.639	(1.000)	1854764	50.0000	
39 Chlorobenzene	112	11.683	11.669	(1.003)	1799207	52.0298	52
\$ 41 Bromofluorobenzene (SUR)	174	12.917	12.902	(0.916)	1232107	52.8738	53
* 91 1,4-Dichlorobenzene-d4	152	14.106	14.091	(1.000)	1119254	50.0000	

Data File: /chem/V00HS2.1/8260101\_SP/07-16-07/23aug07.b/b49247.d  
Date: 23-AUG-2007 18:06  
Client ID: PATHEARISON2279HS  
Sample Info: 854470HS  
Purge Volume: 5.0  
Column Phase: Rtx-VHS

Instrument: V00HS2.1  
Operator: V00HS 3  
Column diameter: 0.18



STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/b49259.d  
 Lab Smp Id: 854470MSD  
 Inj Date : 26-AUG-2007 08:06  
 Operator : VOAMS 3  
 Smp Info : 854470MSD  
 Misc Info : K083;6799;;MR  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/8260H\_06.m  
 Meth Date : 26-Aug-2007 05:45 riaz  
 Cal Date : 16-JUL-2007 14:05  
 Als bottle: 16  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50  
 Processing Host: hpd2

Inst ID: VOAMS2.i

Quant Type: ISTD  
 Cal File: b48900.d  
 QC Sample: MSD

Compound Sublist: TCLP.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

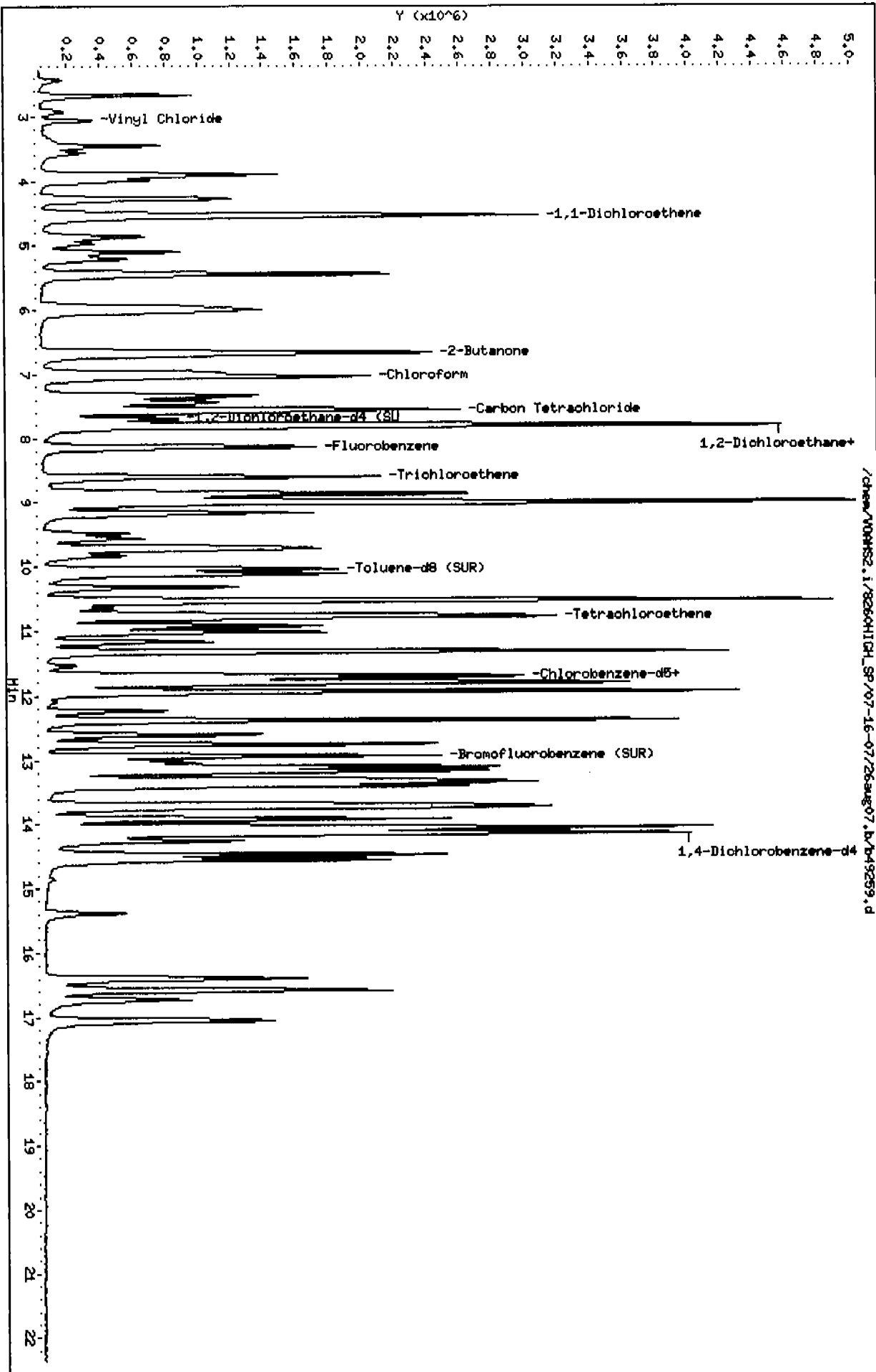
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
4 Vinyl Chloride	62	3.049	3.068	(0.375)	601058	51.9732	52
10 1,1-Dichloroethene	96	4.550	4.569	(0.560)	822170	50.5606	50
18 2-Butanone	72	6.660	6.694	(0.819)	65386	43.2300	43
15 Chloroform	83	7.032	7.081	(0.865)	3020610	64.1668	64
21 Carbon Tetrachloride	117	7.567	7.601	(0.931)	1843008	46.5459	46
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.700	7.734	(0.947)	1375059	56.8608	57
17 1,2-Dichloroethane	62	7.790	7.824	(0.958)	1574793	52.3842	52
28 Benzene	78	7.804	7.838	(0.960)	2036937	44.4910	44
* 19 Fluorobenzene	96	8.131	8.165	(1.000)	2948504	50.0000	
25 Trichloroethene	95	8.592	8.626	(1.057)	1428157	55.2333	55
\$ 37 Toluene-d8 (SUR)	98	10.034	10.068	(0.860)	2305722	53.5681	54
35 Tetrachloroethene	166	10.762	10.796	(0.922)	1454300	46.3865	46
* 32 Chlorobenzene-d5	117	11.669	11.703	(1.000)	2165697	50.0000	
39 Chlorobenzene	112	11.698	11.732	(1.003)	1974987	48.9132	49
\$ 41 Bromofluorobenzene (SUR)	174	12.932	12.966	(0.916)	1445514	53.8263	54
* 91 1,4-Dichlorobenzene-d4	152	14.121	14.155	(1.000)	1289879	50.0000	

Data File: /chem/V09HS2.1/82601101\_SP/07-16-07/26aug07.b/b49259.d  
 Date: 26-AUG-2007 09:06  
 Client ID: PATHEARRISON2279HSJ  
 Sample Info: 854470HSJ  
 Purge Volume: 5.0  
 Column Phase: Rtx-VMS

Instrument: V09HS2.1  
 Operator: V09HS 3  
 Column diameter: 0.18



VOLATILE BLANK SPIKE RECOVERY  
METHOD 8260B

QA Batch: 6799

Compound	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC.	QC. LIMITS REC.
Vinyl Chloride	50	48	96	55-155
1,1-Dichloroethene	50	54	108	56-130
Chloroform	50	50	100	69-130
1,2-Dichloroethane	50	52	104	66-140
2-Butanone	50	34	68	56-147
Carbon Tetrachloride	50	52	104	57-145
Trichloroethene	50	60	120	64-132
Benzene	50	48	96	67-127
Tetrachloroethene	50	53	106	56-150
Chlorobenzene	50	52	104	76-130

# Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 10 outside limits



STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/b49222.d  
 Lab Smp Id: 6799BS Client Smp ID: 6799BS  
 Inj Date : 22-AUG-2007 10:44  
 Operator : VOAMS 3 Inst ID: VOAMS2.i  
 Smp Info : 6799BS  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/22aug07.b/8260H\_06.m  
 Meth Date : 22-Aug-2007 11:03 riaz Quant Type: ISTD  
 Cal Date : 16-JUL-2007 14:05 Cal File: b48900.d  
 Als bottle: 4 QC Sample: METHSPIKE  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: TCLP.sub  
 Target Version: 3.50  
 Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

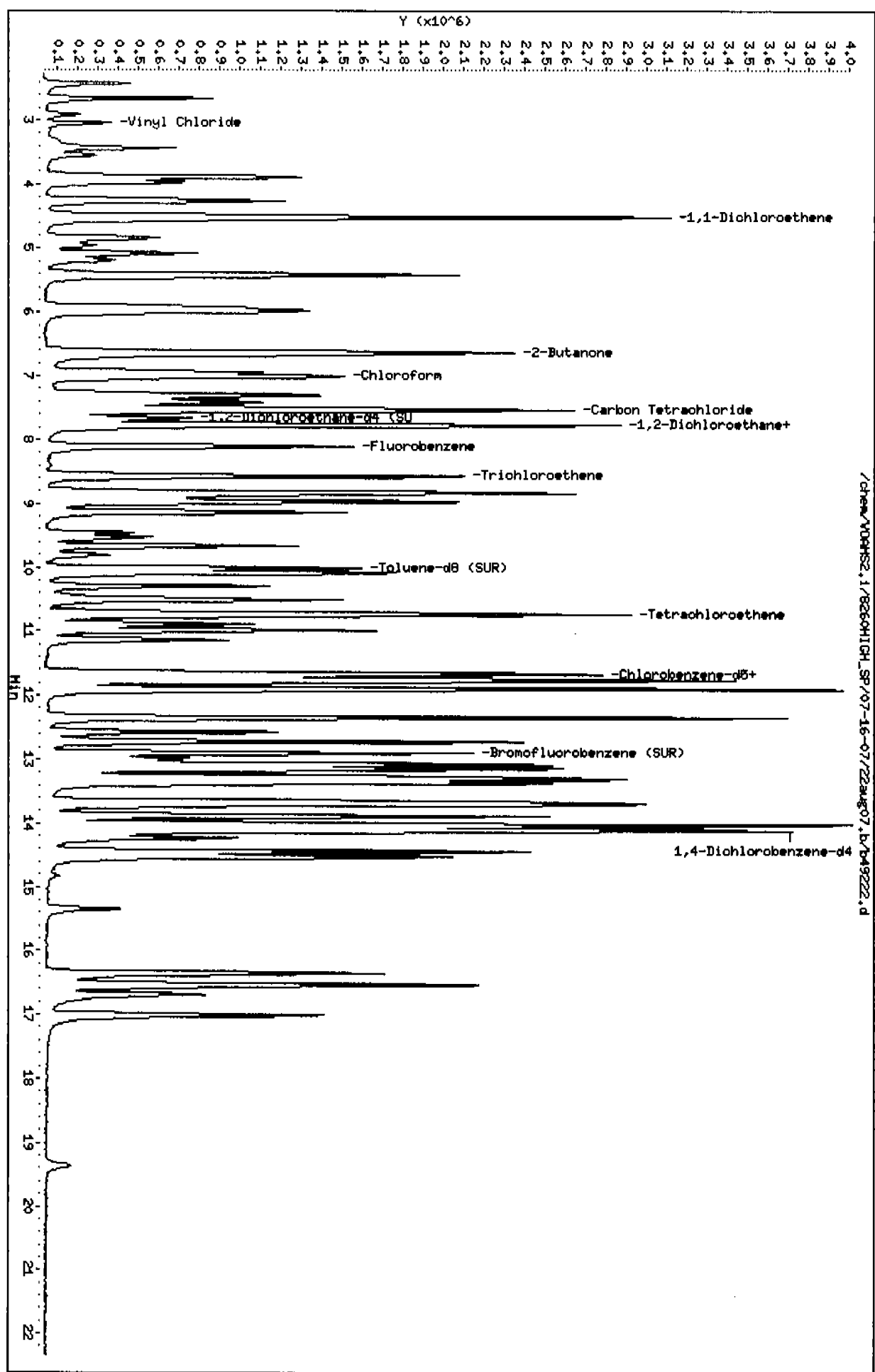
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
4 Vinyl Chloride	62	3.049	3.019	(0.376)	523886	48.2034	48
10 1,1-Dichloroethene	96	4.520	4.505	(0.558)	824495	54.2720	54
18 2-Butanone	72	6.630	6.601	(0.818)	47948	33.9319	34
15 Chloroform	83	7.017	6.987	(0.866)	2195028	49.9107	50
21 Carbon Tetrachloride	117	7.537	7.522	(0.930)	1934940	52.3069	52
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.671	7.656	(0.947)	1145418	50.6982	51
17 1,2-Dichloroethane	62	7.760	7.745	(0.958)	1461240	52.0279	52
28 Benzene	78	7.775	7.760	(0.960)	2037580	47.6373	48
* 19 Fluorobenzene	96	8.102	8.087	(1.000)	2754637	50.0000	
25 Trichloroethene	95	8.562	8.563	(1.057)	1438773	59.5600	60
\$ 37 Toluene-d8 (SUR)	98	10.004	9.989	(0.858)	1988820	50.6430	51
35 Tetrachloroethene	166	10.747	10.732	(0.922)	1510333	52.8002	53
* 32 Chlorobenzene-d5	117	11.654	11.639	(1.000)	1975936	50.0000	
39 Chlorobenzene	112	11.683	11.669	(1.003)	1916873	52.0332	52
\$ 41 Bromofluorobenzene (SUR)	174	12.902	12.887	(0.916)	1209975	49.7264	50
* 91 1,4-Dichlorobenzene-d4	152	14.091	14.091	(1.000)	1168719	50.0000	

Data File: /chem/VOHHS2.1/8260HIGH\_SP/07-16-07/22aug07.b/D49222.d  
 Date: 22-AUG-2007 10:44  
 Client ID: 679988  
 Sample Info: 679988  
 Purge Volume: 5.0  
 Column Phase: Rtx-VHS

Instrument: V04HS2.1  
 Operator: V04HS 3  
 Column diameter: 0.18



VOLATILE BLANK SPIKE RECOVERY  
METHOD 8260B

QA Batch: BV235BS DAILY BS 8/23/07 VOA-MS2

Compound	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC.	QC. LIMITS REC.
Vinyl Chloride	50	53	106	55-155
1,1-Dichloroethene	50	58	116	56-130
Chloroform	50	55	110	69-130
1,2-Dichloroethane	50	55	110	66-140
2-Butanone	50	40	80	56-147
Carbon Tetrachloride	50	58	116	57-145
Trichloroethene	50	65	130	64-132
Benzene	50	54	108	67-127
Tetrachloroethene	50	60	120	56-150
Chlorobenzene	50	59	118	76-130

# Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 10 outside limits

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/b49237.d  
 Lab Smp Id: BV235BS  
 Inj Date : 23-AUG-2007 10:40  
 Operator : VOAMS 3  
 Smp Info : BV235BS  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/23aug07.b/8260H\_06.m  
 Meth Date : 23-Aug-2007 16:26 riaz  
 Cal Date : 16-JUL-2007 14:05  
 Als bottle: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50  
 Processing Host: hpd2

Inst ID: VOAMS2.i

Quant Type: ISTD  
 Cal File: b48900.d  
 QC Sample: METHSPIKE

Compound Sublist: TCLP.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

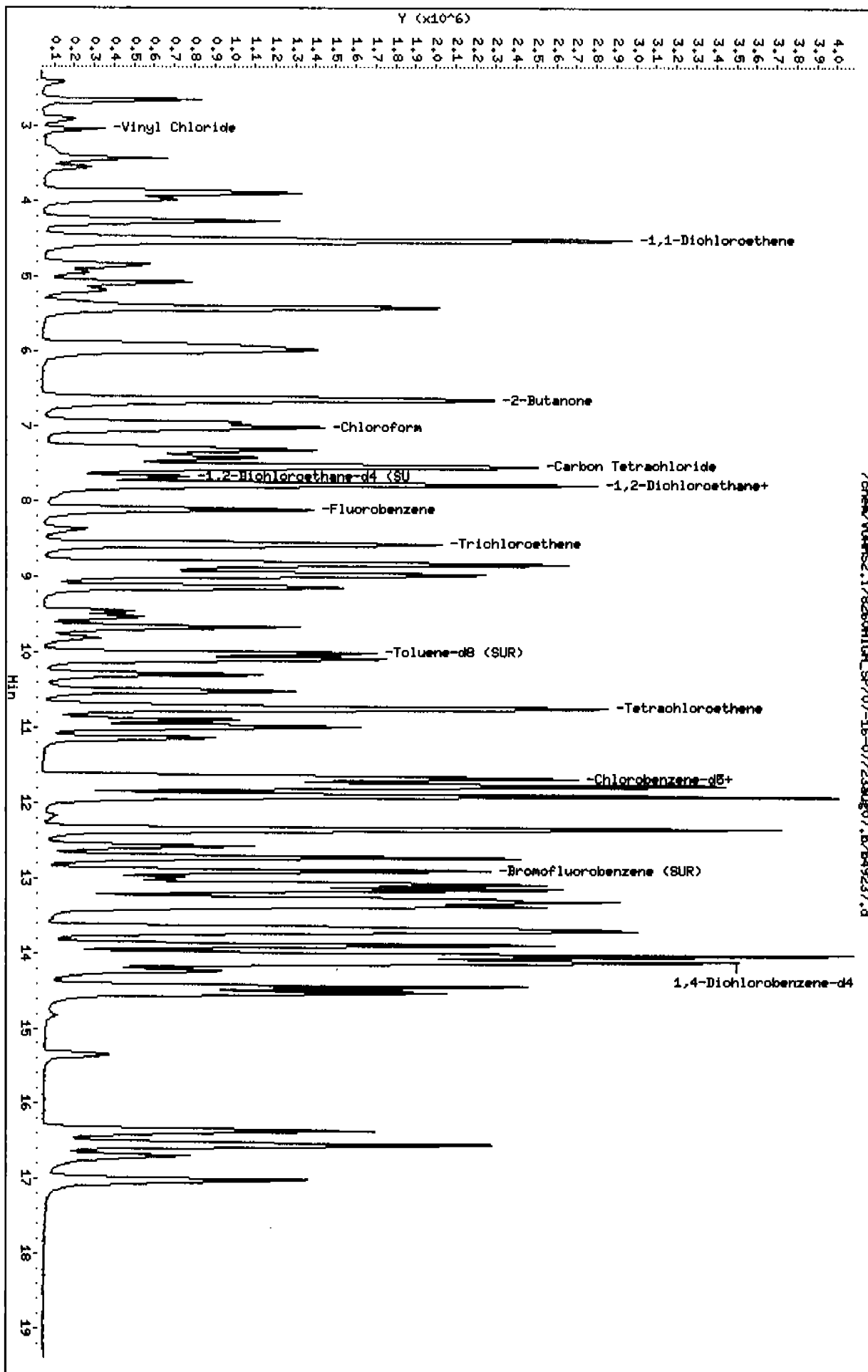
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
4 Vinyl Chloride	62	3.048	3.034	(0.376)	512541	53.2549	53
10 1,1-Dichloroethene	96	4.534	4.505	(0.559)	790372	58.2895	58
18 2-Butanone	72	6.615	6.616	(0.815)	50572	40.0976	40
15 Chloroform	83	7.016	7.002	(0.864)	2153675	54.8661	55
21 Carbon Tetrachloride	117	7.551	7.537	(0.930)	1917297	58.0699	58
§ 16 1,2-Dichloroethane-d4 (SUR)	65	7.670	7.656	(0.945)	1156011	57.3272	57
17 1,2-Dichloroethane	62	7.774	7.745	(0.958)	1384796	55.2422	55
28 Benzene	78	7.774	7.760	(0.958)	2066466	54.1291	54
* 19 Fluorobenzene	96	8.116	8.102	(1.000)	2458634	50.0000	
25 Trichloroethene	95	8.562	8.562	(1.055)	1398074	64.8429	65
§ 37 Toluene-d8 (SUR)	98	10.003	10.004	(0.858)	2125461	61.2157	61
35 Tetrachloroethene	166	10.746	10.732	(0.922)	1515219	59.9134	60
* 32 Chlorobenzene-d5	117	11.653	11.639	(1.000)	1746977	50.0000	
39 Chlorobenzene	112	11.683	11.669	(1.003)	1925774	59.1259	59
§ 41 Bromofluorobenzene (SUR)	174	12.901	12.902	(0.916)	1295730	61.0183	61
* 91 1,4-Dichlorobenzene-d4	152	14.090	14.091	(1.000)	1019942	50.0000	

Data File: /chem/VOHHS2.1/8260H10H\_SP/07-16-07/23aug07.lb/b49237.d  
 Date: 23-AUG-2007 10:40  
 Client ID:  
 Sample Info: BV23SBS  
 Purge Volume: 5.0  
 Column phase: Rtx-VHS

Instrument: VOHHS2.1  
 Operator: VOHHS 3  
 Column diameter: 0.18



VOLATILE BLANK SPIKE RECOVERY  
METHOD 8260B

QA Batch: BV23

*Daily BS 8-26*

Compound	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC.	QC. LIMITS REC.
Vinyl Chloride	50	52	104	55-155
1,1-Dichloroethene	50	49	98	56-130
Chloroform	50	44	88	69-130
1,2-Dichloroethane	50	46	92	66-140
2-Butanone	50	36	72	56-147
Carbon Tetrachloride	50	47	94	57-145
Trichloroethene	50	52	104	64-132
Benzene	50	44	88	67-127
Tetrachloroethene	50	50	100	56-150
Chlorobenzene	50	49	98	76-130

# Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 10 outside limits

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/b49255.d  
 Lab Smp Id: BV238BS  
 Inj Date : 26-AUG-2007 06:14  
 Operator : VOAMS 3  
 Smp Info : BV238BS  
 Misc Info :  
 Comment :  
 Method : /chem/VOAMS2.i/8260HIGH\_SP/07-16-07/26aug07.b/8260H\_06.m  
 Meth Date : 26-Aug-2007 05:45 riaz  
 Cal Date : 16-JUL-2007 14:05  
 Als bottle: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50  
 Processing Host: hpd2

Inst ID: VOAMS2.i

Quant Type: ISTD

Cal File: b48900.d

QC Sample: METHSPIKE

Compound Sublist: TCLP.sub

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	SampleVolume

Cpnd Variable

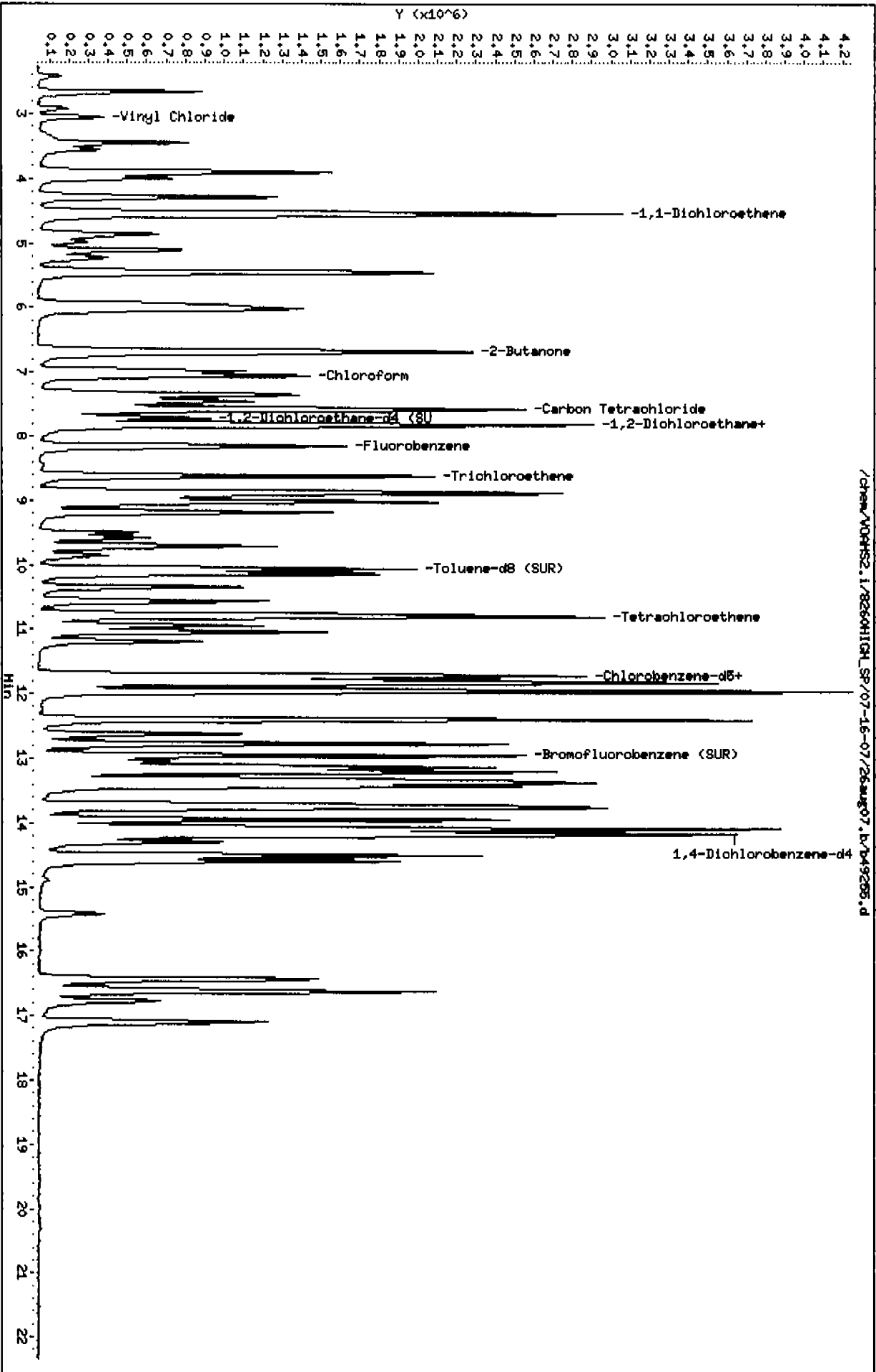
Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN ( ug/L)	FINAL ( ug/L)
4 Vinyl Chloride	62	3.063	3.068	(0.375)	610562	51.9939	52	
10 1,1-Dichloroethene	96	4.549	4.569	(0.557)	809856	49.0461	49	
18 2-Butanone	72	6.675	6.694	(0.818)	55385	36.0611	36	
15 Chloroform	83	7.061	7.081	(0.865)	2104300	44.0220	44	
21 Carbon Tetrachloride	117	7.596	7.601	(0.931)	1888547	46.9708	47	
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	7.715	7.734	(0.945)	1331562	54.2249	54	
17 1,2-Dichloroethane	62	7.819	7.824	(0.958)	1392704	45.6228	46	
28 Benzene	78	7.834	7.838	(0.960)	2036352	43.8020	44	
* 19 Fluorobenzene	96	8.161	8.165	(1.000)	2994028	50.0000		
25 Trichloroethene	95	8.621	8.626	(1.056)	1358148	51.7270	52	
\$ 37 Toluene-d8 (SUR)	98	10.063	10.068	(0.860)	2563411	61.0647	61	
35 Tetrachloroethene	166	10.791	10.796	(0.922)	1528754	49.9975	50	
* 32 Chlorobenzene-d5	117	11.698	11.703	(1.000)	2112152	50.0000		
39 Chlorobenzene	112	11.728	11.732	(1.003)	1929383	48.9951	49	
\$ 41 Bromofluorobenzene (SUR)	174	12.961	12.966	(0.916)	1507099	60.9909	61	
* 91 1,4-Dichlorobenzene-d4	152	14.150	14.155	(1.000)	1186855	50.0000		

Data File: /chem/V04HS2.1/8264101L\_SP/07-16-07/26aug07.lv/b49285.d  
Date: 26-AUG-2007 06:14

Client ID:  
Sample Info: BV2388S  
Purge Volume: 5.0  
Column phase: Rtx-VHS

Instrument: V04HS2.1  
Operator: V04HS 3  
Column diameter: 0.18





## Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B49221

Date Analyzed: 08/22/07

Instrument ID: VOAMS2

Time Analyzed: 1018

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	3016373	8.09	2089990	11.64	1229144	14.09
UPPER LIMIT	6032746	8.59	4179980	12.14	2458288	14.59
LOWER LIMIT	1508186	7.59	1044995	11.14	614572	13.59
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BV234T	2981350	8.09	2266234	11.64	1252205	14.09
02 854473	2804099	8.10	2148156	11.64	1239201	14.09
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

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

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B49221

Date Analyzed: 08/22/07

Instrument ID: VOAMS2

Time Analyzed: 1018

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	3016373	8.09	2089990	11.64	1229144	14.09
UPPER LIMIT	6032746	8.59	4179980	12.14	2458288	14.59
LOWER LIMIT	1508186	7.59	1044995	11.14	614572	13.59
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 6799BS	2754637	8.10	1975936	11.65	1168719	14.09
02 BV234T	2981350	8.09	2266234	11.64	1252205	14.09
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

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

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B49236

Date Analyzed: 08/23/07

Instrument ID: VOAMS2

Time Analyzed: 1014

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	2927251	8.10	2035342	11.64	1198944	14.09
UPPER LIMIT	5854502	8.60	4070684	12.14	2397888	14.59
LOWER LIMIT	1463626	7.60	1017671	11.14	599472	13.59
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BV235T	3173601	8.11	2389786	11.64	1303009	14.10
02 854470	2775530	8.12	2128742	11.65	1204859	14.11
03 854470MS	2698941	8.12	1854764	11.65	1119254	14.11
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

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

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B49254

Date Analyzed: 08/26/07

Instrument ID: VOAMS2

Time Analyzed: 0529

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	3073580	8.17	2330001	11.70	1311122	14.15
UPPER LIMIT	6147160	8.67	4660002	12.20	2622244	14.65
LOWER LIMIT	1536790	7.67	1165000	11.20	655561	13.65
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 BV238T	2634517	8.17	1940589	11.70	1085453	14.16
02 854470MSD	2948504	8.13	2165697	11.67	1289879	14.12
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 = Fluorobenzene  
 IS2 (CBZ) = Chlorobenzene-d5  
 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.

## Injection Log Book

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: XVOAMS2.1  
Analytical Batch: /chem/XVOAMS2.1/CLP04/07-16-07/16jul07.b

Date Generated: 07/17/2007  
Page 1

\*

Date	Data File	ALS	Sample ID	Client ID	Job #	QA	TV/IM	FV	Dil	Sublist	LFB	PH	STD LOT	COMMENTS
07/16/07	2137 B48912 <del>9</del>	2	BBFB197A			0		0	1	all				N/G
07/16/07	2201 B48913 <del>9</del>	2	BBFB197A			0		0	1	all				N/G
07/16/07	2249 B48914 <del>9</del>	3	BSTD010			5		10000	1	CLP				G
07/16/07	2315 B48915 <del>9</del>	4	BSTD020			5		10000	1	CLP				G
07/16/07	2342 B48916 <del>9</del>	5	BSTD050			5		10000	1	CLP				G
07/17/07	0009 B48917 <del>9</del>	6	BSTD100			5		10000	1	CLP				G
07/17/07	0103 B48918 <del>9</del>	7	BSTD200			5		10000	1	CLP				G
07/17/07	0130 B48919 <del>9</del>	8	BLK			5		10000	1	CLP				N/G
07/17/07	0156 B48920 <del>9</del>	9	MDL #01			5		0	1	CLP				G
07/17/07	0223 B48921 <del>9</del>	10	MDL #02			5		0	1	CLP				G
07/17/07	0249 B48922 <del>9</del>	11	MDL #03			5		0	1	CLP				G NOT USED
07/17/07	0316 B48923 <del>9</del>	12	MDL #04			5		0	1	CLP				G
07/17/07	0342 B48924 <del>9</del>	13	MDL #05			5		0	1	CLP				G
07/17/07	0409 B48925 <del>9</del>	14	MDL #06			5		0	1	CLP				G, Not used

CLP 04  
MAY 1  
V07-405  
Ox404  
V07-406  
V07-409  
SS 100  
V07-409  
V07-407  
BFB SS  
MASC:

\*A Q's appended to all data files. Duplicate data file numbers used.  
7-20-07

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: XVOANS2.i  
Analytical Batch: /chem/XVOANS2.i/CLP04/07-16-07/16jul07.b

Date Generated: 07/17/2007  
Page 2

Date	Data File	ALS	Sample ID	Client ID	Job #	QA	IV/IM	FV	Dil Fac	Sublist	LPB	PH	STD LOT	COMMENTS
07/17/07	0435	b48928d	15	MDL #07	16jul	5	0	1	1	CLP				G
07/17/07	0502	b48928d	16	MDL #08	16jul	5	0	1	1	CLP				G
07/17/07	0528	b48928d	1	MDL #09	16jul	5	0	1	1	CLP				G
07/17/07	0555	b48928d	3	MDL #10	16jul	5	0	1	1	CLP				G Not used.

Signed: *Ken Boyki*

Read and Understood by:

*Ellie Murray*

Date: 7.17.2007

Date: 7.17.2007

\* "a" appended to all data files. Duplicate data file numbers used.  
 @D 7-20-07



STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.1  
Analytical Batch: /chem/VOAMS2.1/8260HIGH\_SP/07-16-07/22aug07.B

Date Generated: 08/23/2007  
Page 1

Date	Data File	AUS	Sample ID	Client ID	Job #	QA	IV/IM	PV	Dil Fac	Subst	LPB	PI	STD LOT	COMMENTS
08/22/07	0947	B49220.d	2	BBFB234			0		1	all			W7-524	G
08/22/07	1018	B49221.d	3	BSTD234			5		1	all				G
08/22/07	1044	B49222.d	4	BS			5		1	TCLP			-471	G
08/22/07	1135	B49223.d	6	BV233T			5		1	TCLP			-472	G
08/22/07	1203	B49224.d	7	BV233A			5		1	all			-475	G
08/22/07	1323	B49225.d	3	Z082107	#17		5		1	TCLP			-526	NK
08/22/07	1349	B49226.d	4	854473	K084	6727	5		1	TCLP			233T	G
08/22/07	1415	B49227.d	5	853332	K084	6727	5		1	TCLP				G
08/22/07	1634	B49228.d	6	PRE PURG	J903	6727	5		1	TCLP				G
08/22/07	2006	B49229.d	3	Z082207	J903	6727	5		1	TCLP				-
08/22/07	2032	B49230.d	4	854047	K018	6727	5		1	TCLP				G
08/22/07	2101	B49231.d	5	854046	K018	6727	5		1	TCLP				G
08/22/07	2130	B49232.d	6	854044	K018	6727	5		1	TCLP				G
08/22/07	2159	B49233.d	7	854045	K018	6727	5		1	TCLP				G

NK out of cloud

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.1

Analytical Batch: /chem/VOAMS2.1/8260HIGH\_SP/07-16-07/22aug07.b

Date Generated: 08/23/2007

Page 2

Date	Data File	ALS	Sample ID	Client ID	Job #	QA	IV/IM	FV	Dil Fac	Sublist	LPB	PH	STD LOT	COMMENTS
08/22/07	2229	8	854043	S6-C6	K018	6727	S	0	1	TCTIP	8V 233			NG out of cell

Signed: Analytical Data Read and Understood by: Christina Young

Date: 8/23/07 Date: 8-24-07

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.1  
Analytical Batch: /chem/VOAMS2.1/8260HIGH\_SP/07-16-07/23aug07.b

Date Generated: 08/24/2007  
Page 1

Date	Data File	ALS	Sample ID	Client ID	Job #	QA	IV/	FV	Dil	Substc	LPB	PH	STD LOT	COMMENTS
08/23/07	0941 b49235.d	2	BBFB235			0	0	0	1	all				G
08/23/07	1014 b49236.d	3	BSTD235			5	0	0	1	all				N07-536 G
08/23/07	1040 b49237.d	5	BS BY235 R5			5	0	0	1	TCLP				G G
08/23/07	1223 b49238.d	6	BV235		23au	5	0	0	1	TCLP				G G (WU)
08/23/07	1257 b49239.d	7	BV235T			5	0	0	1	TCLP				G G
08/23/07	1451 b49240.d	3	854043	86-C6	K018	5	0	0	1	TCLP				G G
08/23/07	1517 b49241.d	4	854470	PATHEARRISON2279	K083	5	0	0	1	TCLP				G G
08/23/07	1543 b49242.d	5	854471	PATHEARRISON2282	K083	5	0	0	1	TCLP				G G
08/23/07	1610 b49243.d	6	853924	WC-2	K004	5	0	0	2	TCLP				G G
08/23/07	1638 b49244.d	7	Z082207		WATE	5	0	0	1	TCLP				G G
08/23/07	1707 b49245.d	8	854467	PAPT_11-33	K081	5	0	0	1	TCLP				G G
08/23/07	1737 b49246.d	9	854472	PATHEARRISON2289	K083	5	0	0	5000	TCLP				RE 25000 G
08/23/07	1806 b49247.d	15	854470MS		K083	5	0	0	1	TCLP				G (WU) G
08/23/07	1835 b49248.d	16	854470MSD		K083	5	0	0	1	TCLP				NG G

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.1  
Analytical Batch: /chem/VOAMS2.1/8260HTCH\_SP/07-16-07/23aug07.b

Date Generated: 08/24/2007  
Page 2

Date	Data File	ALS	Sample ID	Client ID	Job #	QA	IV/IM	FV	D11 Pac	Substac	IPB	PH	STD LOT	COMMENTS
08/23/07	2037	b49249.d	10	BLK		23au	5	0	1	TCLP				Nil
08/23/07	2105	b49250.d	11	854472	PANTHARRISON289	K083	6799	5	0	25000	TCLP			5V 235T G

Signed: *Madhukar Kulkarni* Read and Understood by: *Jessica A. Vetter*  
Date: *8/24/07* Date: *8-24-07*

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.1  
Analytical Batch: /chem/VOAMS2.1/8260HIGH\_sp/07-16-07/26aug07.b

Date Generated: 08/27/2007  
Page 1

Date	Data File	ALS	Sample ID	Client ID	Job #	QA	IV/IM	FV	Dil Fac	Sublist	LPB	PH	STD LOT	COMMENTS
08/26/07	0425 b49251.d	2	BBFB238			0		0	1	all			V07-536	g
08/26/07	0447 b49252.d	2	BBFB238			0		0	1	all			-471	NG
08/26/07	0502 b49253.d	3	BSTD238			5		0	1	all			-472	NG
08/26/07	0529 b49254.d	5	BSTS238			5		0	1	all			-475	g
08/26/07	0614 b49255.d	5	BS			5		0	1	TCLP			-477	g
08/26/07	0643 b49256.d	6	BV238T			5		0	1	TCLP			V-538	g
08/26/07	0714 b49257.d	1	BV238			5		0	1	TCLP				NA
08/26/07	0740 b49258.d	15	854470MS		K083	6799		0	1	TCLP	BV-238			NG using 8/27/07
08/26/07	0806 b49259.d	16	854470MSD		K083	6799		0	1	TCLP				g
08/26/07	0835 b49260.d	3	Z082307		#17	5		0	1	TCLP				g
08/26/07	0901 b49261.d	4	854045		K018	6727		0	1	TCLP				g
08/26/07	0927 b49262.d	5	853512	SB-4a	K124	6799		0	1	TCLP				g
08/26/07	0953 b49263.d	6	853913	SB-4b	K124	6799		0	1	TCLP				g
08/26/07	1019 b49264.d	7	854763	FR-PS-B-001	K105	6799		0	1	TCLP				g

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS2.1  
Analytical Batch: /chem/VOAMS2.1/8260HIGH\_SP/07-16-07/26aug07.b

Date Generated: 08/27/2007  
Page 2

Date	Data File	ALS	Sample ID	Client ID	Job #	QA	IV/ IW	FV	Dil Fac	Substc	LPB	PH	STD LOT	COMMENTS
08/26/07	1045 b49265.d	8	854764	PK-EF-05-001	KI05	6799 5	0	0	5	TCLP				G
08/26/07	1111 b49266.d	9	853915	70202_Dock_Concr	K002	6799 5	0	0	1	TCLP				G 258
08/26/07	1137 b49267.d	10	854727	SF0801_081707	K098	6799 5	0	0	1	TCLP				G
08/26/07	1203 b49268.d	11	854968	Ra11CardIrt	KI32	6799 5	0	0	1	TCLP				G
08/26/07	1230 b49269.d	12	854969	RollAlighDir	KI32	6799 5	0	0	1	TCLP				G
08/26/07	1256 b49270.d	13	855881	MCI	K269	6799 5	0	0	1	TCLP				G
08/26/07	1322 b49271.d	14	Z082507		#17	5	0	0	1	TCLP				G
	b49272.d	1			26au	5	0	0	1	TCLP				G nu

Signed: *Michael M. ...* Read and Understood by: *S. McCary*  
Date: 8/27/07 Date: 8/27/07

SOA	SAMPLE	#	AMOUNT	Fund AMT	MATRY	START Date/Time	END Date/Time	COMMENTS
J955	853586	# 1	25g	soam	SOLID	8-16-07 6:00M	8-17-07 10:00M	2F 081307
J955	853587	# 4	25g	soam	↓			
J962	853719	# 5	25g	soam	↓			
	Blank	# 17		soam				

**TCLP / ZHE PREP**

Relinquished \_\_\_\_\_ Date 8-17-07  
 By: MM  
 To: CP

TEMP 23 22RLM

J983	853859	# 4	25g	soam	SOLID	8-17-07 6:00M	8-18-07 10:00M	2F 081307
J983	853860	# 7	25g	soam				
J983	853861	# 8	25g	soam				
J983	853862	# 9	25g	soam				
J983	853863	# 11	25g	soam				
J983	853864	# 12	25g	soam				
J983	853865	# 13	25g	soam				
J983	853866	# 18	25g	soam				
	Blank	# 17		soam				

**TCLP / ZHE PREP**

Relinquished \_\_\_\_\_ Date 8-18-07  
 By: MM  
 To: Storage

TEMP 2 22RLM

J903	853332	10	25g	SOCAI	Solid	8-20-07 6pm	8-21-07 10am	2F 081307
K084	854473	19	25g	SOCAI	↓			
	Blank	17		SOCAI				

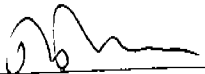
**TCLP / ZHE PREP**

Relinquished \_\_\_\_\_ Date 8-20-07  
 By: ke  
 To: 3

Temp 21°

Continued on Page \_\_\_\_\_

Read and Understood By \_\_\_\_\_



8-16-07

Date

## **GC/MS Forms and Data (Semivolatiles)**

Results Summary and Chromatograms



Client ID: SED-WC-1  
Site: National Grid

Lab Sample No: 854473  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Prepped: 08/21/07  
Date Extacted: 08/24/07  
Date Analyzed: 08/25/07  
Lab File ID: s29510.d

Leachate Volume: 250.0 ml  
Extract Final Volume: 2.0 ml  
Dilution Factor: 1.0  
GC Column: DB-5  
Instrument ID: BNAMS2.i

### TOXICITY CHARACTERISTIC LEACHING PROCEDURE

#### EXTRACTABLE ORGANICS

<u>Parameter</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Quantitation Limit Units: mg/l</u>
o-Cresol	ND	200 (a)	0.040
m&p-Cresol	ND	200 (a)	0.040
2,4,6-Trichlorophenol	ND	2.0	0.040
2,4,5-Trichlorophenol	ND	400	0.040
Pentachlorophenol	ND	100	0.12
1,4-Dichlorobenzene	ND	7.5	0.040
Hexachloroethane	ND	3.0	0.0040
Nitrobenzene	ND	2.0	0.0040
Hexachlorobutadiene	ND	0.5	0.0080
2,4-Dinitrotoluene	ND	0.13	0.0080
Hexachlorobenzene	ND	0.13	0.0040
Pyridine	ND	5.0	0.040

(a) If o-, m-, and p-cresol concentrations cannot be differentiated, the total cresol concentration is used. The regulatory level of total cresol is 200 mg/l.

Data File: /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/s29510.d  
 Report Date: 25-Aug-2007 07:31

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/s29510.d  
 Lab Smp Id: 854473 Client Smp ID: SED-WC-1  
 Inj Date : 25-AUG-2007 03:42  
 Operator : BNAMS 4 Inst ID: BNAMS2.i  
 Smp Info : 854473;3853544  
 Misc Info : K084;EB236;QA5191  
 Comment :  
 Method : /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/8270C\_06.m  
 Meth Date : 24-Aug-2007 21:47 rusin Quant Type: ISTD  
 Cal Date : 20-AUG-2007 20:46 Cal File: s29408.d  
 Als bottle: 11  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50

Compound Sublist: jTCLP.sub

Concentration Formula: Amt \* DF \* 1000 \* Vt / Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	250.00000	Volume of sample extracted (mL)

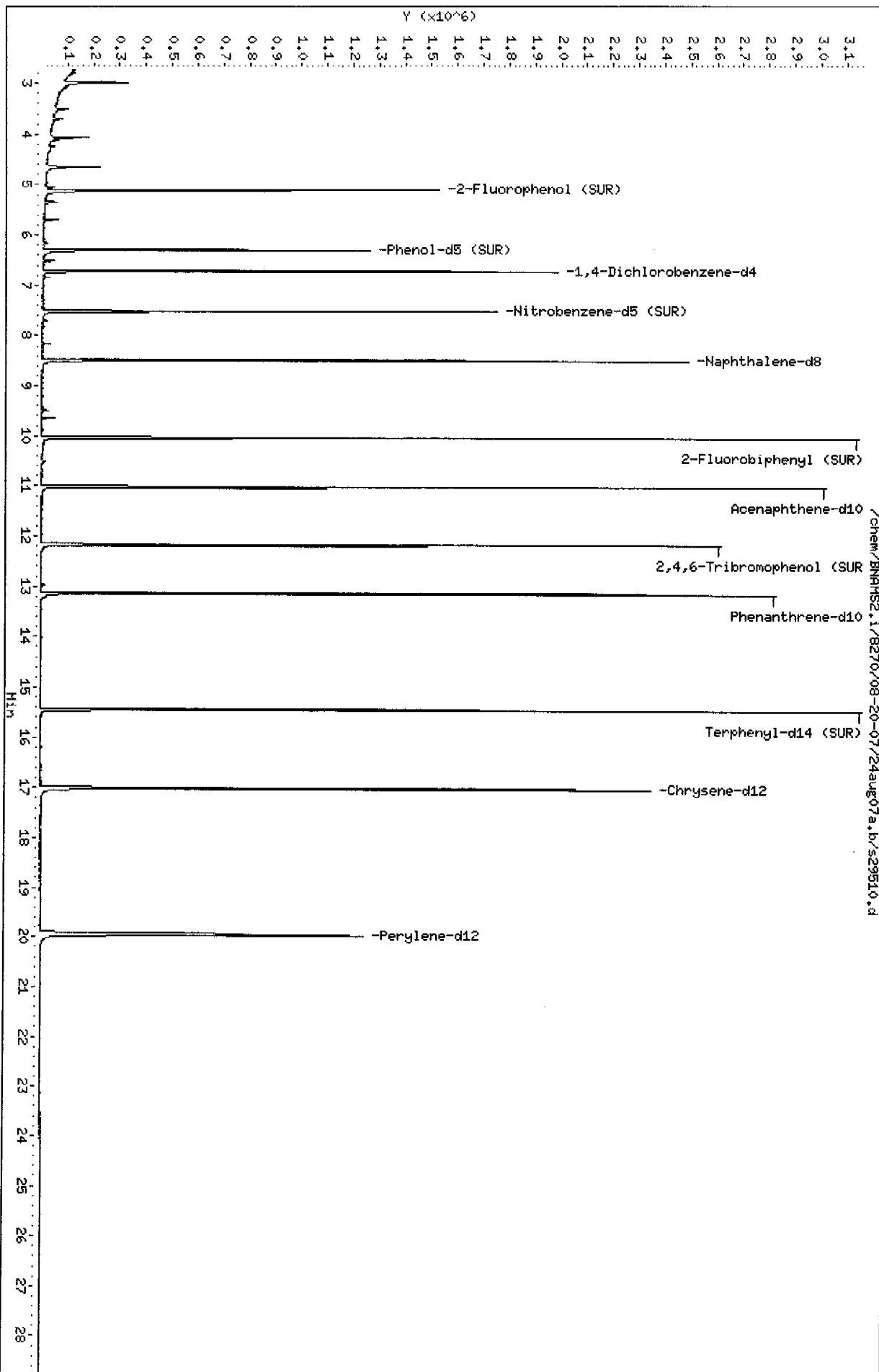
Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/L)
\$ 16 2-Fluorophenol (SUR)	112			5.101	5.103	(0.760)	684294	43.2029	340
\$ 17 Phenol-d5 (SUR)	99			6.295	6.306	(0.938)	575589	30.5327	240
* 79 1,4-Dichlorobenzene-d4	152			6.714	6.718	(1.000)	400569	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82			7.513	7.521	(0.885)	776267	40.9364	330
* 80 Naphthalene-d8	136			8.487	8.489	(1.000)	1692435	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172			10.042	10.048	(0.911)	1262044	42.0219	340
* 82 Acenaphthene-d10	164			11.019	11.023	(1.000)	950094	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330			12.176	12.175	(1.105)	393839	71.7449	570
* 83 Phenanthrene-d10	188			13.138	13.147	(1.000)	1380202	40.0000	
\$ 78 Terphenyl-d14 (SUR)	244			15.445	15.450	(0.908)	1339624	44.3396	350
* 81 Chrysene-d12	240			17.008	17.020	(1.000)	1411154	40.0000	
* 84 Perylene-d12	264			19.953	19.969	(1.000)	1225386	40.0000	

Data File: /chem/BNHMS2.i/8270/08-20-07/24aug07a,b/s29510.d  
Date: 25-AUG-2007 03:42  
Client ID: SED-MC-1  
Sample Info: 854473;3853544  
Purge Volume: 250.0  
Column phase: DB-5

Instrument: BNHMS2.i  
Operator: BNHMS 4  
Column diameter: 0.25



## Tuning Results Summary

SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: S29401

DFTPP Injection Date: 08/20/07

Instrument ID: BNAMS2

DFTPP Injection Time: 1632

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.4
68	Less than 2.0% of mass 69	0.0 ( 0.0)1
69	Mass 69 relative abundance	59.6
70	Less than 2.0% of mass 69	0.2 ( 0.4)1
127	40.0 - 60.0% of mass 198	53.0
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	6.7
275	10.0 - 30.0% of mass 198	21.4
365	Greater than 1.0% of mass 198	2.53
441	0.0 - 100.0% of mass 443	6.0 ( 48.4)2
442	40.0 - 110.0% of mass 198	62.7
443	17.0 - 23.0% of mass 442	12.4 ( 19.8)3

1-Value is % mass 69  
3-Value is % mass 442

2-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	S29403	08/20/07	1734
02	SSTD120	SSTD120	S29404	08/20/07	1812
03	SSTD005	SSTD005	S29405	08/20/07	1849
04	SSTD080	SSTD080	S29406	08/20/07	1930
05	SSTD020	SSTD020	S29407	08/20/07	2008
06	SSTD010	SSTD010	S29408	08/20/07	2046
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Date : 20-AUG-2007 16:32

Client ID:

Instrument: BNAMS2.i

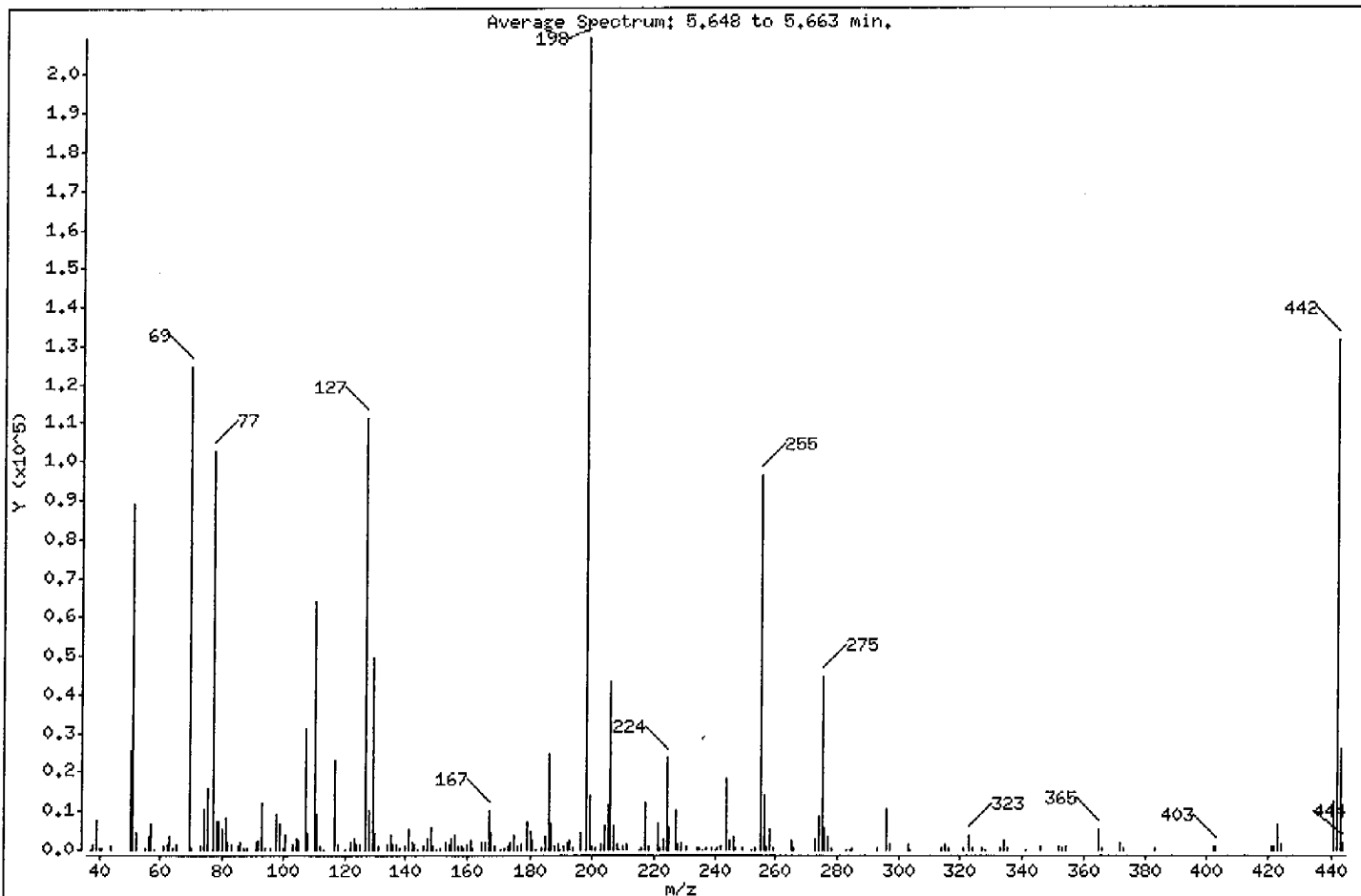
Sample Info: SDFTP232

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



(M) 212010

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.42
68	Less than 2.00% of mass 69	0.00 ( 0.00)
69	Mass 69 relative abundance	59.62
70	Less than 2.00% of mass 69	0.22 ( 0.37)
127	40.00 - 60.00% of mass 198	53.02
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 30.00% of mass 198	21.36
365	Greater than 1.00% of mass 198	2.53
441	0.01 - 100.00% of mass 443	6.01 ( 48.39)
442	40.00 - 110.00% of mass 198	62.72
443	17.00 - 23.00% of mass 442	12.43 ( 19.82)

Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a,b/s29401.d

Date : 20-AUG-2007 16:32

Client ID:

Instrument: BNAMS2.i

Sample Info: SDFTP232

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: s29401.d

Spectrum: Average Spectrum: 5.648 to 5.663 min.

Location of Maximum: 198.00

Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	224	118.00	1594	184.00	531	255.00	96016
38.00	1532	120.00	202	185.00	3533	256.00	13737
39.00	7801	122.00	1943	186.00	24416	257.00	1158
40.00	574	123.00	3065	187.00	6519	258.00	5100
41.00	404	124.00	1416	188.00	862	259.00	683
44.00	1124	125.00	1559	189.00	1369	265.00	2219
50.00	25640	127.00	111000	190.00	178	266.00	615
51.00	88800	128.00	10026	191.00	753	273.00	3018
52.00	4356	129.00	49648	192.00	2139	274.00	8504
55.00	606	130.00	4144	193.00	2283	275.00	44720
56.00	3205	131.00	737	194.00	265	276.00	5925
57.00	6859	134.00	1268	196.00	4541	277.00	3311
58.00	177	135.00	3837	198.00	209344	278.00	244
61.00	1092	136.00	1343	199.00	13943	283.00	170
62.00	1419	137.00	1637	200.00	987	284.00	188
63.00	3295	138.00	250	201.00	515	285.00	467
64.00	441	140.00	734	203.00	1387	293.00	535
65.00	1617	141.00	5225	204.00	6426	296.00	10625
69.00	124808	142.00	1757	205.00	11586	297.00	1626
70.00	460	143.00	1322	206.00	43472	303.00	1445
73.00	980	144.00	200	207.00	6050	304.00	188
74.00	10495	146.00	890	208.00	1360	314.00	648
75.00	15709	147.00	2667	209.00	233	315.00	1321
77.00	102376	148.00	5608	210.00	750	316.00	599
78.00	7112	149.00	1129	211.00	1433	321.00	369
79.00	7333	150.00	168	215.00	212	323.00	4014
80.00	5528	151.00	547	216.00	295	324.00	532
81.00	8163	153.00	1974	217.00	12077	327.00	611
82.00	1990	154.00	1271	218.00	1140	328.00	170
83.00	1632	155.00	2935	221.00	6679	333.00	396
85.00	1161	156.00	4063	222.00	383	334.00	2319
86.00	2030	157.00	897	223.00	2897	335.00	510
87.00	715	158.00	859	224.00	23360	341.00	226
88.00	254	159.00	642	225.00	5912	346.00	787
91.00	1899	160.00	1604	227.00	10102	352.00	1069

Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a,b/s29401.d

Date : 20-AUG-2007 16:32

Client ID:

Instrument: BNAMS2.i

Sample Info: SDFTP232

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: s29401.d

Spectrum: Average Spectrum: 5.648 to 5.663 min.

Location of Maximum: 198.00

Number of points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	2535	161.00	2338	228.00	1513	353.00	608
93.00	11897	162.00	429	229.00	1687	354.00	837
94.00	676	165.00	2075	231.00	853	365.00	5299
96.00	299	166.00	1803	234.00	253	366.00	394
98.00	9242	167.00	9928	235.00	537	372.00	2120
99.00	6739	168.00	4225	236.00	190	373.00	382
100.00	511	169.00	872	237.00	558	383.00	441
101.00	4030	171.00	201	239.00	243	402.00	806
103.00	1300	172.00	709	240.00	202	403.00	913
104.00	2905	173.00	1034	241.00	434	421.00	753
105.00	2488	174.00	1895	242.00	1130	422.00	1176
107.00	31424	175.00	3668	244.00	18336	423.00	6869
108.00	4570	176.00	1035	245.00	2548	424.00	1372
110.00	63960	177.00	1607	246.00	3567	441.00	12593
111.00	9146	179.00	7120	247.00	574	442.00	131264
112.00	938	180.00	4858	249.00	480	443.00	26024
113.00	167	181.00	2301	252.00	194	444.00	2077
117.00	22960	182.00	228	253.00	243		



Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a,b/s29401.d

Date : 20-AUG-2007 16:32

Client ID:

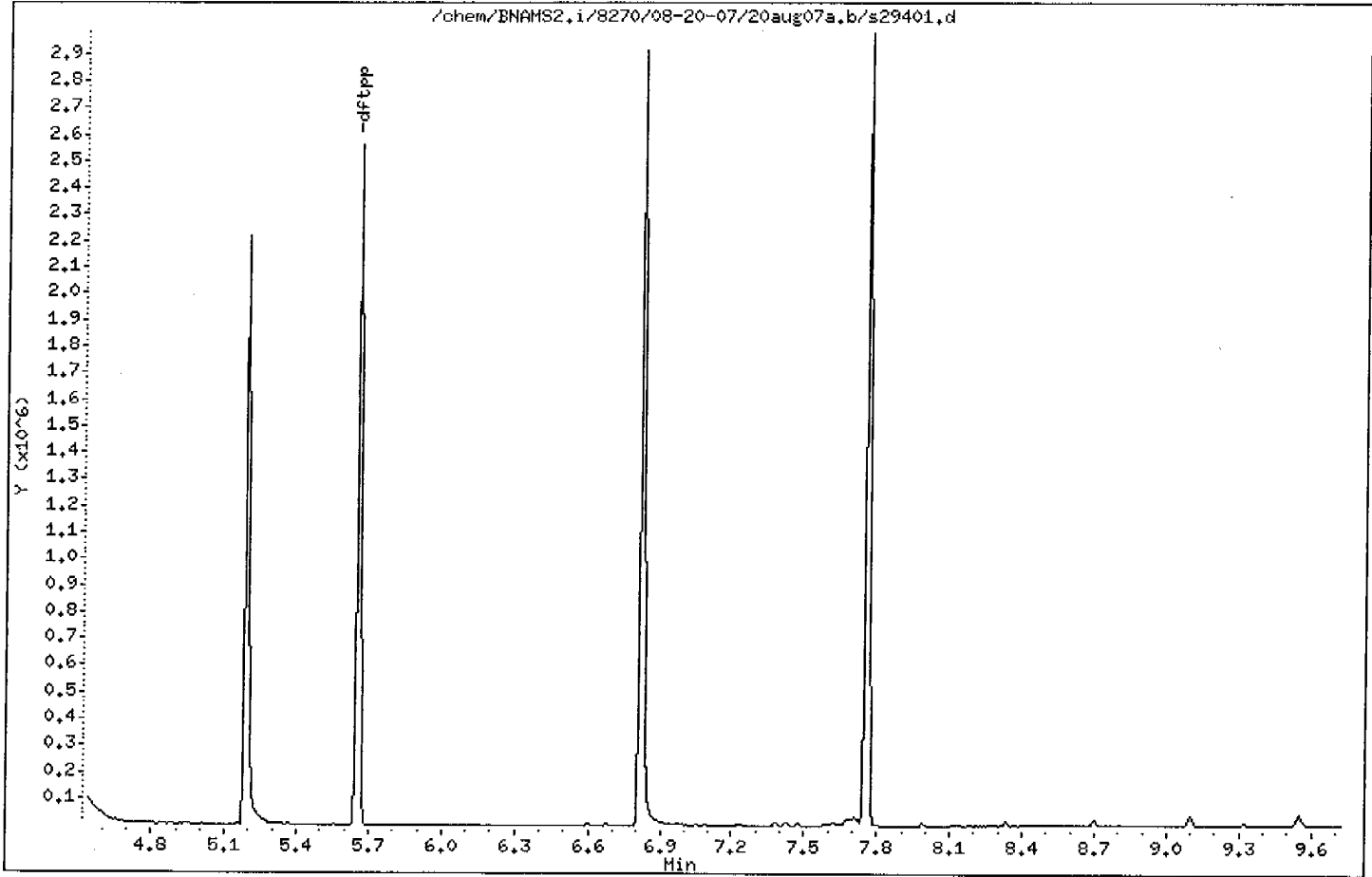
Instrument: BNAMS2.i

Sample Info: SDFTP232

Operator: BNA2

Column phase: DB-5

Column diameter: 0,25



SEMI-VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab File ID: S29499

DFTPP Injection Date: 08/24/07

Instrument ID: BNAMS2

DFTPP Injection Time: 2039

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.1
68	Less than 2.0% of mass 69	0.0 ( 0.0)1
69	Mass 69 relative abundance	60.1
70	Less than 2.0% of mass 69	0.2 ( 0.4)1
127	40.0 - 60.0% of mass 198	53.3
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	20.3
365	Greater than 1.0% of mass 198	2.22
441	0.0 - 100.0% of mass 443	9.9 ( 82.1)2
442	40.0 - 110.0% of mass 198	62.3
443	17.0 - 23.0% of mass 442	12.1 ( 19.4)3

1-Value is % mass 69  
3-Value is % mass 442

2-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD236A	SSTD236A	S29500	08/24/07	2103
02	EB236	EB236	S29501	08/24/07	2203
03	SED-WC-1	854473	S29510	08/25/07	0342
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					

Data File: /chem/BNAMS2.i/8270/08-20-07/24aug07a,b/s29499.d

Date : 24-AUG-2007 20:39

Client ID:

Instrument: BNAMS2.i

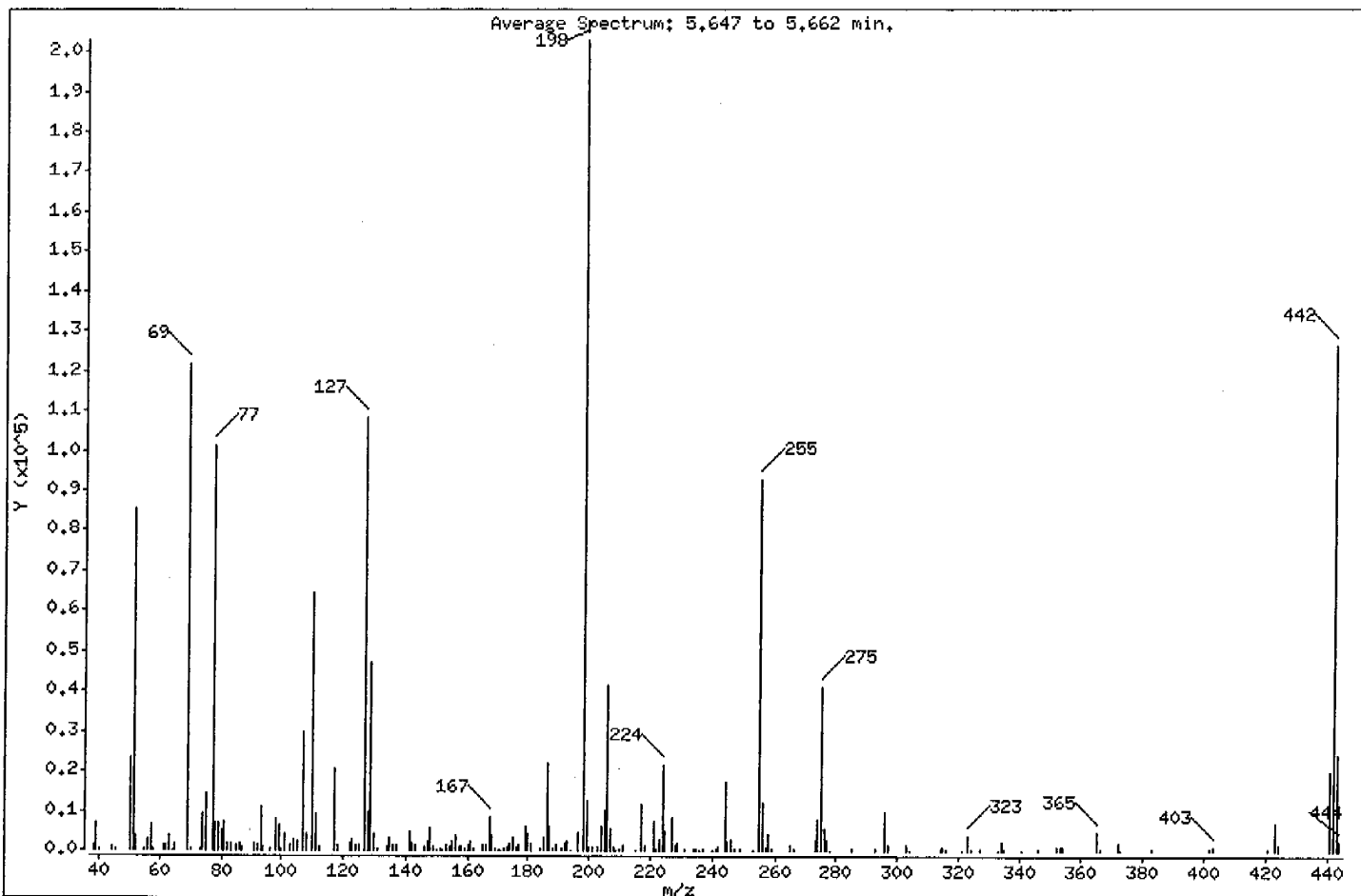
Sample Info: SDFTP236a

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.07
68	Less than 2.00% of mass 69	0.00 ( 0.00)
69	Mass 69 relative abundance	60.10
70	Less than 2.00% of mass 69	0.24 ( 0.40)
127	40.00 - 60.00% of mass 198	53.34
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.31
275	10.00 - 30.00% of mass 198	20.30
365	Greater than 1.00% of mass 198	2.22
441	0.01 - 100.00% of mass 443	9.90 ( 82.12)
442	40.00 - 110.00% of mass 198	62.27
443	17.00 - 23.00% of mass 442	12.05 ( 19.36)

Data File: /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/s29499.d

Date : 24-AUG-2007 20:39

Client ID:

Instrument: BNAMS2.i

Sample Info: SDFTP236a

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: s29499.d

Spectrum: Average Spectrum: 5.647 to 5.662 min.

Location of Maximum: 198.00

Number of points: 197

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1290	118.00	1547	184.00	296	256.00	12152
39.00	6985	122.00	1860	185.00	3303	257.00	1029
40.00	455	123.00	2971	186.00	21936	258.00	4202
44.00	833	124.00	1577	187.00	6068	259.00	565
45.00	258	125.00	1243	188.00	557	265.00	1628
50.00	23248	127.00	108216	189.00	1232	266.00	241
51.00	95360	128.00	9645	191.00	326	273.00	3007
52.00	3786	129.00	47304	192.00	1828	274.00	7894
55.00	520	130.00	4112	193.00	2297	275.00	41184
56.00	2975	131.00	556	194.00	227	276.00	5712
57.00	6556	134.00	1111	196.00	4730	277.00	2739
58.00	401	135.00	3369	198.00	202880	278.00	200
61.00	1191	136.00	1369	199.00	12798	285.00	287
62.00	1335	137.00	1446	200.00	902	293.00	644
63.00	3658	141.00	4834	201.00	1028	296.00	9604
64.00	203	142.00	1721	203.00	1130	297.00	1297
65.00	1767	143.00	1299	204.00	5904	303.00	1193
69.00	121936	146.00	984	205.00	10230	304.00	175
70.00	493	147.00	2370	206.00	41464	314.00	270
73.00	527	148.00	5502	207.00	5679	315.00	1098
74.00	9525	149.00	989	208.00	1149	316.00	527
75.00	14525	150.00	170	209.00	176	321.00	197
77.00	101072	151.00	511	210.00	358	323.00	3642
78.00	7183	152.00	194	211.00	1540	324.00	502
79.00	6989	153.00	1502	215.00	221	327.00	489
80.00	5256	154.00	1156	217.00	11643	333.00	204
81.00	7290	155.00	2553	218.00	1267	334.00	2167
82.00	1761	156.00	3822	221.00	7601	335.00	234
83.00	1735	157.00	928	222.00	361	341.00	168
85.00	1214	158.00	843	223.00	2637	346.00	517
86.00	1789	159.00	689	224.00	21656	352.00	947
87.00	996	160.00	1482	225.00	5274	353.00	710
91.00	1884	161.00	2270	227.00	8372	354.00	767
92.00	1327	162.00	471	228.00	1337	365.00	4508
93.00	11366	165.00	1618	229.00	1795	366.00	479

Data File: /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/s29499.d

Date : 24-AUG-2007 20:39

Client ID:

Instrument: BNAMS2.i

Sample Info: SDFTP236a

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25

Data File: s29499.d

Spectrum: Average Spectrum; 5.647 to 5.662 min.

Location of Maximum: 198.00

Number of points: 197

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	761	166.00	1574	231.00	689	372.00	1665
96.00	458	167.00	8540	234.00	271	373.00	221
98.00	7952	168.00	3613	235.00	499	383.00	452
99.00	6411	169.00	514	236.00	178	402.00	599
100.00	478	170.00	168	237.00	677	403.00	822
101.00	4141	171.00	218	240.00	169	421.00	682
103.00	1460	172.00	622	241.00	294	423.00	6918
104.00	2585	173.00	1122	242.00	1105	424.00	1239
105.00	2361	174.00	1948	244.00	17400	441.00	20080
107.00	29640	175.00	3119	245.00	2294	442.00	126328
108.00	4426	176.00	1071	246.00	2990	443.00	24456
110.00	64512	177.00	1439	247.00	639	444.00	2240
111.00	9302	179.00	6196	249.00	448		
112.00	1044	180.00	4230	253.00	186		
117.00	20504	181.00	1993	255.00	92792		

Data File: /chem/BNAMS2.i/8270/08-20-07/24aug07a,b/s29499.d

Date : 24-AUG-2007 20:39

Client ID:

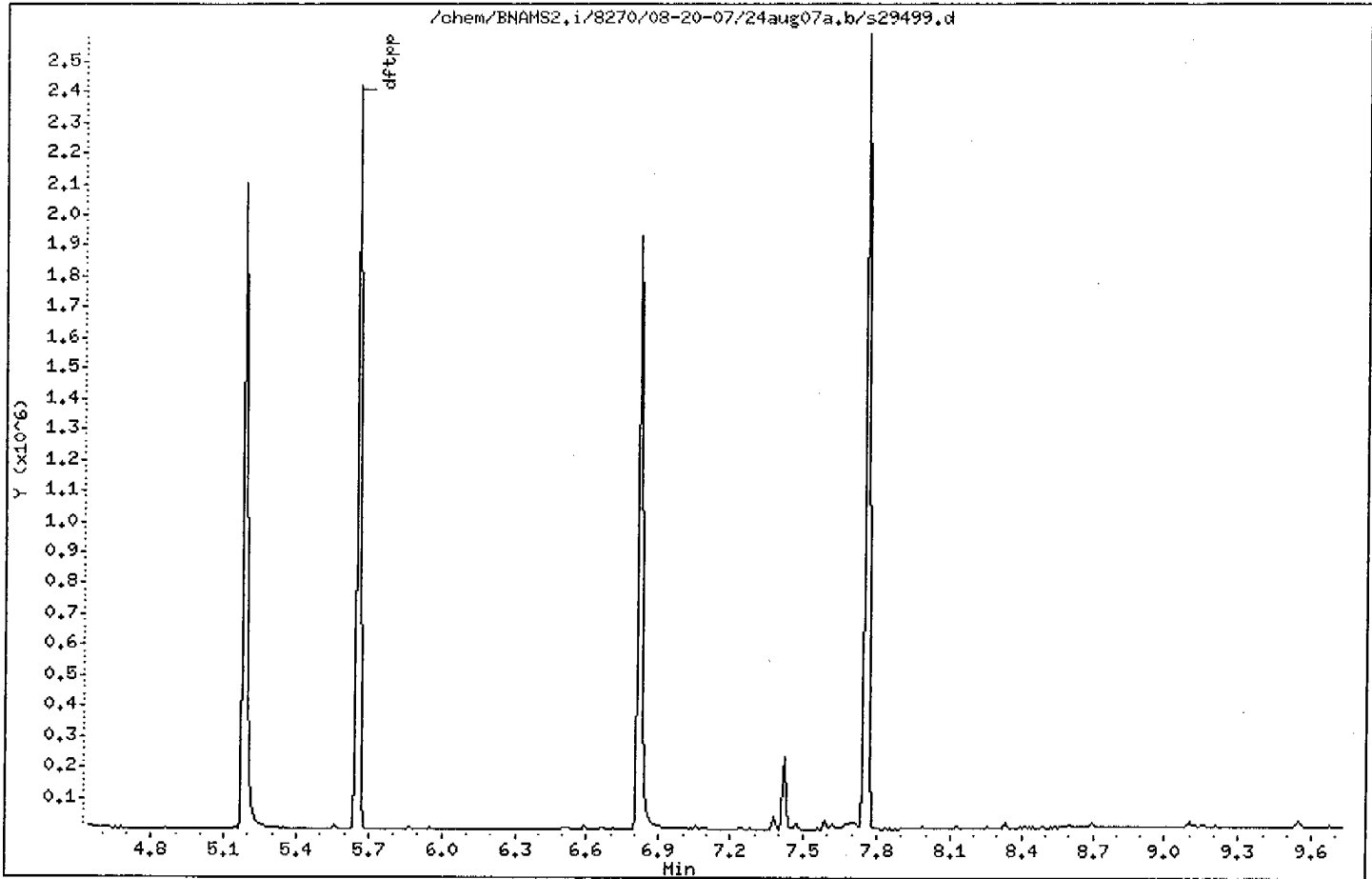
Instrument: BNAMS2.i

Sample Info: SDFTP236a

Operator: BNA2

Column phase: DB-5

Column diameter: 0.25



## Method Blank Results Summary

SEMIVOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

EB236
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Matrix: WATER

Date Analyzed: 08/24/07

Level: LOW

Time Analyzed: 2203

Instrument ID: BNAMS2

Lab File ID: S29501

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	SED-WC-1	854473	S29510	08/25/07
02				
03				
04				
05				
06				
07				
08				
09				
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30				

COMMENTS:

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Client ID: **EB236**  
Site:

Lab Sample No: **EB236**  
Lab Job No: K084

Date Sampled: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Date Prepped: \_\_\_\_\_  
Date Extacted: 08/24/07  
Date Analyzed: 08/24/07  
Lab File ID: s29501.d

Leachate Volume: 2500.0 ml  
Extract Final Volume: 2.0 ml  
Dilution Factor: 1.0  
GC Column: DB-5  
Instrument ID: BNAMS2.i

### TOXICITY CHARACTERISTIC LEACHING PROCEDURE

#### EXTRACTABLE ORGANICS

<u>Parameter</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Quantitation Limit Units: mg/l</u>
o-Cresol	ND	200 (a)	0.0040
m&p-Cresol	ND	200 (a)	0.0040
2,4,6-Trichlorophenol	ND	2.0	0.0040
2,4,5-Trichlorophenol	ND	400	0.0040
Pentachlorophenol	ND	100	0.012
1,4-Dichlorobenzene	ND	7.5	0.0040
Hexachloroethane	ND	3.0	0.00040
Nitrobenzene	ND	2.0	0.00040
Hexachlorobutadiene	ND	0.5	0.00080
2,4-Dinitrotoluene	ND	0.13	0.00080
Hexachlorobenzene	ND	0.13	0.00040
Pyridine	ND	5.0	0.0040

- (a) If o-, m-, and p-cresol concentrations cannot be differentiated, the total cresol concentration is used. The regulatory level of total cresol is 200 mg/l.

Data File: /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/s29501.d  
 Report Date: 25-Aug-2007 07:31

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/s29501.d  
 Lab Smp Id: EB236 Client Smp ID: EB236  
 Inj Date : 24-AUG-2007 22:03  
 Operator : BNAMS 4 Inst ID: BNAMS2.i  
 Smp Info : EB236;MB73728  
 Misc Info :  
 Comment :  
 Method : /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/8270C\_06.m  
 Meth Date : 24-Aug-2007 21:47 rusin Quant Type: ISTD  
 Cal Date : 20-AUG-2007 20:46 Cal File: s29408.d  
 Als bottle: 2 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: jTCLP.sub  
 Target Version: 3.50

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	2500.00000	Volume of sample extracted (mL)

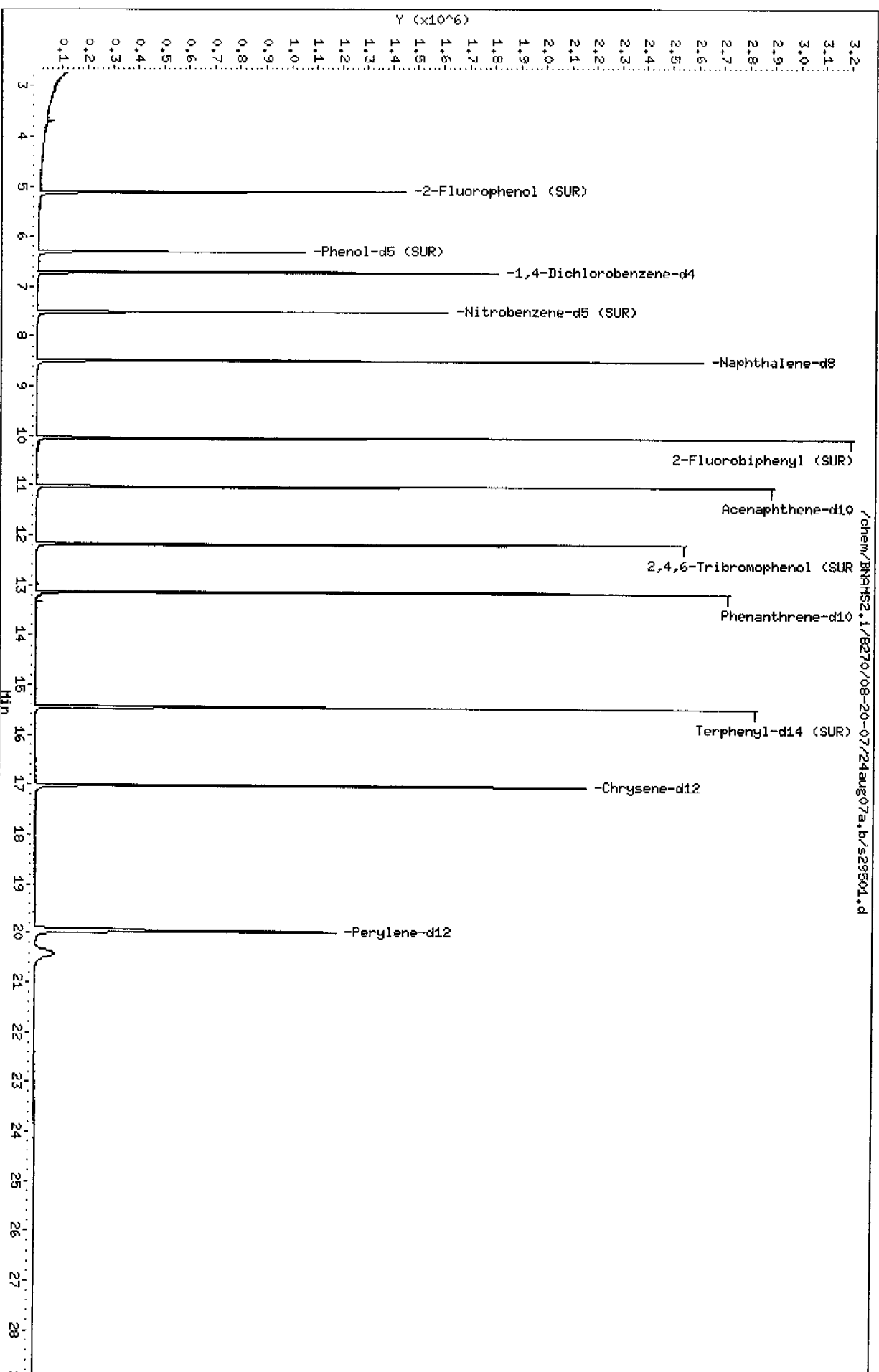
Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/L)
\$ 16 2-Fluorophenol (SUR)	112	5.104	5.103	(0.760)	653887	41.6919	33	
\$ 17 Phenol-d5 (SUR)	99	6.302	6.306	(0.939)	504801	27.0428	22	
* 79 1,4-Dichlorobenzene-d4	152	6.713	6.718	(1.000)	396642	40.0000		
\$ 76 Nitrobenzene-d5 (SUR)	82	7.507	7.521	(0.885)	736093	39.7184	32	
* 80 Naphthalene-d8	136	8.487	8.489	(1.000)	1654063	40.0000		
\$ 77 2-Fluorobiphenyl (SUR)	172	10.039	10.048	(0.911)	1208590	40.3188	32	
* 82 Acenaphthene-d10	164	11.019	11.023	(1.000)	948284	40.0000		
\$ 18 2,4,6-Tribromophenol (SUR)	330	12.175	12.175	(1.105)	400168	73.0369	58	
* 83 Phenanthrene-d10	188	13.138	13.147	(1.000)	1403079	40.0000		
\$ 78 Terphenyl-d14 (SUR)	244	15.443	15.450	(0.908)	1302642	43.3175	35	
* 81 Chrysene-d12	240	17.007	17.020	(1.000)	1404573	40.0000		
* 84 Perylene-d12	264	19.953	19.969	(1.000)	1203256	40.0000		

Data File: /chem/BNHHS2.i/8270/08-20-07/24aug07a,b/s29501.d  
 Date: 24-AUG-2007 22:03  
 Client ID: EB236  
 Sample Info: EB236;NB373728  
 Purge Volume: 2500.0  
 Column phase: DB-5

Instrument: BNHHS2.i  
 Operator: BNHHS 4  
 Column diameter: 0.25



## Calibration Summary

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

LAB FILE ID:	RRF5: S29405	RRF20: S29407	RRF50: S29403		
	RRF80: S29406	RRF120: S29404			
COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Phenol	2.276	1.976	1.887	1.788	1.765
2-Chlorophenol	1.631	1.521	1.455	1.413	1.389
2-Methylphenol	1.572	1.416	1.386	1.352	1.313
4-Methylphenol	1.613	1.465	1.399	1.353	1.290
2-Nitrophenol	0.229	0.243	0.232	0.231	0.228
2,4-Dimethylphenol	0.406	0.353	0.345	0.329	0.331
2,4-Dichlorophenol	0.329	0.307	0.307	0.294	0.288
4-Chloro-3-methylphenol	0.409	0.408	0.398	0.326	0.310
2,4,6-Trichlorophenol	0.370	0.359	0.352	0.354	0.353
2,4,5-Trichlorophenol	0.384	0.372	0.367	0.366	0.370
2,4-Dinitrophenol	0.090	0.127	0.143	0.174	0.183
4-Nitrophenol	0.267	0.290	0.290	0.310	0.307
4,6-Dinitro-2-methylphenol	0.125	0.149	0.137	0.158	0.160
Pentachlorophenol	0.164	0.166	0.152	0.169	0.163
Benzoic Acid	0.093	0.159	0.148	0.168	0.184
N-Nitrosodimethylamine	0.957	1.000	1.001	0.923	0.869
bis(2-Chloroethyl) ether	1.614	1.572	1.497	1.402	1.385
1,3-Dichlorobenzene	1.674	1.661	1.612	1.568	1.492
1,4-Dichlorobenzene	1.551	1.570	1.507	1.413	1.472
1,2-Dichlorobenzene	1.599	1.538	1.506	1.406	1.368
bis(2-chloroisopropyl) ether	1.908	1.944	1.856	1.670	1.653
N-Nitroso-di-n-propylamine	1.200	1.102	1.099	1.026	1.017
Hexachloroethane	0.779	0.753	0.699	0.666	0.624
Nitrobenzene	0.664	0.556	0.518	0.490	0.482
Isophorone	0.920	0.878	0.846	0.796	0.830
bis(2-Chloroethoxy) methane	0.473	0.472	0.464	0.420	0.416
1,2,4-Trichlorobenzene	0.318	0.302	0.306	0.281	0.286
Naphthalene	1.089	1.070	1.015	0.963	0.970
4-Chloroaniline	0.499	0.485	0.478	0.470	0.447
Hexachlorobutadiene	0.198	0.185	0.182	0.172	0.176
2-Methylnaphthalene	0.796	0.755	0.714	0.682	0.708
Hexachlorocyclopentadiene	0.251	0.271	0.323	0.304	0.308
2-Chloronaphthalene	1.193	1.115	1.072	1.025	1.030
2-Nitroaniline	0.412	0.428	0.423	0.403	0.387
Dimethylphthalate	1.581	1.513	1.449	1.364	1.356
Acenaphthylene	2.054	1.819	1.727	1.687	1.655
2,6-Dinitrotoluene	0.297	0.342	0.343	0.340	0.342
3-Nitroaniline	0.409	0.436	0.427	0.406	0.397
Acenaphthene	1.106	1.061	1.103	1.047	1.079

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

LAB FILE ID:	RRF5: S29405	RRF20: S29407	RRF50: S29403		
	RRF80: S29406	RRF120: S29404			
COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Dibenzofuran	1.701	1.660	1.645	1.548	1.541
2,4-Dinitrotoluene	0.396	0.461	0.463	0.451	0.455
Diethylphthalate	1.879	1.783	1.714	1.586	1.536
4-Chlorophenyl-phenylether	0.624	0.612	0.591	0.597	0.588
Fluorene	1.456	1.384	1.304	1.252	1.259
4-Nitroaniline	0.430	0.421	0.422	0.415	0.408
N-Nitrosodiphenylamine	0.657	0.601	0.601	0.588	0.554
4-Bromophenyl-phenylether	0.272	0.236	0.226	0.238	0.227
Hexachlorobenzene	0.297	0.296	0.274	0.272	0.274
Phenanthrene	1.176	1.074	1.087	1.076	1.067
Anthracene	1.246	1.122	1.046	1.066	1.054
Carbazole	1.332	1.268	1.131	1.133	1.123
Di-n-butylphthalate	2.313	2.092	1.865	1.761	1.675
Fluoranthene	1.492	1.416	1.297	1.285	1.247
Pyrene	1.396	1.382	1.259	1.176	1.193
Benzidine	0.412	0.482	0.315	0.264	0.206
Butylbenzylphthalate	1.037	1.043	0.910	0.806	0.772
3,3'-Dichlorobenzidine	0.462	0.502	0.415	0.394	0.357
Benzo(a)anthracene	1.431	1.142	1.058	1.013	1.068
Chrysene	1.004	1.022	0.965	0.973	0.896
bis(2-Ethylhexyl)phthalate	1.186	1.167	1.069	0.999	0.962
Di-n-octylphthalate	2.539	2.549	2.311	2.130	2.284
Benzo(b)fluoranthene	1.200	1.402	1.364	1.417	1.691
Benzo(k)fluoranthene	1.498	1.323	1.301	1.116	1.047
Benzo(a)pyrene	1.145	1.278	1.308	1.198	1.280
Indeno(1,2,3-cd)pyrene	1.329	1.553	1.538	1.433	1.513
Dibenz(a,h)anthracene	1.065	1.189	1.178	1.149	1.227
Benzo(g,h,i)perylene	1.282	1.360	1.336	1.207	1.275
Pyridine	1.308	1.658	1.724	1.707	1.603
Aniline	2.366	2.115	2.070	1.958	1.942
Benzyl Alcohol	1.030	1.095	1.100	1.046	1.046
1,2-Diphenylhydrazine	1.309	1.213	1.051	1.151	1.055
Diphenyl	1.599	1.477	1.399	1.433	1.382
Diphenyl Ether	0.770	0.779	0.755	0.741	0.746
Acetophenone	2.181	2.096	2.013	1.941	1.963
1,4-Dioxane	0.565	0.635	0.706	0.692	0.669
N,N-Dimethylaniline	2.205	2.164	2.009	1.844	1.797
2,3,7,8-TCDD (Screen)			0.176		
Benzaldehyde	1.067	1.218	0.880	0.711	0.502

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

LAB FILE ID: RRF5: S29405 RRF20: S29407 RRF50: S29403 RRF80: S29406 RRF120: S29404					
COMPOUND	RRF5	RRF20	RRF50	RRF80	RRF120
Caprolactam	0.164	0.169	0.168	0.166	0.161
Atrazine	0.295	0.246	0.211	0.203	0.189
n-decane	1.336	1.139	1.057	1.008	0.954
Coumarin	0.329	0.303	0.284	0.284	0.283
n-Octadecane	0.656	0.548	0.490	0.488	0.448
o-Tricresylphosphate	0.363	0.354	0.309	0.295	0.288
Carbamazepine	0.535	0.589	0.542	0.556	0.547
1-Methylnaphthalene	0.692	0.664	0.629	0.609	0.612
2-Fluorophenol (SUR)	1.571	1.558	1.596	1.583	1.569
Phenol-d5 (SUR)	2.056	1.848	1.867	1.784	1.759
2,4,6-Tribromophenol (SUR)	0.234	0.220	0.228	0.237	0.238
Nitrobenzene-d5 (SUR)	0.454	0.438	0.466	0.443	0.437
2-Fluorobiphenyl (SUR)	1.427	1.245	1.203	1.197	1.192
Terphenyl-d14 (SUR)	0.939	0.855	0.807	0.775	0.802

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

RRF10: S29408

COMPOUND	RRF10
=====	=====
Phenol	2.154
2-Chlorophenol	1.626
2-Methylphenol	1.544
4-Methylphenol	1.578
2-Nitrophenol	0.238
2,4-Dimethylphenol	0.376
2,4-Dichlorophenol	0.318
4-Chloro-3-methylphenol	0.424
2,4,6-Trichlorophenol	0.359
2,4,5-Trichlorophenol	0.382
2,4-Dinitrophenol	0.101
4-Nitrophenol	0.276
4,6-Dinitro-2-methylphenol	0.135
Pentachlorophenol	0.165
Benzoic Acid	0.120
N-Nitrosodimethylamine	0.914
bis(2-Chloroethyl) ether	1.639
1,3-Dichlorobenzene	1.678
1,4-Dichlorobenzene	1.566
1,2-Dichlorobenzene	1.571
bis(2-chloroisopropyl) ether	2.014
N-Nitroso-di-n-propylamine	1.137
Hexachloroethane	0.749
Nitrobenzene	0.550
Isophorone	0.868
bis(2-Chloroethoxy) methane	0.490
1,2,4-Trichlorobenzene	0.304
Naphthalene	1.080
4-Chloroaniline	0.485
Hexachlorobutadiene	0.186
2-Methylnaphthalene	0.772
Hexachlorocyclopentadiene	0.232
2-Chloronaphthalene	1.140
2-Nitroaniline	0.386
Dimethylphthalate	1.523
Acenaphthylene	1.907
2,6-Dinitrotoluene	0.332
3-Nitroaniline	0.410
Acenaphthene	1.076

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.



SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

RRF10: S29408

COMPOUND	RRF10
=====	=====
Dibenzofuran	1.642
2,4-Dinitrotoluene	0.438
Diethylphthalate	1.790
4-Chlorophenyl-phenylether	0.568
Fluorene	1.346
4-Nitroaniline	0.407
N-Nitrosodiphenylamine	0.654
4-Bromophenyl-phenylether	0.244
Hexachlorobenzene	0.306
Phenanthrene	1.108
Anthracene	1.161
Carbazole	1.307
Di-n-butylphthalate	2.194
Fluoranthene	1.456
Pyrene	1.360
Benzidine	0.584
Butylbenzylphthalate	1.055
3,3'-Dichlorobenzidine	0.470
Benzo(a)anthracene	1.155
Chrysene	1.048
bis(2-Ethylhexyl)phthalate	1.140
Di-n-octylphthalate	2.617
Benzo(b)fluoranthene	1.378
Benzo(k)fluoranthene	1.291
Benzo(a)pyrene	1.287
Indeno(1,2,3-cd)pyrene	1.471
Dibenz(a,h)anthracene	1.185
Benzo(g,h,i)perylene	1.278
Pyridine	1.592
Aniline	2.246
Benzyl Alcohol	1.101
1,2-Diphenylhydrazine	1.228
Diphenyl	1.563
Diphenyl Ether	0.785
Acetophenone	2.319
1,4-Dioxane	0.609
N,N-Dimethylaniline	2.206
2,3,7,8-TCDD (Screen)	1.316
Benzaldehyde	1.316

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

RRF10: S29408

COMPOUND	RRF10
=====	=====
Caprolactam _____	0.178
Atrazine _____	0.271
n-decane _____	1.229
Coumarin _____	0.328
n-Octadecane _____	0.623
o-Tricresylphosphate _____	0.375
Carbamazepine _____	0.584
1-Methylnaphthalene _____	0.647
=====	=====
2-Fluorophenol (SUR) _____	1.612
Phenol-d5 (SUR) _____	1.980
2,4,6-Tribromophenol (SUR) _____	0.231
Nitrobenzene-d5 (SUR) _____	0.451
2-Fluorobiphenyl (SUR) _____	1.322
Terphenyl-d14 (SUR) _____	0.958

\* Compound with required maximum % RSD value.  
\*\* Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
Phenol	AVRG		1.97455586		10.4*
2-Chlorophenol	AVRG		1.50576351		7.0*
2-Methylphenol	AVRG		1.43065129		7.4*
4-Methylphenol	AVRG		1.44966459		8.8*
2-Nitrophenol	AVRG		0.23359931		2.4*
2,4-Dimethylphenol	AVRG		0.35691639		8.3*
2,4-Dichlorophenol	AVRG		0.30723227		4.8*
4-Chloro-3-methylphenol	AVRG		0.37926287		12.7*
2,4,6-Trichlorophenol	AVRG		0.35779953		1.9*
2,4,5-Trichlorophenol	AVRG		0.37350572		2.0*
2,4-Dinitrophenol	2ORDR	0.00000000	7.52786330	-3.9345518	0.994**
4-Nitrophenol	AVRG		0.28986987		5.8**
4,6-Dinitro-2-methylphenol	AVRG		0.14402666		9.6*
Pentachlorophenol	AVRG		0.16326979		3.5*
Benzoic Acid	2ORDR	0.00000000	7.07266989	-2.9949020	0.999*
N-Nitrosodimethylamine	AVRG		0.94408528		5.5*
bis(2-Chloroethyl) ether	AVRG		1.51826022		7.1*
1,3-Dichlorobenzene	AVRG		1.61411409		4.5*
1,4-Dichlorobenzene	AVRG		1.51313083		4.1*
1,2-Dichlorobenzene	AVRG		1.49815096		6.2*
bis(2-chloroisopropyl) ether	AVRG		1.84103599		8.0*
N-Nitroso-di-n-propylamine	AVRG		1.09691662		6.3**
Hexachloroethane	AVRG		0.71140227		8.4*
Nitrobenzene	AVRG		0.54347851		12.2*
Isophorone	AVRG		0.85666355		5.0*
bis(2-Chloroethoxy) methane	AVRG		0.45572181		6.7*
1,2,4-Trichlorobenzene	AVRG		0.29946927		4.5*
Naphthalene	AVRG		1.03123198		5.4*
4-Chloroaniline	AVRG		0.47748770		3.7*
Hexachlorobutadiene	AVRG		0.18307288		4.8*
2-Methylnaphthalene	AVRG		0.73792030		5.9*
Hexachlorocyclopentadiene	AVRG		0.28167321		12.6**
2-Chloronaphthalene	AVRG		1.09607751		6.0*
2-Nitroaniline	AVRG		0.40652471		4.4*
Dimethylphthalate	AVRG		1.46434414		6.2*
Acenaphthylene	AVRG		1.80822402		8.4*
2,6-Dinitrotoluene	AVRG		0.33271115		5.3*
3-Nitroaniline	AVRG		0.41429149		3.5*
Acenaphthene	AVRG		1.07872307		2.1*

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
Dibenzofuran	AVRG		1.62284027		4.0*
2,4-Dinitrotoluene	AVRG		0.44403148		5.7*
Diethylphthalate	AVRG		1.71479976		7.6*
4-Chlorophenyl-phenylether	AVRG		0.59662291		3.3*
Fluorene	AVRG		1.33352561		5.9*
4-Nitroaniline	AVRG		0.41718404		2.1*
N-Nitrosodiphenylamine	AVRG		0.60908708		6.6*
4-Bromophenyl-phenylether	AVRG		0.24050171		7.0*
Hexachlorobenzene	AVRG		0.28653005		5.1*
Phenanthrene	AVRG		1.09815427		3.7*
Anthracene	AVRG		1.11572531		7.0*
Carbazole	AVRG		1.21571080		8.0*
Di-n-butylphthalate	AVRG		1.98320107		12.8*
Fluoranthene	AVRG		1.36570170		7.5*
Pyrene	AVRG		1.29433777		7.6*
Benzidine	AVRG		0.37705214		37.7*
Butylbenzylphthalate	AVRG		0.93727530		13.5*
3,3'-Dichlorobenzidine	AVRG		0.43331544		12.5*
Benzo(a)anthracene	AVRG		1.14465276		13.1*
Chrysene	AVRG		0.98483726		5.4*
bis(2-Ethylhexyl)phthalate	AVRG		1.08723691		8.5*
Di-n-octylphthalate	AVRG		2.40520528		7.9*
Benzo(b)fluoranthene	AVRG		1.40879655		11.3*
Benzo(k)fluoranthene	AVRG		1.26270751		12.8*
Benzo(a)pyrene	AVRG		1.24947786		5.1*
Indeno(1,2,3-cd)pyrene	AVRG		1.47307599		5.6*
Dibenz(a,h)anthracene	AVRG		1.16550934		4.7*
Benzo(g,h,i)perylene	AVRG		1.28999864		4.2*
Pyridine	AVRG		1.59875748		9.5*
Aniline	AVRG		2.11621414		7.8*
Benzyl Alcohol	AVRG		1.06982769		3.0*
1,2-Diphenylhydrazine	AVRG		1.16785880		8.7*
Diphenyl	AVRG		1.47553439		6.0*
Diphenyl Ether	AVRG		0.76284482		2.3*
Acetophenone	AVRG		2.08551728		7.0**
1,4-Dioxane	AVRG		0.64603659		8.3**
N,N-Dimethylaniline	AVRG		2.03743143		9.0**
2,3,7,8-TCDD (Screen)	AVRG		0.17598887		0.0**
Benzaldehyde	AVRG		0.94914627		32.7*

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)  
METHOD 8270C

Instrument ID: BNAMS2

Calibration Date(s): 08/20/07 08/20/07

Calibration Time(s): 1734 2046

COMPOUND	CURVE	COEFFICIENTS			%RSD OR R^2
		A0	A1	A2	
Caprolactam	AVRG		0.16750093		3.5*
Atrazine	LINR	0.00000000	5.06705196		0.991*
n-decane	AVRG		1.12053142		12.8*
Coumarin	AVRG		0.30186278		7.3*
n-Octadecane	LINR	0.00000000	2.14192558		0.993*
o-Tricresylphosphate	AVRG		0.33069513		11.4*
Carbamazepine	AVRG		0.55881894		4.0*
1-Methylnaphthalene	AVRG		0.64225909		5.0*
2-Fluorophenol (SUR)	AVRG		1.58165641		1.2*
Phenol-d5 (SUR)	AVRG		1.88248026		6.1*
2,4,6-Tribromophenol (SUR)	AVRG		0.23111140		2.9*
Nitrobenzene-d5 (SUR)	AVRG		0.44817647		2.4*
2-Fluorobiphenyl (SUR)	AVRG		1.26442366		7.4*
Terphenyl-d14 (SUR)	AVRG		0.85640074		8.9*

\* Compound with required maximum % RSD value.

\*\* Compound with required minimum RRF value.

Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29405.d  
 Report Date: 21-Aug-2007 08:05

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29405.d  
 Lab Smp Id: SST005  
 Inj Date : 20-AUG-2007 18:49  
 Operator : BNAMS 4  
 Smp Info : SST005  
 Misc Info : 5 ng/uL BNA Std Lot 4104  
 Comment :  
 Method : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/8270C\_06.m  
 Meth Date : 21-Aug-2007 08:05 croccom  
 Cal Date : 20-AUG-2007 18:49  
 Als bottle: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50  
 Processing Host: hpd1

Inst ID: BNAMS2.i

Quant Type: ISTD  
 Cal File: s29405.d  
 Calibration Sample, Level: 1

Compound Sublist: all.sub

8/21/07

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	2.908	2.908	(0.433)	27065	5.00000	4.4(a)
19 N-Nitrosodimethylamine	74	3.385	3.385	(0.504)	45842	5.00000	5.1
71 Pyridine	79	3.385	3.385	(0.504)	62652	5.00000	4.1(a)
\$ 16 2-Fluorophenol (SUR)	112	5.104	5.104	(0.760)	75266	5.00000	5.0
110 Benzaldehyde	77	6.156	6.156	(0.917)	51135	5.00000	5.6
\$ 17 Phenol-d5 (SUR)	99	6.297	6.297	(0.938)	98495	5.00000	5.5
1 Phenol	94	6.311	6.311	(0.940)	109017	5.00000	5.8
73 Aniline	93	6.333	6.333	(0.943)	113339	5.00000	5.6
20 bis(2-Chloroethyl) ether	93	6.408	6.408	(0.954)	7732	0.50000	0.53
113 n-decane	43	6.490	6.490	(0.967)	64021	5.00000	6.0
2 2-Chlorophenol	128	6.482	6.482	(0.965)	78120	5.00000	5.4
21 1,3-Dichlorobenzene	146	6.669	6.669	(0.993)	80181	5.00000	5.2
* 79 1,4-Dichlorobenzene-d4	152	6.714	6.714	(1.000)	383224	40.0000	
22 1,4-Dichlorobenzene	146	6.737	6.737	(1.003)	74309	5.00000	5.1
74 Benzyl Alcohol	108	6.923	6.923	(1.031)	49361	5.00000	4.8(a)

Compounds	QUANT SIG			AMOUNTS		
	MASS	RT	EXP RT REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 1,2-Dichlorobenzene	146	6.997	6.997 (1.042)	76593	5.00000	5.3
3 2-Methylphenol	108	7.102	7.102 (1.058)	75332	5.00000	5.5
24 bis(2-chloroisopropyl)ether	45	7.132	7.132 (1.062)	91414	5.00000	5.2
4 4-Methylphenol	108	7.297	7.297 (1.087)	77291	5.00000	5.6
104 Acetophenone	105	7.289	7.289 (1.086)	104494	5.00000	5.2
25 N-Nitroso-di-n-propylamine	70	7.319	7.319 (1.090)	5751	0.50000	0.55 (M)
26 Hexachloroethane	117	7.409	7.409 (1.103)	3732	0.50000	0.55
\$ 76 Nitrobenzene-d5 (SUR)	82	7.507	7.507 (0.884)	84507	5.00000	5.1
107 N,N-Dimethylaniline	120	7.544	7.544 (1.124)	10561	0.50000	0.54
27 Nitrobenzene	77	7.544	7.544 (0.889)	12352	0.50000	0.61
28 Isophorone	82	7.844	7.844 (0.924)	171333	5.00000	5.4
6 2,4-Dimethylphenol	122	8.023	8.023 (0.945)	75669	5.00000	5.7
5 2-Nitrophenol	139	7.978	7.978 (0.940)	42668	5.00000	4.9 (a)
29 bis(2-Chloroethoxy)methane	93	8.158	8.158 (0.961)	88019	5.00000	5.2
15 Benzoic Acid	122	8.158	8.158 (0.961)	17239	5.00000	3.2 (a)
7 2,4-Dichlorophenol	162	8.307	8.307 (0.979)	61162	5.00000	5.3
30 1,2,4-Trichlorobenzene	180	8.427	8.427 (0.993)	5910	0.50000	0.53
* 80 Naphthalene-d8	136	8.487	8.487 (1.000)	1488953	40.0000	
31 Naphthalene	128	8.517	8.517 (1.004)	202687	5.00000	5.3
32 4-Chloroaniline	127	8.622	8.622 (1.016)	92922	5.00000	5.2
33 Hexachlorobutadiene	225	8.765	8.765 (1.033)	7353	1.00000	1.1
111 Caprolactam	113	9.041	9.041 (1.065)	30450	5.00000	4.9 (aH)
8 4-Chloro-3-methylphenol	107	9.304	9.304 (1.096)	76163	5.00000	5.4
34 2-Methylnaphthalene	142	9.491	9.491 (1.118)	148192	5.00000	5.4
120 1-Methylnaphthalene	142	9.648	9.648 (1.137)	128731	5.00000	5.4 (aA)
35 Hexachlorocyclopentadiene	237	9.820	9.820 (0.891)	26108	5.00000	4.4 (a)
9 2,4,6-Trichlorophenol	196	9.940	9.940 (0.902)	38494	5.00000	5.2
10 2,4,5-Trichlorophenol	196	10.000	10.000 (0.907)	39911	5.00000	5.1
\$ 77 2-Fluorobiphenyl (SUR)	172	10.038	10.038 (0.910)	148396	5.00000	5.6
102 Diphenyl	154	10.165	10.165 (0.922)	166241	5.00000	5.4
36 2-Chloronaphthalene	162	10.187	10.187 (0.924)	124057	5.00000	5.4
103 Diphenyl Ether	170	10.330	10.330 (0.937)	80052	5.00000	5.0
37 2-Nitroaniline	65	10.390	10.390 (0.942)	85605	10.0000	10
38 Dimethylphthalate	163	10.675	10.675 (0.968)	164373	5.00000	5.4
114 Coumarin	146	10.682	10.682 (1.259)	61317	5.00000	5.4
40 2,6-Dinitrotoluene	165	10.786	10.786 (0.978)	6186	1.00000	0.89 (a)
39 Acenaphthylene	152	10.801	10.801 (0.980)	213572	5.00000	5.7
41 3-Nitroaniline	138	10.988	10.988 (0.997)	85079	10.0000	9.9 (a)
* 82 Acenaphthene-d10	164	11.025	11.025 (1.000)	831771	40.0000	
42 Acenaphthene	154	11.070	11.070 (1.004)	115023	5.00000	5.1
11 2,4-Dinitrophenol	184	11.130	11.130 (1.009)	27961	15.0000	9.9 (a)
12 4-Nitrophenol	65	11.226	11.226 (1.018)	83205	15.0000	14 (a)
43 Dibenzofuran	168	11.294	11.294 (1.024)	176896	5.00000	5.2
44 2,4-Dinitrotoluene	165	11.345	11.345 (1.029)	8232	1.00000	0.89 (aM)
45 Diethylphthalate	149	11.682	11.682 (1.060)	195348	5.00000	5.5
46 4-Chlorophenyl-phenylether	204	11.779	11.779 (1.068)	64859	5.00000	5.2
47 Fluorene	166	11.787	11.787 (1.069)	151395	5.00000	5.4

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
48 4-Nitroaniline	138	11.877	11.877	(1.077)	89336	10.0000	10 (H)
13 4,6-Dinitro-2-methylphenol	198	11.930	11.930	(0.908)	57334	15.0000	13 (a)
49 N-Nitrosodiphenylamine	169	11.960	11.960	(0.910)	100411	5.00000	5.4
75 1,2-Diphenylhydrazine	77	12.005	12.005	(0.913)	199918	5.00000	5.6
\$ 18 2,4,6-Tribromophenol (SUR)	330	12.170	12.170	(1.104)	24286	5.00000	5.0
50 4-Bromophenyl-phenylether	248	12.477	12.477	(0.949)	41510	5.00000	5.6
112 Atrazine	200	12.762	12.762	(0.971)	45121	5.00000	7.5
51 Hexachlorobenzene	284	12.702	12.702	(0.966)	4533	0.50000	0.52
115 n-Octadecane	57	12.912	12.912	(0.982)	100255	5.00000	7.0
14 Pentachlorophenol	266	12.964	12.964	(0.986)	75157	15.0000	15
* 83 Phenanthrene-d10	188	13.143	13.143	(1.000)	1221830	40.0000	
52 Phenanthrene	178	13.174	13.174	(1.002)	179655	5.00000	5.4
53 Anthracene	178	13.233	13.233	(1.007)	190303	5.00000	5.6
54 Carbazole	167	13.479	13.479	(1.026)	203453	5.00000	5.5
55 Di-n-butylphthalate	149	14.014	14.014	(1.066)	353214	5.00000	5.8
56 Fluoranthene	202	14.900	14.900	(1.134)	227957	5.00000	5.5
58 Benzidine	184	15.087	15.087	(1.148)	125753	10.0000	11
57 Pyrene	202	15.228	15.228	(0.895)	226887	5.00000	5.4
\$ 78 Terphenyl-d14 (SUR)	244	15.444	15.444	(0.908)	152696	5.00000	5.5
59 Butylbenzylphthalate	149	16.173	16.173	(0.950)	168608	5.00000	5.5
118 Carbamazepine	193	16.388	16.388	(0.963)	86953	5.00000	4.8 (aA)
63 bis(2-Ethylhexyl)phthalate	149	17.032	17.032	(1.001)	192884	5.00000	5.4
60 3,3'-Dichlorobenzidine	252	16.956	16.956	(0.996)	150372	10.0000	11
61 Benzo(a)anthracene	228	16.978	16.978	(0.998)	23266	0.50000	0.62
* 81 Chrysene-d12	240	17.016	17.016	(1.000)	1300475	40.0000	
62 Chrysene	228	17.054	17.054	(1.002)	163292	5.00000	5.1
117 o-Tricresylphosphate	165	17.466	17.466	(1.026)	58993	5.00000	5.5 (A)
64 Di-n-octylphthalate	149	18.118	18.118	(0.907)	384276	5.00000	5.3
65 Benzo(b)fluoranthene	252	19.024	19.024	(0.953)	18159	0.50000	0.42 (aH)
66 Benzo(k)fluoranthene	252	19.084	19.084	(0.956)	22677	0.50000	0.59
67 Benzo(a)pyrene	252	19.795	19.795	(0.991)	17337	0.50000	0.46 (aM)
* 84 Perylene-d12	264	19.966	19.966	(1.000)	1210832	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	22.939	22.939	(1.149)	20116	0.50000	0.45 (a)
69 Dibenz(a,h)anthracene	278	22.992	22.992	(1.152)	16124	0.50000	0.46 (a)
70 Benzo(g,h,i)perylene	276	23.747	23.747	(1.189)	194076	5.00000	5.0

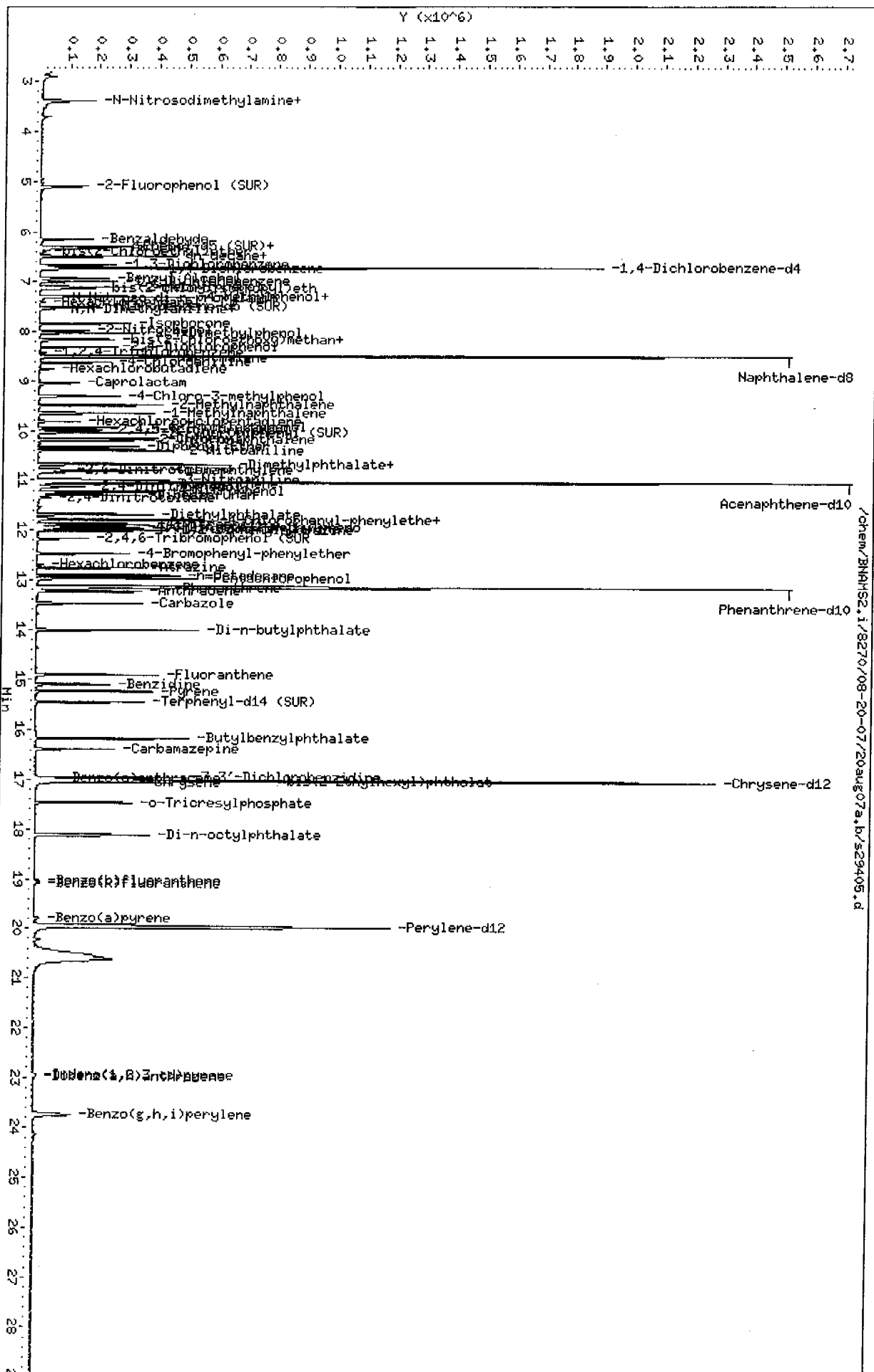
QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.



Data File: /chem/BNHMS2.i/8270/08-20-07/20aug07a.b/s29405.d  
 Date: 20-AUG-2007 18:49  
 Client ID:  
 Sample Info: SSTID005  
 Purge Volume: 1000.0  
 Column phase: DB-5

Instrument: BNHMS2.i  
 Operator: BNHMS 4  
 Column diameter: 0.25



Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29407.d  
Report Date: 21-Aug-2007 08:05

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29407.d  
Lab Smp Id: SSTD020  
Inj Date : 20-AUG-2007 20:08  
Operator : BNAMS 4  
Smp Info : SSTD020  
Misc Info : 20 ng/uL BNA Std Lot 4104  
Comment :  
Method : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/8270C\_06.m  
Meth Date : 21-Aug-2007 08:05 croccom Quant Type: ISTD  
Cal Date : 20-AUG-2007 20:08 Cal File: s29407.d  
Als bottle: 5 Calibration Sample, Level: 2  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Ⓜ 8/21/07

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	AMOUNTS					
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
106 1,4-Dioxane	88		2.900	2.900	(0.432)	108285	20.0000	20
19 N-Nitrosodimethylamine	74		3.377	3.377	(0.502)	170465	20.0000	21
71 Pyridine	79		3.370	3.370	(0.501)	282771	20.0000	21
\$ 16 2-Fluorophenol (SUR)	112		5.101	5.101	(0.759)	265799	20.0000	20
110 Benzaldehyde	77		6.154	6.154	(0.916)	207752	20.0000	26
\$ 17 Phenol-d5 (SUR)	99		6.296	6.296	(0.937)	315232	20.0000	20
1 Phenol	94		6.311	6.311	(0.939)	337031	20.0000	20
73 Aniline	93		6.333	6.333	(0.942)	360696	20.0000	20
20 bis(2-Chloroethyl)ether	93		6.400	6.400	(0.952)	268053	20.0000	21
113 n-decane	43		6.497	6.497	(0.967)	194188	20.0000	20
2 2-Chlorophenol	128		6.481	6.481	(0.964)	259385	20.0000	20
21 1,3-Dichlorobenzene	146		6.668	6.668	(0.992)	283226	20.0000	20
* 79 1,4-Dichlorobenzene-d4	152		6.721	6.721	(1.000)	341080	40.0000	
22 1,4-Dichlorobenzene	146		6.736	6.736	(1.002)	267703	20.0000	21
74 Benzyl Alcohol	108		6.931	6.931	(1.031)	186804	20.0000	20

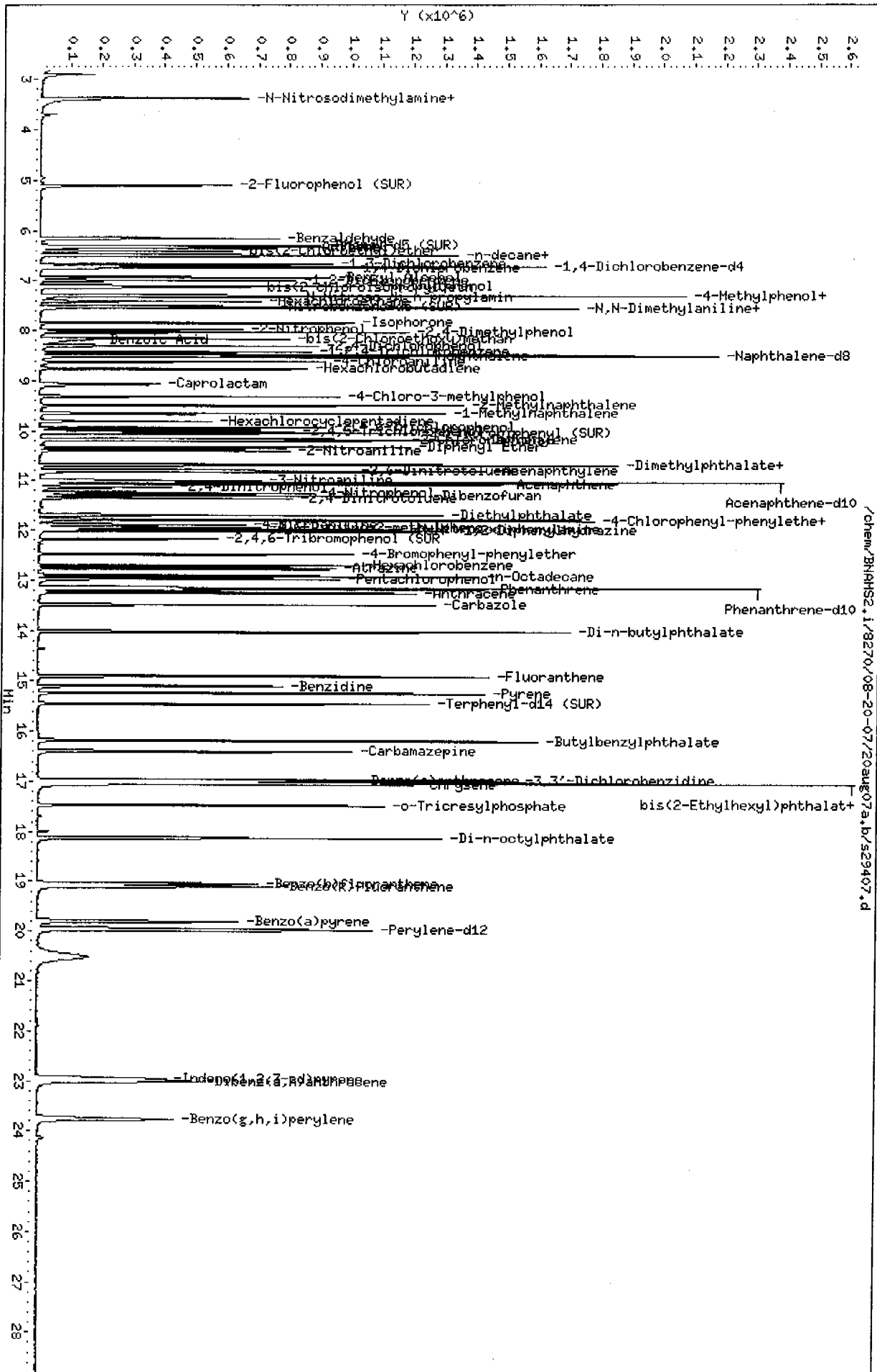
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 1,2-Dichlorobenzene	146	6.999	6.999	(1.041)	262337	20.0000	20
3 2-Methylphenol	108	7.101	7.101	(1.057)	241478	20.0000	20
24 bis(2-chloroisopropyl) ether	45	7.132	7.132	(1.061)	331626	20.0000	21
4 4-Methylphenol	108	7.296	7.296	(1.086)	249842	20.0000	20
104 Acetophenone	105	7.296	7.296	(1.086)	357413	20.0000	20
25 N-Nitroso-di-n-propylamine	70	7.319	7.319	(1.089)	187947	20.0000	20
26 Hexachloroethane	117	7.415	7.415	(1.103)	128363	20.0000	21
\$ 76 Nitrobenzene-d5 (SUR)	82	7.512	7.512	(0.885)	286723	20.0000	20
107 N,N-Dimethylaniline	120	7.542	7.542	(1.122)	368976	20.0000	21
27 Nitrobenzene	77	7.542	7.542	(0.888)	363472	20.0000	20
28 Isophorone	82	7.841	7.841	(0.923)	574816	20.0000	20
6 2,4-Dimethylphenol	122	8.028	8.028	(0.946)	230860	20.0000	20
5 2-Nitrophenol	139	7.983	7.983	(0.940)	158966	20.0000	21
29 bis(2-Chloroethoxy)methane	93	8.155	8.155	(0.960)	308505	20.0000	21
15 Benzoic Acid	122	8.192	8.192	(0.965)	103921	20.0000	22 (M)
7 2,4-Dichlorophenol	162	8.305	8.305	(0.978)	201097	20.0000	20
30 1,2,4-Trichlorobenzene	180	8.431	8.431	(0.993)	197419	20.0000	20
* 80 Naphthalene-d8	136	8.491	8.491	(1.000)	1308517	40.0000	
31 Naphthalene	128	8.514	8.514	(1.003)	699763	20.0000	21
32 4-Chloroaniline	127	8.619	8.619	(1.015)	317323	20.0000	20
33 Hexachlorobutadiene	225	8.768	8.768	(1.033)	120823	20.0000	20
111 Caprolactam	113	9.074	9.074	(1.069)	110634	20.0000	20 (H)
8 4-Chloro-3-methylphenol	107	9.314	9.314	(1.097)	267274	20.0000	22
34 2-Methylnaphthalene	142	9.494	9.494	(1.118)	493818	20.0000	20
120 1-Methylnaphthalene	142	9.650	9.650	(1.136)	434530	20.0000	21 (A)
35 Hexachlorocyclopentadiene	237	9.814	9.814	(0.890)	101066	20.0000	19
9 2,4,6-Trichlorophenol	196	9.941	9.941	(0.902)	133658	20.0000	20
10 2,4,5-Trichlorophenol	196	10.002	10.002	(0.907)	138525	20.0000	20
\$ 77 2-Fluorobiphenyl (SUR)	172	10.039	10.039	(0.910)	463639	20.0000	20
102 Diphenyl	154	10.167	10.167	(0.922)	550103	20.0000	20
36 2-Chloronaphthalene	162	10.190	10.190	(0.924)	415357	20.0000	20
103 Diphenyl Ether	170	10.333	10.333	(0.937)	290002	20.0000	20
37 2-Nitroaniline	65	10.392	10.392	(0.943)	159470	20.0000	21
38 Dimethylphthalate	163	10.676	10.676	(0.968)	563550	20.0000	21
114 Coumarin	146	10.684	10.684	(1.258)	198224	20.0000	20
40 2,6-Dinitrotoluene	165	10.787	10.787	(0.978)	127503	20.0000	20
39 Acenaphthylene	152	10.802	10.802	(0.980)	677285	20.0000	20
41 3-Nitroaniline	138	10.988	10.988	(0.997)	162494	20.0000	21
* 82 Acenaphthene-d10	164	11.026	11.026	(1.000)	744737	40.0000	
42 Acenaphthene	154	11.071	11.071	(1.004)	395120	20.0000	20
11 2,4-Dinitrophenol	184	11.131	11.131	(1.009)	71048	30.0000	27
12 4-Nitrophenol	65	11.236	11.236	(1.019)	162127	30.0000	30
43 Dibenzofuran	168	11.296	11.296	(1.024)	618180	20.0000	20
44 2,4-Dinitrotoluene	165	11.348	11.348	(1.029)	171610	20.0000	21
45 Diethylphthalate	149	11.691	11.691	(1.060)	663993	20.0000	21
46 4-Chlorophenyl-phenylether	204	11.781	11.781	(1.068)	227959	20.0000	20
47 Fluorene	166	11.795	11.795	(1.070)	515175	20.0000	21

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	11.885	11.885	(1.078)	156854	20.0000	20
13 4,6-Dinitro-2-methylphenol	198	11.938	11.938	(0.908)	123522	30.0000	31
49 N-Nitrosodiphenylamine	169	11.968	11.968	(0.910)	331815	20.0000	20
75 1,2-Diphenylhydrazine	77	12.005	12.005	(0.913)	669947	20.0000	21
\$ 18 2,4,6-Tribromophenol (SUR)	330	12.176	12.176	(1.104)	81739	20.0000	19
50 4-Bromophenyl-phenylether	248	12.482	12.482	(0.949)	130267	20.0000	20
112 Atrazine	200	12.773	12.773	(0.971)	135983	20.0000	25
51 Hexachlorobenzene	284	12.706	12.706	(0.966)	163536	20.0000	21
115 n-Octadecane	57	12.915	12.915	(0.982)	303018	20.0000	23
14 Pentachlorophenol	266	12.967	12.967	(0.986)	137847	30.0000	30
* 83 Phenanthrene-d10	188	13.148	13.148	(1.000)	1104879	40.0000	
52 Phenanthrene	178	13.176	13.176	(1.002)	593480	20.0000	20
53 Anthracene	178	13.243	13.243	(1.007)	619640	20.0000	20
54 Carbazole	167	13.482	13.482	(1.025)	700475	20.0000	21
55 Di-n-butylphthalate	149	14.019	14.019	(1.066)	1155650	20.0000	21
56 Fluoranthene	202	14.898	14.898	(1.133)	782343	20.0000	21
58 Benzidine	184	15.094	15.094	(1.148)	399263	30.0000	38
57 Pyrene	202	15.229	15.229	(0.895)	755178	20.0000	21
\$ 78 Terphenyl-d14 (SUR)	244	15.445	15.445	(0.908)	467343	20.0000	20
59 Butylbenzylphthalate	149	16.178	16.178	(0.951)	569941	20.0000	22
118 Carbamazepine	193	16.395	16.395	(0.963)	321883	20.0000	21 (A)
63 bis(2-Ethylhexyl)phthalate	149	17.033	17.033	(1.001)	637564	20.0000	21
60 3,3'-Dichlorobenzidine	252	16.956	16.956	(0.996)	411025	30.0000	35
61 Benzo(a)anthracene	228	16.979	16.979	(0.998)	624042	20.0000	20
* 81 Chrysene-d12	240	17.018	17.018	(1.000)	1092590	40.0000	
62 Chrysene	228	17.056	17.056	(1.002)	558390	20.0000	21
117 o-Tricresylphosphate	165	17.468	17.468	(1.026)	193424	20.0000	21 (A)
64 Di-n-octylphthalate	149	18.118	18.118	(0.907)	1298493	20.0000	21 (M)
65 Benzo(b)fluoranthene	252	19.040	19.040	(0.954)	713888	20.0000	20 (H)
66 Benzo(k)fluoranthene	252	19.099	19.099	(0.957)	673962	20.0000	21 (M)
67 Benzo(a)pyrene	252	19.801	19.801	(0.992)	651215	20.0000	20
* 84 Perylene-d12	264	19.965	19.965	(1.000)	1018653	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	22.957	22.957	(1.150)	791144	20.0000	21 (H)
69 Dibenz(a,h)anthracene	278	23.009	23.009	(1.152)	605731	20.0000	20
70 Benzo(g,h,i)perylene	276	23.771	23.771	(1.191)	692828	20.0000	21

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.

Y (x10<sup>6</sup>)



Data File: /chem/BNHMS2.1/8270/08-20-07/20aug07a.b/s29407.d  
 Date: 20-AUG-2007 20:08  
 Client ID:  
 Sample Info: SST0020  
 Purge Volume: 1000.0  
 Column phase: DB-5

Instrument: BNHMS2.i  
 Operator: BNHMS 4  
 Column diameter: 0.25

Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29403.d  
 Report Date: 21-Aug-2007 08:05

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29403.d  
 Lab Smp Id: SSTD050  
 Inj Date : 20-AUG-2007 17:34  
 Operator : BNAMS 4 Inst ID: BNAMS2.i  
 Smp Info : SSTD050  
 Misc Info : 50 ng/uL BNA Std Lot 4104  
 Comment :  
 Method : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/8270C\_06.m  
 Meth Date : 21-Aug-2007 08:04 croccon Quant Type: ISTD  
 Cal Date : 20-AUG-2007 17:34 Cal File: s29403.d  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 3.50  
 Processing Host: hpd1

*M 8/21/07*

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88		2.900	2.900	(0.432)	294420	50.0000	55
19 N-Nitrosodimethylamine	74		3.384	3.384	(0.504)	417553	50.0000	53
71 Pyridine	79		3.369	3.369	(0.501)	719090	50.0000	54
\$ 16 2-Fluorophenol (SUR)	112		5.100	5.100	(0.759)	665534	50.0000	50
110 Benzaldehyde	77		6.153	6.153	(0.916)	367031	50.0000	46
\$ 17 Phenol-d5 (SUR)	99		6.302	6.302	(0.938)	778744	50.0000	50
1 Phenol	94		6.325	6.325	(0.941)	787052	50.0000	48
73 Aniline	93		6.340	6.340	(0.943)	863569	50.0000	49
20 bis(2-Chloroethyl)ether	93		6.406	6.406	(0.953)	624389	50.0000	49
113 n-decane	43		6.497	6.497	(0.967)	440866	50.0000	47
2 2-Chlorophenol	128		6.489	6.489	(0.966)	606785	50.0000	48
21 1,3-Dichlorobenzene	146		6.675	6.675	(0.993)	672140	50.0000	50
* 79 1,4-Dichlorobenzene-d4	152		6.720	6.720	(1.000)	333653	40.0000	
22 1,4-Dichlorobenzene	146		6.743	6.743	(1.003)	628536	50.0000	50
74 Benzyl Alcohol	108		6.938	6.938	(1.032)	458767	50.0000	51

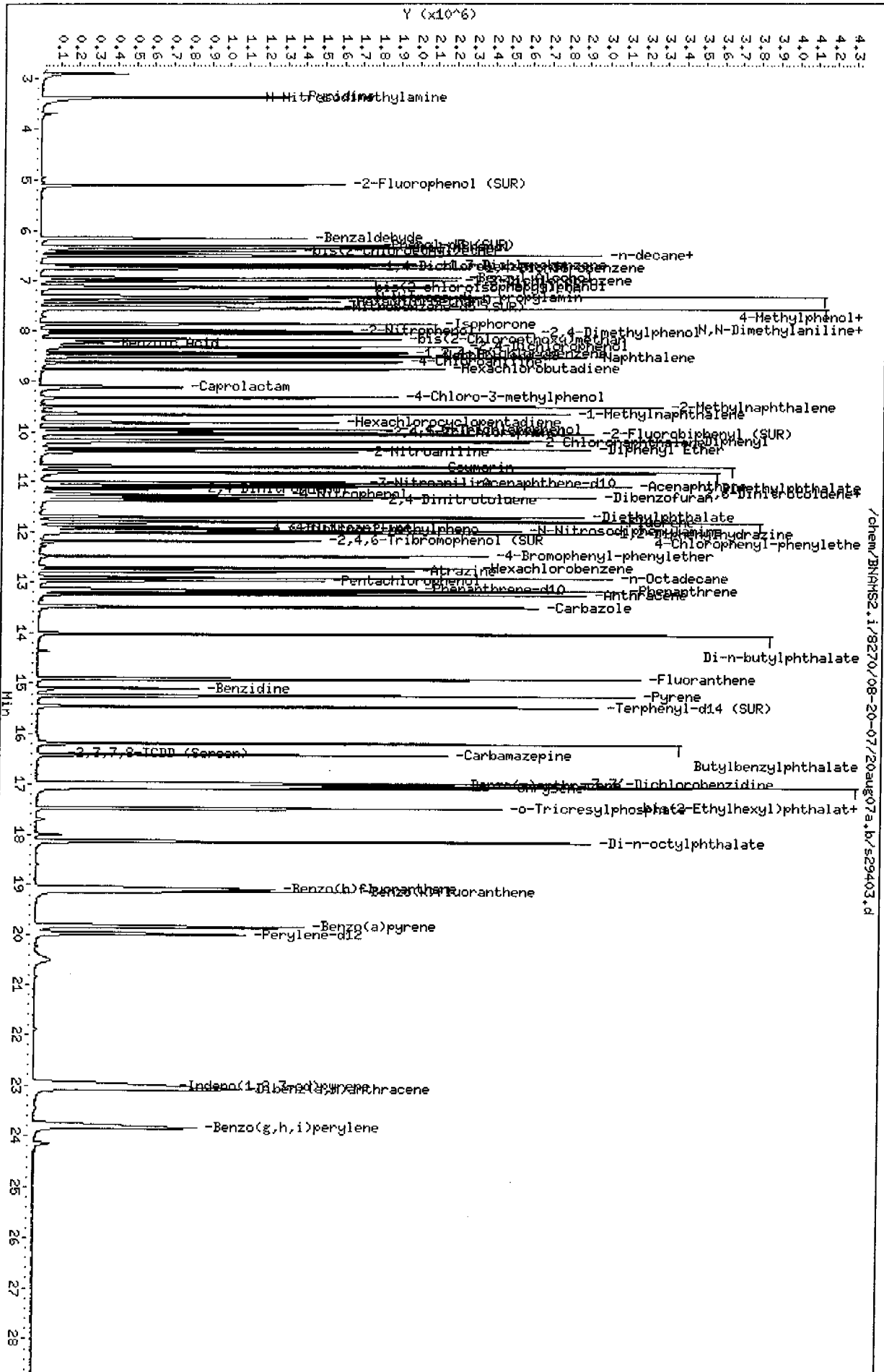
Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL AMT (ug/ml)	ON-COL (ug/ml)
23 1,2-Dichlorobenzene	146	6.998	6.998	(1.041)	628188	50.0000	50
3 2-Methylphenol	108	7.111	7.111	(1.058)	578040	50.0000	48
24 bis(2-chloroisopropyl)ether	45	7.133	7.133	(1.062)	773933	50.0000	50
4 4-Methylphenol	108	7.313	7.313	(1.088)	583375	50.0000	48
104 Acetophenone	105	7.305	7.305	(1.087)	839465	50.0000	48
25 N-Nitroso-di-n-propylamine	70	7.335	7.335	(1.092)	458466	50.0000	50
26 Hexachloroethane	117	7.418	7.418	(1.104)	291427	50.0000	49
\$ 76 Nitrobenzene-d5 (SUR)	82	7.521	7.521	(0.885)	742055	50.0000	52
107 N,N-Dimethylaniline	120	7.551	7.551	(1.124)	837919	50.0000	49
27 Nitrobenzene	77	7.551	7.551	(0.889)	825806	50.0000	48
28 Isophorone	82	7.858	7.858	(0.925)	1347517	50.0000	49
6 2,4-Dimethylphenol	122	8.038	8.038	(0.946)	549399	50.0000	48
5 2-Nitrophenol	139	7.986	7.986	(0.940)	369347	50.0000	50
29 bis(2-Chloroethoxy)methane	93	8.166	8.166	(0.961)	739852	50.0000	51
15 Benzoic Acid	122	8.241	8.241	(0.970)	235320	50.0000	48 (M)
7 2,4-Dichlorophenol	162	8.316	8.316	(0.979)	489410	50.0000	50
30 1,2,4-Trichlorobenzene	180	8.435	8.435	(0.993)	487507	50.0000	51
* 80 Naphthalene-d8	136	8.495	8.495	(1.000)	1274638	40.0000	
31 Naphthalene	128	8.526	8.526	(1.004)	1617888	50.0000	49
32 4-Chloroaniline	127	8.630	8.630	(1.016)	761797	50.0000	50
33 Hexachlorobutadiene	225	8.764	8.764	(1.032)	289197	50.0000	50
111 Caprolactam	113	9.137	9.137	(1.076)	267332	50.0000	50
8 4-Chloro-3-methylphenol	107	9.324	9.324	(1.098)	633362	50.0000	52
34 2-Methylnaphthalene	142	9.497	9.497	(1.118)	1137975	50.0000	48
120 1-Methylnaphthalene	142	9.653	9.653	(1.136)	1002502	50.0000	49 (A)
35 Hexachlorocyclopentadiene	237	9.816	9.816	(0.890)	287056	50.0000	57
9 2,4,6-Trichlorophenol	196	9.951	9.951	(0.902)	312994	50.0000	49
10 2,4,5-Trichlorophenol	196	10.012	10.012	(0.908)	326562	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	10.049	10.049	(0.911)	1070545	50.0000	48
102 Diphenyl	154	10.176	10.176	(0.922)	1244510	50.0000	47
36 2-Chloronaphthalene	162	10.199	10.199	(0.925)	954041	50.0000	49
103 Diphenyl Ether	170	10.335	10.335	(0.937)	671929	50.0000	50
37 2-Nitroaniline	65	10.402	10.402	(0.943)	376295	50.0000	52
38 Dimethylphthalate	163	10.687	10.687	(0.969)	1288883	50.0000	49
114 Coumarin	146	10.702	10.702	(1.260)	453141	50.0000	47
40 2,6-Dinitrotoluene	165	10.799	10.799	(0.979)	305002	50.0000	52
39 Acenaphthylene	152	10.814	10.814	(0.980)	1536683	50.0000	48
41 3-Nitroaniline	138	11.009	11.009	(0.998)	379878	50.0000	52
* 82 Acenaphthene-d10	164	11.031	11.031	(1.000)	711696	40.0000	
42 Acenaphthene	154	11.076	11.076	(1.004)	980996	50.0000	51
11 2,4-Dinitrophenol	184	11.144	11.144	(1.010)	127319	50.0000	49
12 4-Nitrophenol	65	11.249	11.249	(1.020)	257577	50.0000	50
43 Dibenzofuran	168	11.301	11.301	(1.024)	1463720	50.0000	51
44 2,4-Dinitrotoluene	165	11.362	11.362	(1.030)	411898	50.0000	52
45 Diethylphthalate	149	11.697	11.697	(1.060)	1525209	50.0000	50
46 4-Chlorophenyl-phenylether	204	11.788	11.788	(1.069)	525674	50.0000	50
47 Fluorene	166	11.803	11.803	(1.070)	1160567	50.0000	49

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
48 4-Nitroaniline	138	11.908	11.908	(1.079)	375629	50.0000	51
13 4,6-Dinitro-2-methylphenol	198	11.954	11.954	(0.909)	194025	50.0000	48
49 N-Nitrosodiphenylamine	169	11.983	11.983	(0.911)	850967	50.0000	49
75 1,2-Diphenylhydrazine	77	12.020	12.020	(0.914)	1488512	50.0000	45
\$ 18 2,4,6-Tribromophenol (SUR)	330	12.186	12.186	(1.105)	203339	50.0000	49
50 4-Bromophenyl-phenylether	248	12.485	12.485	(0.950)	319729	50.0000	47
112 Atrazine	200	12.787	12.787	(0.973)	299372	50.0000	54
51 Hexachlorobenzene	284	12.711	12.711	(0.967)	388335	50.0000	48
115 n-Octadecane	57	12.915	12.915	(0.982)	693356	50.0000	52
14 Pentachlorophenol	266	12.975	12.975	(0.987)	215478	50.0000	47
* 83 Phenanthrene-d10	188	13.147	13.147	(1.000)	1132715	40.0000	
52 Phenanthrene	178	13.185	13.185	(1.003)	1539095	50.0000	49
53 Anthracene	178	13.253	13.253	(1.008)	1480459	50.0000	47
54 Carbazole	167	13.493	13.493	(1.026)	1600993	50.0000	46
55 Di-n-butylphthalate	149	14.024	14.024	(1.067)	2640239	50.0000	47
56 Fluoranthene	202	14.913	14.913	(1.134)	1835848	50.0000	47
58 Benzidine	184	15.092	15.092	(1.148)	445728	50.0000	42
57 Pyrene	202	15.241	15.241	(0.895)	1802669	50.0000	49
\$ 78 Terphenyl-d14 (SUR)	244	15.452	15.452	(0.908)	1156079	50.0000	47
59 Butylbenzylphthalate	149	16.185	16.185	(0.951)	1303686	50.0000	48
109 2,3,7,8-TCDD (Screen)	320	16.381	16.381	(0.962)	2520	0.50000	0.50
118 Carbamazepine	193	16.411	16.411	(0.964)	776156	50.0000	48 (A)
63 bis(2-Ethylhexyl)phthalate	149	17.040	17.040	(1.001)	1531040	50.0000	49
60 3,3'-Dichlorobenzidine	252	16.973	16.973	(0.997)	594727	50.0000	48
61 Benzo(a)anthracene	228	16.995	16.995	(0.998)	1515034	50.0000	46
* 81 Chrysene-d12	240	17.026	17.026	(1.000)	1145527	40.0000	
62 Chrysene	228	17.078	17.078	(1.003)	1381546	50.0000	49
117 o-Tricresylphosphate	165	17.477	17.477	(1.026)	442003	50.0000	47 (A)
64 Di-n-octylphthalate	149	18.136	18.136	(0.908)	2893215	50.0000	48
65 Benzo(b)fluoranthene	252	19.073	19.073	(0.955)	1707961	50.0000	48
66 Benzo(k)fluoranthene	252	19.133	19.133	(0.958)	1629287	50.0000	52 (M)
67 Benzo(a)pyrene	252	19.837	19.837	(0.993)	1637767	50.0000	52
* 84 Perylene-d12	264	19.981	19.981	(1.000)	1001631	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	23.002	23.002	(1.151)	1926004	50.0000	52 (M)
69 Dibenz(a,h)anthracene	278	23.077	23.077	(1.155)	1474501	50.0000	50
70 Benzo(g,h,i)perylene	276	23.835	23.835	(1.193)	1673426	50.0000	52

QC Flag Legend

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





Data File: /chem/BNHHS2.1/8270/08-20-07/20aug07a.bv/529403.d  
 Date: 20-AUG-2007 17:34  
 Client ID:  
 Sample Info: SSTD050  
 Purge Volume: 1000.0  
 Column phase: DB-5

/chem/BNHHS2.1/8270/08-20-07/20aug07a.bv/529403.d

Instrument: BNHHS2.1  
 Operator: BNHHS 4  
 Column diameter: 0.25

Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29406.d  
 Report Date: 21-Aug-2007 08:05

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29406.d  
 Lab Smp Id: SSTD080  
 Inj Date : 20-AUG-2007 19:30  
 Operator : BNAMS 4 Inst ID: BNAMS2.i  
 Smp Info : SSTD080  
 Misc Info : 80 ng/uL BNA Std Lot 4104  
 Comment :  
 Method : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/8270C\_06.m  
 Meth Date : 21-Aug-2007 08:05 croccom Quant Type: ISTD  
 Cal Date : 20-AUG-2007 19:30 Cal File: s29406.d  
 Als bottle: 4 Calibration Sample, Level: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 3.50  
 Processing Host: hpd1

(M) 8/21/07

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88			2.901	2.901	(0.432)	465826	80.0000	86
19 N-Nitrosodimethylamine	74			3.392	3.392	(0.505)	621291	80.0000	78
71 Pyridine	79			3.369	3.369	(0.501)	1149417	80.0000	85
\$ 16 2-Fluorophenol (SUR)	112			5.109	5.109	(0.760)	1065561	80.0000	80
110 Benzaldehyde	77			6.153	6.153	(0.915)	478876	80.0000	60
\$ 17 Phenol-d5 (SUR)	99			6.317	6.317	(0.940)	1201436	80.0000	76
1 Phenol	94			6.332	6.332	(0.942)	1204105	80.0000	72
73 Aniline	93			6.347	6.347	(0.944)	1317957	80.0000	74
20 bis(2-Chloroethyl)ether	93			6.415	6.415	(0.954)	943880	80.0000	74
113 n-decane	43			6.498	6.498	(0.967)	678333	80.0000	72
2 2-Chlorophenol	128			6.490	6.490	(0.966)	951382	80.0000	75
21 1,3-Dichlorobenzene	146			6.676	6.676	(0.993)	1055753	80.0000	78
* 79 1,4-Dichlorobenzene-d4	152			6.721	6.721	(1.000)	336615	40.0000	
22 1,4-Dichlorobenzene	146			6.744	6.744	(1.003)	951161	80.0000	75
74 Benzyl Alcohol	108			6.944	6.944	(1.033)	704169	80.0000	78

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 1,2-Dichlorobenzene	146	7.005	7.005	(1.042)	946954	80.0000	75
3 2-Methylphenol	108	7.117	7.117	(1.059)	910422	80.0000	76
24 bis(2-chloroisopropyl)ether	45	7.139	7.139	(1.062)	1124472	80.0000	72
4 4-Methylphenol	108	7.325	7.325	(1.090)	910910	80.0000	75
104 Acetophenone	105	7.310	7.310	(1.088)	1306809	80.0000	74
25 N-Nitroso-di-n-propylamine	70	7.354	7.354	(1.094)	690566	80.0000	75
26 Hexachloroethane	117	7.422	7.422	(1.104)	448043	80.0000	75
\$ 76 Nitrobenzene-d5 (SUR)	82	7.527	7.527	(0.886)	1129615	80.0000	79
107 N,N-Dimethylaniline	120	7.565	7.565	(1.125)	1241320	80.0000	72
27 Nitrobenzene	77	7.557	7.557	(0.889)	1251479	80.0000	72
28 Isophorone	82	7.864	7.864	(0.925)	2032516	80.0000	74
6 2,4-Dimethylphenol	122	8.051	8.051	(0.947)	840683	80.0000	74
5 2-Nitrophenol	139	7.991	7.991	(0.940)	590234	80.0000	79
29 bis(2-Chloroethoxy)methane	93	8.169	8.169	(0.961)	1071323	80.0000	74
15 Benzoic Acid	122	8.282	8.282	(0.974)	427547	80.0000	81 (M)
7 2,4-Dichlorophenol	162	8.327	8.327	(0.980)	751757	80.0000	77
30 1,2,4-Trichlorobenzene	180	8.440	8.440	(0.993)	716450	80.0000	75
* 80 Naphthalene-d8	136	8.499	8.499	(1.000)	1275900	40.0000	
31 Naphthalene	128	8.530	8.530	(1.004)	2458285	80.0000	75
32 4-Chloroaniline	127	8.634	8.634	(1.016)	1200190	80.0000	79
33 Hexachlorobutadiene	225	8.769	8.769	(1.032)	439734	80.0000	75
111 Caprolactam	113	9.178	9.178	(1.080)	423445	80.0000	79 (MH)
8 4-Chloro-3-methylphenol	107	9.336	9.336	(1.098)	832224	80.0000	69
34 2-Methylnaphthalene	142	9.501	9.501	(1.118)	1740329	80.0000	74
120 1-Methylnaphthalene	142	9.659	9.659	(1.136)	1554451	80.0000	76 (A)
35 Hexachlorocyclopentadiene	237	9.824	9.824	(0.891)	430402	80.0000	86
9 2,4,6-Trichlorophenol	196	9.957	9.957	(0.903)	500104	80.0000	79
10 2,4,5-Trichlorophenol	196	10.025	10.025	(0.909)	517664	80.0000	78
\$ 77 2-Fluorobiphenyl (SUR)	172	10.056	10.056	(0.912)	1693455	80.0000	76
102 Diphenyl	154	10.183	10.183	(0.923)	2027396	80.0000	78
36 2-Chloronaphthalene	162	10.206	10.206	(0.925)	1450045	80.0000	75
103 Diphenyl Ether	170	10.341	10.341	(0.937)	1048552	80.0000	78
37 2-Nitroaniline	65	10.409	10.409	(0.944)	570642	80.0000	79
38 Dimethylphthalate	163	10.699	10.699	(0.970)	1929069	80.0000	74
114 Coumarin	146	10.714	10.714	(1.261)	724767	80.0000	75
40 2,6-Dinitrotoluene	165	10.813	10.813	(0.980)	480313	80.0000	82
39 Acenaphthylene	152	10.820	10.820	(0.981)	2385839	80.0000	75
41 3-Nitroaniline	138	11.016	11.016	(0.999)	574954	80.0000	78
* 82 Acenaphthene-d10	164	11.031	11.031	(1.000)	707213	40.0000	
42 Acenaphthene	154	11.083	11.083	(1.005)	1480727	80.0000	78
11 2,4-Dinitrophenol	184	11.151	11.151	(1.011)	246835	80.0000	86
12 4-Nitrophenol	65	11.263	11.263	(1.021)	437792	80.0000	85
43 Dibenzofuran	168	11.309	11.309	(1.025)	2189199	80.0000	76
44 2,4-Dinitrotoluene	165	11.369	11.369	(1.031)	638307	80.0000	81
45 Diethylphthalate	149	11.713	11.713	(1.062)	2243486	80.0000	74
46 4-Chlorophenyl-phenylether	204	11.794	11.794	(1.069)	843966	80.0000	80
47 Fluorene	166	11.809	11.809	(1.071)	1770682	80.0000	75

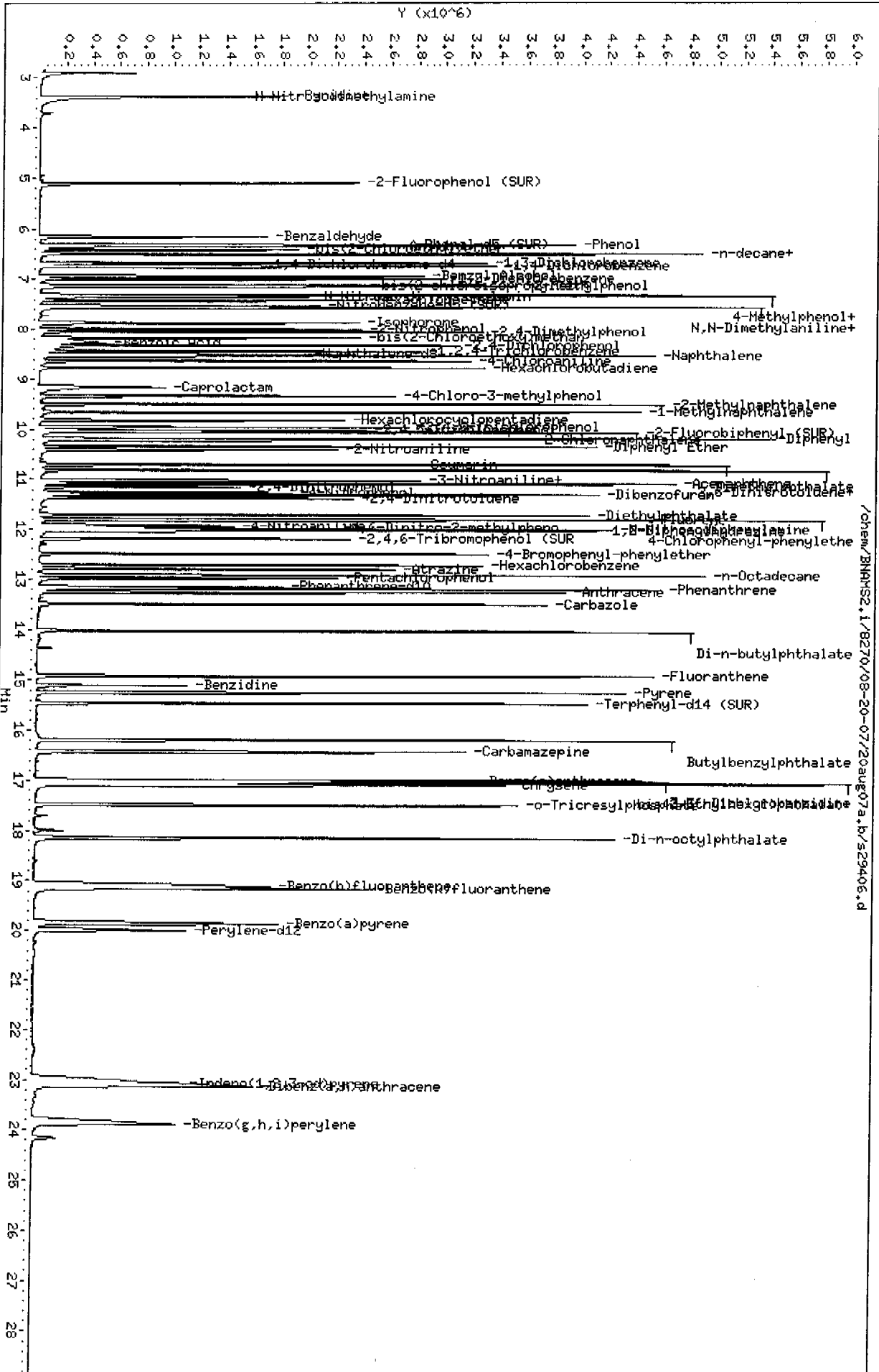
Compounds	QUANT SIG			REL RT	RESPONSE	AMOUNTS	
	MASS	RT	EXP RT			CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
48 4-Nitroaniline	138	11.938	11.938	(1.082)	586616	80.0000	80
13 4,6-Dinitro-2-methylphenol	198	11.975	11.975	(0.911)	345956	80.0000	88
49 N-Nitrosodiphenylamine	169	11.991	11.991	(0.912)	1286684	80.0000	77
75 1,2-Diphenylhydrazine	77	12.027	12.027	(0.915)	2519574	80.0000	79
\$ 18 2,4,6-Tribromophenol (SUR)	330	12.193	12.193	(1.105)	334661	80.0000	82
50 4-Bromophenyl-phenylether	248	12.493	12.493	(0.950)	522061	80.0000	79
112 Atrazine	200	12.799	12.799	(0.973)	444500	80.0000	82
51 Hexachlorobenzene	284	12.717	12.717	(0.967)	596028	80.0000	76
115 n-Octadecane	57	12.924	12.924	(0.983)	1067960	80.0000	84
14 Pentachlorophenol	266	12.985	12.985	(0.987)	369185	80.0000	83
* .83 Phenanthrene-d10	188	13.150	13.150	(1.000)	1094439	40.0000	
52 Phenanthrene	178	13.196	13.196	(1.003)	2355526	80.0000	78
53 Anthracene	178	13.257	13.257	(1.008)	2332855	80.0000	76
54 Carbazole	167	13.497	13.497	(1.026)	2479523	80.0000	74
55 Di-n-butylphthalate	149	14.026	14.026	(1.067)	3854379	80.0000	71
56 Fluoranthene	202	14.917	14.917	(1.134)	2813325	80.0000	75
58 Benzidine	184	15.096	15.096	(1.148)	578033	80.0000	56
57 Pyrene	202	15.246	15.246	(0.895)	2795144	80.0000	73
\$ 78 Terphenyl-d14 (SUR)	244	15.463	15.463	(0.908)	1843050	80.0000	72
59 Butylbenzylphthalate	149	16.191	16.191	(0.950)	1916404	80.0000	69
118 Carbamazepine	193	16.423	16.423	(0.964)	1322529	80.0000	80 (A)
63 bis(2-Ethylhexyl)phthalate	149	17.048	17.048	(1.001)	2373762	80.0000	73
60 3,3'-Dichlorobenzidine	252	16.990	16.990	(0.997)	936238	80.0000	73
61 Benzo(a)anthracene	228	17.005	17.005	(0.998)	2408359	80.0000	71
* 81 Chrysene-d12	240	17.034	17.034	(1.000)	1188507	40.0000	
62 Chrysene	228	17.092	17.092	(1.003)	2313866	80.0000	79
117 o-Tricresylphosphate	165	17.484	17.484	(1.026)	702373	80.0000	71 (A)
64 Di-n-octylphthalate	149	18.146	18.146	(0.908)	4334386	80.0000	71
65 Benzo(b)fluoranthene	252	19.108	19.108	(0.956)	2883657	80.0000	80
66 Benzo(k)fluoranthene	252	19.153	19.153	(0.958)	2270609	80.0000	71 (MH)
67 Benzo(a)pyrene	252	19.860	19.860	(0.994)	2436424	80.0000	77
* 84 Perylene-d12	264	19.988	19.988	(1.000)	1017238	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	23.058	23.058	(1.154)	2915651	80.0000	78 (M)
69 Dibenz(a,h)anthracene	278	23.119	23.119	(1.157)	2337289	80.0000	79
70 Benzo(g,h,i)perylene	276	23.876	23.876	(1.194)	2456508	80.0000	75

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: /chem/BNAHS2.1/8270/08-20-07/20aug07a.b/s29406.d  
 Date: 20-AUG-2007 19:30  
 Client ID:  
 Sample Info: SSTD080  
 Purge Volume: 1000.0  
 Column Phase: DB-5

Instrument: BNAHS2.i  
 Operator: BNAHS 4  
 Column diameter: 0.25



Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29404.d  
 Report Date: 21-Aug-2007 08:05

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29404.d  
 Lab Smp Id: SSTD120  
 Inj Date : 20-AUG-2007 18:12  
 Operator : BNAMS 4 Inst ID: BNAMS2.i  
 Smp Info : SSTD120  
 Misc Info : 120 ng/uL BNA Std Lot 4104  
 Comment :  
 Method : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/8270C\_06.m  
 Meth Date : 21-Aug-2007 08:05 croccom Quant Type: ISTD  
 Cal Date : 20-AUG-2007 18:12 Cal File: s29404.d  
 Als bottle: 2 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 3.50  
 Processing Host: hpd1

Ⓜ 8/21/07

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	==	2.900	2.900	(0.431)	633233	120.000	120(A)
19 N-Nitrosodimethylamine	74	==	3.395	3.395	(0.505)	822931	120.000	110
71 Pyridine	79	==	3.365	3.365	(0.500)	1517727	120.000	120(A)
\$ 16 2-Fluorophenol (SUR)	112	==	5.104	5.104	(0.759)	1485319	120.000	120
110 Benzaldehyde	77	==	6.152	6.152	(0.914)	474944	120.000	63
\$ 17 Phenol-d5 (SUR)	99	==	6.322	6.322	(0.940)	1664601	120.000	110
1 Phenol	94	==	6.345	6.345	(0.943)	1670937	120.000	110
73 Aniline	93	==	6.352	6.352	(0.944)	1837726	120.000	110
20 bis(2-Chloroethyl)ether	93	==	6.420	6.420	(0.954)	1311417	120.000	110
113 n-decane	43	==	6.503	6.503	(0.967)	903337	120.000	100
2 2-Chlorophenol	128	==	6.496	6.496	(0.965)	1314696	120.000	110
21 1,3-Dichlorobenzene	146	==	6.683	6.683	(0.993)	1412170	120.000	110
* 79 1,4-Dichlorobenzene-d4	152	==	6.728	6.728	(1.000)	315514	40.0000	
22 1,4-Dichlorobenzene	146	==	6.749	6.749	(1.003)	1393465	120.000	120
74 Benzyl Alcohol	108	==	6.959	6.959	(1.034)	990353	120.000	120

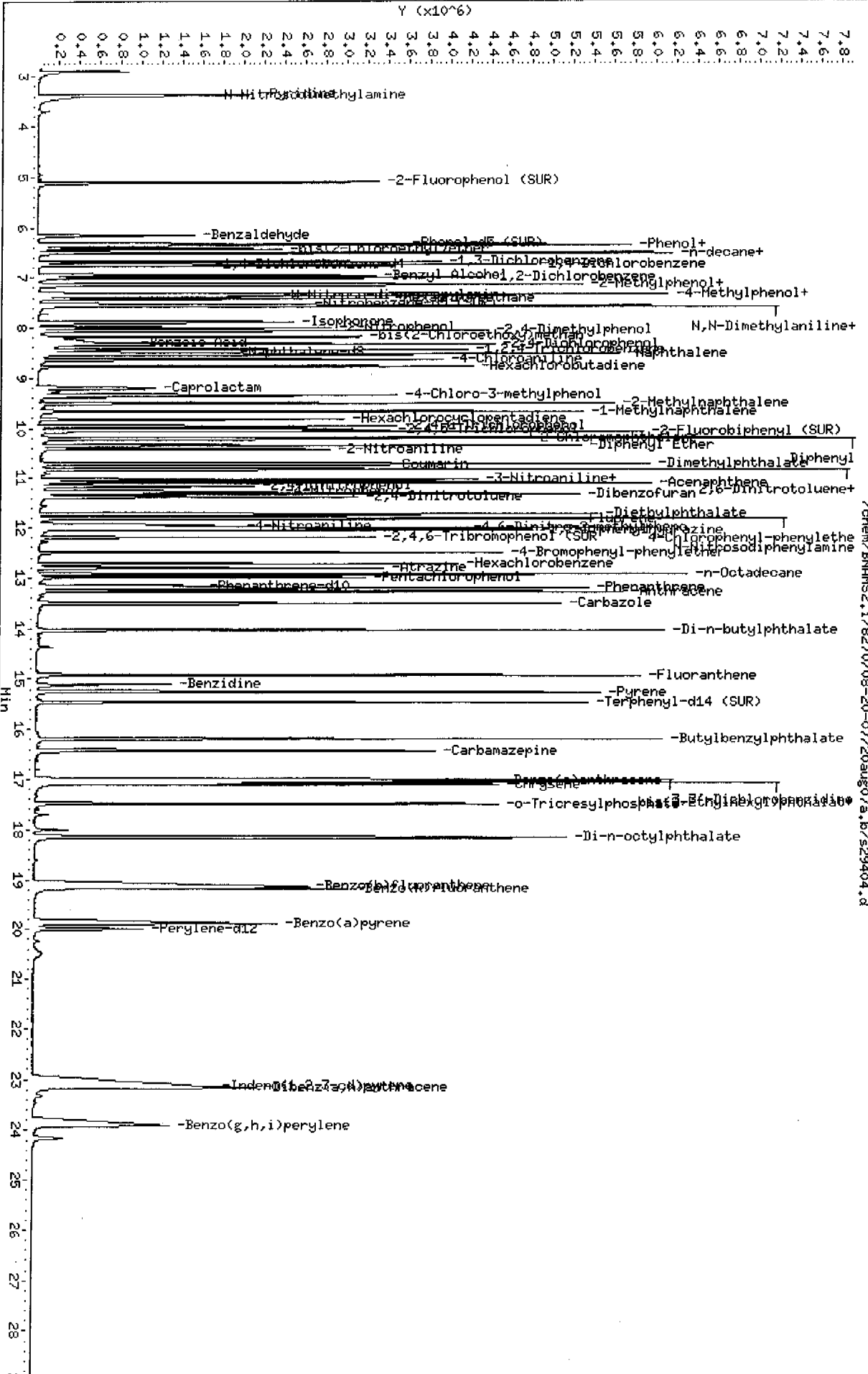
Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
23 1,2-Dichlorobenzene	146	7.004	7.004 (1.041)	1294770	120.000	110	
3 2-Methylphenol	108	7.132	7.132 (1.060)	1242543	120.000	110	
24 bis(2-chloroisopropyl) ether	45	7.140	7.140 (1.061)	1565032	120.000	110	
4 4-Methylphenol	108	7.334	7.334 (1.090)	1220662	120.000	110	
104 Acetophenone	105	7.319	7.319 (1.088)	1857756	120.000	110	
25 N-Nitroso-di-n-propylamine	70	7.364	7.364 (1.095)	962362	120.000	110	
26 Hexachloroethane	117	7.417	7.417 (1.102)	590266	120.000	100	
\$ 76 Nitrobenzene-d5 (SUR)	82	7.537	7.537 (0.887)	1545822	120.000	120	
107 N,N-Dimethylaniline	120	7.567	7.567 (1.125)	1701309	120.000	100	
27 Nitrobenzene	77	7.567	7.567 (0.890)	1706518	120.000	110	
28 Isophorone	82	7.874	7.874 (0.927)	2936630	120.000	120	
6 2,4-Dimethylphenol	122	8.054	8.054 (0.948)	1172500	120.000	110	
5 2-Nitrophenol	139	8.001	8.001 (0.942)	807633	120.000	120	
29 bis(2-Chloroethoxy)methane	93	8.182	8.182 (0.963)	1471211	120.000	110	
15 Benzoic Acid	122	8.311	8.311 (0.978)	650975	120.000	120	
7 2,4-Dichlorophenol	162	8.333	8.333 (0.981)	1018450	120.000	110	
30 1,2,4-Trichlorobenzene	180	8.439	8.439 (0.993)	1013407	120.000	110	
* 80 Naphthalene-d8	136	8.498	8.498 (1.000)	1179042	40.0000		
31 Naphthalene	128	8.536	8.536 (1.004)	3431069	120.000	110	
32 4-Chloroaniline	127	8.642	8.642 (1.017)	1581656	120.000	110	
33 Hexachlorobutadiene	225	8.769	8.769 (1.032)	622570	120.000	120	
111 Caprolactam	113	9.211	9.211 (1.084)	568730	120.000	120 (MH)	
8 4-Chloro-3-methylphenol	107	9.347	9.347 (1.100)	1098334	120.000	98	
34 2-Methylnaphthalene	142	9.504	9.504 (1.118)	2504506	120.000	120	
120 1-Methylnaphthalene	142	9.670	9.670 (1.138)	2166490	120.000	110 (A)	
35 Hexachlorocyclopentadiene	237	9.827	9.827 (0.890)	620534	120.000	130 (A)	
9 2,4,6-Trichlorophenol	196	9.963	9.963 (0.903)	711067	120.000	120	
10 2,4,5-Trichlorophenol	196	10.031	10.031 (0.909)	745527	120.000	120	
\$ 77 2-Fluorobiphenyl (SUR)	172	10.061	10.061 (0.912)	2399651	120.000	110	
102 Diphenyl	154	10.197	10.197 (0.924)	2783084	120.000	110	
36 2-Chloronaphthalene	162	10.212	10.212 (0.925)	2075003	120.000	110	
103 Diphenyl Ether	170	10.347	10.347 (0.937)	1503539	120.000	120	
37 2-Nitroaniline	65	10.421	10.421 (0.944)	778893	120.000	110	
38 Dimethylphthalate	163	10.704	10.704 (0.970)	2731193	120.000	110	
114 Coumarin	146	10.726	10.726 (1.262)	999787	120.000	110	
40 2,6-Dinitrotoluene	165	10.825	10.825 (0.981)	688255	120.000	120 (A)	
39 Acenaphthylene	152	10.825	10.825 (0.981)	3333883	120.000	110	
41 3-Nitroaniline	138	11.029	11.029 (0.999)	798930	120.000	110	
* 82 Acenaphthene-d10	164	11.037	11.037 (1.000)	671320	40.0000		
42 Acenaphthene	154	11.090	11.090 (1.005)	2173119	120.000	120 (A)	
11 2,4-Dinitrophenol	184	11.164	11.164 (1.012)	368541	120.000	120	
12 4-Nitrophenol	65	11.277	11.277 (1.022)	618038	120.000	130 (A)	
43 Dibenzofuran	168	11.315	11.315 (1.025)	3102850	120.000	110	
44 2,4-Dinitrotoluene	165	11.383	11.383 (1.031)	916900	120.000	120 (A)	
45 Diethylphthalate	149	11.723	11.723 (1.062)	3092928	120.000	110	
46 4-Chlorophenyl-phenylether	204	11.797	11.797 (1.069)	1184514	120.000	120	
47 Fluorene	166	11.820	11.820 (1.071)	2536062	120.000	110	

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
48 4-Nitroaniline	138	11.963	11.963	(1.084)	821655	120.000	120
13 4,6-Dinitro-2-methylphenol	198	11.994	11.994	(0.912)	511483	120.000	130(A)
49 N-Nitrosodiphenylamine	169	12.009	12.009	(0.913)	1774886	120.000	110
75 1,2-Diphenylhydrazine	77	12.032	12.032	(0.914)	3381709	120.000	110
\$ 18 2,4,6-Tribromophenol (SUR)	330	12.197	12.197	(1.105)	478783	120.000	120(A)
50 4-Bromophenyl-phenylether	248	12.497	12.497	(0.950)	728850	120.000	110
112 Atrazine	200	12.811	12.811	(0.974)	606040	120.000	110
51 Hexachlorobenzene	284	12.728	12.728	(0.967)	877423	120.000	110
115 n-Octadecane	57	12.930	12.930	(0.983)	1434253	120.000	120
14 Pentachlorophenol	266	12.991	12.991	(0.987)	523274	120.000	120(A)
* 83 Phenanthrene-d10	188	13.156	13.156	(1.000)	1068162	40.0000	
52 Phenanthrene	178	13.200	13.200	(1.003)	3417996	120.000	120
53 Anthracene	178	13.268	13.268	(1.009)	3377757	120.000	110
54 Carbazole	167	13.506	13.506	(1.027)	3599800	120.000	110
55 Di-n-butylphthalate	149	14.038	14.038	(1.067)	5368315	120.000	100
56 Fluoranthene	202	14.929	14.929	(1.135)	3996983	120.000	110
58 Benzidine	184	15.102	15.102	(1.148)	659937	120.000	66
57 Pyrene	202	15.253	15.253	(0.895)	3969640	120.000	110
\$ 78 Terphenyl-d14 (SUR)	244	15.468	15.468	(0.908)	2669667	120.000	110
59 Butylbenzylphthalate	149	16.194	16.194	(0.950)	2566557	120.000	99
118 Carbamazepine	193	16.431	16.431	(0.964)	1818468	120.000	120(A)
63 bis(2-Ethylhexyl)phthalate	149	17.050	17.050	(1.000)	3198651	120.000	110
60 3,3'-Dichlorobenzidine	252	17.000	17.000	(0.997)	1186744	120.000	99(A)
61 Benzo(a)anthracene	228	17.014	17.014	(0.998)	3553672	120.000	110
* 81 Chrysene-d12	240	17.043	17.043	(1.000)	1108887	40.0000	
62 Chrysene	228	17.103	17.103	(1.003)	2979751	120.000	110
117 o-Tricresylphosphate	165	17.493	17.493	(1.026)	958258	120.000	100(A)
64 Di-n-octylphthalate	149	18.154	18.154	(0.908)	6208649	120.000	110(M)
65 Benzo(b)fluoranthene	252	19.132	19.132	(0.957)	4597256	120.000	140(A)
66 Benzo(k)fluoranthene	252	19.170	19.170	(0.959)	2844749	120.000	99(MH)
67 Benzo(a)pyrene	252	19.884	19.884	(0.994)	3480284	120.000	120(A)
* 84 Perylene-d12	264	19.998	19.998	(1.000)	905971	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	23.126	23.126	(1.156)	4113332	120.000	120(AM)
69 Dibenz(a,h)anthracene	278	23.164	23.164	(1.158)	3334644	120.000	130(A)
70 Benzo(g,h,i)perylene	276	23.912	23.912	(1.196)	3465547	120.000	120

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: /chem/BNHMS2.i/8270/08-20-07/20aug07a,b/s29404.d  
 Date: 20-AUG-2007 18:12  
 Client ID:  
 Sample Info: SSTD120  
 Purge Volume: 1000.0  
 Column phase: DB-5  
 Instrument: BNHMS2.1  
 Operator: BNHMS 4  
 Column diameter: 0.25

Data File: /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29408.d  
 Report Date: 21-Aug-2007 08:05

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/s29408.d  
 Lab Smp Id: SSTD010  
 Inj Date : 20-AUG-2007 20:46  
 Operator : BNAMS 4 Inst ID: BNAMS2.i  
 Smp Info : SSTD010  
 Misc Info : 10 ng/uL BNA Std Lot 4104  
 Comment :  
 Method : /chem/BNAMS2.i/8270/08-20-07/20aug07a.b/8270C\_06.m  
 Meth Date : 21-Aug-2007 08:05 croccom Quant Type: ISTD  
 Cal Date : 20-AUG-2007 20:46 Cal File: s29408.d  
 Als bottle: 6 Calibration Sample, Level: 6  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 3.50  
 Processing Host: hpd1

8/21/07

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88		2.907	2.907	(0.433)	51458	10.0000	9.4
19 N-Nitrosodimethylamine	74		3.377	3.377	(0.503)	77223	10.0000	9.7
71 Pyridine	79		3.377	3.377	(0.503)	134395	10.0000	10
\$ 16 2-Fluorophenol (SUR)	112		5.100	5.100	(0.759)	136151	10.0000	10
110 Benzaldehyde	77		6.150	6.150	(0.915)	111129	10.0000	14
\$ 17 Phenol-d5 (SUR)	99		6.293	6.293	(0.936)	167181	10.0000	10
1 Phenol	94		6.308	6.308	(0.939)	181907	10.0000	11
73 Aniline	93		6.338	6.338	(0.943)	189690	10.0000	11
20 bis(2-Chloroethyl)ether	93		6.397	6.397	(0.952)	138401	10.0000	11
113 n-decane	43		6.494	6.494	(0.966)	103779	10.0000	11
2 2-Chlorophenol	128		6.487	6.487	(0.965)	137282	10.0000	11
21 1,3-Dichlorobenzene	146		6.667	6.667	(0.992)	141721	10.0000	10
* 79 1,4-Dichlorobenzene-d4	152		6.720	6.720	(1.000)	337753	40.0000	
22 1,4-Dichlorobenzene	146		6.742	6.742	(1.003)	132211	10.0000	10
74 Benzyl Alcohol	108		6.922	6.922	(1.030)	92961	10.0000	10

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
=====	=====	==	=====	=====	=====	=====	=====
23 1,2-Dichlorobenzene	146	6.997	6.997	(1.041)	132655	10.0000	10
3 2-Methylphenol	108	7.101	7.101	(1.057)	130402	10.0000	11
24 bis(2-chloroisopropyl) ether	45	7.124	7.124	(1.060)	170058	10.0000	11
4 4-Methylphenol	108	7.296	7.296	(1.086)	133251	10.0000	11
104 Acetophenone	105	7.289	7.289	(1.085)	195846	10.0000	11
25 N-Nitroso-di-n-propylamine	70	7.319	7.319	(1.089)	96019	10.0000	10
26 Hexachloroethane	117	7.417	7.417	(1.104)	63226	10.0000	10
\$ 76 Nitrobenzene-d5 (SUR)	82	7.513	7.513	(0.885)	149612	10.0000	10
107 N,N-Dimethylaniline	120	7.543	7.543	(1.123)	186275	10.0000	11
27 Nitrobenzene	77	7.536	7.536	(0.887)	182476	10.0000	10
28 Isophorone	82	7.842	7.842	(0.923)	287857	10.0000	10
6 2,4-Dimethylphenol	122	8.028	8.028	(0.945)	124749	10.0000	10
5 2-Nitrophenol	139	7.983	7.983	(0.940)	78871	10.0000	10
29 bis(2-Chloroethoxy)methane	93	8.155	8.155	(0.960)	162351	10.0000	11
15 Benzoic Acid	122	8.170	8.170	(0.962)	39650	10.0000	8.4 (M)
7 2,4-Dichlorophenol	162	8.305	8.305	(0.978)	105318	10.0000	10
30 1,2,4-Trichlorobenzene	180	8.424	8.424	(0.992)	100869	10.0000	10
* 80 Naphthalene-d8	136	8.492	8.492	(1.000)	1325957	40.0000	
31 Naphthalene	128	8.514	8.514	(1.003)	358015	10.0000	10
32 4-Chloroaniline	127	8.619	8.619	(1.015)	160785	10.0000	10
33 Hexachlorobutadiene	225	8.761	8.761	(1.032)	61786	10.0000	10
111 Caprolactam	113	9.050	9.050	(1.066)	58935	10.0000	11 (H)
8 4-Chloro-3-methylphenol	107	9.311	9.311	(1.096)	140446	10.0000	11
34 2-Methylnaphthalene	142	9.491	9.491	(1.118)	255988	10.0000	10
120 1-Methylnaphthalene	142	9.648	9.648	(1.136)	214434	10.0000	10 (A)
35 Hexachlorocyclopentadiene	237	9.820	9.820	(0.891)	44473	10.0000	8.2
9 2,4,6-Trichlorophenol	196	9.940	9.940	(0.901)	68718	10.0000	10
10 2,4,5-Trichlorophenol	196	10.000	10.000	(0.907)	73073	10.0000	10
\$ 77 2-Fluorobiphenyl (SUR)	172	10.038	10.038	(0.910)	252946	10.0000	10
102 Diphenyl	154	10.165	10.165	(0.922)	299019	10.0000	10
36 2-Chloronaphthalene	162	10.188	10.188	(0.924)	218109	10.0000	10
103 Diphenyl Ether	170	10.331	10.331	(0.937)	150225	10.0000	10
37 2-Nitroaniline	65	10.391	10.391	(0.942)	73863	10.0000	9.5 (a)
38 Dimethylphthalate	163	10.675	10.675	(0.968)	291388	10.0000	10
114 Coumarin	146	10.682	10.682	(1.258)	108619	10.0000	11
40 2,6-Dinitrotoluene	165	10.787	10.787	(0.978)	63562	10.0000	10
39 Acenaphthylene	152	10.802	10.802	(0.980)	364843	10.0000	10
41 3-Nitroaniline	138	10.989	10.989	(0.997)	78452	10.0000	9.9 (a)
* 82 Acenaphthene-d10	164	11.027	11.027	(1.000)	765343	40.0000	
42 Acenaphthene	154	11.064	11.064	(1.003)	205940	10.0000	10
11 2,4-Dinitrophenol	184	11.132	11.132	(1.010)	38551	20.0000	15
12 4-Nitrophenol	65	11.230	11.230	(1.018)	105720	20.0000	19
43 Dibenzofuran	168	11.290	11.290	(1.024)	314126	10.0000	10
44 2,4-Dinitrotoluene	165	11.341	11.341	(1.029)	83784	10.0000	9.9
45 Diethylphthalate	149	11.683	11.683	(1.060)	342574	10.0000	10
46 4-Chlorophenyl-phenylether	204	11.779	11.779	(1.068)	108679	10.0000	9.5
47 Fluorene	166	11.787	11.787	(1.069)	257508	10.0000	10

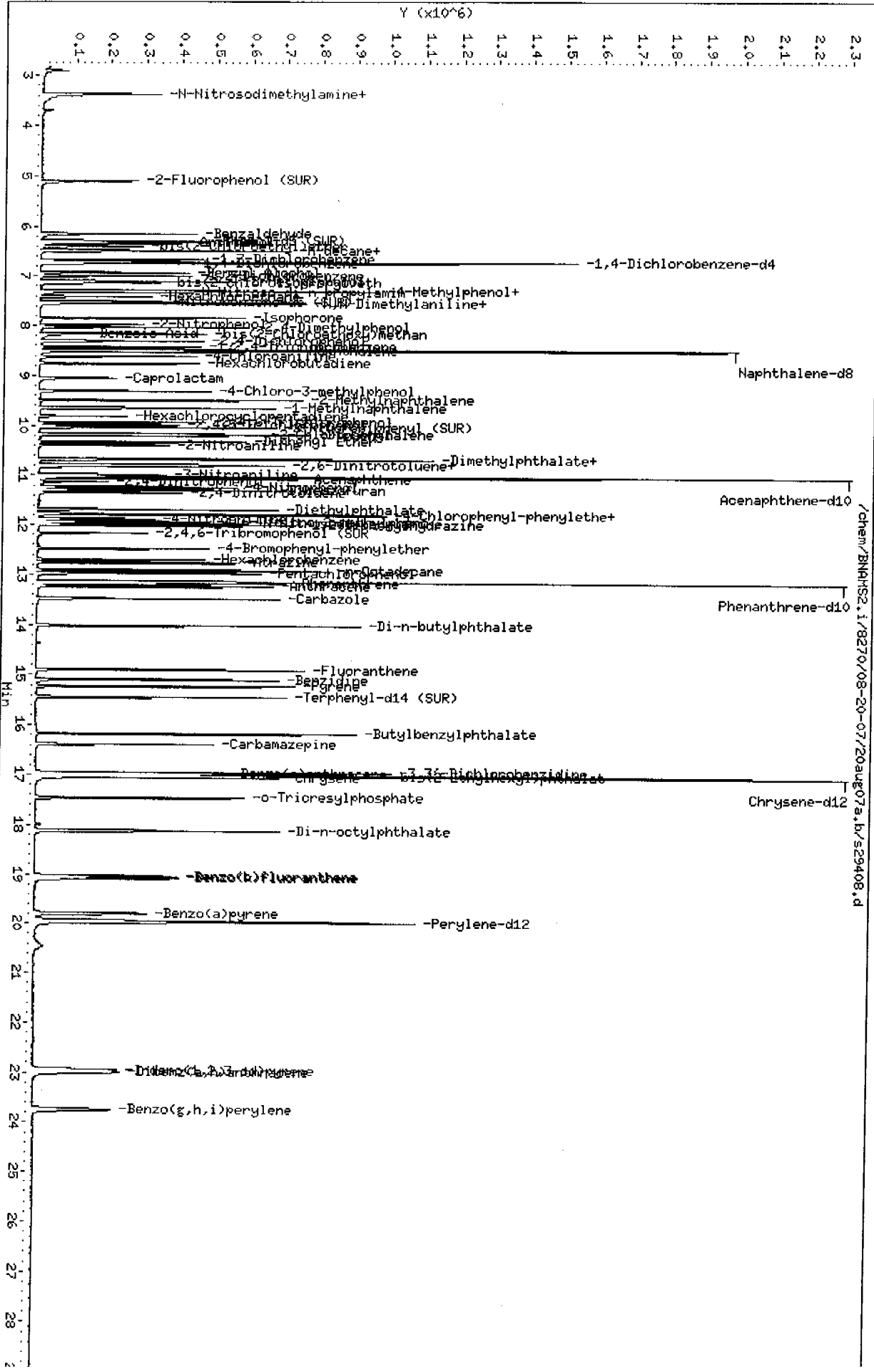
Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/ml)	ON-COL (ug/ml)
48 4-Nitroaniline	138		11.876	11.876	(1.077)	77931	10.0000	9.8 (a)
13 4,6-Dinitro-2-methylphenol	198		11.929	11.929	(0.907)	76381	20.0000	19
49 N-Nitrosodiphenylamine	169		11.959	11.959	(0.910)	184572	10.0000	11
75 1,2-Diphenylhydrazine	77		12.004	12.004	(0.913)	346655	10.0000	10
\$ 18 2,4,6-Tribromophenol (SUR)	330		12.169	12.169	(1.104)	44135	10.0000	10
50 4-Bromophenyl-phenylether	248		12.482	12.482	(0.949)	68792	10.0000	10
112 Atrazine	200		12.765	12.765	(0.971)	76634	10.0000	14
51 Hexachlorobenzene	284		12.706	12.706	(0.966)	86389	10.0000	11
115 n-Octadecane	57		12.907	12.907	(0.982)	175803	10.0000	13
14 Pentachlorophenol	266		12.966	12.966	(0.986)	93225	20.0000	20
* 83 Phenanthrene-d10	188		13.147	13.147	(1.000)	1129354	40.0000	
52 Phenanthrene	178		13.177	13.177	(1.002)	312989	10.0000	10
53 Anthracene	178		13.237	13.237	(1.007)	327863	10.0000	10
54 Carbazole	167		13.474	13.474	(1.025)	369102	10.0000	11
55 Di-n-butylphthalate	149		14.012	14.012	(1.066)	619382	10.0000	11
56 Fluoranthene	202		14.894	14.894	(1.133)	411169	10.0000	11
58 Benzidine	184		15.089	15.089	(1.148)	329763	20.0000	31
57 Pyrene	202		15.223	15.223	(0.895)	385538	10.0000	10
\$ 78 Terphenyl-d14 (SUR)	244		15.440	15.440	(0.907)	271714	10.0000	11
59 Butylbenzylphthalate	149		16.171	16.171	(0.950)	299104	10.0000	11
118 Carbamazepine	193		16.389	16.389	(0.963)	165502	10.0000	10 (A)
63 bis(2-Ethylhexyl)phthalate	149		17.033	17.033	(1.001)	323332	10.0000	10
60 3,3'-Dichlorobenzidine	252		16.957	16.957	(0.996)	266417	20.0000	22
61 Benzo(a)anthracene	228		16.979	16.979	(0.998)	327433	10.0000	10
* 81 Chrysene-d12	240		17.018	17.018	(1.000)	1134075	40.0000	
62 Chrysene	228		17.055	17.055	(1.002)	297240	10.0000	11
117 o-Tricresylphosphate	165		17.462	17.462	(1.026)	106315	10.0000	11 (A)
64 Di-n-octylphthalate	149		18.114	18.114	(0.907)	693292	10.0000	11 (M)
65 Benzo(b)fluoranthene	252		19.030	19.030	(0.953)	365120	10.0000	9.8 (MH)
66 Benzo(k)fluoranthene	252		19.083	19.083	(0.956)	341893	10.0000	10 (M)
67 Benzo(a)pyrene	252		19.789	19.789	(0.991)	340831	10.0000	10
* 84 Perylene-d12	264		19.962	19.962	(1.000)	1059568	40.0000	
68 Indeno(1,2,3-cd)pyrene	276		22.940	22.940	(1.149)	389720	10.0000	10
69 Dibenz(a,h)anthracene	278		22.992	22.992	(1.152)	313904	10.0000	10
70 Benzo(g,h,i)perylene	276		23.745	23.745	(1.190)	338629	10.0000	9.9

QC Flag Legend

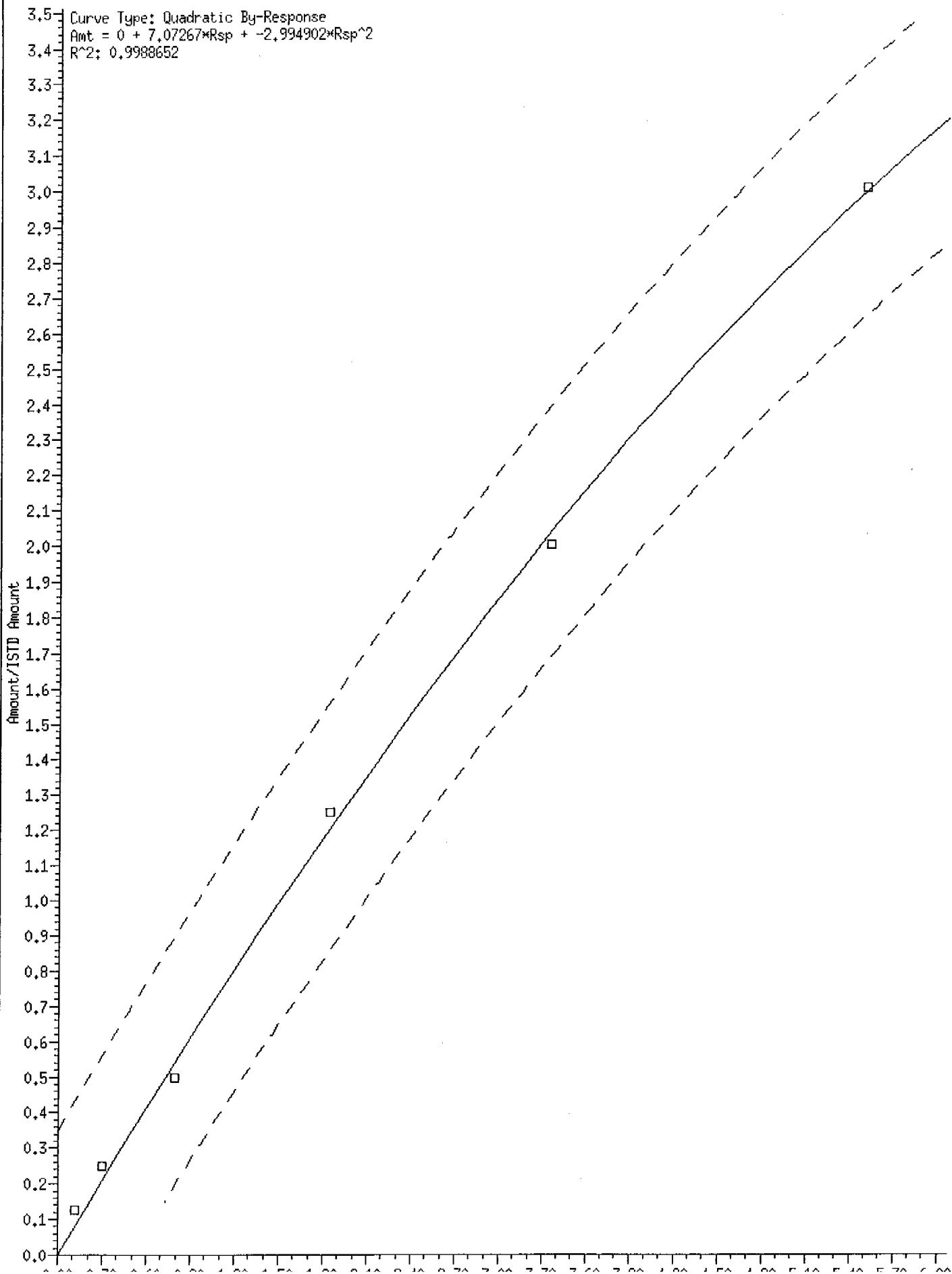
- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: /chem/BNHHS2.i/8270/08-20-07/20aug07a.b/s29408.d  
 Date: 20-AUG-2007 20:46  
 Client ID:  
 Sample Info: SSTD010  
 Purge Volume: 1000.0  
 Column phase: DB-5

Instrument: BNHHS2.1  
 Operator: BNHHS 4  
 Column diameter: 0.25

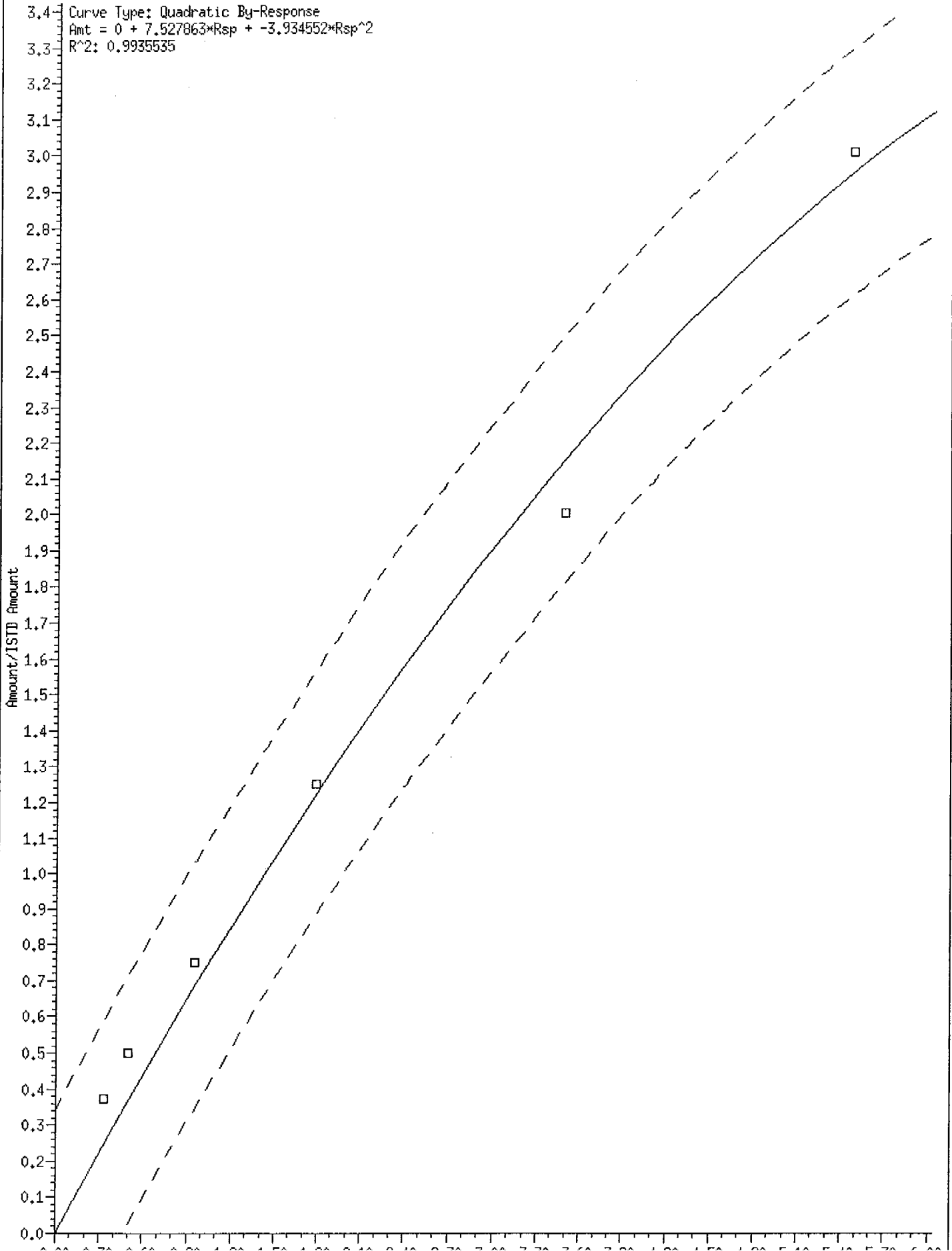


15 Benzoic Acid

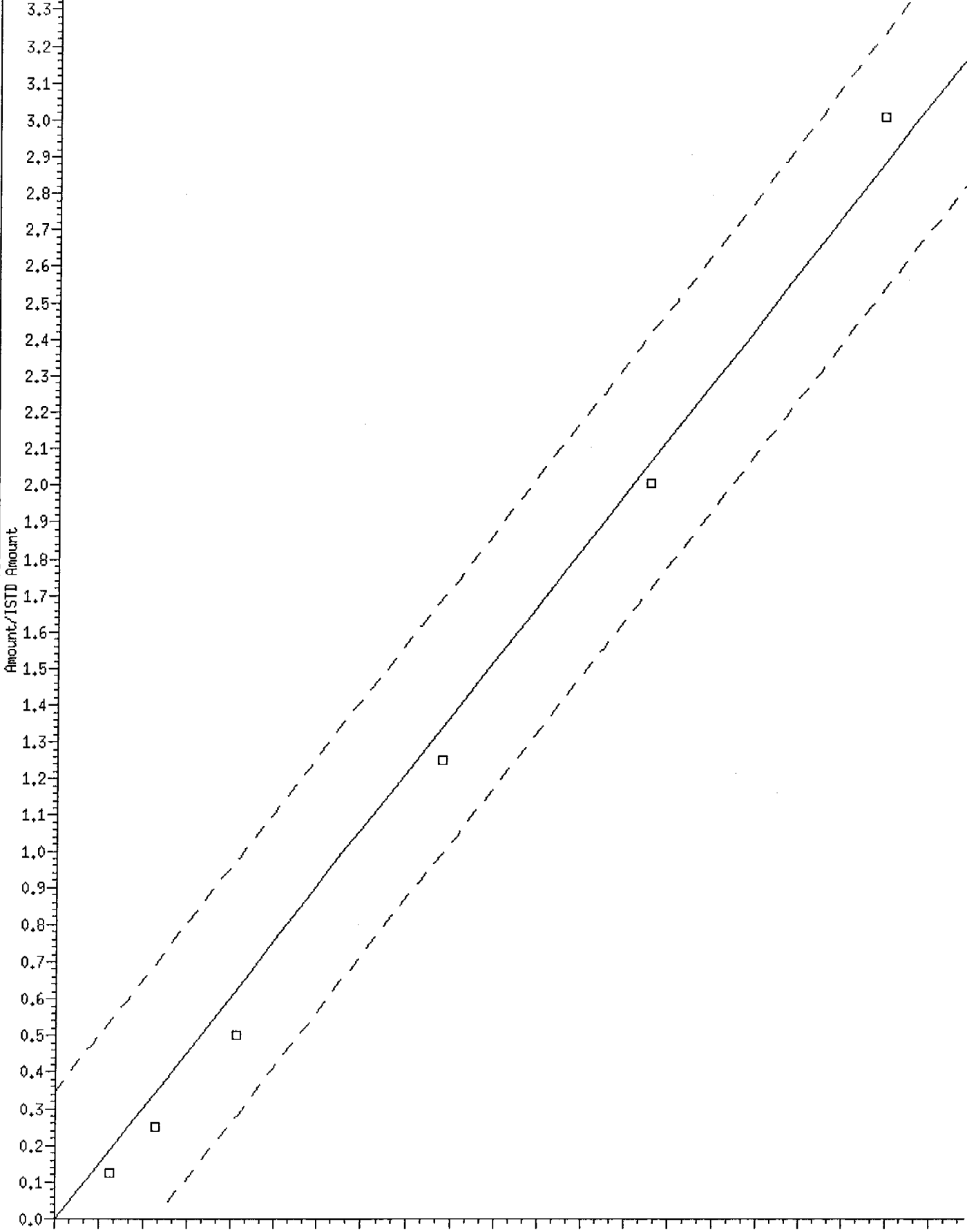


11 2,4-Dinitrophenol

Curve Type: Quadratic By-Response  
Amt = 0 + 7.927863\*Rsp + -3.934552\*Rsp^2  
R^2: 0.9935535

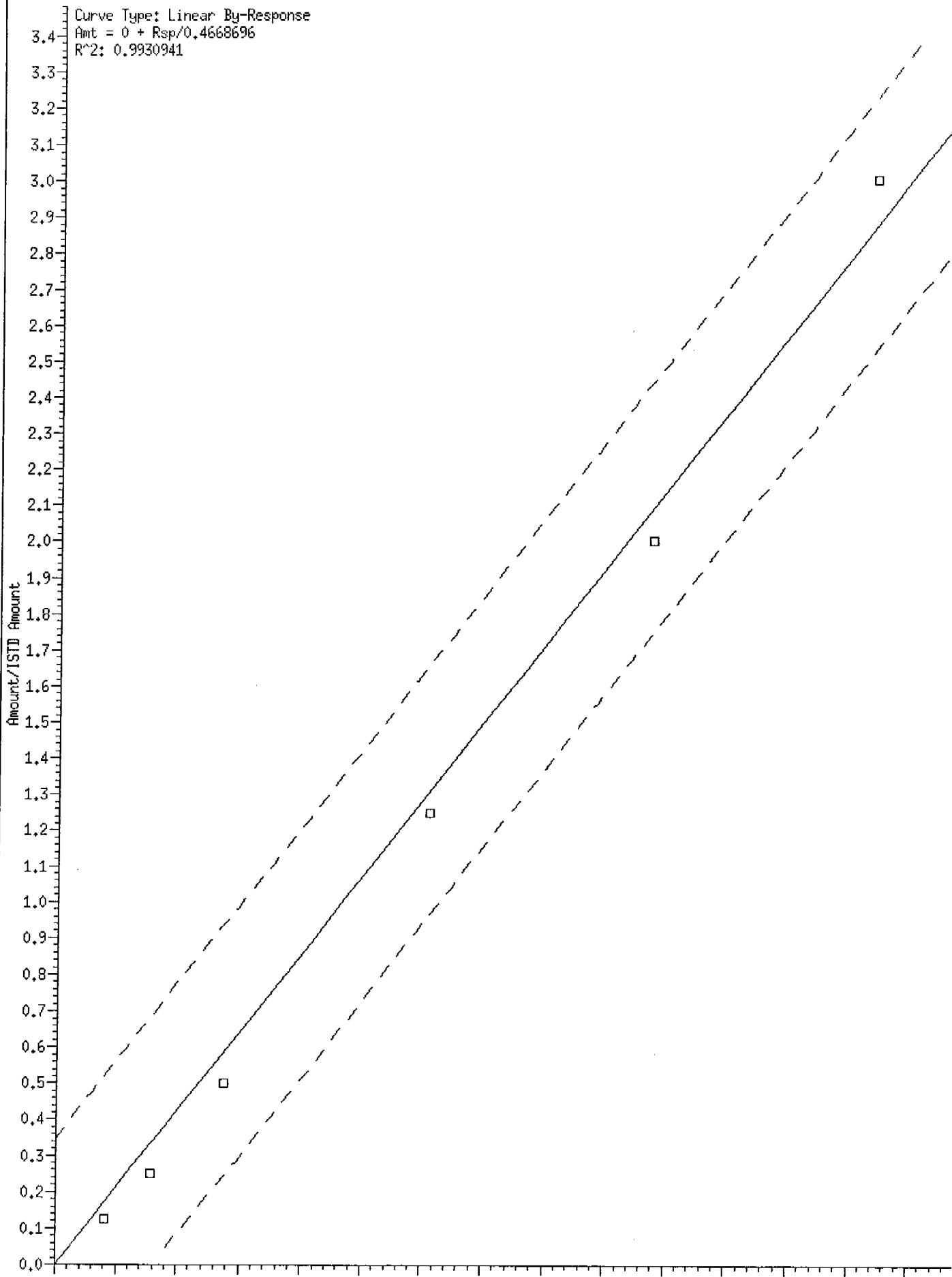


Curve Type: Linear By-Response  
Amt = 0 + Rsp/0.1973534  
R<sup>2</sup>: 0.9914587





115 n-Octadecane



FORM 7B  
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON Contract: N/A  
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: K084T  
 Instrument ID: BNAMS2 Calibration Date: 08/24/07 Time: 2103  
 Lab File ID: S29500 Init. Calib. Date(s): 08/20/07 08/20/07  
 Init. Calib. Times: 1734 2046  
 GC Column: DB-5 ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Phenol	1.9740000	1.9952077	1.9952077		-1.07	20.00	AVRG
2-Chlorophenol	1.5060000	1.4881461	1.4881461		1.18	20.00	AVRG
2-Methylphenol	1.4300000	1.4068877	1.4068877		1.62	20.00	AVRG
4-Methylphenol	1.4500000	1.4183024	1.4183024		2.19	20.00	AVRG
2-Nitrophenol	0.2340000	0.2318642	0.2318642		0.91	20.00	AVRG
2,4-Dimethylphenol	0.3570000	0.3336193	0.3336193		6.55	20.00	AVRG
2,4-Dichlorophenol	0.3070000	0.2887550	0.2887550		5.94	20.00	AVRG
4-Chloro-3-methylphenol	0.3790000	0.3672606	0.3672606		3.10	20.00	AVRG
2,4,6-Trichlorophenol	0.3580000	0.3430564	0.3430564		4.17	20.00	AVRG
2,4,5-Trichlorophenol	0.3740000	0.3689173	0.3689173		1.36	20.00	AVRG
2,4-Dinitrophenol	50.524936	50.000000	0.1486761	0.05	-1.05		2RDR
4-Nitrophenol	0.2900000	0.2628098	0.2628098	0.05	9.38	20.00	AVRG
4,6-Dinitro-2-methylphenol	0.1440000	0.1442617	0.1442617		-0.18	20.00	AVRG
Pentachlorophenol	0.1630000	0.1526895	0.1526895		6.32	20.00	AVRG
Benzoic Acid	64.590749	50.000000	0.2048634		-29.18		2RDR
N-Nitrosodimethylamine	0.9440000	0.9757481	0.9757481		-3.36	20.00	AVRG
bis(2-Chloroethyl) ether	1.5180000	1.6175452	1.6175452		-6.56	20.00	AVRG
1,3-Dichlorobenzene	1.6140000	1.5979007	1.5979007		1.00	20.00	AVRG
1,4-Dichlorobenzene	1.5130000	1.5103015	1.5103015		0.18	20.00	AVRG
1,2-Dichlorobenzene	1.4980000	1.5179566	1.5179566		-1.33	20.00	AVRG
bis(2-chloroisopropyl) ether	1.8410000	2.0605632	2.0605632		-11.93	20.00	AVRG
N-Nitroso-di-n-propylamine	1.0970000	1.0934700	1.0934700	0.05	0.32	20.00	AVRG
Hexachloroethane	0.7120000	0.7110141	0.7110141		0.14	20.00	AVRG
Nitrobenzene	0.5430000	0.4975157	0.4975157		8.38	20.00	AVRG
Isophorone	0.8560000	0.8281125	0.8281125		3.26	20.00	AVRG
bis(2-Chloroethoxy) methane	0.4560000	0.4643361	0.4643361		-1.83	20.00	AVRG
1,2,4-Trichlorobenzene	0.3000000	0.2826955	0.2826955		5.77	20.00	AVRG
Naphthalene	1.0310000	1.0047363	1.0047363		2.55	20.00	AVRG
4-Chloroaniline	0.4770000	0.4798156	0.4798156		-0.59	20.00	AVRG
Hexachlorobutadiene	0.1830000	0.1556931	0.1556931		14.92	20.00	AVRG
2-Methylnaphthalene	0.7380000	0.7158425	0.7158425		3.00	20.00	AVRG
Hexachlorocyclopentadiene	0.2820000	0.2779689	0.2779689	0.05	1.43	20.00	AVRG
2-Chloronaphthalene	1.0960000	1.0830391	1.0830391		1.18	20.00	AVRG
2-Nitroaniline	0.4060000	0.4069017	0.4069017		-0.22	20.00	AVRG
Dimethylphthalate	1.4640000	1.3835692	1.3835692		5.49	20.00	AVRG
Acenaphthylene	1.8080000	1.7295683	1.7295683		4.34	20.00	AVRG
2,6-Dinitrotoluene	0.3330000	0.3466615	0.3466615		-4.10	20.00	AVRG
3-Nitroaniline	0.4140000	0.4424283	0.4424283		-6.87	20.00	AVRG
Acenaphthene	1.0790000	1.0656514	1.0656514		1.24	20.00	AVRG
Dibenzofuran	1.6230000	1.6029210	1.6029210		1.24	20.00	AVRG
2,4-Dinitrotoluene	0.4440000	0.4934019	0.4934019		-11.13	20.00	AVRG
Diethylphthalate	1.7150000	1.6133834	1.6133834		5.92	20.00	AVRG

FORM 7B  
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL EDISON

Contract: N/A

Lab Code: N/A

Case No.: N/A

SAS No.: N/A

SDG No.: K084T

Instrument ID: BNAMS2

Calibration Date: 08/24/07

Time: 2103

Lab File ID: S29500

Init. Calib. Date(s): 08/20/07

08/20/07

Init. Calib. Times: 1734

2046

GC Column: DB-5

ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
4-Chlorophenyl-phenylether	0.5970000	0.5526444	0.5526444		7.43	20.00	AVRG
Fluorene	1.3340000	1.2634274	1.2634274		5.29	20.00	AVRG
4-Nitroaniline	0.4170000	0.4406196	0.4406196		-5.66	20.00	AVRG
N-Nitrosodiphenylamine	0.6090000	0.5794345	0.5794345		4.85	20.00	AVRG
4-Bromophenyl-phenylether	0.2400000	0.2324063	0.2324063		3.16	20.00	AVRG
Hexachlorobenzene	0.2860000	0.2538782	0.2538782		11.23	20.00	AVRG
Phenanthrene	1.0980000	1.0966995	1.0966995		0.12	20.00	AVRG
Anthracene	1.1160000	1.0943034	1.0943034		1.94	20.00	AVRG
Carbazole	1.2160000	1.1977997	1.1977997		1.50	20.00	AVRG
Di-n-butylphthalate	1.9830000	1.8430917	1.8430917		7.06	20.00	AVRG
Fluoranthene	1.3660000	1.3036754	1.3036754		4.56	20.00	AVRG
Pyrene	1.2940000	1.3438864	1.3438864		-3.86	20.00	AVRG
Benzidine	0.3770000	0.2059770	0.2059770		45.36	20.00	AVRG
Butylbenzylphthalate	0.9370000	0.9537523	0.9537523		-1.79	20.00	AVRG
3,3'-Dichlorobenzidine	0.4330000	0.3739199	0.3739199		13.64	20.00	AVRG
Benzo(a)anthracene	1.1440000	1.1151027	1.1151027		2.52	20.00	AVRG
Chrysene	0.9850000	1.0524219	1.0524219		-6.84	20.00	AVRG
bis(2-Ethylhexyl)phthalate	1.0870000	1.0786882	1.0786882		0.76	20.00	AVRG
Di-n-octylphthalate	2.4050000	2.4360967	2.4360967		-1.29	20.00	AVRG
Benzo(b)fluoranthene	1.4090000	1.4095918	1.4095918		-0.04	20.00	AVRG
Benzo(k)fluoranthene	1.2630000	1.3088210	1.3088210		-3.63	20.00	AVRG
Benzo(a)pyrene	1.2490000	1.2742046	1.2742046		-2.02	20.00	AVRG
Indeno(1,2,3-cd)pyrene	1.4730000	1.4308915	1.4308915		2.86	20.00	AVRG
Dibenz(a,h)anthracene	1.1660000	1.1472932	1.1472932		1.60	20.00	AVRG
Benzo(g,h,i)perylene	1.2900000	1.2746131	1.2746131		1.19	20.00	AVRG
Pyridine	1.5990000	1.6796727	1.6796727		-5.04	20.00	AVRG
Aniline	2.1160000	2.1560958	2.1560958		-1.89	20.00	AVRG
Benzyl Alcohol	1.0700000	1.1637435	1.1637435		-8.76	20.00	AVRG
1,2-Diphenylhydrazine	1.1680000	1.0577874	1.0577874		9.44	20.00	AVRG
Diphenyl	1.4760000	1.4187028	1.4187028		3.88	20.00	AVRG
Diphenyl Ether	0.7630000	0.7418864	0.7418864		2.77	20.00	AVRG
Acetophenone	2.0860000	2.1247040	2.1247040	0.01	-1.86	20.00	AVRG
1,4-Dioxane	0.6460000	0.6362525	0.6362525	0.01	1.51	20.00	AVRG
N,N-Dimethylaniline	2.0380000	2.0503768	2.0503768	0.01	-0.61	20.00	AVRG
2,3,7,8-TCDD (Screen)	0.1760000	0.1539795	0.1539795	0.01	12.51	20.00	AVRG
Benzaldehyde	0.9490000	0.6266678	0.6266678		33.96	20.00	AVRG
Caprolactam	0.1680000	0.1646313	0.1646313		2.00	20.00	AVRG
Atrazine	52.602903	50.000000	0.2076272		-5.20		LINR
n-decane	1.1200000	1.0776939	1.0776939		3.78	20.00	AVRG
Coumarin	0.3020000	0.2795999	0.2795999		7.42	20.00	AVRG
n-Octadecane	56.058243	50.000000	0.5234378		-12.12		LINR
o-Tricresylphosphate	0.3310000	0.3150718	0.3150718		4.81	20.00	AVRG

FORM 7B  
SEMIVOLATILE CONTINUING CALIBRATION CHECK

```
Lab Name: STL EDISON      Contract: N/A
Lab Code: N/A           Case No.: N/A        SAS No.: N/A       SDG No.: K084T
Instrument ID: BNAMS2   Calibration Date: 08/24/07   Time: 2103
Lab File ID: S29500    Init. Calib. Date(s): 08/20/07   08/20/07
                               Init. Calib. Times:   1734      2046
GC Column: DB-5       ID: 0.25  (mm)
```

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Carbamazepine	0.5590000	0.5927377	0.5927377		-6.04	20.00	AVRG
1-Methylnaphthalene	0.6420000	0.6114273	0.6114273		4.76	20.00	AVRG
2-Fluorophenol (SUR)	1.5820000	1.6011967	1.6011967		-1.21	20.00	AVRG
Phenol-d5 (SUR)	1.8820000	1.9480669	1.9480669		-3.51	20.00	AVRG
2,4,6-Tribromophenol (SUR)	0.2310000	0.2071735	0.2071735		10.31	20.00	AVRG
Nitrobenzene-d5 (SUR)	0.4480000	0.4283498	0.4283498		4.39	20.00	AVRG
2-Fluorobiphenyl (SUR)	1.2640000	1.1799688	1.1799688		6.65	20.00	AVRG
Terphenyl-d14 (SUR)	0.8560000	0.8656587	0.8656587		-1.13	20.00	AVRG

Average %D/%Drift test result.

Calculate Average %D/%Drift: 5.193439007  
Maximum Average %D/%Drift: 20.00000000

Note: Passes Average %D/%Drift Test.

Data File: /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/s29500.d  
 Report Date: 24-Aug-2007 21:46

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/s29500.d  
 Lab Smp Id: SSTD236a  
 Inj Date : 24-AUG-2007 21:03  
 Operator : BNAMS 4  
 Smp Info : SSTD236a  
 Misc Info : 50 ng/uL BNA Std Lot 4104  
 Comment :  
 Method : /chem/BNAMS2.i/8270/08-20-07/24aug07a.b/8270C\_06.m  
 Meth Date : 24-Aug-2007 21:46 rusin  
 Cal Date : 20-AUG-2007 20:46  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP RTE  
 Target Version: 3.50  
 Processing Host: hpd1

Inst ID: BNAMS2.i

Quant Type: ISTD  
 Cal File: s29408.d  
 Continuing Calibration Sample  
 Compound Sublist: all.sub

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

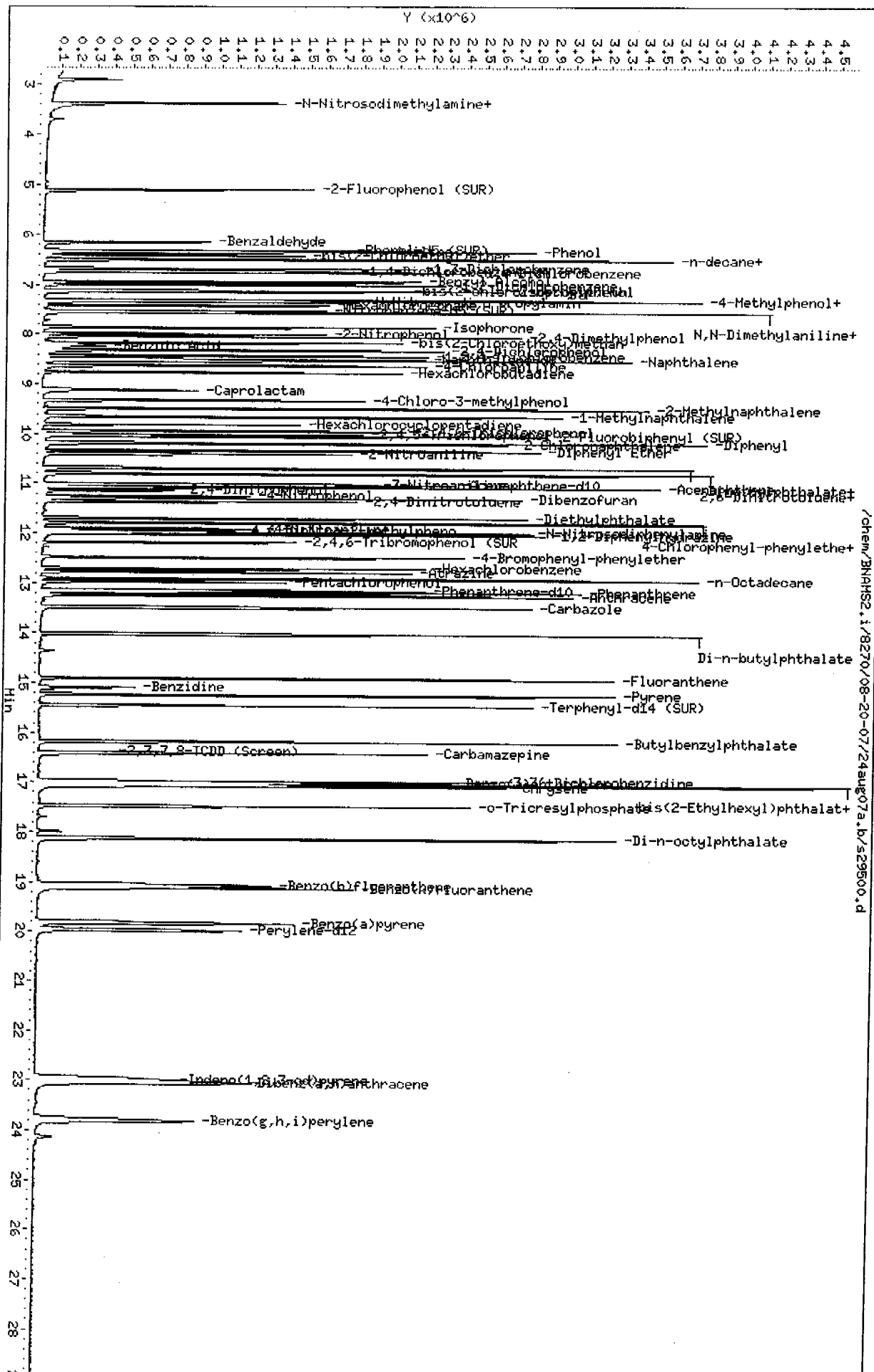
Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	2.898	2.898	(0.431)	281261	50.0000	49
19 N-Nitrosodimethylamine	74	3.382	3.382	(0.503)	431338	50.0000	52
71 Pyridine	79	3.367	3.367	(0.501)	742514	50.0000	52
\$ 16 2-Fluorophenol (SUR)	112	5.103	5.103	(0.760)	707823	50.0000	51
110 Benzaldehyde	77	6.149	6.149	(0.915)	277024	50.0000	33
\$ 17 Phenol-d5 (SUR)	99	6.306	6.306	(0.939)	861160	50.0000	52
1 Phenol	94	6.329	6.329	(0.942)	881999	50.0000	50
73 Aniline	93	6.344	6.344	(0.944)	953121	50.0000	51
20 bis(2-Chloroethyl)ether	93	6.404	6.404	(0.953)	715050	50.0000	53
113 n-decane	43	6.493	6.493	(0.966)	476404	50.0000	48
2 2-Chlorophenol	128	6.485	6.485	(0.965)	657848	50.0000	49
21 1,3-Dichlorobenzene	146	6.673	6.673	(0.993)	706366	50.0000	49
* 79 1,4-Dichlorobenzene-d4	152	6.718	6.718	(1.000)	353647	40.0000	
22 1,4-Dichlorobenzene	146	6.741	6.741	(1.003)	667642	50.0000	50
74 Benzyl Alcohol	108	6.934	6.934	(1.032)	514443	50.0000	54

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
23 1,2-Dichlorobenzene	146	6.994	6.994	(1.041)	671026	50.0000	51
3 2-Methylphenol	108	7.113	7.113	(1.059)	621927	50.0000	49
24 bis(2-chloroisopropyl) ether	45	7.128	7.128	(1.061)	910890	50.0000	56
4 4-Methylphenol	108	7.312	7.312	(1.088)	626973	50.0000	49
104 Acetophenone	105	7.305	7.305	(1.087)	939244	50.0000	51
25 N-Nitroso-di-n-propylamine	70	7.335	7.335	(1.092)	483378	50.0000	50
26 Hexachloroethane	117	7.410	7.410	(1.103)	314310	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)	82	7.521	7.521	(0.886)	768263	50.0000	48
107 N,N-Dimethylaniline	120	7.551	7.551	(1.124)	906387	50.0000	50
27 Nitrobenzene	77	7.544	7.544	(0.889)	892315	50.0000	46
28 Isophorone	82	7.850	7.850	(0.925)	1485254	50.0000	48
6 2,4-Dimethylphenol	122	8.038	8.038	(0.947)	598360	50.0000	47
5 2-Nitrophenol	139	7.986	7.986	(0.941)	415858	50.0000	50
29 bis(2-Chloroethoxy)methane	93	8.165	8.165	(0.962)	832806	50.0000	51
15 Benzoic Acid	122	8.240	8.240	(0.971)	367431	50.0000	64
7 2,4-Dichlorophenol	162	8.316	8.316	(0.980)	517894	50.0000	47
30 1,2,4-Trichlorobenzene	180	8.429	8.429	(0.993)	507026	50.0000	47
* 80 Naphthalene-d8	136	8.489	8.489	(1.000)	1434833	40.0000	
31 Naphthalene	128	8.519	8.519	(1.004)	1802036	50.0000	49
32 4-Chloroaniline	127	8.624	8.624	(1.016)	860569	50.0000	50
33 Hexachlorobutadiene	225	8.760	8.760	(1.032)	279242	50.0000	42
111 Caprolactam	113	9.134	9.134	(1.076)	295273	50.0000	49
8 4-Chloro-3-methylphenol	107	9.320	9.320	(1.098)	658697	50.0000	48
34 2-Methylnaphthalene	142	9.493	9.493	(1.118)	1283893	50.0000	48
120 1-Methylnaphthalene	142	9.650	9.650	(1.137)	1096620	50.0000	48 (A)
35 Hexachlorocyclopentadiene	237	9.815	9.815	(0.890)	269404	50.0000	49
9 2,4,6-Trichlorophenol	196	9.943	9.943	(0.902)	332486	50.0000	48
10 2,4,5-Trichlorophenol	196	10.010	10.010	(0.908)	357550	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	10.048	10.048	(0.912)	1143611	50.0000	47
102 Diphenyl	154	10.176	10.176	(0.923)	1374989	50.0000	48
36 2-Chloronaphthalene	162	10.199	10.199	(0.925)	1049668	50.0000	49
103 Diphenyl Ether	170	10.332	10.332	(0.937)	719027	50.0000	49
37 2-Nitroaniline	65	10.400	10.400	(0.943)	394364	50.0000	50
38 Dimethylphthalate	163	10.684	10.684	(0.969)	1340938	50.0000	47
114 Coumarin	146	10.692	10.692	(1.260)	501474	50.0000	46
40 2,6-Dinitrotoluene	165	10.797	10.797	(0.979)	335980	50.0000	52
39 Acenaphthylene	152	10.804	10.804	(0.980)	1676276	50.0000	48
41 3-Nitroaniline	138	11.007	11.007	(0.999)	428796	50.0000	53
* 82 Acenaphthene-d10	164	11.023	11.023	(1.000)	775350	40.0000	
42 Acenaphthene	154	11.076	11.076	(1.005)	1032816	50.0000	49
11 2,4-Dinitrophenol	184	11.136	11.136	(1.010)	144095	50.0000	50
12 4-Nitrophenol	65	11.249	11.249	(1.021)	254712	50.0000	45
43 Dibenzofuran	168	11.302	11.302	(1.025)	1553531	50.0000	49
44 2,4-Dinitrotoluene	165	11.355	11.355	(1.030)	478199	50.0000	56
45 Diethylphthalate	149	11.699	11.699	(1.061)	1563671	50.0000	47
46 4-Chlorophenyl-phenylether	204	11.782	11.782	(1.069)	535616	50.0000	46
47 Fluorene	166	11.798	11.798	(1.070)	1224498	50.0000	47

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	
48 4-Nitroaniline	138	11.911	11.911 (1.081)	427043	50.0000	53	
13 4,6-Dinitro-2-methylphenol	198	11.948	11.948 (0.909)	216622	50.0000	50	
49 N-Nitrosodiphenylamine	169	11.979	11.979 (0.911)	870073	50.0000	48	
75 1,2-Diphenylhydrazine	77	12.017	12.017 (0.914)	1588363	50.0000	45	
\$ 18 2,4,6-Tribromophenol (SUR)	330	12.175	12.175 (1.105)	200790	50.0000	45	
50 4-Bromophenyl-phenylether	248	12.482	12.482 (0.949)	348979	50.0000	48	
112 Atrazine	200	12.779	12.779 (0.972)	311771	50.0000	53	
51 Hexachlorobenzene	284	12.710	12.710 (0.967)	381221	50.0000	44	
115 n-Octadecane	57	12.914	12.914 (0.982)	785989	50.0000	56	
14 Pentachlorophenol	266	12.974	12.974 (0.987)	229277	50.0000	47	
* 83 Phenanthrene-d10	188	13.147	13.147 (1.000)	1201272	40.0000		
52 Phenanthrene	178	13.185	13.185 (1.003)	1646793	50.0000	50	
53 Anthracene	178	13.246	13.246 (1.007)	1643195	50.0000	49	
54 Carbazole	167	13.483	13.483 (1.026)	1798604	50.0000	49	
55 Di-n-butylphthalate	149	14.016	14.016 (1.066)	2767568	50.0000	46	
56 Fluoranthene	202	14.903	14.903 (1.134)	1957586	50.0000	48	
58 Benzidine	184	15.091	15.091 (1.148)	309293	50.0000	27	
57 Pyrene	202	15.233	15.233 (0.895)	1916602	50.0000	52	
\$ 78 Terphenyl-d14 (SUR)	244	15.450	15.450 (0.908)	1234571	50.0000	50	
59 Butylbenzylphthalate	149	16.181	16.181 (0.951)	1360207	50.0000	51	
109 2,3,7,8-TCDD (Screen)	320	16.383	16.383 (0.963)	2196	0.50000	0.44 (a)	
118 Carbamazepine	193	16.405	16.405 (0.964)	845341	50.0000	53 (A)	
63 bis(2-Ethylhexyl)phthalate	149	17.035	17.035 (1.001)	1538386	50.0000	50	
60 3,3'-Dichlorobenzidine	252	16.967	16.967 (0.997)	533271	50.0000	43	
61 Benzo(a)anthracene	228	16.990	16.990 (0.998)	1590319	50.0000	49	
* 81 Chrysene-d12	240	17.020	17.020 (1.000)	1140931	40.0000		
62 Chrysene	228	17.073	17.073 (1.003)	1500926	50.0000	53	
117 o-Tricresylphosphate	165	17.472	17.472 (1.027)	449344	50.0000	48 (A)	
64 Di-n-octylphthalate	149	18.124	18.124 (0.908)	3209061	50.0000	51	
65 Benzo(b)fluoranthene	252	19.060	19.060 (0.954)	1856850	50.0000	50	
66 Benzo(k)fluoranthene	252	19.120	19.120 (0.957)	1724105	50.0000	52	
67 Benzo(a)pyrene	252	19.826	19.826 (0.993)	1678505	50.0000	51	
* 84 Perylene-d12	264	19.969	19.969 (1.000)	1053837	40.0000		
68 Indeno(1,2,3-cd)pyrene	276	22.985	22.985 (1.151)	1884908	50.0000	48 (M)	
69 Dibenz(a,h)anthracene	278	23.059	23.059 (1.155)	1511325	50.0000	49	
70 Benzo(g,h,i)perylene	276	23.818	23.818 (1.193)	1679043	50.0000	49	

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.



Data File: /chem/BNHHS2.1/8270/08-20-07/24aug07a.bv/529500.d  
 Date: 24-AUG-2007 21:03  
 Client ID:  
 Sample Info: SST1236a  
 Purge Volume: 1000.0  
 Column phase: DB-5

Instrument: BNHHS2.1  
 Operator: BNHHS 4  
 Column diameter: 0.25

/chem/BNHHS2.1/8270/08-20-07/24aug07a.bv/529500.d



## Surrogate Compound Recovery Summary

SEMI-VOLATILE SURROGATE RECOVERY  
METHOD 8270C

Matrix: WATER

Level: LOW

Lab Job No: K084

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	EB236	42	27	73	79	81	87	0
02	854473	43	30	72	82	84	89	0
03								
04								
05								
06								
07								
08								
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27								
28								
29								
30								

QC LIMITS

S1 = 2-Fluorophenol (25- 67)  
 S2 = Phenol-d5 (15- 47)  
 S3 = 2,4,6-Tribromophenol (59-114)  
 S4 = Nitrobenzene-d5 (57-122)  
 S5 = 2-Fluorobiphenyl (52-123)  
 S6 = Terphenyl-d14 (66-106)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SEMI-VOLATILE SURROGATE RECOVERY  
METHOD 8270C

Matrix: WATER

Level: LOW

Lab Job No: QA5191

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	5191BS	49	31	85	92	84	102	0
02	853865	48	31	85	91	83	100	0
03	853865MS	47	30	84	90	82	101	0
04	853865MSD	45	30	83	90	83	101	0
05								
06								
07								
08								
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30								

QC LIMITS

S1 = 2-Fluorophenol (25- 67)  
 S2 = Phenol-d5 (15- 47)  
 S3 = 2,4,6-Tribromophenol (59-114)  
 S4 = Nitrobenzene-d5 (57-122)  
 S5 = 2-Fluorobiphenyl (52-123)  
 S6 = Terphenyl-d14 (66-106)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

## Spike Recovery Summary

SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY  
METHOD 8270C

Matrix: LEACHATE

Matrix Spike - Lab Sample No.: 853865

Level: LOW

MS Sample from Lab Job No: J983

QA Batch: 5191

Compound	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
2-Methylphenol	800	0.00	600	75	53-80
4-Methylphenol	1600	0.00	1000	62	41-72
2,4,6-Trichlorophenol	800	0.00	720	90	57-116
2,4,5-Trichlorophenol	800	0.00	710	89	46-117
Pentachlorophenol	800	0.00	750	94	63-126
1,4-Dichlorobenzene	400	0.00	280	70	43-107
Hexachloroethane	400	0.00	220	55	29-114
Nitrobenzene	400	0.00	290	72	29-101
Hexachlorobutadiene	400	0.00	160	40	26-124
2,4-Dinitrotoluene	400	0.00	380	95	64-119
Hexachlorobenzene	400	0.00	300	75	33-122
Pyridine	400	0.00	200	50	18-72

Compound	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD REC.	
2-Methylphenol	800	590	74	2	40	53-80
4-Methylphenol	1600	1000	62	0	40	41-72
2,4,6-Trichlorophenol	800	710	89	1	40	57-116
2,4,5-Trichlorophenol	800	700	88	1	40	46-117
Pentachlorophenol	800	720	90	4	40	63-126
1,4-Dichlorobenzene	400	290	72	4	40	43-107
Hexachloroethane	400	240	60	9	40	29-114
Nitrobenzene	400	290	72	0	40	29-101
Hexachlorobutadiene	400	180	45	12	40	26-124
2,4-Dinitrotoluene	400	390	98	3	40	64-119
Hexachlorobenzene	400	310	78	3	40	33-122
Pyridine	400	180	45	11	40	18-72

# Column to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

RPD: 0 out of 12 outside limits

Spike Recovery: 0 out of 24 outside limits

COMMENTS

Data File: /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9682.d  
 Report Date: 27-Aug-2007 12:28

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9682.d  
 Lab Smp Id: 853865 Client Smp ID: WP-6  
 Inj Date : 21-AUG-2007 23:39  
 Operator : BNAMS 4 Inst ID: BNAMS8.i  
 Smp Info : 853865;3846064  
 Misc Info : J983;EB233R;QA5191  
 Comment :  
 Method : /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/8270C\_06.m  
 Meth Date : 23-Aug-2007 13:33 croccom Quant Type: ISTD  
 Cal Date : 20-AUG-2007 22:03 Cal File: aa9639.d  
 Als bottle: 9  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: jTCLP.sub  
 Target Version: 3.50

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	250.00000	Volume of sample extracted (mL)

Cpnd Variable

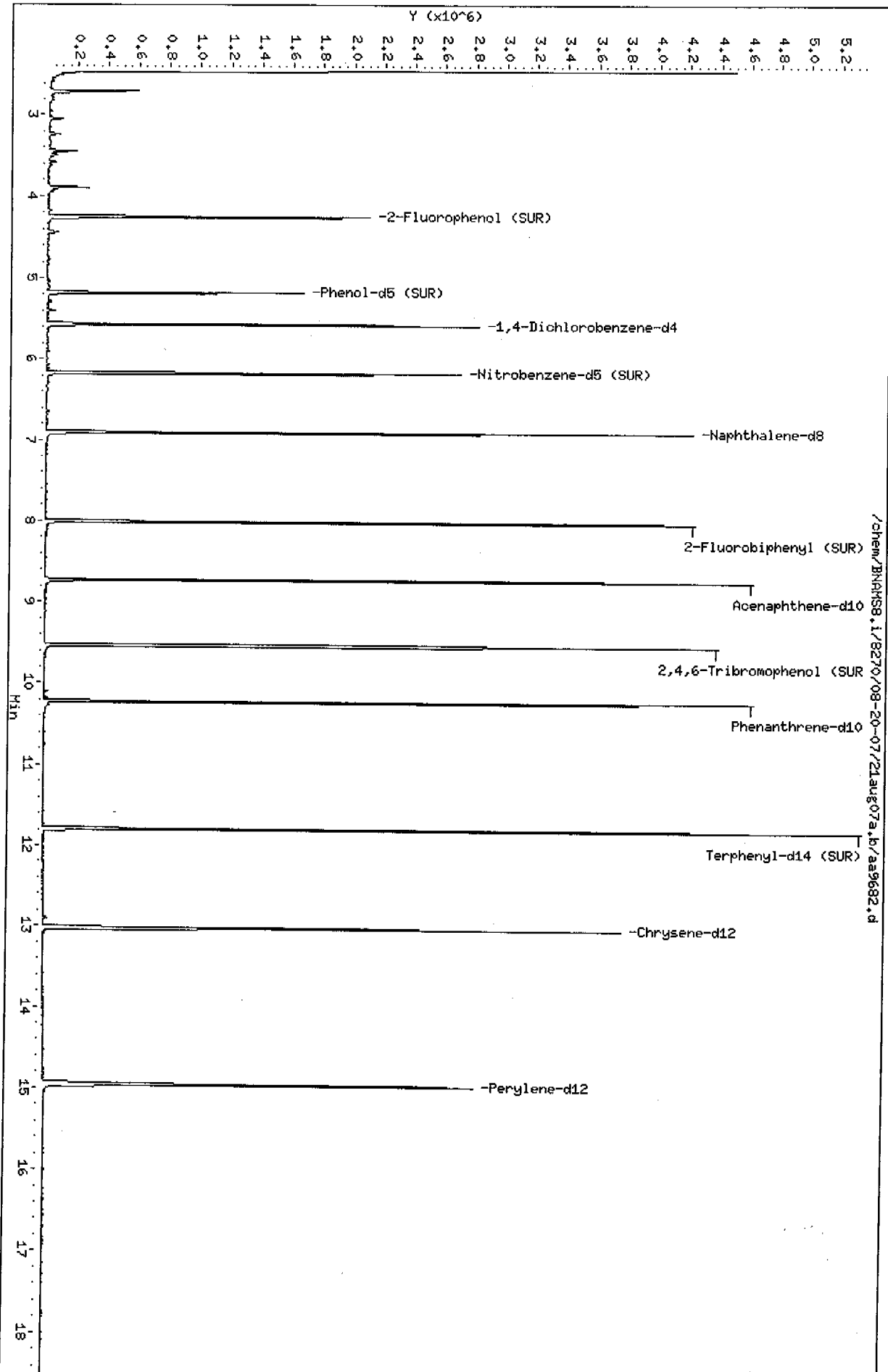
Local Compound Variable

Compounds	QUANT SIG			RESPONSE	CONCENTRATIONS	
	MASS	RT	EXP RT REL RT		ON-COLUMN (ug/ml)	FINAL ( ug/L)
\$ 16 2-Fluorophenol (SUR)	112	4.252	4.255 (0.764)	710651	47.6087	380
\$ 17 Phenol-d5 (SUR)	99	5.182	5.192 (0.931)	656122	30.7068	240
* 79 1,4-Dichlorobenzene-d4	152	5.567	5.571 (1.000)	414480	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	6.172	6.182 (0.893)	836911	45.5189	360
* 80 Naphthalene-d8	136	6.910	6.913 (1.000)	1847495	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	8.013	8.016 (0.918)	1201279	41.3668	330
* 82 Acenaphthene-d10	164	8.730	8.734 (1.000)	1007606	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	9.541	9.545 (1.093)	404425	84.8022	680
* 83 Phenanthrene-d10	188	10.225	10.229 (1.000)	1449671	40.0000	
\$ 78 Terphenyl-d14 (SUR)	244	11.800	11.804 (0.906)	1357786	49.8711	400
* 81 Chrysene-d12	240	13.030	13.040 (1.000)	1459124	40.0000	
* 84 Perylene-d12	264	14.963	14.974 (1.000)	1280957	40.0000	

Data File: /chem/BNHHS8.i/8270/08-20-07/21aug07a,b/aa9682.d  
Date: 21-AUG-2007 23:39

Client ID: WP-6  
Sample Info: 853865;3846064  
Volume Injected (uL): 1.0  
Column phase: DB-5

Instrument: BNHHS.i  
Operator: BNHHS 4  
Column diameter: 0.25



Data File: /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9683.d  
 Report Date: 26-Aug-2007 16:22

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9683.d  
 Lab Smp Id: 853865MS Client Smp ID: WP-6MS  
 Inj Date : 22-AUG-2007 00:06  
 Operator : BNAMS 4 Inst ID: BNAMS8.i  
 Smp Info : 853865ms;3846065  
 Misc Info : J983;EB233R;QA5191  
 Comment :  
 Method : /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/8270C\_06.m  
 Meth Date : 23-Aug-2007 13:33 croccom Quant Type: ISTD  
 Cal Date : 20-AUG-2007 22:03 Cal File: aa9639.d  
 Als bottle: 10 QC Sample: MS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: jTCLP.sub  
 Target Version: 3.50  
 Processing Host: hpd1

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	250.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/L)
71 Pyridine	79		3.017	3.006	(0.542)	459404	24.5148	200	
\$ 16 2-Fluorophenol (SUR)	112		4.253	4.255	(0.764)	717866	46.8122	370	
\$ 17 Phenol-d5 (SUR)	99		5.177	5.192	(0.930)	655347	29.8543	240	
* 79 1,4-Dichlorobenzene-d4	152		5.569	5.571	(1.000)	425812	40.0000		
22 1,4-Dichlorobenzene	146		5.582	5.591	(1.002)	619293	35.6310	280	
3 2-Methylphenol	108		5.821	5.830	(1.045)	1205927	75.4436	600	
4 4-Methylphenol	108		5.981	5.983	(1.074)	2149831	124.971	1000 (A)	
26 Hexachloroethane	117		6.107	6.109	(1.097)	223464	27.7167	220	
\$ 76 Nitrobenzene-d5 (SUR)	82		6.180	6.182	(0.894)	851755	45.1680	360	
27 Nitrobenzene	77		6.200	6.202	(0.897)	814984	36.7031	290	
* 80 Naphthalene-d8	136		6.911	6.913	(1.000)	1894869	40.0000		
33 Hexachlorobutadiene	225		7.091	7.093	(1.026)	136442	19.6876	160	
9 2,4,6-Trichlorophenol	196		7.941	7.950	(0.909)	788798	89.8069	720	
10 2,4,5-Trichlorophenol	196		7.988	7.996	(0.915)	809485	88.3850	710	
\$ 77 2-Fluorobiphenyl (SUR)	172		8.014	8.016	(0.918)	1177394	40.8603	330	



Data File: /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9683.d  
 Report Date: 26-Aug-2007 16:22

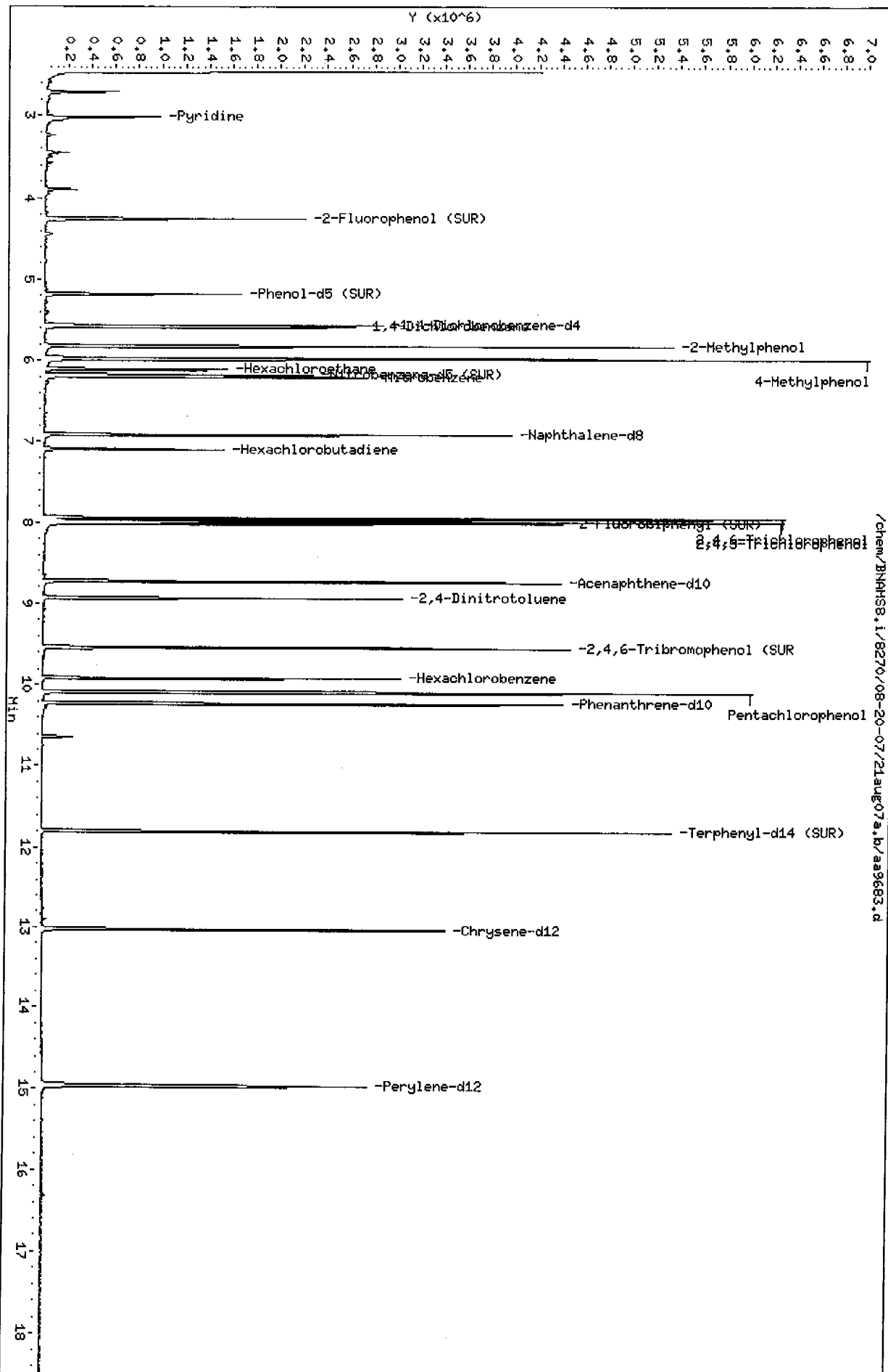
Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
* 82 Acenaphthene-d10	164	8.732	8.734	(1.000)	999814	40.0000	
44 2,4-Dinitrotoluene	165	8.931	8.940	(1.023)	553833	48.1575	380
\$ 18 2,4,6-Tribromophenol (SUR)	330	9.543	9.545	(1.093)	395650	83.6088	670
51 Hexachlorobenzene	284	9.915	9.917	(0.969)	323578	37.8798	300
14 Pentachlorophenol	266	10.088	10.090	(0.986)	534600	93.7944	750
* 83 Phenanthrene-d10	188	10.227	10.229	(1.000)	1419027	40.0000	
\$ 78 Terphenyl-d14 (SUR)	244	11.802	11.804	(0.906)	1370846	50.4213	400
* 81 Chrysene-d12	240	13.031	13.040	(1.000)	1457083	40.0000	
* 84 Perylene-d12	264	14.965	14.974	(1.000)	1278846	40.0000	

QC Flag Legend

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

Data File: /chem/BNHMSB.1/8270/08-20-07/21aug07a,b/aa9683.d  
 Date : 22-AUG-2007 00:06  
 Client ID: JP-6HS  
 Sample Info: 863865msf3846065  
 Volume Injected (uL): 1.0  
 Column phase: DB-5

Instrument: BNHMSB.1  
 Operator: BNHMS 4  
 Column diameter: 0.25



Data File: /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9684.d  
 Report Date: 26-Aug-2007 16:22

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9684.d  
 Lab Smp Id: 853865MSD Client Smp ID: WP-6MSD  
 Inj Date : 22-AUG-2007 00:34  
 Operator : BNAMS 4 Inst ID: BNAMS8.i  
 Smp Info : 853865sd;3846066  
 Misc Info : J983;EB233R;QA5191  
 Comment :  
 Method : /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/8270C\_06.m  
 Meth Date : 23-Aug-2007 13:33 croccom Quant Type: ISTD  
 Cal Date : 20-AUG-2007 22:03 Cal File: aa9639.d  
 Als bottle: 11 QC Sample: MSD  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: jTCLP.sub  
 Target Version: 3.50  
 Processing Host: hpd1

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	250.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/L)
71 Pyridine	---	79	3.012	3.006	(0.541)	406322	22.0407	180
\$ 16 2-Fluorophenol (SUR)	---	112	4.255	4.255	(0.764)	677805	44.9306	360
\$ 17 Phenol-d5 (SUR)	---	99	5.179	5.192	(0.930)	637832	29.5368	240
* 79 1,4-Dichlorobenzene-d4	---	152	5.571	5.571	(1.000)	418886	40.0000	
22 1,4-Dichlorobenzene	---	146	5.584	5.591	(1.002)	617474	36.1137	290
3 2-Methylphenol	---	108	5.823	5.830	(1.045)	1158213	73.6566	590
4 4-Methylphenol	---	108	5.983	5.983	(1.074)	2111557	124.775	1000 (A)
26 Hexachloroethane	---	117	6.109	6.109	(1.097)	242498	30.5749	240
\$ 76 Nitrobenzene-d5 (SUR)	---	82	6.175	6.182	(0.894)	837488	44.9539	360
27 Nitrobenzene	---	77	6.195	6.202	(0.897)	802826	36.5972	290
* 80 Naphthalene-d8	---	136	6.906	6.913	(1.000)	1872003	40.0000	
33 Hexachlorobutadiene	---	225	7.092	7.093	(1.027)	157980	23.0738	180
9 2,4,6-Trichlorophenol	---	196	7.943	7.950	(0.909)	768586	88.4748	710
10 2,4,5-Trichlorophenol	---	196	7.983	7.996	(0.914)	790175	87.2321	700
\$ 77 2-Fluorobiphenyl (SUR)	---	172	8.009	8.016	(0.917)	1184602	41.5657	330

Data File: /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9684.d  
 Report Date: 26-Aug-2007 16:22

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL ( ug/L)
* 82 Acenaphthene-d10	164	8.734	8.734	(1.000)	988863	40.0000	
44 2,4-Dinitrotoluene	165	8.933	8.940	(1.023)	549499	48.3098	390
\$ 18 2,4,6-Tribromophenol (SUR)	330	9.538	9.545	(1.092)	387779	82.8530	660
51 Hexachlorobenzene	284	9.916	9.917	(0.969)	323552	38.3278	310
14 Pentachlorophenol	266	10.089	10.090	(0.986)	510506	90.6336	720
* 83 Phenanthrene-d10	188	10.229	10.229	(1.000)	1402331	40.0000	
\$ 78 Terphenyl-d14 (SUR)	244	11.804	11.804	(0.906)	1363994	50.4647	400
* 81 Chrysene-d12	240	13.026	13.040	(1.000)	1448553	40.0000	
* 84 Perylene-d12	264	14.967	14.974	(1.000)	1276049	40.0000	

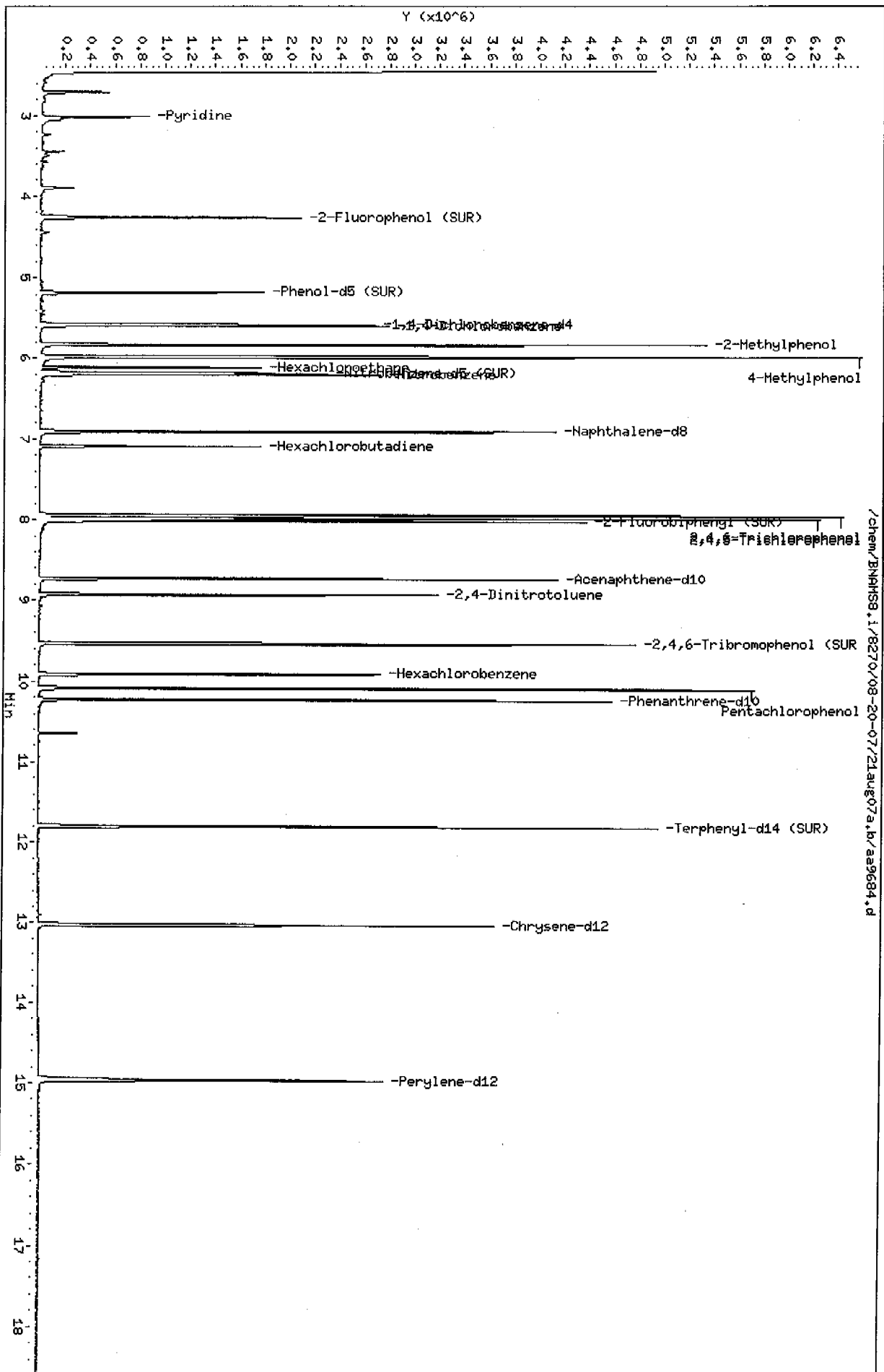
QC Flag Legend

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

Data File: /chem/BNHNS8.1/8270/08-20-07/21aug07a.b/a99684.d  
 Date : 22-AUG-2007 00:34  
 Client ID: WP-6HSD  
 Sample Info: 8538655d13846066  
 Volume Injected (uL): 1.0  
 Column phase: DB-5

Instrument: BNHNS8.1  
 Operator: BNHNS 4  
 Column diameter: 0.25

/chem/BNHNS8.1/8270/08-20-07/21aug07a.b/a99684.d



SEMI-VOLATILE BLANK SPIKE RECOVERY  
METHOD 8270C

QA Batch: 5191bs

Compound	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC.	QC. LIMITS REC.
=====	=====	=====	=====	=====
2-Methylphenol	800	580	72	53-80
4-Methylphenol	1600	1000	62	41-72
2,4,6-Trichlorophenol	800	710	89	57-116
2,4,5-Trichlorophenol	800	710	89	46-117
Pentachlorophenol	800	680	85	63-126
1,4-Dichlorobenzene	400	310	78	43-107
Hexachloroethane	400	280	70	29-114
Nitrobenzene	400	290	72	29-101
Hexachlorobutadiene	400	230	57	26-124
2,4-Dinitrotoluene	400	390	98	64-119
Hexachlorobenzene	400	310	78	33-122
Pyridine	400	180	45	18-72

# Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 12 outside limits

Data File: /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9675.d  
 Report Date: 26-Aug-2007 16:02

STL Edison

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9675.d  
 Lab Smp Id: 5191BS Client Smp ID: 5191BS  
 Inj Date : 21-AUG-2007 20:29  
 Operator : BNAMS 4 Inst ID: BNAMS8.i  
 Smp Info : 5191bs;bs58999  
 Misc Info : J983;QA5191  
 Comment :  
 Method : /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/8270C\_06.m  
 Meth Date : 23-Aug-2007 13:33 croccom Quant Type: ISTD  
 Cal Date : 20-AUG-2007 22:03 Cal File: aa9639.d  
 Als bottle: 2 QC Sample: BS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: jTCLP.sub  
 Target Version: 3.50  
 Processing Host: hpd1

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	250.00000	Volume of sample extracted (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/ml)	FINAL (ug/L)
71 Pyridine	79	3.010	3.006	(0.540)	400553	21.9366	180	
\$ 16 2-Fluorophenol (SUR)	112	4.259	4.255	(0.764)	730998	48.9223	390	
\$ 17 Phenol-d5 (SUR)	99	5.183	5.192	(0.930)	654643	30.6066	240	
* 79 1,4-Dichlorobenzene-d4	152	5.575	5.571	(1.000)	414899	40.0000		
22 1,4-Dichlorobenzene	146	5.588	5.591	(1.002)	656148	38.7444	310	
3 2-Methylphenol	108	5.828	5.830	(1.045)	1123296	72.1225	580	
4 4-Methylphenol	108	5.987	5.983	(1.074)	2108534	125.794	1000 (A)	
26 Hexachloroethane	117	6.113	6.109	(1.097)	279385	35.5642	280	
\$ 76 Nitrobenzene-d5 (SUR)	82	6.180	6.182	(0.894)	844448	45.7989	370	
27 Nitrobenzene	77	6.200	6.202	(0.897)	787002	36.2489	290	
* 80 Naphthalene-d8	136	6.911	6.913	(1.000)	1852735	40.0000		
33 Hexachlorobutadiene	225	7.097	7.093	(1.027)	195025	28.7806	230	
9 2,4,6-Trichlorophenol	196	7.947	7.950	(0.910)	758738	88.3839	710	
10 2,4,5-Trichlorophenol	196	7.994	7.996	(0.915)	792811	88.5680	710	
\$ 77 2-Fluorobiphenyl (SUR)	172	8.014	8.016	(0.917)	1185193	42.0830	340	

Data File: /chem/BNAMS8.i/8270/08-20-07/21aug07a.b/aa9675.d  
 Report Date: 26-Aug-2007 16:02

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/L)
* 82 Acenaphthene-d10	164	8.738	8.734	(1.000)	977196	40.0000	
44 2,4-Dinitrotoluene	165	8.937	8.940	(1.023)	546512	48.6209	390
\$ 18 2,4,6-Tribromophenol (SUR)	330	9.542	9.545	(1.092)	391671	84.6837	680
51 Hexachlorobenzene	284	9.921	9.917	(0.969)	324705	38.5872	310
14 Pentachlorophenol	266	10.094	10.090	(0.986)	480773	85.6275	680
* 83 Phenanthrene-d10	188	10.233	10.229	(1.000)	1397867	40.0000	
\$ 78 Terphenyl-d14 (SUR)	244	11.808	11.804	(0.906)	1351549	51.1543	410
* 81 Chrysene-d12	240	13.037	13.040	(1.000)	1415988	40.0000	
* 84 Perylene-d12	264	14.971	14.974	(1.000)	1245500	40.0000	

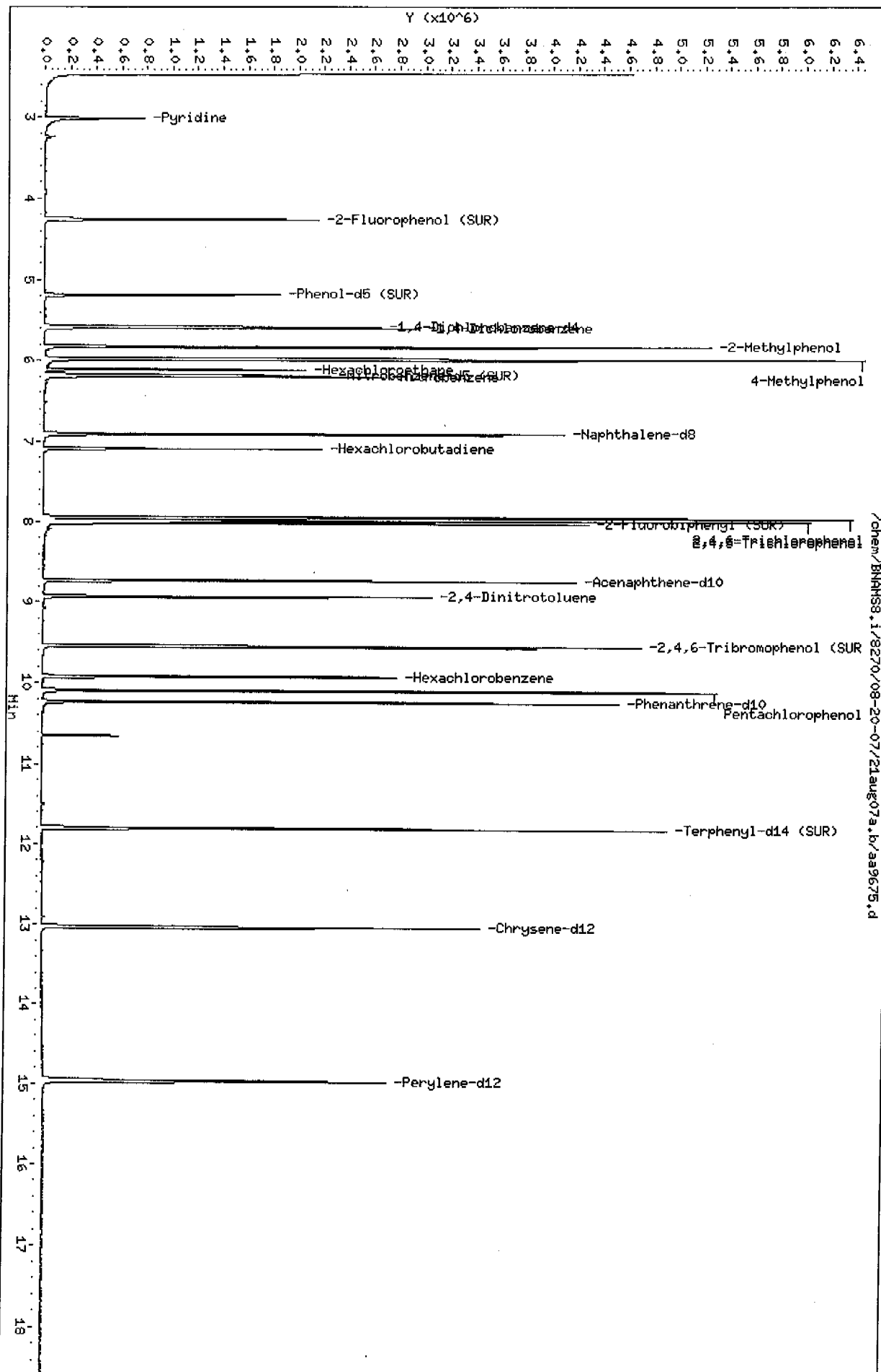
QC Flag Legend

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



Data File: /chem/BNHMS8.i/8270/08-20-07/21aug07a.b/a9675.d  
 Date: 21-AUG-2007 20:29  
 Client ID: 5191BS  
 Sample Info: 5191bs1bs58939  
 Volume Injected (ul): 1.0  
 Column phase: DB-5

Instrument: BNHMS8.1  
 Operator: BNHMS 4  
 Column diameter: 0.25



## Internal Standard Area and RT Summary

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): S29500

Date Analyzed: 08/24/07

Instrument ID: BNAMS2

Time Analyzed: 2103

	IS1 (DCB)		IS2 (NPT)		IS3 (CRY)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	353647	6.72	1434833	8.49	1140931	17.02
UPPER LIMIT	707294	7.22	2869666	8.99	2281862	17.52
LOWER LIMIT	176824	6.22	717416	7.99	570466	16.52
=====	=====	=====	=====	=====	=====	=====
LABORATORY						
SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 EB236	396642	6.71	1654063	8.49	1404573	17.01
02 854473	400569	6.71	1692435	8.49	1411154	17.01
03						
04						
05						
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07						
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11						
12						
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17						
18						
19						
20						
21						
22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (CRY) = Chrysene-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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): S29500

Date Analyzed: 08/24/07

Instrument ID: BNAMS2

Time Analyzed: 2103

	IS4 (ANT) AREA #	RT #	IS5 (PHN) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	775350	11.02	1201272	13.15	1053837	19.97
UPPER LIMIT	1550700	11.52	2402544	13.65	2107674	20.47
LOWER LIMIT	387675	10.52	600636	12.65	526918	19.47
LABORATORY SAMPLE NO.						
01 EB236	948284	11.02	1403079	13.14	1203256	19.95
02 854473	950094	11.02	1380202	13.14	1225386	19.95
03						
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22						

IS4 (ANT) = Acenaphthene-d10  
 IS5 (PHN) = Phenanthrene-d10  
 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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): AA9674

Date Analyzed: 08/21/07

Instrument ID: BNAMS8

Time Analyzed: 1945

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (CRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	442049	5.57	1886760	6.91	1509422	13.04
UPPER LIMIT	884098	6.07	3773520	7.41	3018844	13.54
LOWER LIMIT	221024	5.07	943380	6.41	754711	12.54
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 5191BS	414899	5.58	1852735	6.91	1415988	13.04
02 853865	414480	5.57	1847495	6.91	1459124	13.03
03 853865MS	425812	5.57	1894869	6.91	1457083	13.03
04 853865MSD	418886	5.57	1872003	6.91	1448553	13.03
05						
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22						

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (CRY) = Chrysene-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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): AA9674

Date Analyzed: 08/21/07

Instrument ID: BNAMS8

Time Analyzed: 1945

	IS4 (ANT) AREA #	RT #	IS5 (PHN) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	979335	8.73	1405373	10.23	1352627	14.97
UPPER LIMIT	1958670	9.23	2810746	10.73	2705254	15.47
LOWER LIMIT	489668	8.23	702686	9.73	676314	14.47
=====	=====	=====	=====	=====	=====	=====
LABORATORY SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 5191BS	977196	8.74	1397867	10.23	1245500	14.97
02 853865	1007606	8.73	1449671	10.23	1280957	14.96
03 853865MS	999814	8.73	1419027	10.23	1278846	14.96
04 853865MSD	988863	8.73	1402331	10.23	1276049	14.97
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20						
21						
22						

IS4 (ANT) = Acenaphthene-d10  
 IS5 (PHN) = Phenanthrene-d10  
 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.

## Injection Log Book

EB236

**BNA Extractions**

STL Edison

Matrix: LEACHATE  
Job #: K084  
Client: ARCADIS U.S., Inc.  
Refrigerator: \_\_\_\_\_  
Log Book: \_\_\_\_\_

Analytical Method: 8270C  
Prep Method: 3510C  
QA Batch: 5191  
F/B Date: 8/24/17  
F/B Initials: KH  
Analyst Initials: \_\_\_\_\_

Acid Surr Lot #/Amt: SB1100/1ml  
BN Surr Lot#/Amt: \_\_\_\_\_  
DRO Surr Lot#/Amt: \_\_\_\_\_  
CLP Surr Lot#/Amt: \_\_\_\_\_  
MS/MSD/BS Soln Lot#/Amt: \_\_\_\_\_

Sample ID	Extract Date	Extract Solvent	Extract Volume	Sample Vol/Wt	Final Volume	Spike		Comments	Sox. Pos.	pH	
						Initial	Witness			AE	BN
854473RE	8/24/17	MeCN	3x100	250/1000	2ml		JCR	TCLP BNA		5.2	7.2


Extracted By: KHERWANDEZ Relinquished By/Date: KH 8/24/17



EB232A

**BNA Extractions**

STL Edison

Matrix: LEACHATE

Job #: J983

Client: ARCADIS U.S., Inc.

Refrigerator:

Log Book:

Analytical Method: 8270C

Prep Method: 3510C

QA Batch: 5191

F/B Date:

F/B Initials:

Analyst Initials:

Acid Surr Lot #/Amt:

BN Surr Lot #/Amt: SB/100/1.0

DRO Surr Lot #/Amt:

CLP Surr Lot #/Amt:

MS/MSD/BS Soln Lot #/Amt: SB-1101/100

Sample ID	Extract Date	Extract Solvent	Extract Volume	Sample Vol/Wt	Final Volume	Spike		Comments	Sox. Pos.	pH	
						Initial	Witness			AE	BN
853859	8/20/07	MeCl <sub>2</sub>	3x60	250/1000	2ml		pe	TCLP BNA		<2	>12
853861				250/1000	2ml			TCLP BNA		<2	>12
853863				250/1000	2ml			TCLP BNA		<2	>12
853865				250/1000	2ml			TCLP BNA		<2	>12

8/20/07

753965 AS								TCLP BNA			
✓ NSM											
BS 5191											
EB232A											

Extracted By: Blax  
 KAH 8/20/07

Relinquished By/Date: pe - 8.20.07

Received By/Date: pe - 8.20.07

STI EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS2.1

Analytical Batch: /chem/BNAMS2.i/8270/08-20-07/20aug07a.b

Date Generated: 08/21/2007

Page 1

Date	Data File	AUS	Sample ID	Job #	QA	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/20/07 1632	S29401.d	96	SDFTP232	—	—	—	—	0	0	1	2.0	all	4103	C
08/20/07 1656	S29402.d	1	SSTD050	—	—	—	—	1000	2	1	1.0	all	4104	1/4 Dose curve cutoff
08/20/07 1734	S29403.d	1	SSTD050	—	—	—	—	1000	2	1	1.0	all	4104	BZ
08/20/07 1812	S29404.d	2	SSTD120	—	—	—	—	1000	2	1	1.0	all	4104	E
08/20/07 1849	S29405.d	3	SSTD005	—	—	—	—	1000	2	1	1.0	all	4104	E
08/20/07 1930	S29406.d	4	SSTD080	—	—	—	—	1000	2	1	1.0	all	4104	C
08/20/07 2008	S29407.d	5	SSTD020	—	—	—	—	1000	2	1	1.0	all	4104	E
08/20/07 2046	S29408.d	6	SSTD010	—	—	—	—	1000	2	1	1.0	all	4104	E
08/20/07 2124	S29409.d	7	SSTDICV	—	—	20aug07a	—	1000	2	1	1.0	all	4098	E
08/20/07 2201	S29410.d	8	EB232	—	—	EB232	08/20/07	250	2	1	1.0	JTCLP	—	E
08/20/07 2239	S29411.d	9	EB232BS	—	—	20aug07a	—	250	2	1	1.0	JTCLP	—	E
08/20/07 2317	S29412.d	10	853064	—	—	EB232	08/20/07	250	2	2	1.0	JTCLP	—	E
08/20/07 2355	S29413.d	11	853065	—	—	EB232	08/20/07	250	10	5	1.0	JTCLP	—	E
08/21/07 0033	S29414.d	12	DLK	—	—	20aug07a	—	1000	2	1	1.0	all	—	E

Signed: Mubereh Kuzel

Read and Understood by: \_\_\_\_\_

Date: 8/21/07

Date: 8/21/07

range 5000 count  
for benzidine &  
benzothiazide

max  
PE 1/4 low / 1 sec high  
max  
5 - integrator disabled and

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS2.i  
Analytical Batch: /chem/BNAMS2.i/8270/08-20-07/24aug07a.b

Report Generated: 08/25/2007  
Page 1

Date	Data File	AUS	Sample ID	Job #	QA	IPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
8/24/07	2039   s29499.d	96	SDPTP236a					0	0	1	2.0	all		
3/24/07	2103   s29500.d	1	SSTD236a					1000	2	1	1.0	all		Polz S
3/24/07	2203   s29501.d	2	EB236			EB236		2500	2	1	1.0	TCCLP		S
3/24/07	2241   s29502.d	3	5191BS		5191	24aug07a	08/20/07	250	2	1	1.0	TCCLP		S
3/24/07	2319   s29503.d	4	854043	K018	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/24/07	2356   s29504.d	5	854044	K018	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/25/07	0034   s29505.d	6	854045	K018	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/25/07	0112   s29506.d	7	854046	K018	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/25/07	0150   s29507.d	8	854047	K018	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/25/07	0228   s29508.d	9	854470	K083	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/25/07	0305   s29509.d	10	854471	K083	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/25/07	0342   s29510.d	11	854473	K084	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/25/07	0420   s29511.d	12	853924	K004	5191	EB236	08/24/07	250	2	1	1.0	TCCLP		S
3/25/07	0458   s29512.d	13	853781	J965	5189	WB232C	08/20/07	1000	2	1	1.0	PPBNAb		part of 52965

Instrument ID: BNAMS2.i

Analytical Batch: /chem/BNAMS2.i/8270/08-20-07/24aug07a.b

Report Generated: 08/25/2007

Page 2

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Date	Data File	ALS	Sample ID	Job #	QA	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	IOT	COMMENTS
8/25/07	0536   S29513.d	14	854196r1	K034	5189	WB232C	08/20/07	970	2	1	1.0	PPPAhb		Small of 329446
8/25/07	0613   S29514.d	15	855435	K215	5199	WB235	08/23/07	1000	2	1	1.0	HSLBVA		S
8/25/07	0651   S29515.d	16	855447	K215	5199	WB235	08/23/07	1000	2	1	1.0	HSLBVA		Small. R2 1x
8/25/07	0729   S29516.d	17	855449	K215	5199	WB235	08/23/07	960	2	1	1.0	HSLBVA		S
8/25/07	0807   S29517.d	18	854467	K081	5191	EB234	08/22/07	50	1	5	1.0	JTCIP		Small of 329488

*C. J.*

Read and Understood by:

*[Signature]*

*8/25/07*

Date:

*8-25-07*

Date	Data File	ALS	Sample ID	Job #	QA	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/21/07	1927 aa9673.d	96	AAADFTPE233A	-	-	-	-	0	0	1	2.0	all	4103	C
08/21/07	1945 aa9674.d	1	AASTD233A	-	-	-	-	1000	2	1	1.0	all	4104	C
08/21/07	2029 aa9675.d	2	5173BS 5171BS	-	5173	21aug07a	08/14/07	250	2	1	1.0	JTCCLP	-	C
08/21/07	2056 aa9676.d	3	EB233R 5171BS	-	-	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/21/07	2123 aa9677.d	4	853587	J955	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/21/07	2150 aa9678.d	5	853719	J962	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/21/07	2218 aa9679.d	6	853859	J983	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/21/07	2245 aa9680.d	7	853861	J983	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/21/07	2312 aa9681.d	8	853863	J983	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/21/07	2339 aa9682.d	9	853865	J983	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/22/07	0006 aa9683.d	10	853865MS	J983	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/22/07	0034 aa9684.d	11	853865MSD	J983	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/22/07	0101 aa9685.d	12	592285	J983	5173	EB233R	08/21/07	250	2	1	1.0	JTCCLP	-	C
08/22/07	0128 aa9686.d	13	SB233C	-	-	SB233C	08/21/07	15	1	1	1.0	all	-	C

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS8.1

Analytical Batch: /chem/BNAMS8.1/8270/08-20-07/21aug07a.b

Date Generated: 08/22/2007

Page 2

Date	Data File	ALS	Sample ID	Job #	QA	LPB	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Subst	Lot	COMMENTS
08/22/07 0155	aa9687.d	14	1852869	J809	5922	SB233C	08/21/07 15	1		1	1.0	PPBND+	-	G
08/22/07 0222	aa9688.d	15	854500	K088	5922	SB233C	08/21/07 15	1		1	1.0	HSLBNA	-	G
08/22/07 0250	aa9689.d	16	854504	K088	5922	SB233C	08/21/07 15	1		1	1.0	HSLBNA	-	G
08/22/07 0317	aa9690.d	17	1852152	J723	5910	SB232	08/20/07 15	1		1	1.0	PPBND	-	G
08/22/07 0343	aa9691.d	18	852153	J723	5910	SB232	08/20/07 15	1		1	1.0	PPBND	-	G
08/22/07 0410	aa9692.d	19	854503	K088	5922	SB233C	08/21/07 15	1		1	1.0	HSLBNA	-	G
08/22/07 0437	aa9693.d	20	854599	K088	5922	SB233C	08/21/07 15	1		1	1.0	HSLBNA	-	RK 50 low Tm
08/22/07 0504	aa9694.d	21	854449	K075	5922	SB233C	08/21/07 15	1		1	1.0	PPBND+	-	RK 20 low Tm
08/22/07 0531	aa9695.d	22	1854448	K075	5922	SB233C	08/21/07 15	1		1	1.0	PPBND+	-	RK 50 low Tm

Signed: Mukul Avtne

Read and Understood by: [Signature]

Date: 8/22/07

Date: 8/22/07

LOG	SAMPLE	#	AMOUNT	Fund AMT	MATRY	START Date/Time	END Date/Time	COMMENTS
J955	853586	# 1	25g	soam	SOLID	8-16-07 6:00M	8-17-07 10:00M	2F 08/13/07
J955	853587	# 4	25g	soam	↓			
J962	853719	# 5	25g	soam	↓			
	Blank	# 17		soam				

**TCLP / ZHE PREP**

Relinquished Date  
By: MM 8-17-07  
To: CP 8/17/07

TEMP 23 22RLM

J983	853859	# 4	25g	soam	SOLID	8-17-07 6:00M	8-18-07 10:00M	2F 08/13/07
J983	853860	# 7	25g	soam				
J983	853861	# 8	25g	soam				
J983	853862	# 9	25g	soam				
J983	853863	# 11	25g	soam				
J983	853864	# 12	25g	soam				
J983	853865	# 13	25g	soam				
J983	853866	# 18	25g	soam				
	Blank	# 17		soam				

**TCLP / ZHE PREP**

Relinquished Date  
By: MM 8-18-07  
To: Storage

TEMP 2 22RLM

J903	853332	10	25g	SOCL	Solid	8-20-07 6pm	8-21-07 10am	2F 08/13/07
K084	854473	19	25g	SOCL	↓			
	Blank	17		SOCL				

**TCLP / ZHE PREP**

Relinquished Date  
By: KLB 8-20-07  
To: [Signature]

Temp 21°

Continued on Page \_\_\_\_\_

Read and Understood By \_\_\_\_\_

[Signature]

8-16-07

Date

## **GC Forms and Data**

Method 8082 (PCBs) Results Summary



Client ID: SED-WC-1  
Site: National Grid

Lab Sample ID: 854473  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423272.d  
Rear File ID: vr423272.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 31

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	Analytical Results	Quantitation	
	Units: ug/kg (Dry Weight)	Limit	Column
Aroclor-1016	ND	97	R
Aroclor-1221	ND	97	R
Aroclor-1232	ND	97	R
Aroclor-1242	ND	97	R
Aroclor-1248	ND	97	R
Aroclor-1254	ND	97	R
Aroclor-1260	260	97	R
Aroclor-1262	ND	97	R
Aroclor-1268	ND	97	R

Client ID: V-US 0-0.5  
Site: National Grid

Lab Sample ID: 854474  
Lab Job No: K084

Date Sampled: 08/15/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423273.d  
Rear File ID: vr423273.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 32

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	Analytical Results	Quantitation	
	Units: ug/kg (Dry Weight)	Limit	Column
Aroclor-1016	ND	98	R
Aroclor-1221	ND	98	R
Aroclor-1232	ND	98	R
Aroclor-1242	ND	98	R
Aroclor-1248	ND	98	R
Aroclor-1254	ND	98	R
Aroclor-1260	150	98	R
Aroclor-1262	ND	98	R
Aroclor-1268	ND	98	R

Client ID: V3-2 0-0.5  
Site: National Grid

Lab Sample ID: 854479  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423278.d  
Rear File ID: vr423278.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 17

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u>	<u>Column</u>
Aroclor-1016		ND	81	R
Aroclor-1221		ND	81	R
Aroclor-1232		ND	81	R
Aroclor-1242		ND	81	R
Aroclor-1248		ND	81	R
Aroclor-1254		ND	81	R
Aroclor-1260	500	ND	81	R
Aroclor-1262		ND	81	R
Aroclor-1268		ND	81	R

Client ID: V4-2 0-0.5  
Site: National Grid

Lab Sample ID: 854480  
Lab Job No: K084

Date Sampled: 08/15/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423279.d  
Rear File ID: vr423279.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 38

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	Analytical Results	Quantitation	
	Units: ug/kg (Dry Weight)	Limit	Column
Aroclor-1016	ND	110	R
Aroclor-1221	ND	110	R
Aroclor-1232	ND	110	R
Aroclor-1242	ND	110	R
Aroclor-1248	ND	110	R
Aroclor-1254	ND	110	R
Aroclor-1260	ND	110	R
Aroclor-1262	ND	110	R
Aroclor-1268	ND	110	R

Client ID: DUP-1  
Site: National Grid

Lab Sample ID: 854482  
Lab Job No: K084

Date Sampled: 08/15/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423281.d  
Rear File ID: vr423281.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 36

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u>	
		Limit Units: ug/kg	Column
Aroclor-1016	ND	100	R
Aroclor-1221	ND	100	R
Aroclor-1232	ND	100	R
Aroclor-1242	ND	100	R
Aroclor-1248	ND	100	R
Aroclor-1254	ND	100	R
Aroclor-1260	ND	100	R
Aroclor-1262	ND	100	R
Aroclor-1268	ND	100	R

Client ID: V4-1 1-1.5  
Site: National Grid

Lab Sample ID: 854485  
Lab Job No: K084

Date Sampled: 08/15/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423269.d  
Rear File ID: vr423269.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 28

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	Analytical Results	Quantitation	
	Units: ug/kg (Dry Weight)	Limit	Column
	Units: ug/kg	Units: ug/kg	Column
Aroclor-1016	ND	93	R
Aroclor-1221	ND	93	R
Aroclor-1232	ND	93	R
Aroclor-1242	ND	93	R
Aroclor-1248	ND	93	R
Aroclor-1254	ND	93	R
Aroclor-1260	ND	93	R
Aroclor-1262	ND	93	R
Aroclor-1268	ND	93	R

Client ID: V2-2 0-0.5  
Site: National Grid

Lab Sample ID: 854486  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423284.d  
Rear File ID: vr423284.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 30

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	<u>Units: ug/kg</u> <u>(Dry Weight)</u>		<u>Limit</u>	<u>Column</u>
Aroclor-1016		ND	95	R
Aroclor-1221		ND	95	R
Aroclor-1232		ND	95	R
Aroclor-1242		ND	95	R
Aroclor-1248		ND	95	R
Aroclor-1254		ND	95	R
Aroclor-1260		ND	95	R
Aroclor-1262	140	ND	95	R
Aroclor-1268		ND	95	R

Client ID: V1-2 0-0.5  
Site: National Grid

Lab Sample ID: 854488  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423286.d  
Rear File ID: vr423286.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 68

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	Analytical Results	Quantitation	
	Units: ug/kg (Dry Weight)	Limit	Column
Aroclor-1016	ND	210	R
Aroclor-1221	ND	210	R
Aroclor-1232	ND	210	R
Aroclor-1242	ND	210	R
Aroclor-1248	ND	210	R
Aroclor-1254	ND	210	R
Aroclor-1260	ND	210	R
Aroclor-1262	ND	210	R
Aroclor-1268	ND	210	R



## QA Summary

GC ORGANICS SURROGATE RECOVERY

Matrix: SOIL

Level: LOW

Lab Job No: K084

	LABORATORY SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	TOT OUT
	=====	=====	=====	=====
01	SP230X	100	91	0
02	854485	102		0
03	854485MS	106		0
04	854485MSD	111		0
05	854473	116	106	0
06	854474	109	98	0
07	854479	107	100	0
08	854480	113		0
09	854482	110		0
10	854486	117	98	0
11	854488	113		0
12	5815BS	114		0
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

ADVISORY  
QC LIMITS

S1 = Decachlorobiphenyl (sur (60-151))

- # Column to be used to flag recovery values
- \* Values outside of advisory QC limits
- D Surrogate diluted out
- R Surrogate removed during H2SO4 cleanup procedure
- \*\* Not detected due to coeluting interference

GC BLANK SPIKE RECOVERY  
METHOD 8082

QA Batch: 5815

Compound	SPIKE ADDED (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC.	QC. LIMITS REC.
=====				
Aroclor-1016	330	320	97	70-160
Aroclor-1260	330	340	103	42-186

# Column to be used to flag recovery values with an asterik

Spike Recovery: 0 out of 2 outside limits

GC 8-  
12-  
1-  
1-  
Aroclor  
Aroclor  
1-  
# GC  
spike

1-  
REC.  
70-160  
42-186  
1-

GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY  
METHOD 8082

Matrix: SOIL

Matrix Spike - Lab Sample No.: 854485

Level: LOW

MS Sample from Lab Job No: K084

QA Batch: 5815

Compound	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	460	0.00	450	98	70-160
Aroclor-1260	460	0.00	490	107	42-186

Compound	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD REC.
Aroclor-1016	460	520	113	14	29 70-160
Aroclor-1260	460	490	107	0	0 42-186

# Column to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

Compound	REC #
Aroclor-1016	98
Aroclor-1260	107

COMMENTS:

Compound	REC #
Aroclor-1016	98
Aroclor-1260	107

Compound	REC #
Aroclor-1016	98
Aroclor-1260	107

REMARKS:

GC ORGANICS METHOD BLANK SUMMARY

LAB SAMPLE NO.

SP230X

Matrix: SOIL

Date Analyzed: 08/20/07

Level: LOW

Time Analyzed: 1231

Instrument ID: PESTGC9

Lab File ID: VR423268

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

	CLIENT ID.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	V4-1_1-1.5	854485	vr423269.d	08/20/07
02	V4-1_1-1.5MS	854485MS	vr423270.d	08/20/07
03	V4-1_1-1.5MS	854485MSD	vr423271.d	08/20/07
04	SED-WC-1	854473	vr423272.d	08/20/07
05	V-US_0-0.5	854474	vr423273.d	08/20/07
06	V3-2_0-0.5	854479	vr423278.d	08/20/07
07	V4-2_0-0.5	854480	vr423279.d	08/20/07
08	DUP-1	854482	vr423281.d	08/20/07
09	V2-2_0-0.5	854486	vr423284.d	08/20/07
10	V1-2_0-0.5	854488	vr423286.d	08/20/07
11	5815BS	5815BS	vr423292.d	08/20/07
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

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Client ID: SP230X  
Site:

Lab Sample ID: SP230X  
Lab Job No: K084

Date Sampled: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Date Extracted: 08/18/07  
Date Analyzed: 08/20/07  
GC Front Column: StxCLP2  
GC Rear Column: StxCLP1  
Instrument ID: PESTGC9.i  
Front File ID: vf423268.d  
Rear File ID: vr423268.d

Matrix: SOIL  
Level: LOW  
Sample Weight: 15 g  
Extract Final Volume: 10.0 ml  
Dilution Factor: 1.0  
% Moisture: 0

ORGANOCHLORINE PCBs - GC/ECD  
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg	<u>Column</u>
Aroclor-1016	ND	67	R
Aroclor-1221	ND	67	R
Aroclor-1232	ND	67	R
Aroclor-1242	ND	67	R
Aroclor-1248	ND	67	R
Aroclor-1254	ND	67	R
Aroclor-1260	ND	67	R
Aroclor-1262	ND	67	R
Aroclor-1268	ND	67	R

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b,  
as of 09/24/2007 17:04)

Instrument ID: PESTGC9.i    Column ID: StxCLP1    Primary Column

Dates of Analysis: 08/20/07                    to 08/20/07

Retention Time Shift Marker - Decachlorobiphenyl(surr)  
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 10.650

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP230X	vr423268.d	20-AUG-2007 12:31	10.650	0.000
854485	vr423269.d	20-AUG-2007 12:46	10.649	0.001
854485MS	vr423270.d	20-AUG-2007 13:01	10.649	0.001
854485MSD	vr423271.d	20-AUG-2007 13:17	10.649	0.001
854473	vr423272.d	20-AUG-2007 13:32	10.649	0.001
854474	vr423273.d	20-AUG-2007 13:47	10.649	0.001
854479	vr423278.d	20-AUG-2007 15:04	10.648	0.002
854480	vr423279.d	20-AUG-2007 15:19	10.649	0.001
854482	vr423281.d	20-AUG-2007 15:50	10.648	0.002
854486	vr423284.d	20-AUG-2007 16:36	10.649	0.001
854488	vr423286.d	20-AUG-2007 17:07	10.649	0.001
5815BS	vr423292.d	20-AUG-2007 18:39	10.650	0.000

D = Surrogate diluted out.

Pesticide/PCB Retention Time Shift Summary

(for databatch - /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b,  
as of 09/24/2007 17:04)

Instrument ID: PESTGC9.i    Column ID: StxCLP2    Confirmatory Column

Dates of Analysis: 08/20/07                    to 08/20/07

Retention Time Shift Marker - Decachlorobiphenyl (surr)  
QC Limit for RT Shift is 0.10 min

Absolute Surrogate RT From Cal. Standard Level 3: DCB = 11.524

Lab Sample ID	Data File	Injection Time	RT	DLT RT
SP230X	vf423268.d	20-AUG-2007 12:31	11.527	0.003
854485	vf423269.d	20-AUG-2007 12:46	11.527	0.003
854473	vf423272.d	20-AUG-2007 13:32	11.523	0.001
854474	vf423273.d	20-AUG-2007 13:47	11.521	0.003
854479	vf423278.d	20-AUG-2007 15:04	11.520	0.004
854480	vf423279.d	20-AUG-2007 15:19	11.517	0.007
854482	vf423281.d	20-AUG-2007 15:50	11.520	0.004
854486	vf423284.d	20-AUG-2007 16:36	11.518	0.006
854488	vf423286.d	20-AUG-2007 17:07	11.516	0.008

D = Surrogate diluted out.



## Analytical Sequence

## GC ORGANICS ANALYTICAL SEQUENCE SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

	Lab Sample ID	Client Sample ID	Lab File ID	Sample Type	Inj. Date	Inj. Time
	=====	=====	=====	=====	=====	=====
1	SG1660L1_00002A		vr423097.d	CALIB_1	08/15/07	1231
2	SG1660L2_00002A		vr423098.d	CALIB_2	08/15/07	1247
3	SG1660L3_00002A		vr423099.d	CALIB_3	08/15/07	1302
4	SG1660L4_00002A		vr423100.d	CALIB_4	08/15/07	1317
5	SG1660L5_00002A		vr423101.d	CALIB_5	08/15/07	1333
6	SG122L3_00004A		vr423102.d	CALIB_3	08/15/07	1348
7	SG1232L3_00002A		vr423103.d	CALIB_3	08/15/07	1403
8	SG1242L3_00001A		vr423104.d	CALIB_3	08/15/07	1419
9	SG1248L3_00001A		vr423105.d	CALIB_3	08/15/07	1434
10	SG1254L3_00001A		vr423106.d	CALIB_3	08/15/07	1449
11	SG1262L3_00002A		vr423107.d	CALIB_3	08/15/07	1505
12	SG1268L3_00002A		vr423108.d	CALIB_3	08/15/07	1520
13	SG1660L3_00002B		vr423266.d	CCALIB_3	08/20/07	1142
14	SP230X		vr423268.d	BLANK	08/20/07	1231
15	854485	V4-1_1-1.5	vr423269.d	SAMPLE	08/20/07	1246
16	854473	SED-WC-1	vr423272.d	SAMPLE	08/20/07	1332
17	854474	V-US_0-0.5	vr423273.d	SAMPLE	08/20/07	1347
18	854479	V3-2_0-0.5	vr423278.d	SAMPLE	08/20/07	1504
19	854480	V4-2_0-0.5	vr423279.d	SAMPLE	08/20/07	1519
20	854482	DUP-1	vr423281.d	SAMPLE	08/20/07	1550
21	854486	V2-2_0-0.5	vr423284.d	SAMPLE	08/20/07	1636
22	854488	V1-2_0-0.5	vr423286.d	SAMPLE	08/20/07	1707
23	5815BS		vr423292.d	BS	08/20/07	1839
24	SG1660L3_00002C		vr423294.d	CCALIB_3	08/20/07	1910

Raw Data

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Calibration Files:

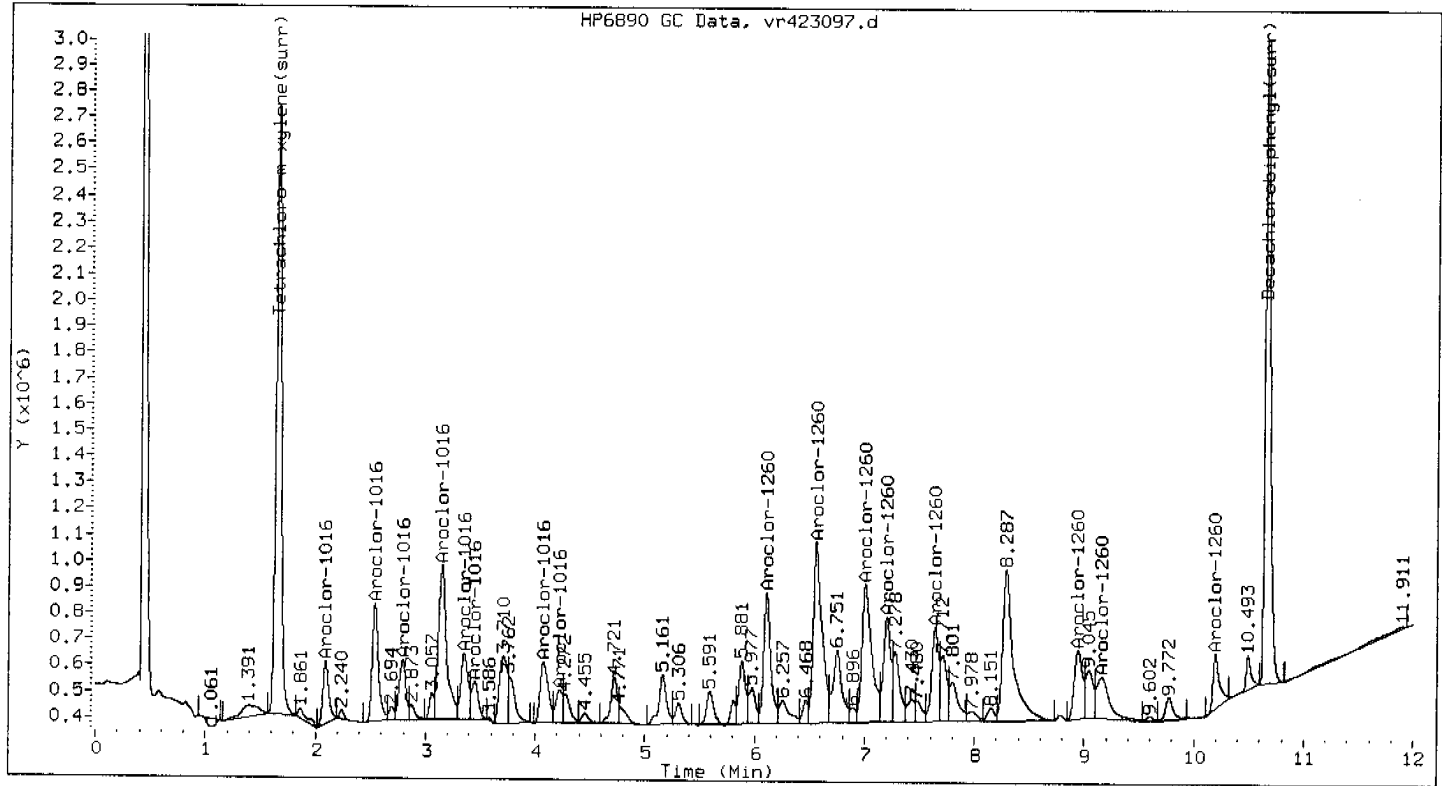
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 /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423099.d  
 /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423100.d  
 /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423101.d

Compound	Level	Level	Level	Level	Level	Coefficients			%RSD	
		1	2	3	4	5	a0	a1	a2	or R <sup>2</sup>
Aroclor-1016	1	9008.21	7672.77	6703.55	6905.29	6470.99		7352.16		14.00709
	2	17838.64	14868.47	12599.04	12640.12	11665.18		13922.29		17.85690
	3	9942.81	10405.54	9214.63	9380.14	8945.62		9577.75		6.15261
	4	31120.69	28531.76	25092.62	25788.10	24362.02		26979.04		10.38337
	5	11841.30	11902.76	10617.89	10852.69	10336.33		11110.20		6.47525
	6	6210.40	6803.27	5569.25	7948.77	8107.29		6927.80		15.82775
	7	11869.58	11484.04	10739.24	11141.14	10747.11		11196.22		4.35231
	8	5686.37	4915.04	5129.28	5704.33	5305.38		5348.08		6.46769
Aroclor-1260	1	22671.83	19189.91	16611.82	16922.85	15807.90		18240.86		15.22344
	2	38200.91	32620.18	28356.62	29078.49	27251.41		31101.52		14.30330
	3	33018.83	29234.43	26194.18	27537.47	26331.67		28463.32		9.92115
	4	18331.62	15077.54	12492.27	13734.36	12662.83		14459.72		16.58309
	5	15879.76	13681.79	12329.06	13267.97	12821.96		13596.11		10.09464
	6	13351.06	14261.30	13338.46	14603.94	14287.60		13968.47		4.18896
	7	12664.22	13203.65	11275.58	13549.72	12199.57		12578.55		7.09137
	8	8319.75	9618.11	8732.66	9874.82	9229.01		9154.87		6.93879
Tetrachloro-m-xylene		306205.48	320827.58	281007.97	292280.75	283869.47		296838.25		5.59367
Decachlorobiphenyl(s		335677.28	320592.68	270734.51	277899.34	264653.91		293911.54		10.90069

Comments:

\* = %RSD exceeded maximum upper limit. Non-linear curve used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1660L1\_00002A  
 Lab ID : SG1660L1\_00002A  
 Inj Date : 15-AUG-2007 12:31  
 Operator : 615  
 Cpnd Sublist: AR166008

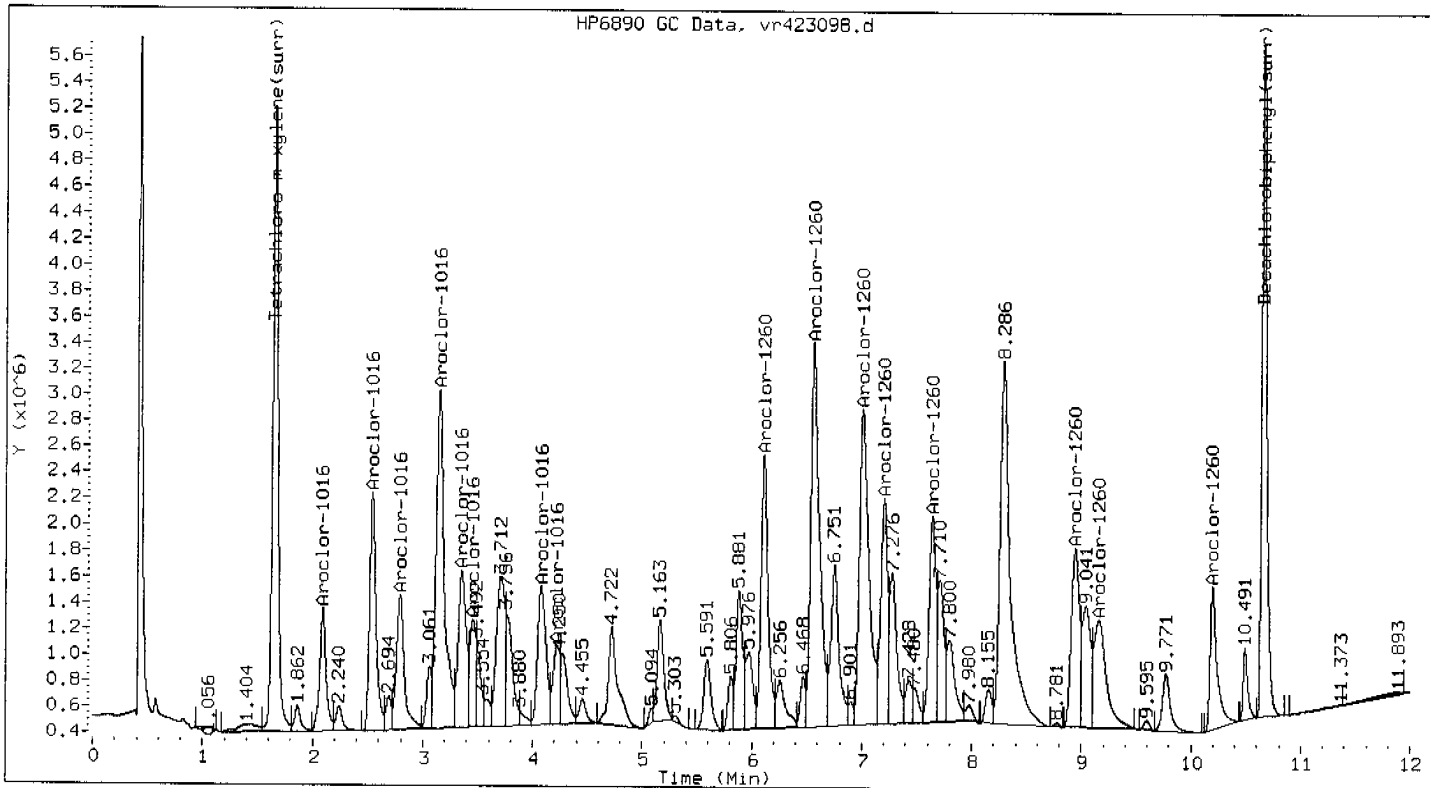
Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.092	2.089	0.003	900821	122.525	122.525
(2)	2.538	2.537	0.001	1783864	128.130	128.130
(3)	2.792	2.792	0.000	994281	103.812	103.812
(4)	3.146	3.146	0.000	3112069	115.351	115.351
(5)	3.352	3.351	0.001	1184130	106.580	106.580
(6)	3.449	3.458	0.009	621040	89.645	89.645
(7)	4.071	4.073	0.001	1186958	106.014	106.014
(8)	4.220	4.219	0.001	568637	106.325	106.325
Average of peak concentrations:					110.00	
Aroclor-1260 (M)	6.107	6.108	0.001	2267183	124.291	124.291
(2)	6.559	6.559	0.000	3820091	122.826	122.826
(3)	7.004	7.004	0.000	3301883	116.005	116.005
(4)	7.201	7.202	0.001	1833162	126.777	126.777
(5)	7.642	7.642	0.000	1587976	116.796	116.796
(6)	8.945	8.944	0.000	1335106	95.580	95.580

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
-----	-----	-----	-----	-----	-----	-----
(7)	9.161	9.162	0.001	1266422	100.681	100.681
(8)	10.196	10.196	0.000	831975	90.878	90.878
Average of peak concentrations:						110.00
-----	-----	-----	-----	-----	-----	-----
Tetrachloro-m-xylene(surr)	1.651	1.649	0.002	7655137	25.789	25.789
-----	-----	-----	-----	-----	-----	-----
Decachlorobiphenyl(surr)	10.654	10.653	0.001	8391932	28.553	28.553
-----	-----	-----	-----	-----	-----	-----

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1660L2\_00002A  
 Lab ID : SG1660L2\_00002A  
 Inj Date : 15-AUG-2007 12:47  
 Operator : 615  
 Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_2

*189-24-07*

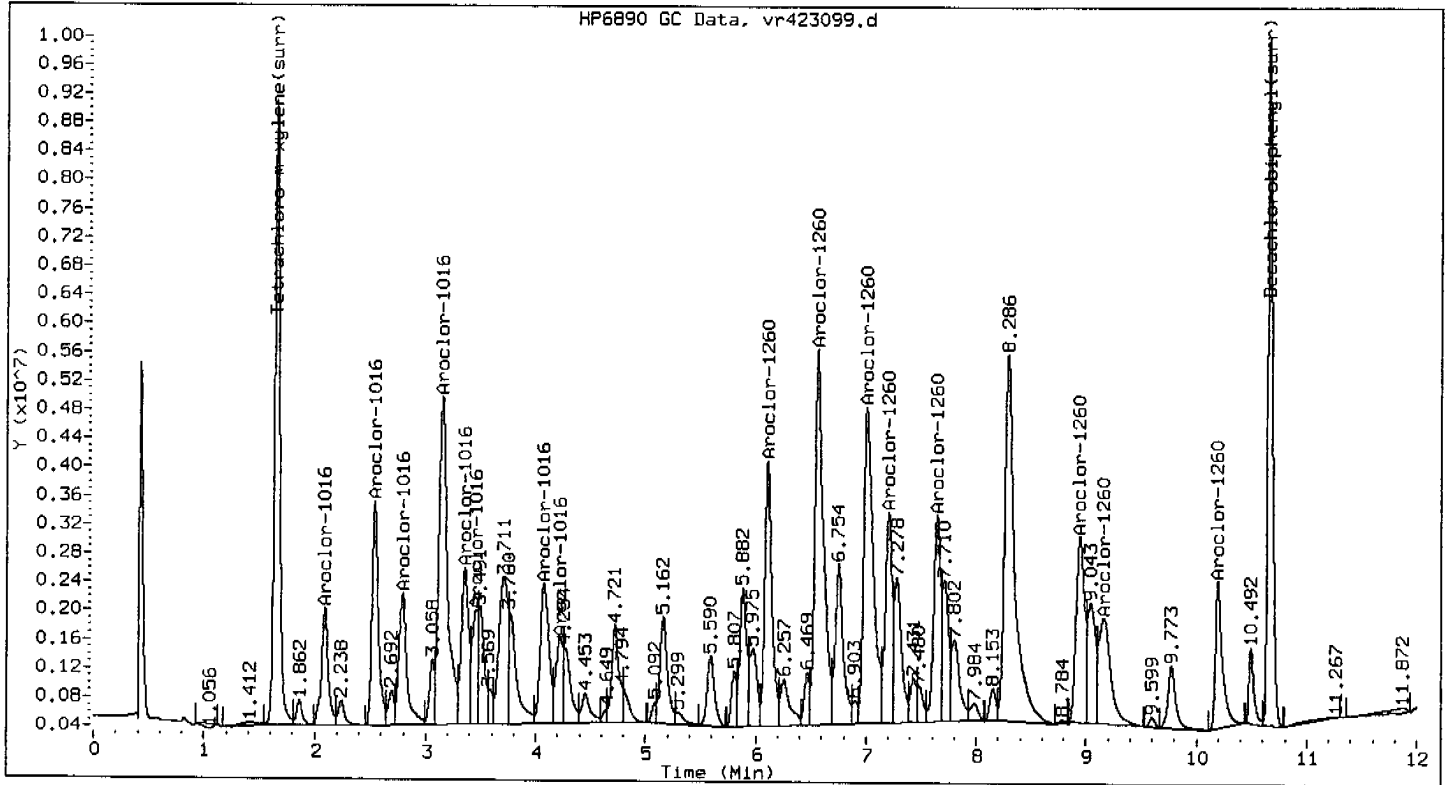
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS		
					ON-COLUMN (ug/L)	FINAL (ug/kg)	
Aroclor-1016	(M) 2.091	2.089	0.002	3836386	521.804	521.804	
(2)	2.540	2.537	0.003	7434237	533.981	533.981	
(3)	2.795	2.792	0.003	5202772	543.215	543.215	
(4)	3.149	3.146	0.003	14265881	528.776	528.776	
(5)	3.354	3.351	0.003	5951382	535.669	535.669	
(6)	3.455	3.458	0.003	3401637	491.013	491.013	
(7)	4.076	4.073	0.003	5742021	512.853	512.853	
(8)	4.221	4.219	0.002	2457519	459.514	459.514	
Average of peak concentrations:						520.00	
Aroclor-1260	6.107	6.108	0.000	9594953	526.014	526.014	
(2)	6.557	6.559	0.001	16310090	524.415	524.415	
(3)	7.003	7.004	0.000	14617216	513.546	513.546	
(4)	7.201	7.202	0.001	7538770	521.363	521.363	
(5)	7.641	7.642	0.001	6840895	503.151	503.151	
(6)	8.942	8.944	0.002	7130651	510.482	510.482	

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
=====	=====	=====	=====	=====	=====	=====
(7)	9.158	9.162	0.004	6601826	524.848	524.848
(8)	10.196	10.196	0.000	4809057	525.300	525.300
Average of peak concentrations:						520.00
-----						
Tetrachloro-m-xylene(surr)	1.651	1.649	0.002	16041379	54.041	54.041
-----						
Decachlorobiphenyl(surr)	10.652	10.653	0.000	16029634	54.539	54.539
-----						

COMMENTS:

M - Compound response manually integrated.





Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1660L3\_00002A  
 Lab ID : SG1660L3\_00002A  
 Inj Date : 15-AUG-2007 13:02  
 Operator : 615  
 Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

*158-14-07*

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.089	2.089	0.000	6703552	911.780	911.780
(2)	2.537	2.537	0.000	12599044	904.955	904.955
(3)	2.792	2.792	0.000	9214627	962.087	962.087
(4)	3.146	3.146	0.000	25092623	930.078	930.078
(5)	3.351	3.351	0.000	10617892	955.689	955.689
(6)	3.458	3.458	0.000	5569254	803.900	803.900
(7)	4.073	4.073	0.000	10739242	959.184	959.184
(8)	4.219	4.219	0.000	5129278	959.088	959.088

Average of peak concentrations: 920.00

Aroclor-1260	6.108	6.108	0.000	16611818	910.693	910.693
(2)	6.559	6.559	0.000	28356625	911.744	911.744
(3)	7.004	7.004	0.000	26194184	920.279	920.279
(4)	7.202	7.202	0.000	12492274	863.936	863.936
(5)	7.642	7.642	0.000	12329063	906.808	906.808
(6)	8.944	8.944	0.000	13338462	954.898	954.898

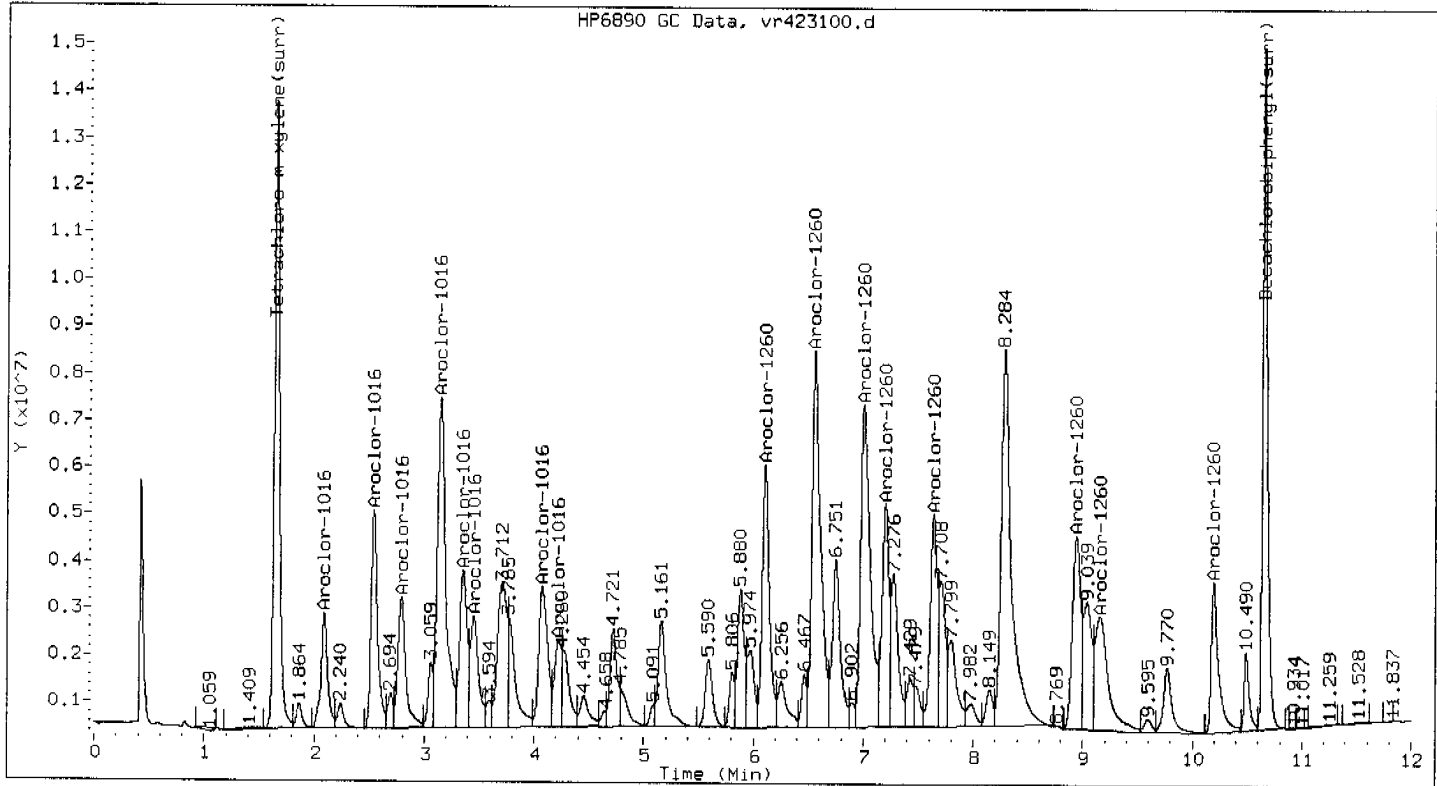
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	9.162	9.162	0.000	11275585	896.414	896.414
(8)	10.196	10.196	0.000	8732655	953.881	953.881

Average of peak concentrations: 910.00

Tetrachloro-m-xylene(surr)	1.649	1.649	0.000	28100797	94.667	94.667
Decachlorobiphenyl(surr)	10.653	10.653	0.000	27073451	92.114	92.114

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1660L4\_00002A  
 Lab ID : SG1660L4\_00002A  
 Inj Date : 15-AUG-2007 13:17  
 Operator : 615  
 Cpnd Sublist: ARL6600S

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.092	2.089	0.002	10357928	1408.828	1408.828
(2)	2.539	2.537	0.002	18960173	1361.857	1361.857
(3)	2.794	2.792	0.002	14070217	1469.053	1469.053
(4)	3.148	3.146	0.002	38682147	1433.785	1433.785
(5)	3.353	3.351	0.002	16279041	1465.234	1465.234
(6)	3.452	3.458	0.006	11923148	1721.059	1721.059
(7)	4.074	4.073	0.001	16711711	1492.621	1492.621
(8)	4.220	4.219	0.002	8556501	1599.920	1599.920

Average of peak concentrations:

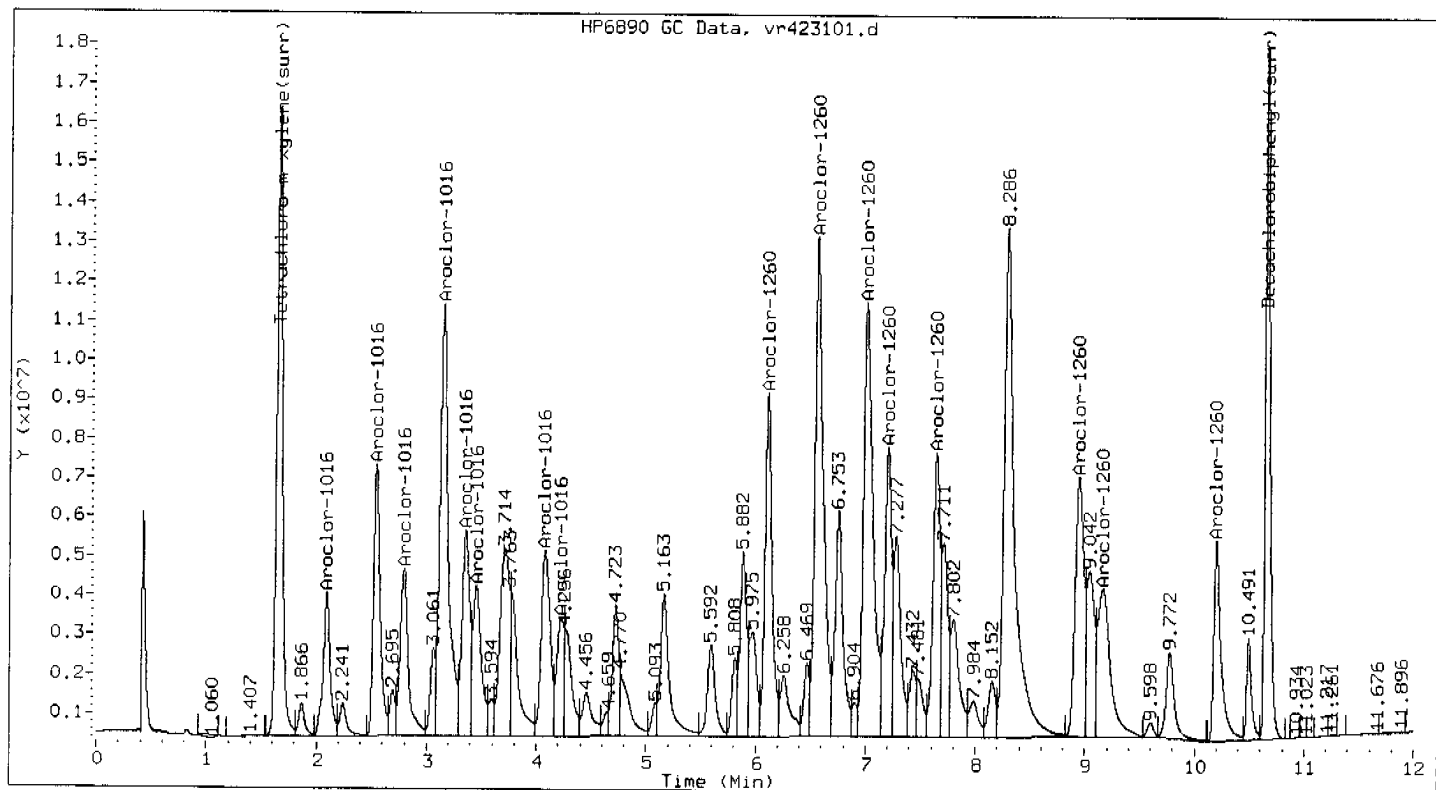
1500.00

Aroclor-1260	6.106	6.108	0.002	25384271	1391.616	1391.616
(2)	6.556	6.559	0.003	43617728	1402.431	1402.431
(3)	7.002	7.004	0.002	41306211	1451.209	1451.209
(4)	7.199	7.202	0.003	20601538	1424.753	1424.753
(5)	7.640	7.642	0.002	19901957	1463.798	1463.798
(6)	8.941	8.944	0.003	21905912	1568.239	1568.239

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
=====	=====	=====	=====	=====	=====	=====
(7)	9.157	9.162	0.005	20324575	1615.812	1615.812
(8)	10.194	10.196	0.002	14812225	1617.961	1617.961
Average of peak concentrations:					1500.00	
-----						
Tetrachloro-m-xylene(surr)	1.652	1.649	0.003	43842112	147.697	147.697
-----						
Decachlorobiphenyl(surr)	10.650	10.653	0.003	41684901	141.828	141.828
-----						

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1660L5\_00002A  
 Lab ID : SG1660L5\_00002A  
 Inj Date : 15-AUG-2007 13:33  
 Operator : 615  
 Cpnd Sublist: AR16600S *159-249*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_5

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.092	2.089	0.003	16177469	2200.369	2200.369
(2)	2.541	2.537	0.004	29162952	2094.695	2094.695
(3)	2.794	2.792	0.002	22364045	2335.000	2335.000
(4)	3.148	3.146	0.002	60905062	2257.496	2257.496
(5)	3.353	3.351	0.002	25840823	2325.866	2325.866
(6)	3.453	3.458	0.005	20268217	2925.637	2925.637
(7)	4.075	4.073	0.002	26867765	2399.717	2399.717
(8)	4.222	4.219	0.004	13263455	2480.040	2480.040
Average of peak concentrations:					2400.00	
Aroclor-1260	6.107	6.108	0.001	39519755	2166.551	2166.551
(2)	6.558	6.559	0.001	68128525	2190.521	2190.521
(3)	7.004	7.004	0.000	65829184	2312.773	2312.773
(4)	7.201	7.202	0.001	31657076	2189.328	2189.328
(5)	7.642	7.642	0.000	32054909	2357.653	2357.653
(6)	8.944	8.944	0.001	35719011	2557.116	2557.116

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
=====	=====	=====	=====	=====	=====	=====
(7)	9.162	9.162	0.000	30498933	2424.678	2424.678
(8)	10.196	10.196	0.000	23072536	2520.247	2520.247
Average of peak concentrations:					2300.00	
-----						
Tetrachloro-m-xylene(surr)	1.653	1.649	0.004	56773893	191.262	191.262
-----						
Decachlorobiphenyl(surr)	10.651	10.653	0.001	52930781	180.091	180.091
-----						

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS INITIAL CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Calibration Files:

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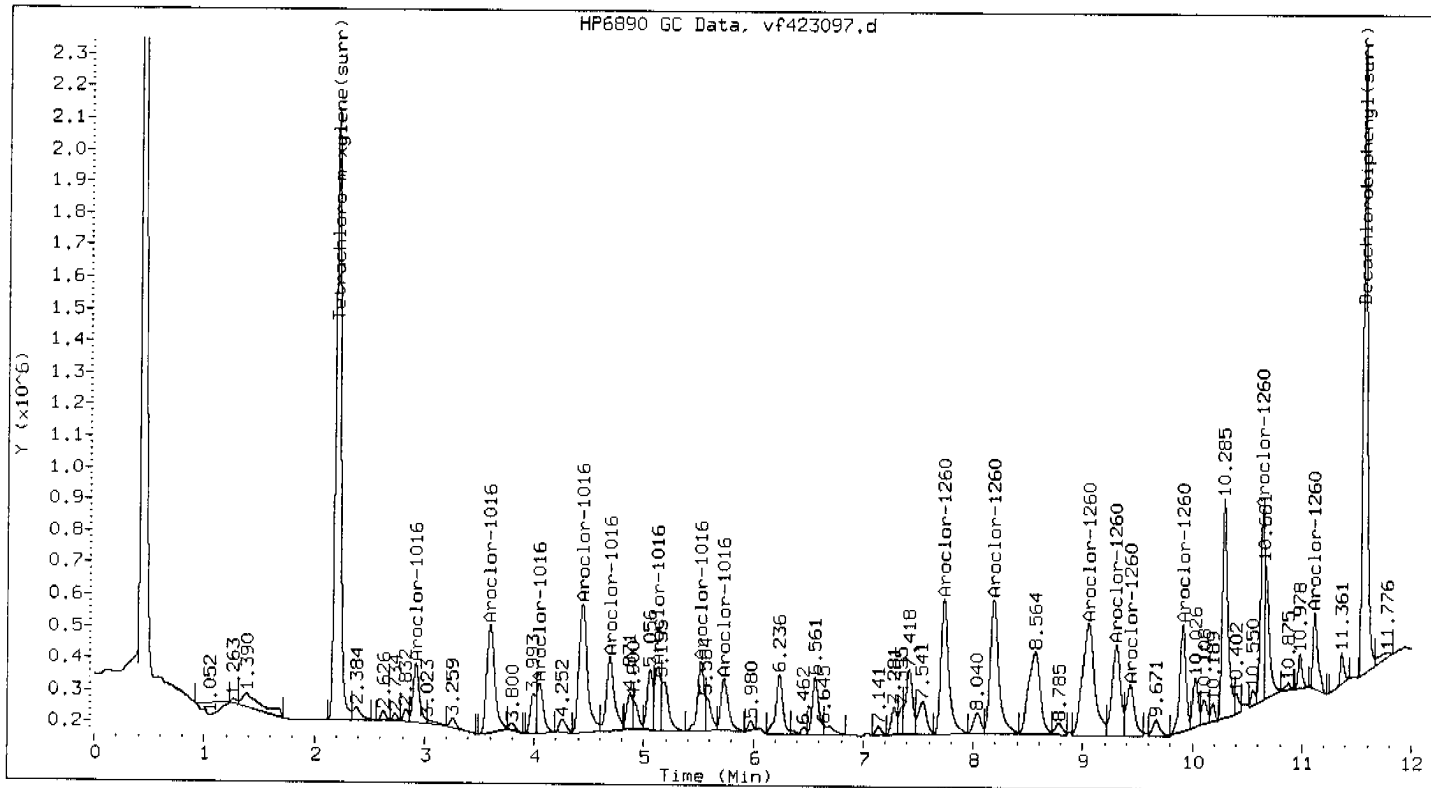
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Compound	Level	Level	Level	Level	Level	Coefficients			%RSD
						a0	a1	a2	or R^2
Aroclor-1016	1	7157.61	6788.93	6543.87	6682.08	6156.37	6665.77		5.46951
	2	17515.74	15989.18	13817.52	14329.93	13178.28	14966.13		11.79648
	3	6241.27	6221.60	5531.37	6344.88	5967.94	6061.41		5.39685
	4	21812.60	21696.61	21050.62	23895.20	22970.90	22285.18		5.09473
Aroclor-1260	5	11554.30	9877.96	10045.90	11638.39	10921.86	10807.68		7.60925
	6	7123.26	6865.29	6435.67	7428.15	6988.17	6968.11		5.22474
Aroclor-1260	7	8707.47	7657.92	7126.33	7916.07	7513.92	7784.34		7.57721
	8	7843.38	8430.34	7384.71	9232.71	8730.80	8324.39		8.73686
Aroclor-1260	1	21319.91	19292.51	17248.06	18485.45	16967.25	18662.64		9.42079
	2	22857.62	21468.39	19341.45	21020.77	19429.74	20823.60		7.09511
	3	27044.05	25996.43	26023.43	28194.12	27118.75	26875.36		3.39250
	4	15271.30	12987.30	12898.30	13593.03	12806.66	13511.32		7.63002
Aroclor-1260	5	8398.14	6720.31	7223.25	7631.67	7403.45	7475.37		8.23217
	6	12724.19	14207.05	12980.92	13736.15	13165.72	13362.81		4.49729
Aroclor-1260	7	16100.36	16142.43	14312.76	15732.04	14311.76	15319.87		6.09385
	8	7301.54	6336.01	6242.23	6344.55	6094.91	6463.85		7.40956
Tetrachloro-m-xylene		256096.08	277513.02	261971.54	285169.95	278844.27	271918.97		4.51965
Decachlorobiphenyl(s		212461.64	240563.66	213792.50	220456.61	215895.12	220633.91		5.23326

Comments:

\* = %RSD exceeded maximum upper limit. Non-linear curve used for quantitation.

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1660L1\_00002A  
 Lab ID : SG1660L1\_00002A  
 Inj Date : 15-AUG-2007 12:31  
 Operator : 615  
 Cpnd Sublist: AR16600S *8 9-24-07*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.921	2.919	0.001	715761	107.379	107.379
(2)	3.600	3.598	0.002	1751574	117.036	117.036
(3)	4.048	4.048	0.000	624127	102.967	102.967
(4)	4.441	4.440	0.000	2181260	97.879	97.879
(5)	4.691	4.689	0.001	1155430	106.908	106.908
(6)	5.127	5.125	0.002	712326	102.227	102.227
(7)	5.518	5.519	0.001	870747	111.859	111.859
(8)	5.729	5.729	0.001	784338	94.222	94.222

Average of peak concentrations:

100.00

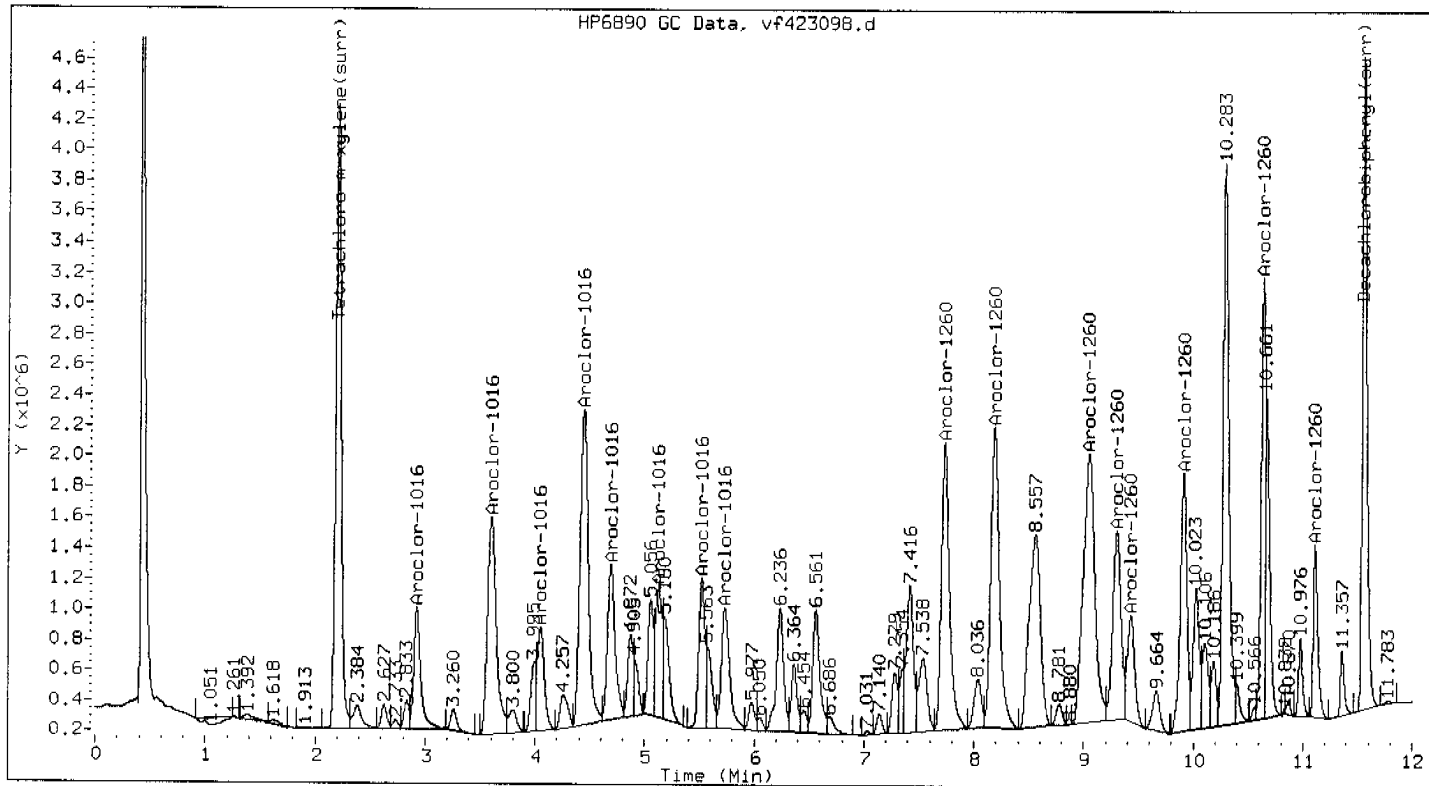
Aroclor 1260 (M)	7.733	7.731	0.002	2131991	114.238	114.238
(2)	8.185	8.183	0.002	2285762	109.768	109.768
(3)	9.053	9.051	0.002	2704405	100.628	100.628
(4)	9.304	9.300	0.004	1527130	113.026	113.026
(5)	9.432	9.430	0.002	839814	112.344	112.344
(6)	9.909	9.908	0.001	1272419	95.221	95.221



Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	10.633	10.633	0.000	1610036	105.095	105.095
(8)	11.111	11.111	0.001	730154	112.960	112.960
Average of peak concentrations:						110.00
Tetrachloro-m-xylene(surr)	2.202	2.200	0.002	6402402	23.545	23.545
Decachlorobiphenyl(surr)	11.556	11.557	0.001	5311541	24.074	24.074

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1660L2\_00002A  
 Lab ID : SG1660L2\_00002A  
 Inj Date : 15-AUG-2007 12:47  
 Operator : 615  
 Cpnd Sublist: AR16600S

89-24-07

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_2

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.922	2.919	0.003	3394464	509.238	509.238
(2)	3.601	3.598	0.003	7994590	534.179	534.179
(3)	4.050	4.048	0.002	3110798	513.213	513.213
(4)	4.442	4.440	0.002	10848303	486.794	486.794
(5)	4.691	4.689	0.001	4938980	456.988	456.988
(6)	5.126	5.125	0.000	3432644	492.622	492.622
(7)	5.519	5.519	0.000	3828959	491.880	491.880
(8)	5.729	5.729	0.000	4215170	506.364	506.364

Average of peak concentrations:

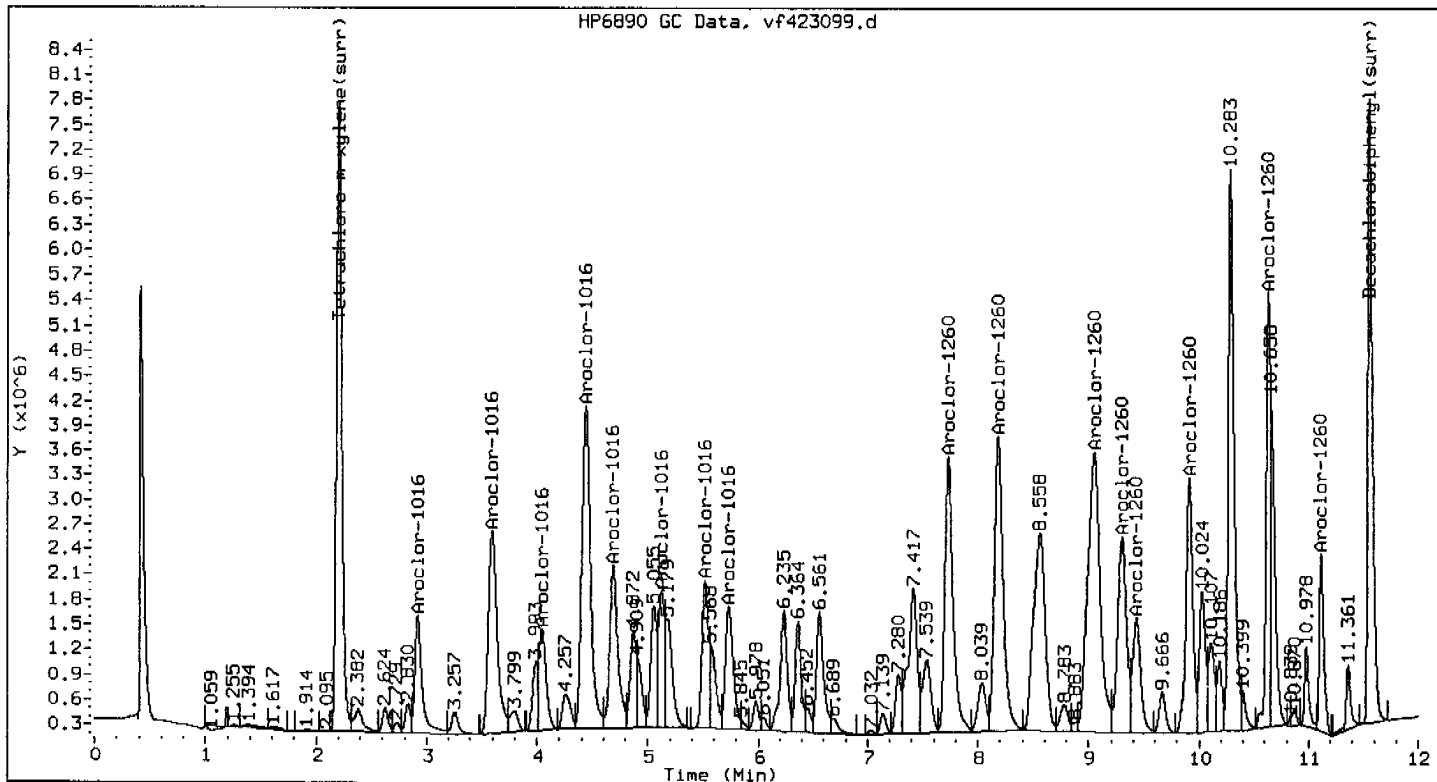
500.00

Aroclor-1260 (M)	7.731	7.731	0.000	9646256	516.875	516.875
(2)	8.181	8.183	0.001	10734193	515.482	515.482
(3)	9.049	9.051	0.002	12998215	483.648	483.648
(4)	9.299	9.300	0.001	6493648	480.608	480.608
(5)	9.429	9.430	0.001	3360155	449.497	449.497
(6)	9.907	9.908	0.000	7103524	531.589	531.589

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	10.632	10.633	0.000	8071214	526.846	526.846
(8)	11.109	11.111	0.002	3168003	490.111	490.111
Average of peak concentrations:						500.00
Tetrachloro-m-xylene(surr)	2.202	2.200	0.002	13875651	51.029	51.029
Decachlorobiphenyl(surr)	11.551	11.557	0.005	12028183	54.516	54.516

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1660L3\_00002A  
 Lab ID : SG1660L3\_00002A  
 Inj Date : 15-AUG-2007 13:02  
 Operator : 615  
 Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

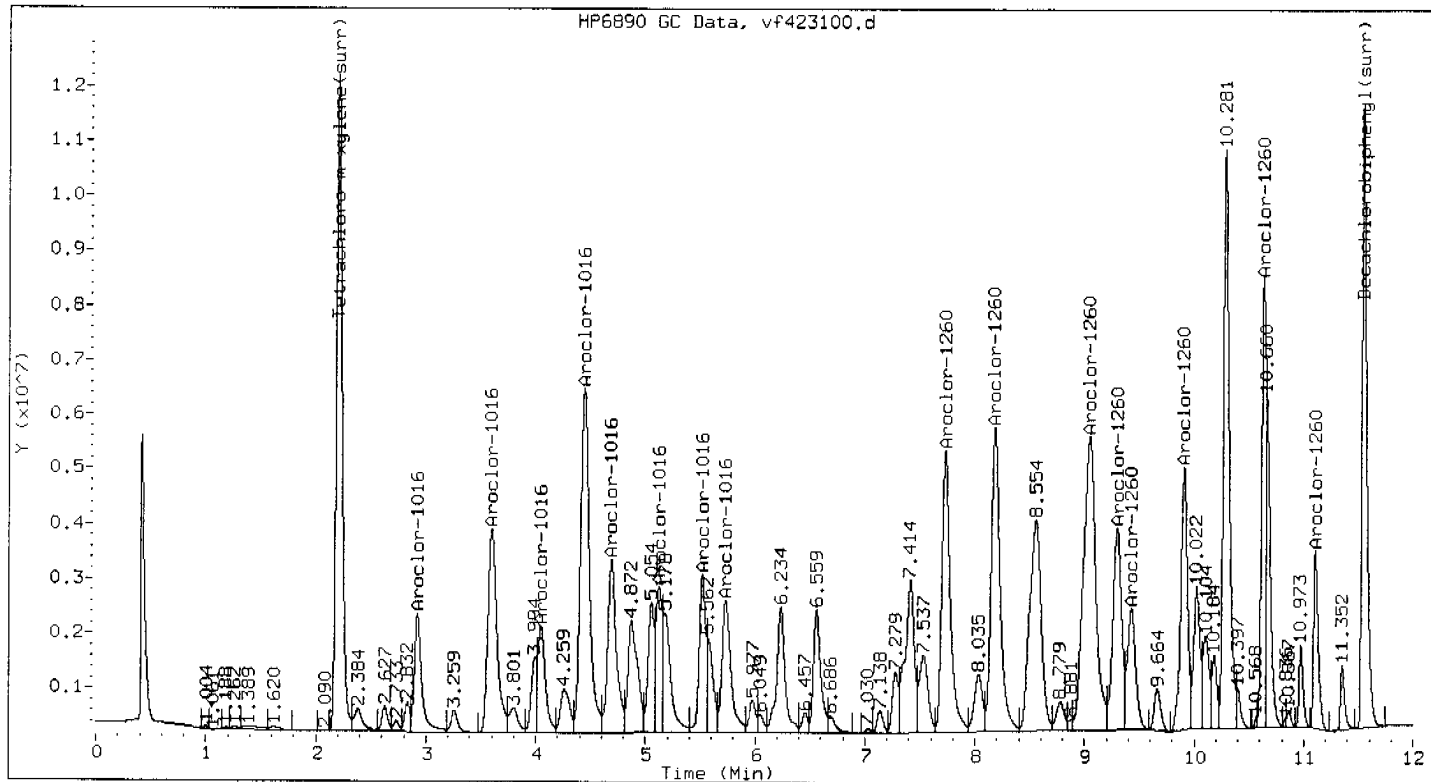
*Handwritten: 16-1607*

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.919	2.919	0.000	6543874	981.713	981.713
(2)	3.598	3.598	0.000	13817524	923.253	923.253
(3)	4.048	4.048	0.000	5531373	912.555	912.555
(4)	4.440	4.440	0.000	21050617	944.601	944.601
(5)	4.689	4.689	0.000	10045895	929.514	929.514
(6)	5.125	5.125	0.000	6435671	923.590	923.590
(7)	5.519	5.519	0.000	7126327	915.470	915.470
(8)	5.729	5.729	0.000	7384714	887.118	887.118
Average of peak concentrations:						930.00
Aroclor-1260 (M)	7.731	7.731	0.000	17248058	924.203	924.203
(2)	8.183	8.183	0.000	19341451	928.824	928.824
(3)	9.051	9.051	0.000	26023426	968.301	968.301
(4)	9.300	9.300	0.000	12898302	954.629	954.629
(5)	9.430	9.430	0.000	7223248	966.274	966.274
(6)	9.908	9.908	0.000	12980918	971.422	971.422

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	10.633	10.633	0.000	14312760	934.261	934.261
(8)	11.111	11.111	0.000	6242225	965.714	965.714
Average of peak concentrations:					950.00	
Tetrachloro-m-xylene(surr)	2.200	2.200	0.000	26197154	96.342	96.342
Decachlorobiphenyl(surr)	11.557	11.557	0.000	21379250	96.899	96.899

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1660L4\_00002A  
 Lab ID : SG1660L4\_00002A  
 Inj Date : 15-AUG-2007 13:17  
 Operator : 615  
 Cpnd Sublist: AR16600S *KS 9-24-07*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.921	2.919	0.002	10023125	1503.670	1503.670
(2)	3.599	3.598	0.002	21494898	1436.236	1436.236
(3)	4.048	4.048	0.000	9517326	1570.150	1570.150
(4)	4.441	4.440	0.001	35842798	1608.369	1608.369
(5)	4.689	4.689	0.000	17457584	1615.294	1615.294
(6)	5.124	5.125	0.001	11142226	1599.032	1599.032
(7)	5.519	5.519	0.000	11874107	1525.384	1525.384
(8)	5.729	5.729	0.001	13849071	1663.674	1663.674

Average of peak concentrations:

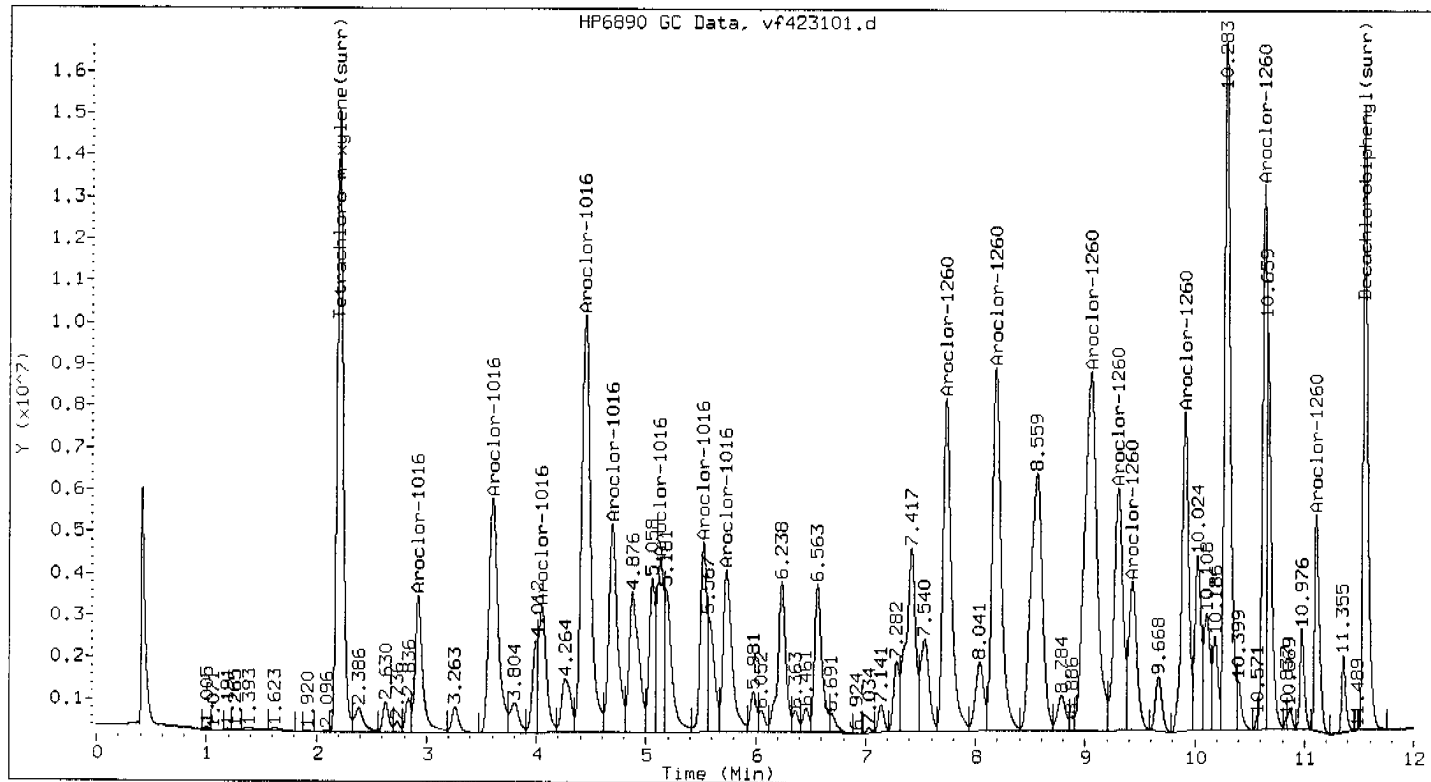
1600.00

Aroclor-1260 (M)	7.729	7.731	0.003	27728179	1485.759	1485.759
(2)	8.179	8.183	0.003	31531160	1514.204	1514.204
(3)	9.048	9.051	0.003	42291175	1573.604	1573.604
(4)	9.296	9.300	0.004	20389548	1509.072	1509.072
(5)	9.427	9.430	0.003	11447509	1531.365	1531.365
(6)	9.905	9.908	0.003	20604220	1541.908	1541.908

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	10.630	10.633	0.003	23598067	1540.357	1540.357
(8)	11.104	11.111	0.007	9516832	1472.317	1472.317
Average of peak concentrations:						1500.00
Tetrachloro-m-xylene(surr)	2.203	2.200	0.002	42775492	157.310	157.310
Decachlorobiphenyl(surr)	11.544	11.557	0.013	33068492	149.879	149.879

COMMENTS:

M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1660L5\_00002A  
 Lab ID : SG1660L5\_00002A  
 Inj Date : 15-AUG-2007 13:33  
 Operator : 615  
 Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_5

*BS-24-0*

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.924	2.919	0.004	15390933	2308.949	2308.949
(2)	3.602	3.598	0.004	32945693	2201.350	2201.350
(3)	4.051	4.048	0.003	14919857	2461.449	2461.449
(4)	4.445	4.440	0.004	57427243	2576.925	2576.925
(5)	4.693	4.689	0.004	27304661	2526.412	2526.412
(6)	5.128	5.125	0.003	17470419	2507.197	2507.197
(7)	5.521	5.519	0.003	18784797	2413.152	2413.152
(8)	5.733	5.729	0.004	21827000	2622.054	2622.054

Average of peak concentrations:

2400.00

Aroclor-1260 (M)	7.732	7.731	0.001	42418134	2272.891	2272.891
(2)	8.182	8.183	0.001	48574345	2332.659	2332.659
(3)	9.051	9.051	0.001	67796880	2522.641	2522.641
(4)	9.301	9.300	0.000	32016646	2369.617	2369.617
(5)	9.431	9.430	0.000	18508629	2475.950	2475.950
(6)	9.908	9.908	0.000	32914295	2463.128	2463.128



Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
=====	=====	=====	=====	=====	=====	=====
(7)	10.631	10.633	0.001	35779408	2335.490	2335.490
(8)	11.107	11.111	0.004	15237264	2357.306	2357.306
Average of peak concentrations:						2400.00
-----						
Tetrachloro-m-xylene(surr)	2.206	2.200	0.005	55768854	205.094	205.094
-----						
Decachlorobiphenyl(surr)	11.547	11.557	0.010	43179024	195.704	195.704
-----						

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i    Column ID: StxCLP1    Primary Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423102.d

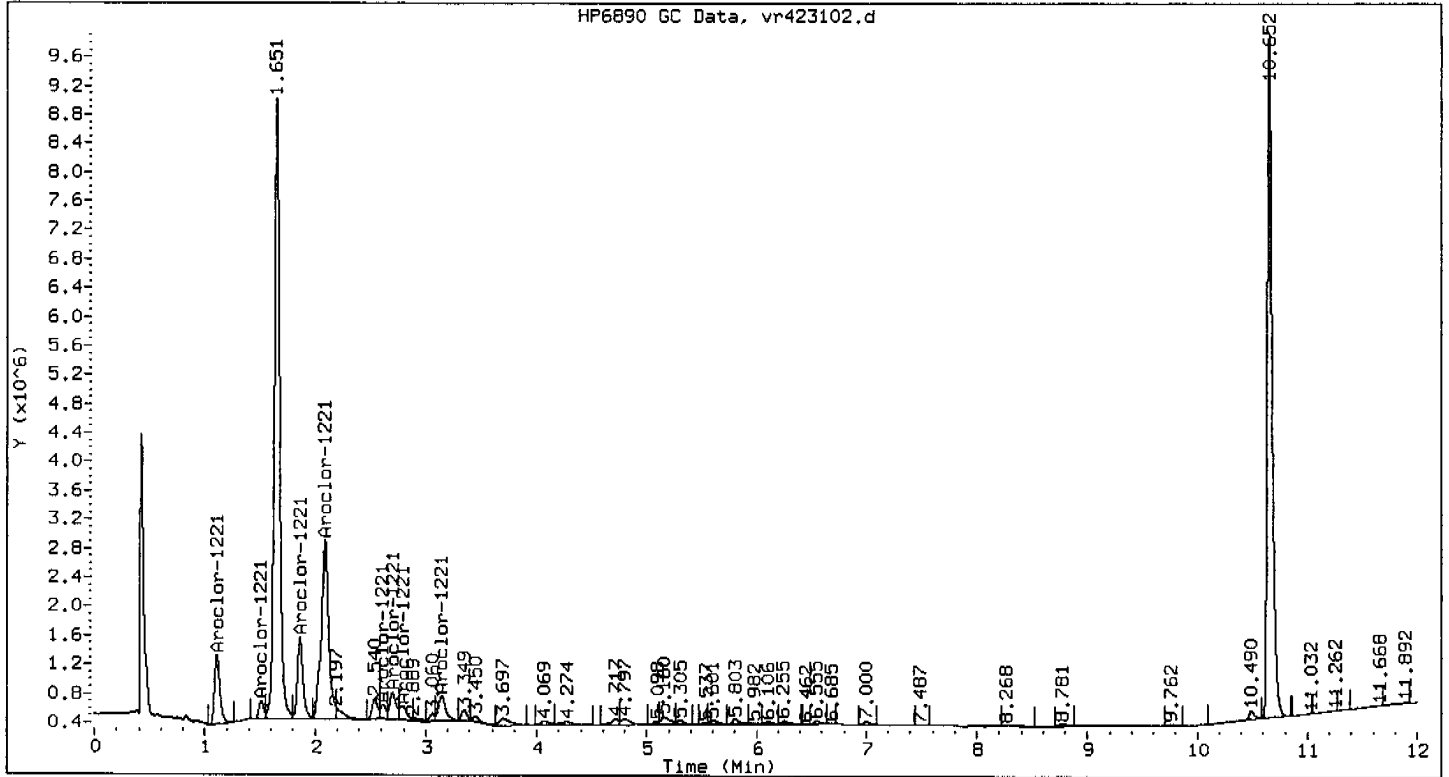
Compound	Midpoint Standard	Response Factor
Aroclor-1221	3407.68	
	2   709.52	
	3   3915.61	
	4   11139.33	
	5   689.99	
	6   1438.40	
	7   894.59	
	8   1696.11	

Report File:

Report File:

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG122L3\_00004A  
 Lab ID : SG122L3\_00004A  
 Inj Date : 15-AUG-2007 13:48  
 Operator : 615  
 Cpnd Sublist: AR12210

*LS 8-16-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221 (M)	1.109	1.109	0.000	3407678	1000.000	1000.000
(2)	1.512	1.512	0.000	709519	1000.000	1000.000
(3)	1.863	1.863	0.000	3915607	1000.000	1000.000
(4)	2.089	2.089	0.000	11139325	1000.000	1000.000
(5)	2.614	2.614	0.000	689986	1000.000	1000.000
(6)	2.699	2.699	0.000	1438401	1000.000	1000.000
(7)	2.791	2.791	0.000	894590	1000.000	1000.000
(8)	3.147	3.147	0.000	1696105	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i    Column ID: StxCLP2    Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/vf423102.d

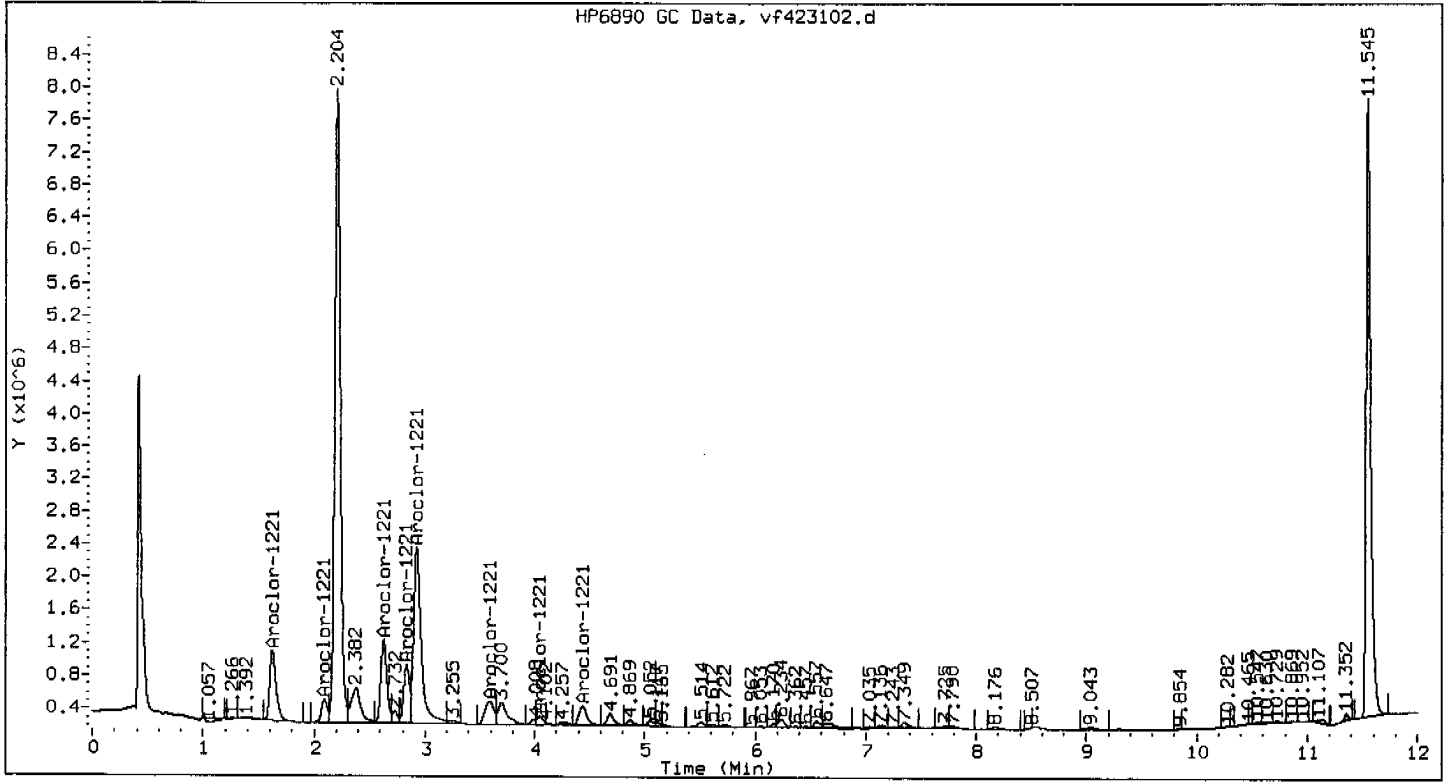
Compound	Midpoint Standard	Response Factor
Aroclor-1221	3384.17	
	2   1001.36	
	3   3711.88	
	4   2403.29	
	5   10200.48	
	6   1626.09	
	7   419.70	
	8   1178.12	

Sample Name: Aroclor-1221

Sample Weight: 1.0

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG122L3\_00004A  
 Lab ID : SG122L3\_00004A  
 Inj Date : 15-AUG-2007 13:48  
 Operator : 615  
 Cpnd Sublist: AR12210

*88-16-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1221	(M)	1.622	1.622	0.000	3384170	1000.000
(2)		2.092	2.092	0.000	1001361	1000.000
(3)		2.629	2.629	0.000	3711878	1000.000
(4)		2.833	2.833	0.000	2403289	1000.000
(5)		2.923	2.923	0.000	10200479	1000.000
(6)		3.592	3.592	0.000	1626093	1000.000
(7)		4.048	4.048	0.000	419696	1000.000
(8)		4.439	4.439	0.000	1178120	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423103.d

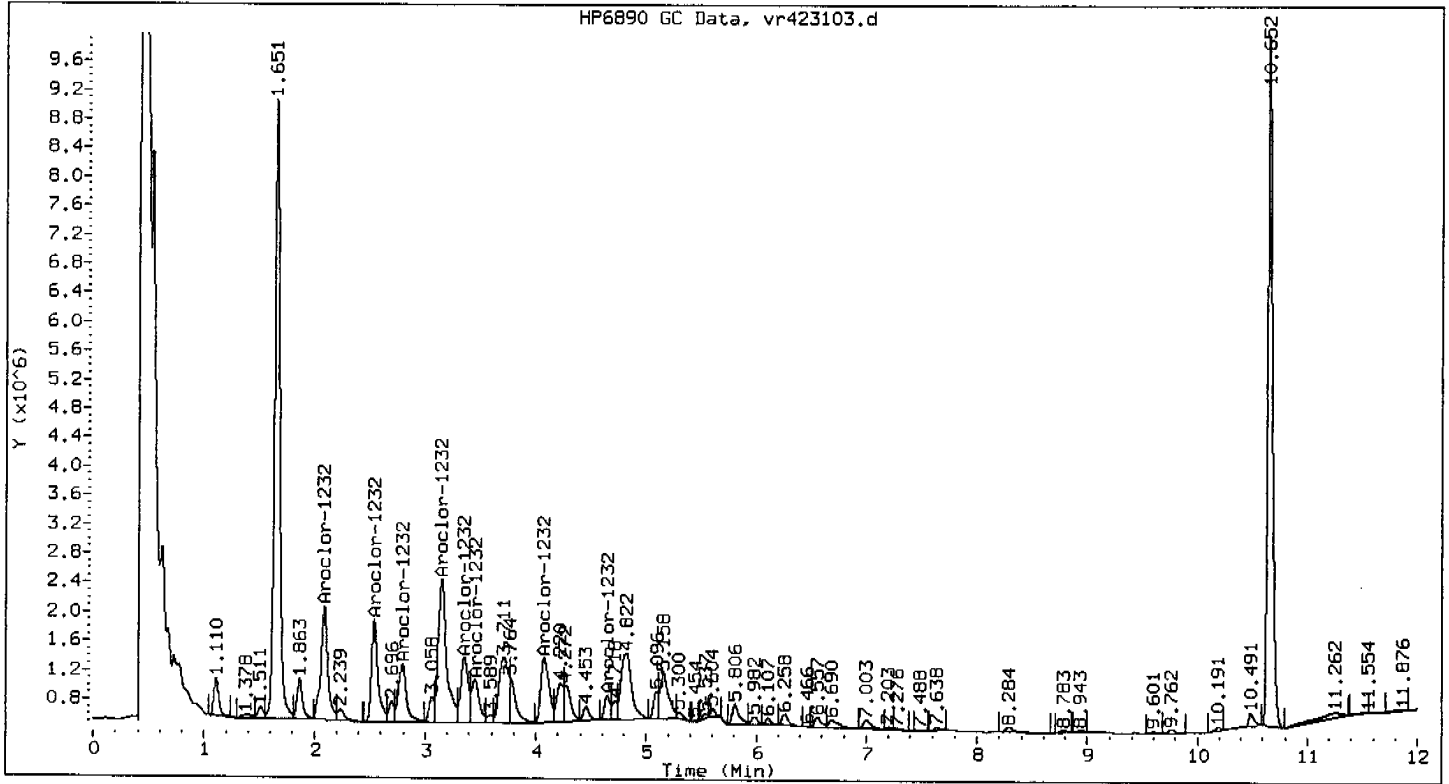
Compound	Midpoint Standard	Response Factor
Aroclor-1232		6574.46
	2	5801.54
	3	3929.12
	4	10694.03
	5	4277.47
	6	2759.22
	7	4545.41
	8	1193.62

Printed: 08/15/07

Lab: 8082

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1232L3\_00002A  
 Lab ID : SG1232L3\_00002A  
 Inj Date : 15-AUG-2007 14:03  
 Operator : 615  
 Cpnd Sublist: AR12320

88-16-07

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	2.090	2.090	0.000	6574456	1000.000	1000.000
(2)	2.538	2.538	0.000	5801538	1000.000	1000.000
(3)	2.793	2.793	0.000	3929121	1000.000	1000.000
(4)	3.147	3.147	0.000	10694030	1000.000	1000.000
(5)	3.352	3.352	0.000	4277466	1000.000	1000.000
(6)	3.449	3.449	0.000	2759222	1000.000	1000.000
(7)	4.073	4.073	0.000	4545410	1000.000	1000.000
(8)	4.646	4.646	0.000	1193618	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/Eront/Aug07/08-15-07aical/15aug07a.b/vf423103.d

Compound	Midpoint Standard	Response Factor
Aroclor-1232	5892.59	
	2	6653.85
	3	2482.23
	4	8762.59
	5	4472.42
	6	1761.80
	7	3579.78
	8	3801.20

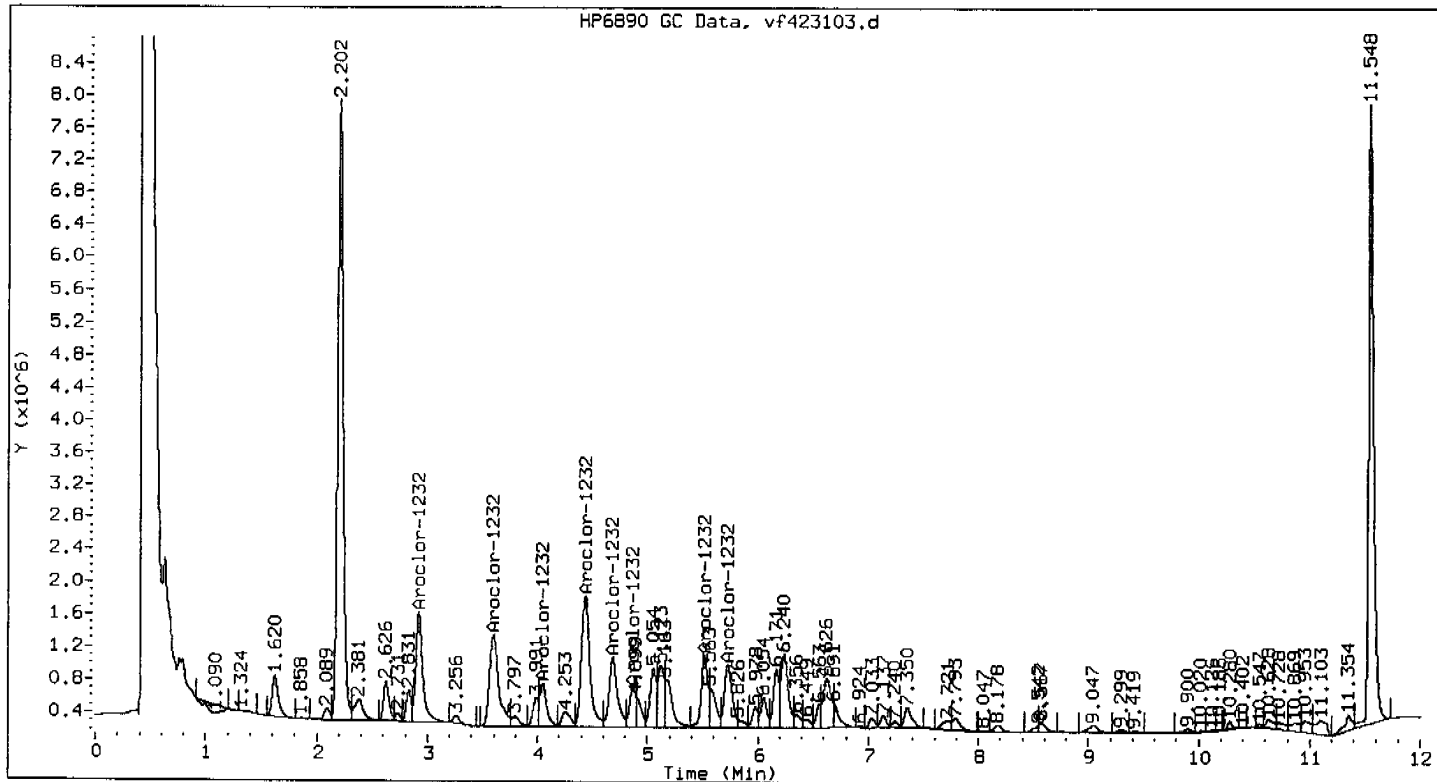
Sample Name

Sample ID

Comments:

+ = Multi-component peak not used in calibration of compound.





Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1232L3\_00002A  
 Lab ID : SG1232L3\_00002A  
 Inj Date : 15-AUG-2007 14:03  
 Operator : 615  
 Cpnd Sublist: AR12320

*188-16-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1232	(M) 2.920	2.920	0.000	5892585	1000.000	1000.000
(2)	3.596	3.596	0.000	6653849	1000.000	1000.000
(3)	4.046	4.046	0.000	2482229	1000.000	1000.000
(4)	4.438	4.438	0.000	8762588	1000.000	1000.000
(5)	4.687	4.687	0.000	4472420	1000.000	1000.000
(6)	4.870	4.870	0.000	1761798	1000.000	1000.000
(7)	5.518	5.518	0.000	3579778	1000.000	1000.000
(8)	5.728	5.728	0.000	3801195	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxC1P1 Primary Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423104.d

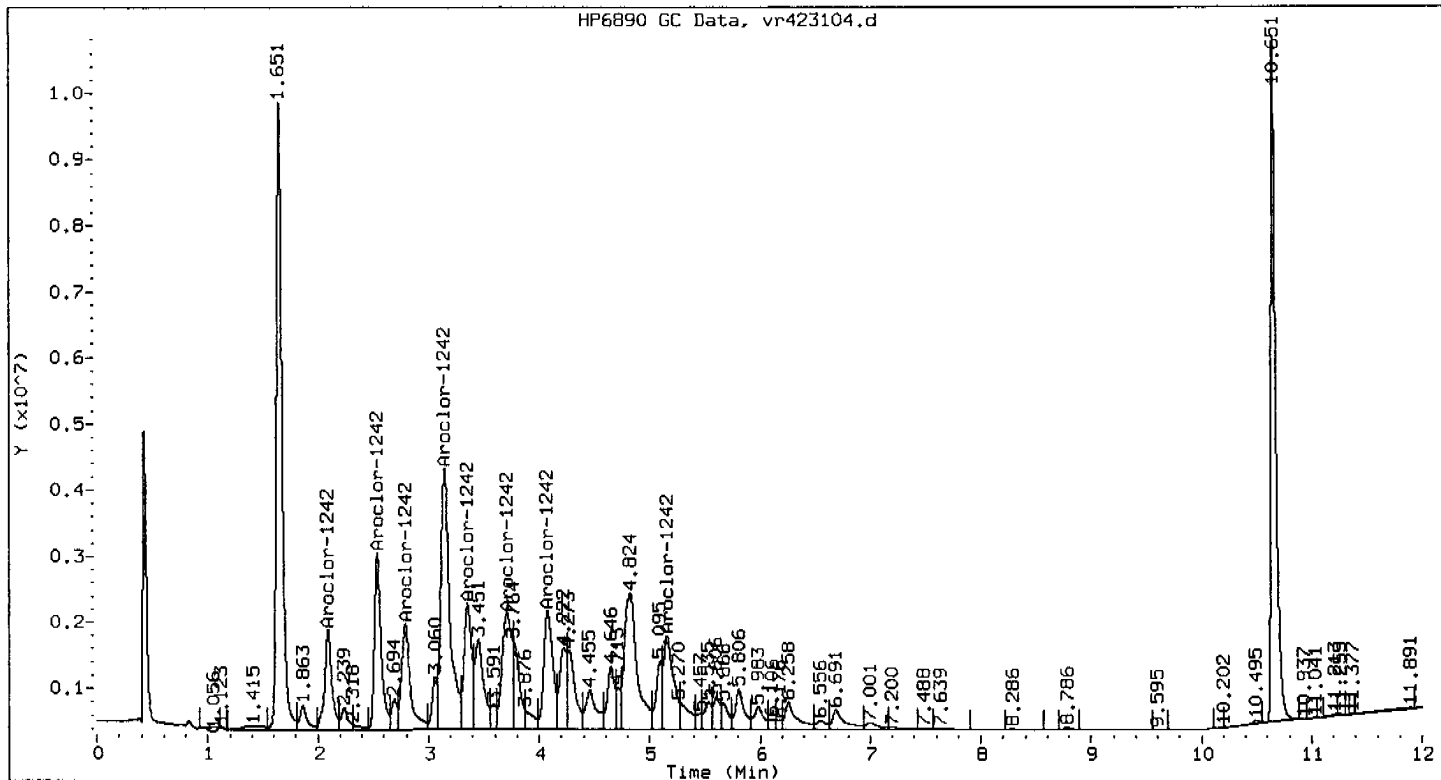
Compound	Midpoint Standard
	Response Factor
Aroclor-1242	6689.88
2	11296.45
3	8718.14
4	22289.73
5	9461.60
6	10378.35
7	10288.27
8	8720.36

Report Path:

Report Name:

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1242L3\_00001A  
 Lab ID : SG1242L3\_00001A  
 Inj Date : 15-AUG-2007 14:19  
 Operator : 615  
 Cpnd Sublist: AR12420 *AS-16-07*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1242 (M)	2.092	2.092	0.000	6689877	1000.000	1000.000
(2)	2.540	2.540	0.000	11296446	1000.000	1000.000
(3)	2.794	2.794	0.000	8718142	1000.000	1000.000
(4)	3.147	3.147	0.000	22289726	1000.000	1000.000
(5)	3.352	3.352	0.000	9461597	1000.000	1000.000
(6)	3.712	3.712	0.000	10378349	1000.000	1000.000
(7)	4.075	4.075	0.000	10288267	1000.000	1000.000
(8)	5.157	5.157	0.000	8720358	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/vf423104.d

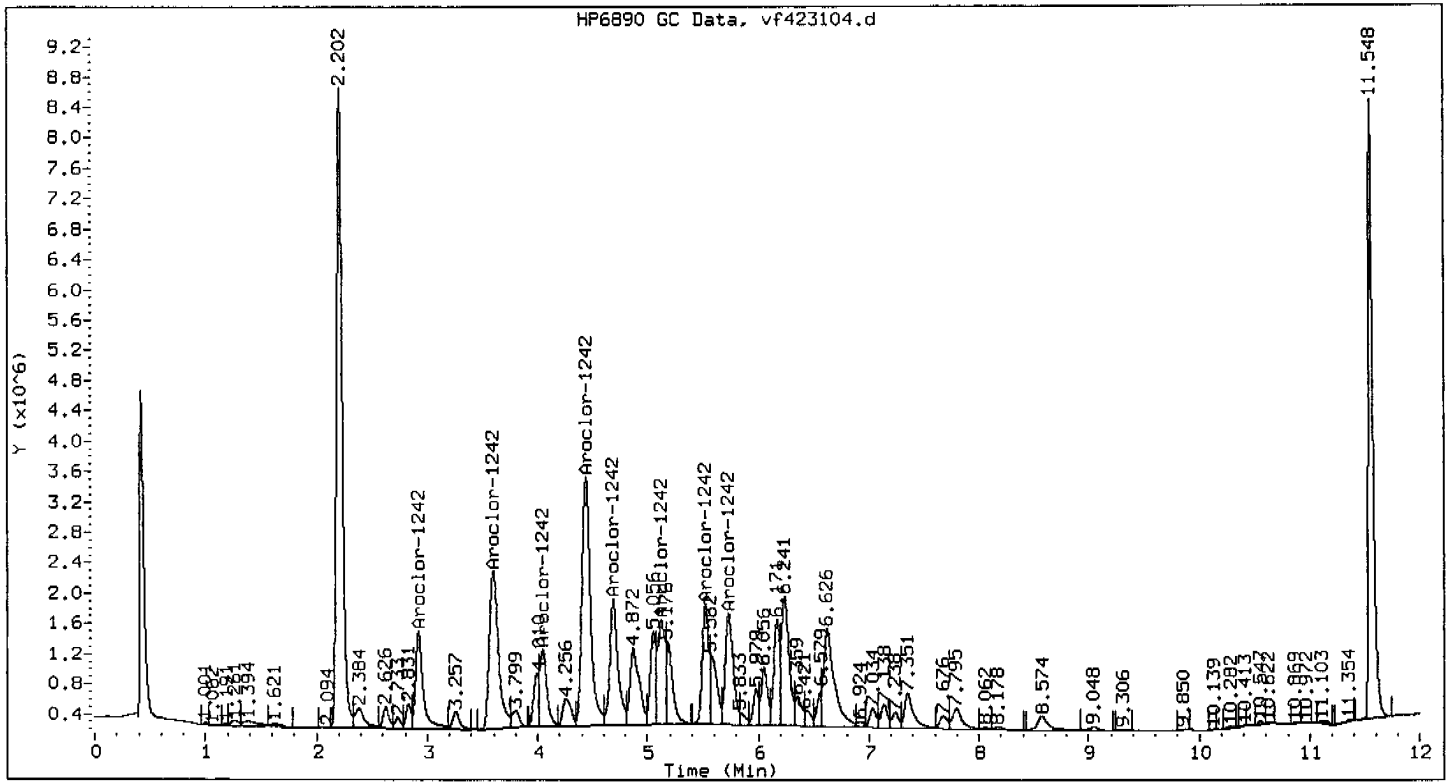
Compound	Midpoint Standard	Response Factor
Aroclor-1242		6094.61
	2	12008.41
	3	4767.13
	4	18160.20
	5	8873.46
	6	6051.20
	7	6324.09
	8	7582.57

Integration of Peak

Integration of Peak

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06VF8082.m  
 Sample Info : SG1242L3\_00001A  
 Lab ID : SG1242L3\_00001A  
 Inj Date : 15-AUG-2007 14:19  
 Operator : 615  
 Cpnd Sublist: AR12420

8-16-07

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1242	(M) 2.921	2.921	0.000	6094606	1000.000	1000.000
(2)	3.598	3.598	0.000	12008409	1000.000	1000.000
(3)	4.047	4.047	0.000	4767127	1000.000	1000.000
(4)	4.441	4.441	0.000	18160196	1000.000	1000.000
(5)	4.689	4.689	0.000	8873462	1000.000	1000.000
(6)	5.125	5.125	0.000	6051197	1000.000	1000.000
(7)	5.518	5.518	0.000	6324085	1000.000	1000.000
(8)	5.729	5.729	0.000	7582571	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423105.d

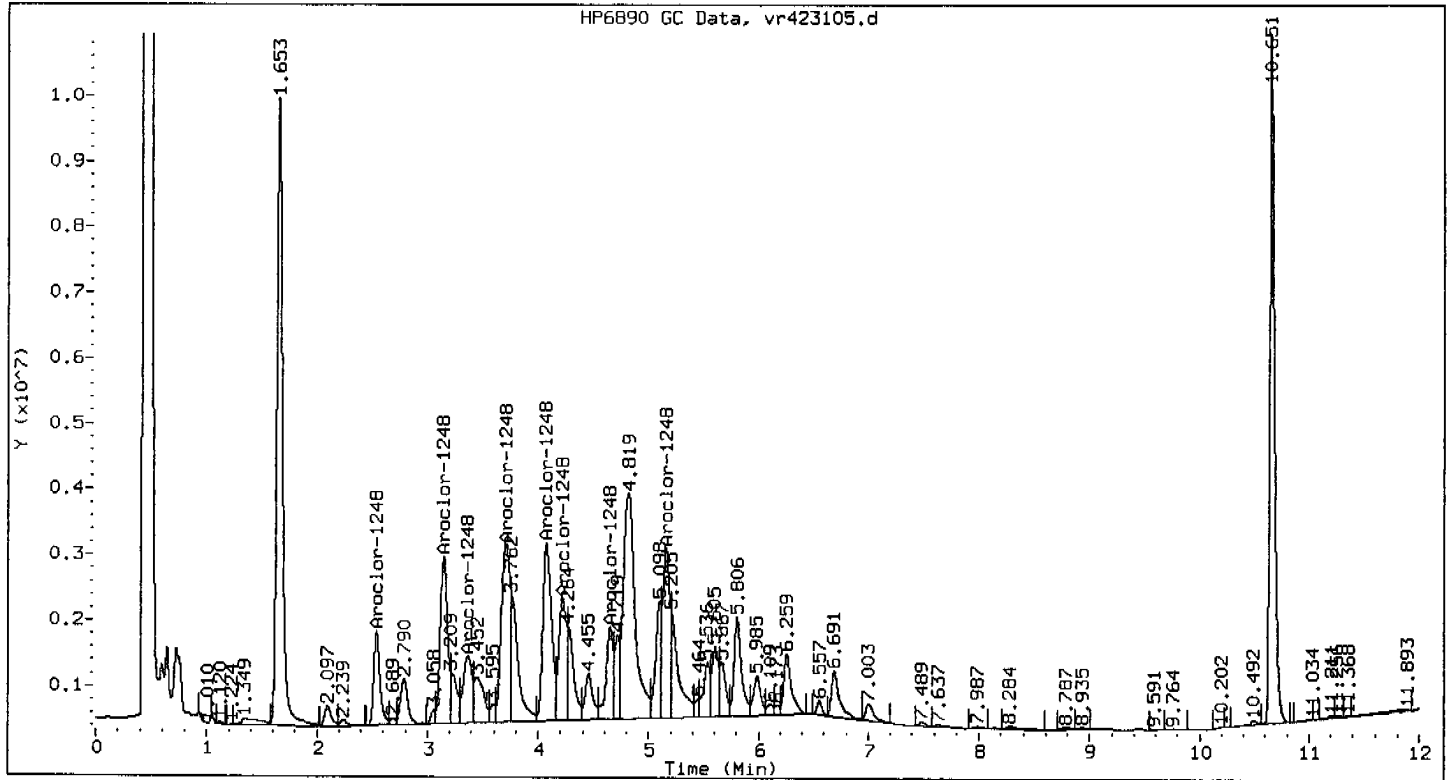
Compound	Midpoint Standard	Response Factor
Aroclor-1248	1	5717.78
	2	11855.22
	3	5820.77
	4	15357.45
	5	14541.22
	6	8634.88
	7	6100.15
	8	11496.31

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Comments:

+... Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1248L3\_00001A  
 Lab ID : SG1248L3\_00001A  
 Inj Date : 15-AUG-2007 14:34  
 Operator : 615  
 Cpnd Sublist: AR12480

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M) 2.539	2.539	0.000	5717785	1000.000	1000.000
(2)	3.145	3.145	0.000	11855221	1000.000	1000.000
(3)	3.363	3.363	0.000	5820773	1000.000	1000.000
(4)	3.709	3.709	0.000	15357453	1000.000	1000.000
(5)	4.073	4.073	0.000	14541217	1000.000	1000.000
(6)	4.219	4.219	0.000	8634881	1000.000	1000.000
(7)	4.647	4.647	0.000	6100153	1000.000	1000.000
(8)	5.158	5.158	0.000	11496308	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/vf423105.d

Compound	Midpoint Standard	Response Factor
Aroclor-1248		6196.63
	2	11919.15
	3	2646.36
	4	8489.48
	5	11493.96
	6	12708.50
	7	9728.44
	8	15997.55

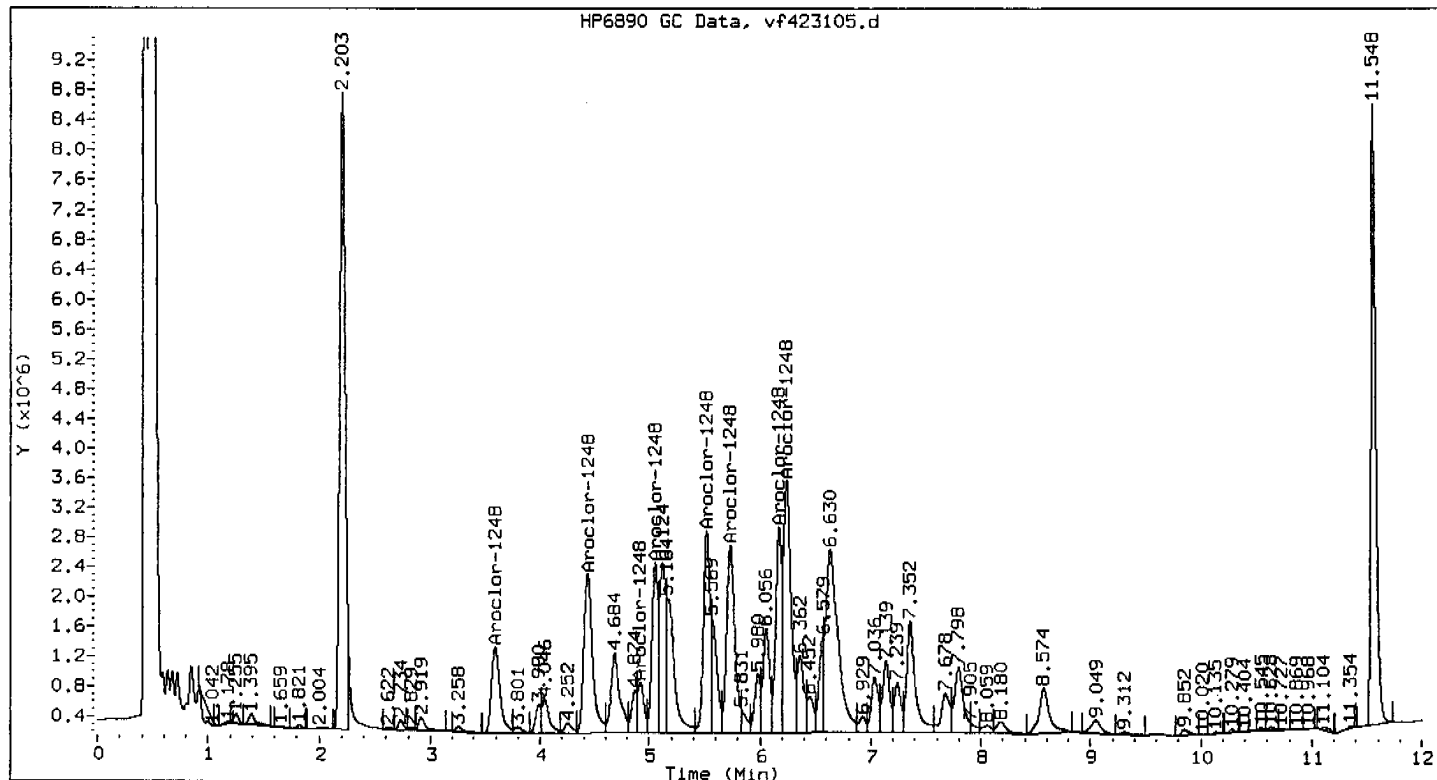
By: [unclear]

Date: [unclear]

Comments:

+ = Multi-component peak not used in calibration of compound.





Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1248L3\_00001A  
 Lab ID : SG1248L3\_00001A  
 Inj Date : 15-AUG-2007 14:34  
 Operator : 615  
 Cpnd Sublist: AR12480

*BE-16-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1248	(M)	3.595	3.595	0.000	6196632	1000.000
(2)		4.438	4.438	0.000	11919145	1000.000
(3)		4.922	4.922	0.000	2646365	1000.000
(4)		5.056	5.056	0.000	8489482	1000.000
(5)		5.519	5.519	0.000	11493957	1000.000
(6)		5.729	5.729	0.000	12708504	1000.000
(7)		6.172	6.172	0.000	9728436	1000.000
(8)		6.241	6.241	0.000	15997549	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423106.d

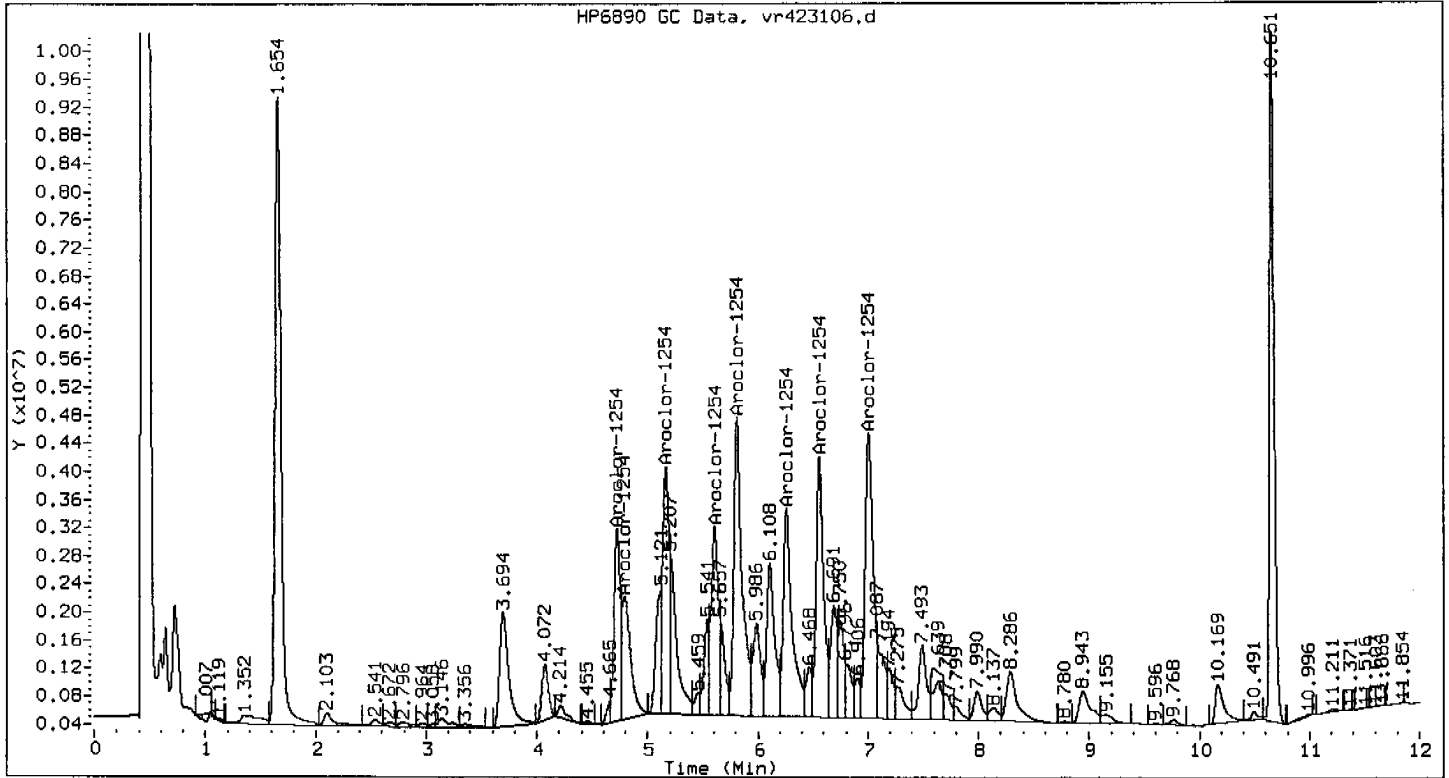
Compound	Midpoint Standard	Response Factor
Aroclor-1254		11100.29
	2	9077.10
	3	14560.55
	4	11916.86
	5	22198.70
	6	17050.89
	7	17360.50
	8	20693.31

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423106.d

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1254L3\_00001A  
 Lab ID : SG1254L3\_00001A  
 Inj Date : 15-AUG-2007 14:49  
 Operator : 615  
 Cpnd Sublist: ARI2540 *615-6-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M) 4.725	4.725	0.000	11100290	1000.000	1000.000
(2)	4.795	4.795	0.000	9077105	1000.000	1000.000
(3)	5.163	5.163	0.000	14560551	1000.000	1000.000
(4)	5.607	5.607	0.000	11916861	1000.000	1000.000
(5)	5.808	5.808	0.000	22198703	1000.000	1000.000
(6)	6.259	6.259	0.000	17050893	1000.000	1000.000
(7)	6.559	6.559	0.000	17360498	1000.000	1000.000
(8)	7.005	7.005	0.000	20693305	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i

Column ID: StxCLP2

Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/vf423106.d

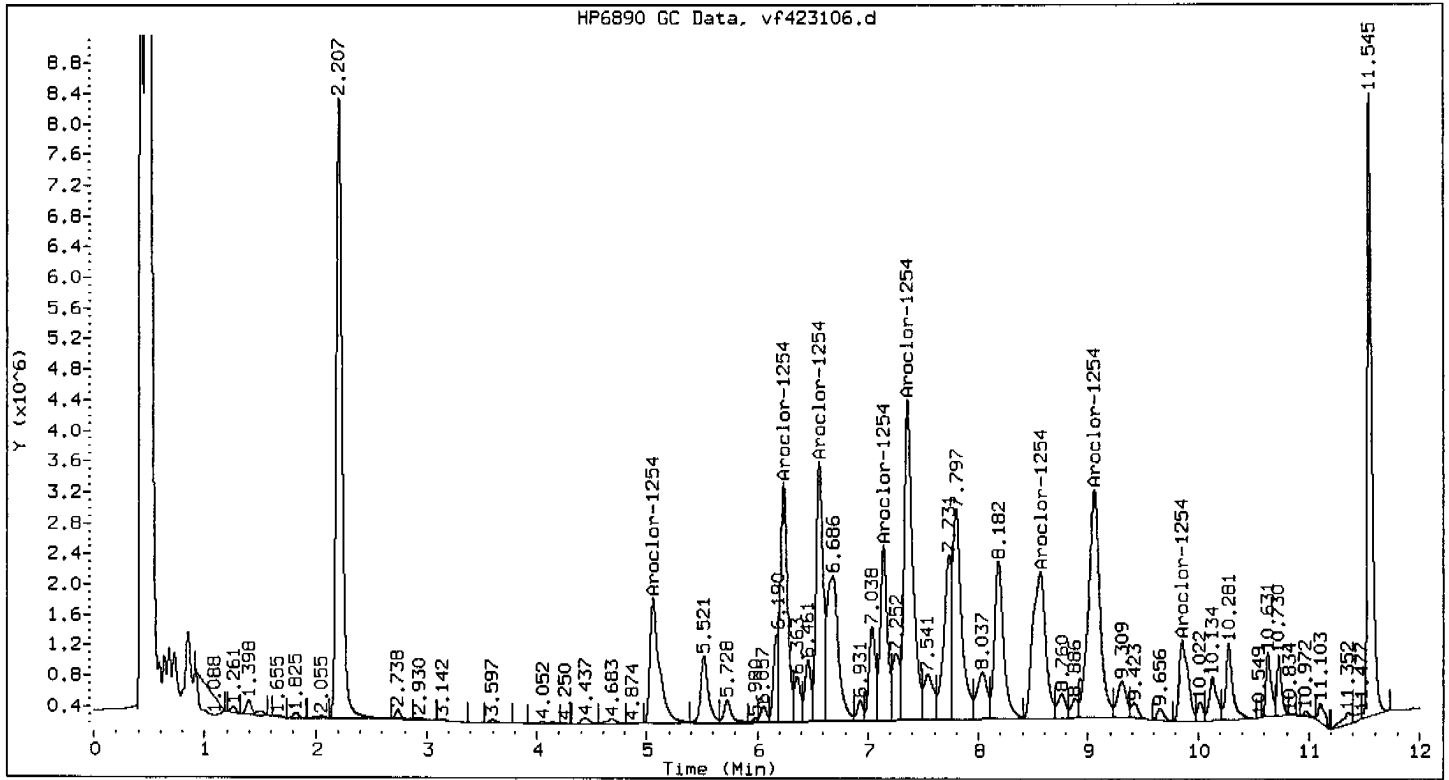
Compound	Midpoint Standard	Response Factor
Aroclor-1254		9698.00
	2	14320.08
	3	14450.17
	4	9857.64
	5	22929.34
	6	15627.34
	7	21309.81
	8	5853.75

Standard Calibration

File: /chem1/PESTGC9

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1254L3\_00001A  
 Lab ID : SG1254L3\_00001A  
 Inj Date : 15-AUG-2007 14:49  
 Operator : 615  
 Cpnd Sublist: AR12540

*8-16-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1254	(M) 5.059	5.059	0.000	9697997	1000.000	1000.000
(2)	6.237	6.237	0.000	14320085	1000.000	1000.000
(3)	6.563	6.563	0.000	14450173	1000.000	1000.000
(4)	7.142	7.142	0.000	9857635	1000.000	1000.000
(5)	7.355	7.355	0.000	22929343	1000.000	1000.000
(6)	8.563	8.563	0.000	15627337	1000.000	1000.000
(7)	9.056	9.056	0.000	21309812	1000.000	1000.000
(8)	9.856	9.856	0.000	5853749	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423107.d

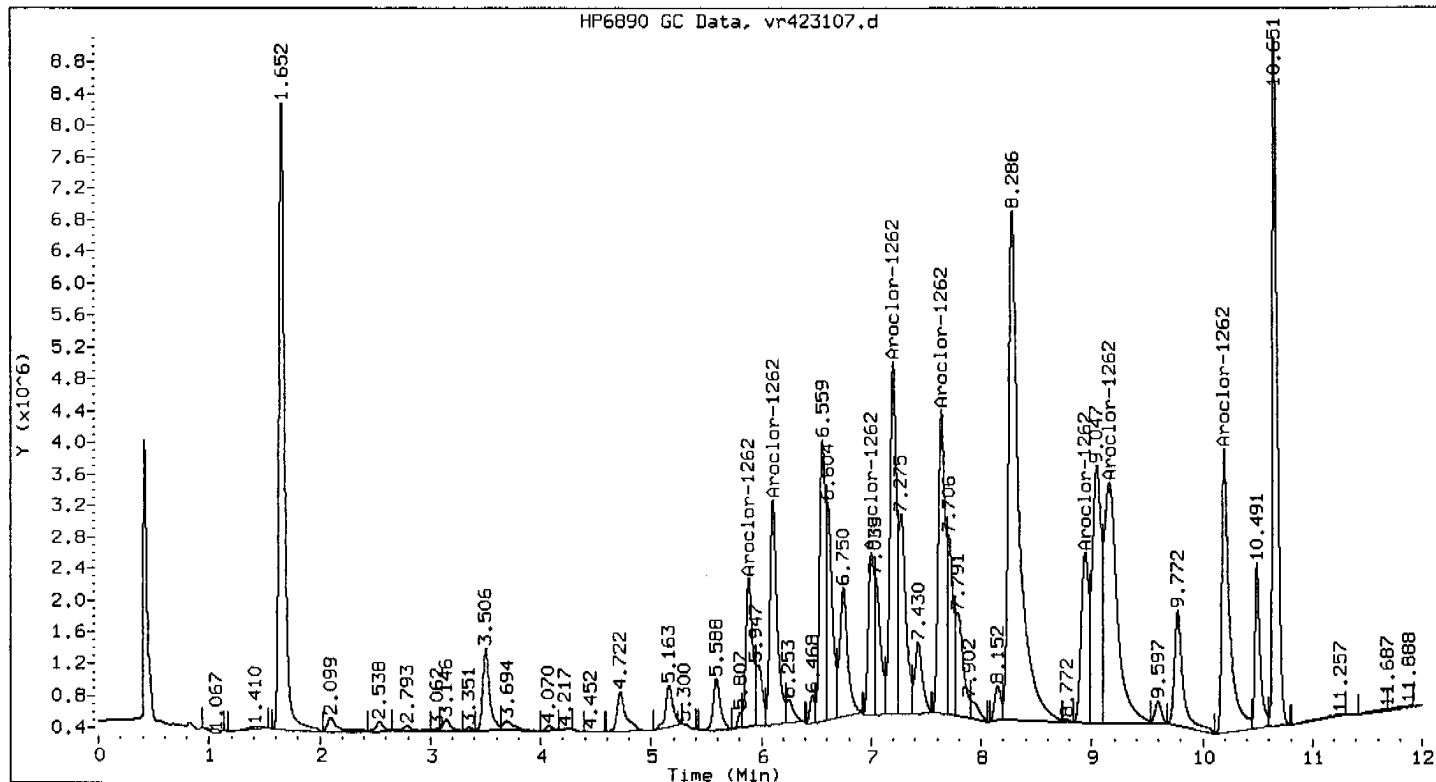
Compound	Midpoint Standard	Response Factor
Aroclor-1262	8051.62	
2	12861.89	
3	7410.97	
4	18726.48	
5	16976.84	
6	9986.13	
7	24534.50	
8	17131.11	

Sample Name:

Sample ID:

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1262L3\_00002A  
 Lab ID : SG1262L3\_00002A  
 Inj Date : 15-AUG-2007 15:05  
 Operator : 615  
 Cpnd Sublist: AR12620

158-16-07

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1262	(M) 5.882	5.882	0.000	8051623	1000.000	1000.000
(2)	6.107	6.107	0.000	12861886	1000.000	1000.000
(3)	7.002	7.002	0.000	7410967	1000.000	1000.000
(4)	7.201	7.201	0.000	18726482	1000.000	1000.000
(5)	7.641	7.641	0.000	16976837	1000.000	1000.000
(6)	8.942	8.942	0.000	9986128	1000.000	1000.000
(7)	9.158	9.158	0.000	24534499	1000.000	1000.000
(8)	10.197	10.197	0.000	17131107	1000.000	1000.000

Average of peak concentrations: 1000.00

COMMENTS:

M - Compound response manually integrated.

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP2 Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/vf423107.d

Compound	Midpoint Standard
	Response Factor
Aroclor-1262	13390.78
2	15077.85
3	20838.88
4	17087.26
5	15980.70
6	19114.87
7	11177.77
8	3752.97

Report Date: 07/15/07

Printed At:

Comments:

+ = Multi-component peak not used in calibration of compound.

Reported:

1

2

3

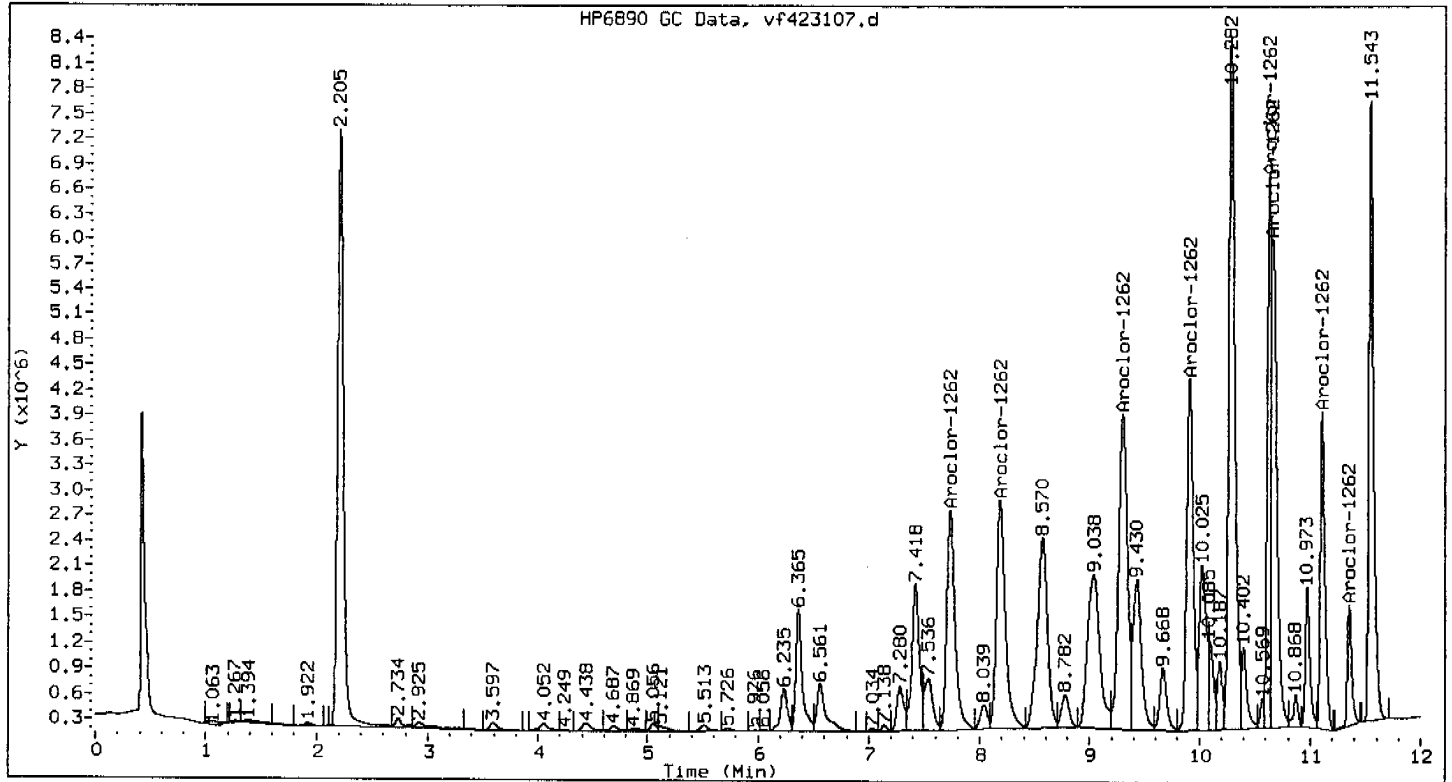
4

Report Date:

Reported:

Printed At:





Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1262L3\_00002A  
 Lab ID : SG1262L3\_00002A  
 Inj Date : 15-AUG-2007 15:05  
 Operator : 615  
 Cpnd Sublist: AR12620

*8-16-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1262	7.731	7.731	0.000	13390779	1000.000	1000.000
(2)	8.182	8.182	0.000	15077846	1000.000	1000.000
(3)	9.299	9.299	0.000	20838875	1000.000	1000.000
(4)	9.907	9.907	0.000	17087256	1000.000	1000.000
(5)	10.627	10.627	0.000	15980703	1000.000	1000.000
(6)	10.659	10.659	0.000	19114865	1000.000	1000.000
(7)	11.105	11.105	0.000	11177769	1000.000	1000.000
(8)	11.352	11.352	0.000	3752970	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCLP1 Primary Column

Midpoint Calibration File:

/chemi/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423108.d

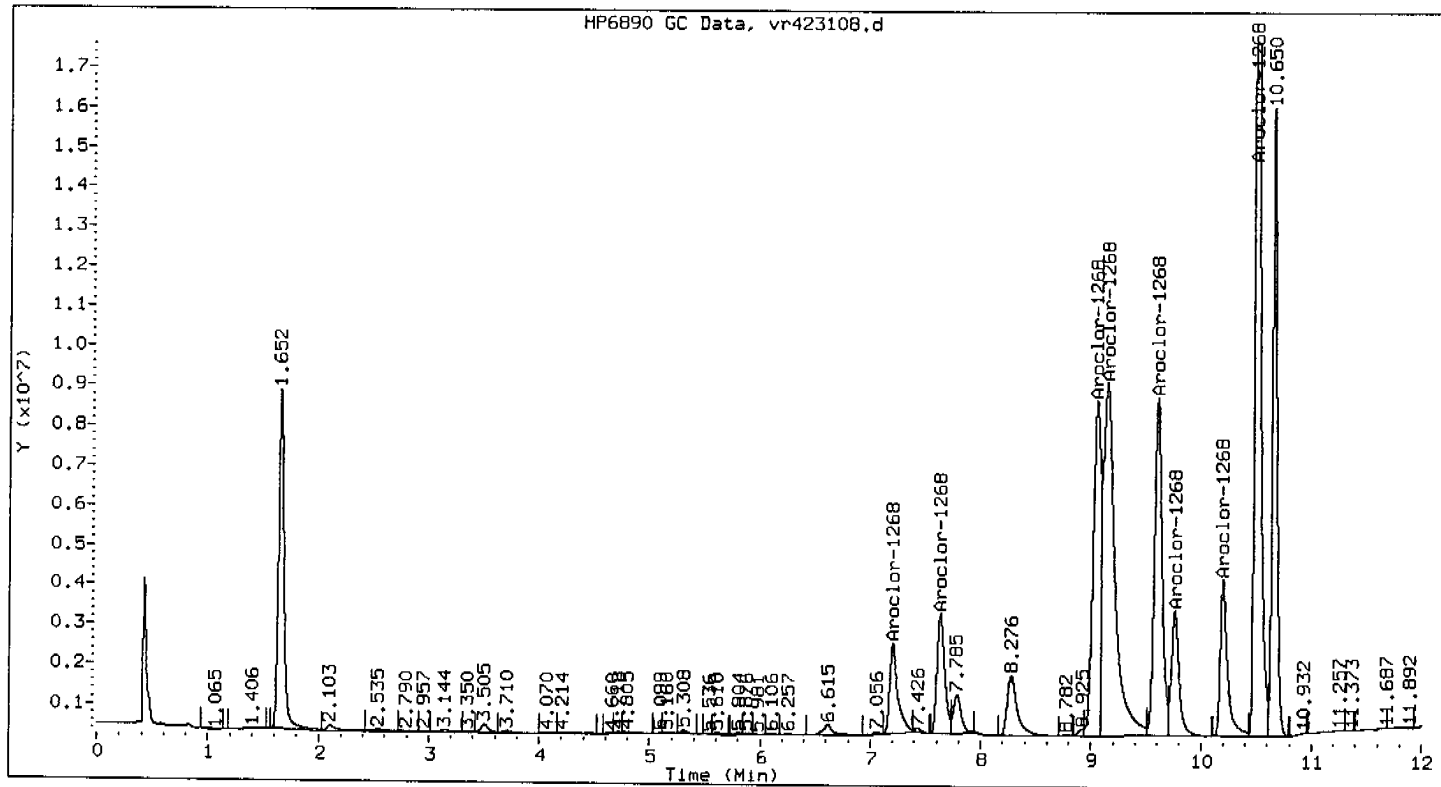
Compound	Midpoint Standard
	Response Factor
Aroclor-1268	11456.59
2	14084.32
3	41280.97
4	66687.57
5	40730.08
6	15316.02
7	17143.10
8	88579.97

Sample Name: 15aug07a

Sample ID: 8082

Comments:

+ Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/06Vr8082.m  
 Sample Info : SG1268L3\_00002A  
 Lab ID : SG1268L3\_00002A  
 Inj Date : 15-AUG-2007 15:20  
 Operator : 615  
 Cpnd Sublist: AR12680 *08-16-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1268	7.201	7.201	0.000	11456588	1000.000	1000.000
(2)	7.632	7.632	0.000	14084321	1000.000	1000.000
(3)	9.049	9.049	0.000	41280972	1000.000	1000.000
(4)	9.145	9.145	0.000	66687569	1000.000	1000.000
(5)	9.599	9.599	0.000	40730079	1000.000	1000.000
(6)	9.759	9.759	0.000	15316016	1000.000	1000.000
(7)	10.195	10.195	0.000	17143097	1000.000	1000.000
(8)	10.490	10.490	0.000	88579970	1000.000	1000.000

Average of peak concentrations: 1000.00

GC ORGANICS SINGLE POINT CALIBRATION SUMMARY

Instrument ID: PESTGC9.i Column ID: StxCPL2 Confirmatory Column

Midpoint Calibration File:

/chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/vf423108.d

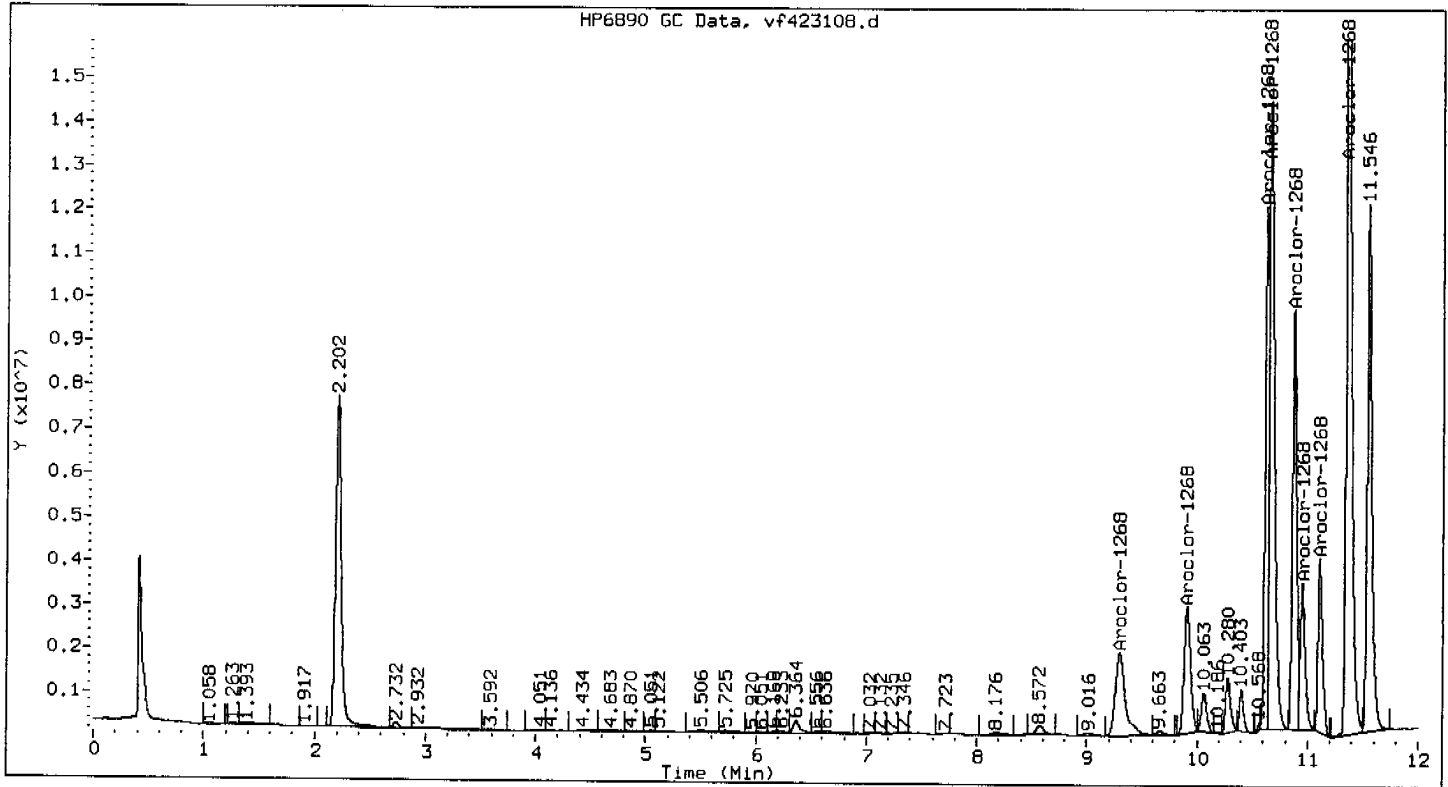
Compound	Midpoint Standard	Response Factor
Aroclor-1268		11475.57
	2	11803.98
	3	22338.68
	4	47673.65
	5	25034.16
	6	9921.38
	7	11044.13
	8	67290.55

Midpoint Calibration

GC ORGANICS

Comments:

+ = Multi-component peak not used in calibration of compound.



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/06Vf8082.m  
 Sample Info : SG1268L3\_00002A  
 Lab ID : SG1268L3\_00002A  
 Inj Date : 15-AUG-2007 15:20  
 Operator : 615  
 Cpnd Sublist: AR12680 *8-16-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1268	9.297	9.297	0.000	11475570	1000.000	1000.000
(2)	9.905	9.905	0.000	11803980	1000.000	1000.000
(3)	10.623	10.623	0.000	22338677	1000.000	1000.000
(4)	10.661	10.661	0.000	47673652	1000.000	1000.000
(5)	10.870	10.870	0.000	25034161	1000.000	1000.000
(6)	10.951	10.951	0.000	9921384	1000.000	1000.000
(7)	11.105	11.105	0.000	11044130	1000.000	1000.000
(8)	11.354	11.354	0.000	67290555	1000.000	1000.000

Average of peak concentrations: 1000.00

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/vr423266.d  
 Method: /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m

Sample Information: SG1660L3\_00002B  
 Injection Date: 20-AUG-2007 11:42

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.095	1000	978.37	2.16
Aroclor-1016	2	2.541	1000	984.84	1.52
Aroclor-1016	3	2.795	1000	981.58	1.84
Aroclor-1016	4	3.149	1000	972.02	2.80
Aroclor-1016	5	3.354	1000	983.88	1.61
Aroclor-1016	6	3.452	1000	1075.41	7.54
Aroclor-1016	7	4.075	1000	954.94	4.51
Aroclor-1016	8	4.222	1000	948.24	5.18

Aroclor-1260	1	6.107	1000	977.94	2.21
Aroclor-1260	2	6.558	1000	981.00	1.90
Aroclor-1260	3	7.004	1000	1004.71	0.47
Aroclor-1260	4	7.200	1000	986.99	1.30
Aroclor-1260	5	7.641	1000	990.44	0.96
Aroclor-1260	6	8.944	1000	1049.10	4.91
Aroclor-1260	7	9.159	1000	1031.27	3.13
Aroclor-1260	8	10.195	1000	995.88	0.41

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	1.656	100	106.89	6.89
Decachlorobiphenyl(sur	10.650	100	93.34	6.66

## GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

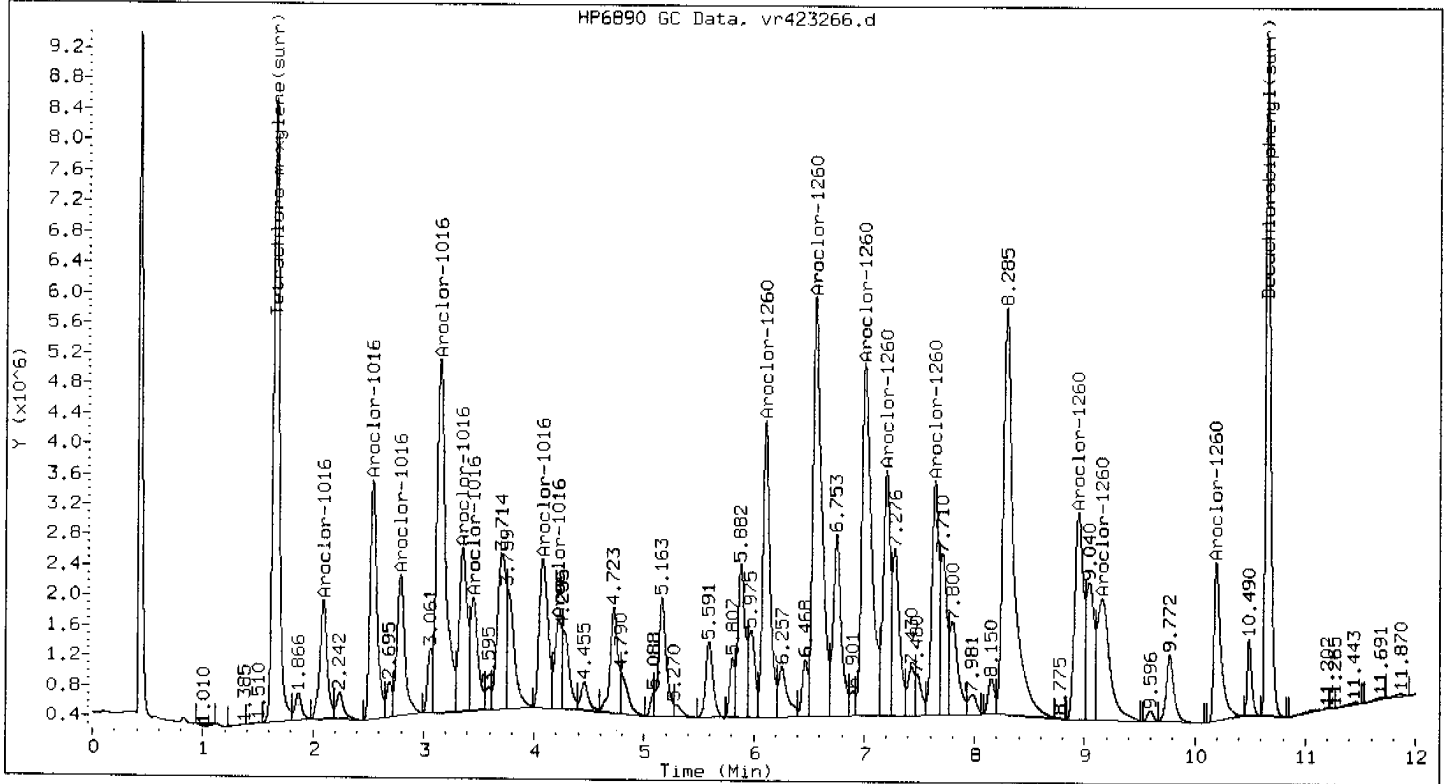
Midpoint Calibration File: /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423099.d

Injection Date: 15-AUG-2007 13:02

Continuing Calibration File: /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/vr423266.d

Injection Date: 20-AUG-2007 11:42

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.089	( 2.019 - 2.159 )	2.095	
	2.537	( 2.467 - 2.607 )	2.541	
	2.792	( 2.722 - 2.862 )	2.795	
	3.146	( 3.076 - 3.216 )	3.149	
	3.351	( 3.281 - 3.421 )	3.354	
	3.458	( 3.388 - 3.528 )	3.452	
	4.073	( 4.003 - 4.143 )	4.075	
	4.219	( 4.149 - 4.289 )	4.222	
-----				
Aroclor-1260	6.108	( 6.038 - 6.178 )	6.107	
	6.559	( 6.489 - 6.629 )	6.558	
	7.004	( 6.934 - 7.074 )	7.004	
	7.202	( 7.132 - 7.272 )	7.200	
	7.642	( 7.572 - 7.712 )	7.641	
	8.944	( 8.874 - 9.014 )	8.944	
	9.162	( 9.092 - 9.232 )	9.159	
	10.196	(10.126 - 10.266 )	10.195	
-----				
Tetrachloro-m-xylene (surr)	1.649	( 1.599 - 1.699 )	1.656	
-----				
Decachlorobiphenyl (surr)	10.653	(10.553 - 10.753 )	10.650	
-----				



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : SG1660L3\_00002B  
 Lab ID : SG1660L3\_00002B  
 Inj Date : 20-AUG-2007 11:42  
 Operator : 615  
 Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CCALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.095	2.095	0.000	7193170	978.375	978.375
(2)	2.541	2.541	0.000	13711226	984.840	984.840
(3)	2.795	2.795	0.000	9401282	981.575	981.575
(4)	3.149	3.149	0.000	26224197	972.021	972.021
(5)	3.354	3.354	0.000	10931133	983.883	983.883
(6)	3.452	3.452	0.000	7450246	1075.414	1075.414
(7)	4.075	4.075	0.000	10691666	954.935	954.935
(8)	4.222	4.222	0.000	5071265	948.240	948.240
Average of peak concentrations:					980.00	
Aroclor-1260 (M)	6.107	6.107	0.000	17838393	977.936	977.936
(2)	6.558	6.558	0.000	30510553	980.999	980.999
(3)	7.004	7.004	0.000	28597279	1004.706	1004.706
(4)	7.200	7.200	0.000	14271666	986.994	986.994
(5)	7.641	7.641	0.000	13466153	990.442	990.442
(6)	8.944	8.944	0.000	14654268	1049.096	1049.096



Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	9.159	9.159	0.000	12971869	1031.269	1031.269
(8)	10.195	10.195	0.000	9117182	995.883	995.883
Average of peak concentrations:						1000.00
Tetrachloro-m-xylene(surr)	1.656	1.656	0.000	31729971	106.893	106.893
Decachlorobiphenyl(surr)	10.650	10.650	0.000	27433683	93.340	93.340

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/vf423266.d  
 Method: /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/06Vf8082.m

Sample Information: SG1660L3\_00002B  
 Injection Date: 20-AUG-2007 11:42

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.918	1000	1044.17	4.42
Aroclor-1016	2	3.595	1000	956.66	4.33
Aroclor-1016	3	4.044	1000	1022.37	2.24
Aroclor-1016	4	4.438	1000	1007.75	0.78
Aroclor-1016	5	4.686	1000	1014.29	1.43
Aroclor-1016	6	5.122	1000	1067.12	6.71
Aroclor-1016	7	5.515	1000	982.05	1.79
Aroclor-1016	8	5.725	1000	941.30	5.87

Aroclor-1260	1	7.725	1000	913.44	8.66
Aroclor-1260	2	8.176	1000	920.04	8.00
Aroclor-1260	3	9.042	1000	915.83	8.42
Aroclor-1260	4	9.293	1000	892.51	10.75
Aroclor-1260	5	9.423	1000	871.59	12.84
Aroclor-1260	6	9.902	1000	969.17	3.08
Aroclor-1260	7	10.627	1000	876.77	12.32
Aroclor-1260	8	11.094	1000	861.54	13.85

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.202	100	105.03	5.03
Decachlorobiphenyl(sur	11.524	100	89.73	10.27

## GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

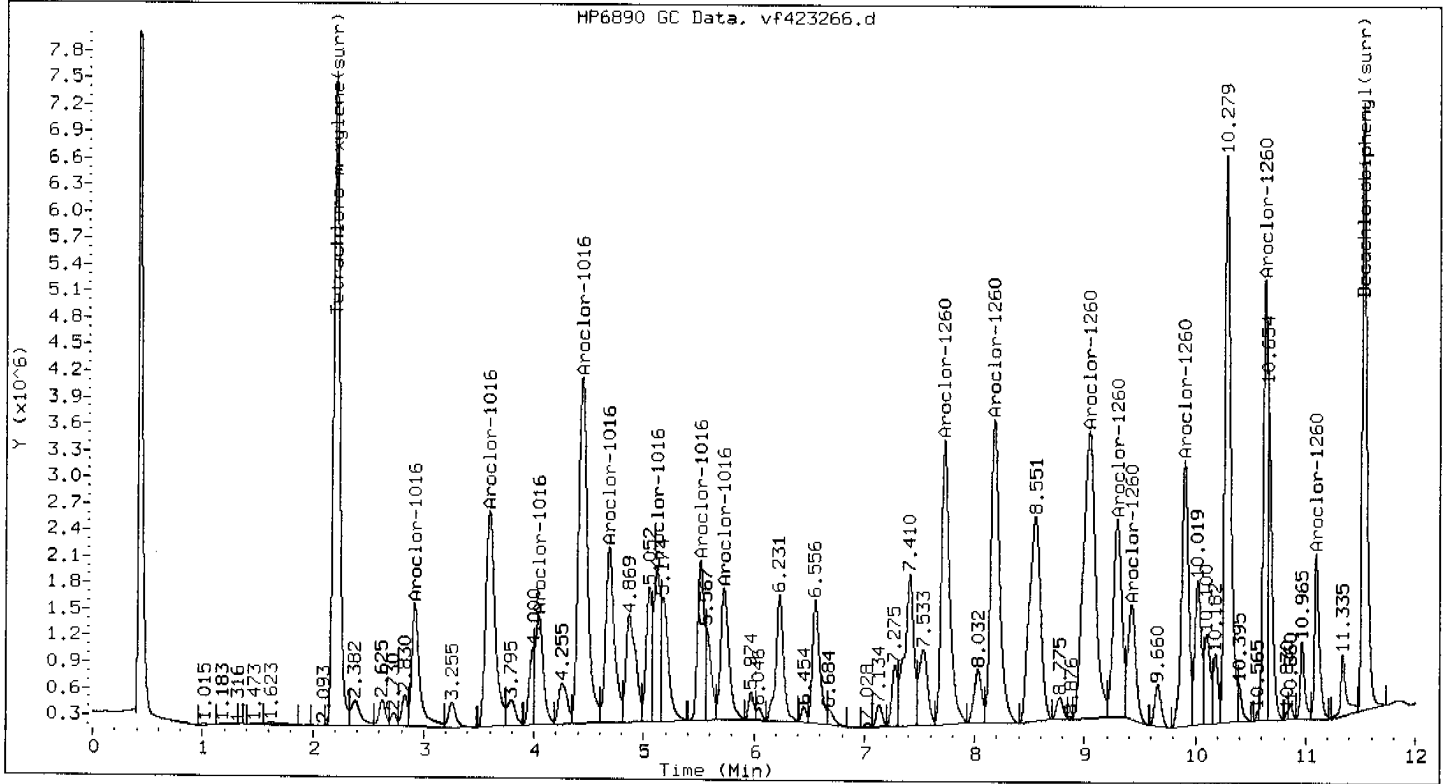
Midpoint Calibration File: /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/vf423099.d

Injection Date: 15-AUG-2007 13:02

Continuing Calibration File: /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/vf423266.d

Injection Date: 20-AUG-2007 11:42

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.919	( 2.849 - 2.989 )	2.918	
	3.598	( 3.528 - 3.668 )	3.595	
	4.048	( 3.978 - 4.118 )	4.044	
	4.440	( 4.370 - 4.510 )	4.438	
	4.689	( 4.619 - 4.759 )	4.686	
	5.125	( 5.055 - 5.195 )	5.122	
	5.519	( 5.449 - 5.589 )	5.515	
	5.729	( 5.659 - 5.799 )	5.725	
-----				
Aroclor-1260	7.731	( 7.661 - 7.801 )	7.725	
	8.183	( 8.113 - 8.253 )	8.176	
	9.051	( 8.981 - 9.121 )	9.042	
	9.300	( 9.230 - 9.370 )	9.293	
	9.430	( 9.360 - 9.500 )	9.423	
	9.908	( 9.838 - 9.978 )	9.902	
	10.633	(10.563 - 10.703 )	10.627	
	11.111	(11.041 - 11.181 )	11.094	
-----				
Tetrachloro-m-xylene (surr)	2.200	( 2.150 - 2.250 )	2.202	
-----				
Decachlorobiphenyl (surr)	11.557	(11.457 - 11.657 )	11.524	
-----				



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/06Vf8082.m  
 Sample Info : SG1660L3\_00002B  
 Lab ID : SG1660L3\_00002B  
 Inj Date : 20-AUG-2007 11:42  
 Operator : 615  
 Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CCALIB\_3

*BS-24-07*

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.918	2.918	0.000	6960229	1044.174	1044.174
(2)	3.595	3.595	0.000	14317463	956.658	956.658
(3)	4.044	4.044	0.000	6197037	1022.375	1022.375
(4)	4.438	4.438	0.000	22457896	1007.750	1007.750
(5)	4.686	4.686	0.000	10962086	1014.287	1014.287
(6)	5.122	5.122	0.000	7435786	1067.117	1067.117
(7)	5.515	5.515	0.000	7644626	982.052	982.052
(8)	5.725	5.725	0.000	7835746	941.300	941.300

Average of peak concentrations:

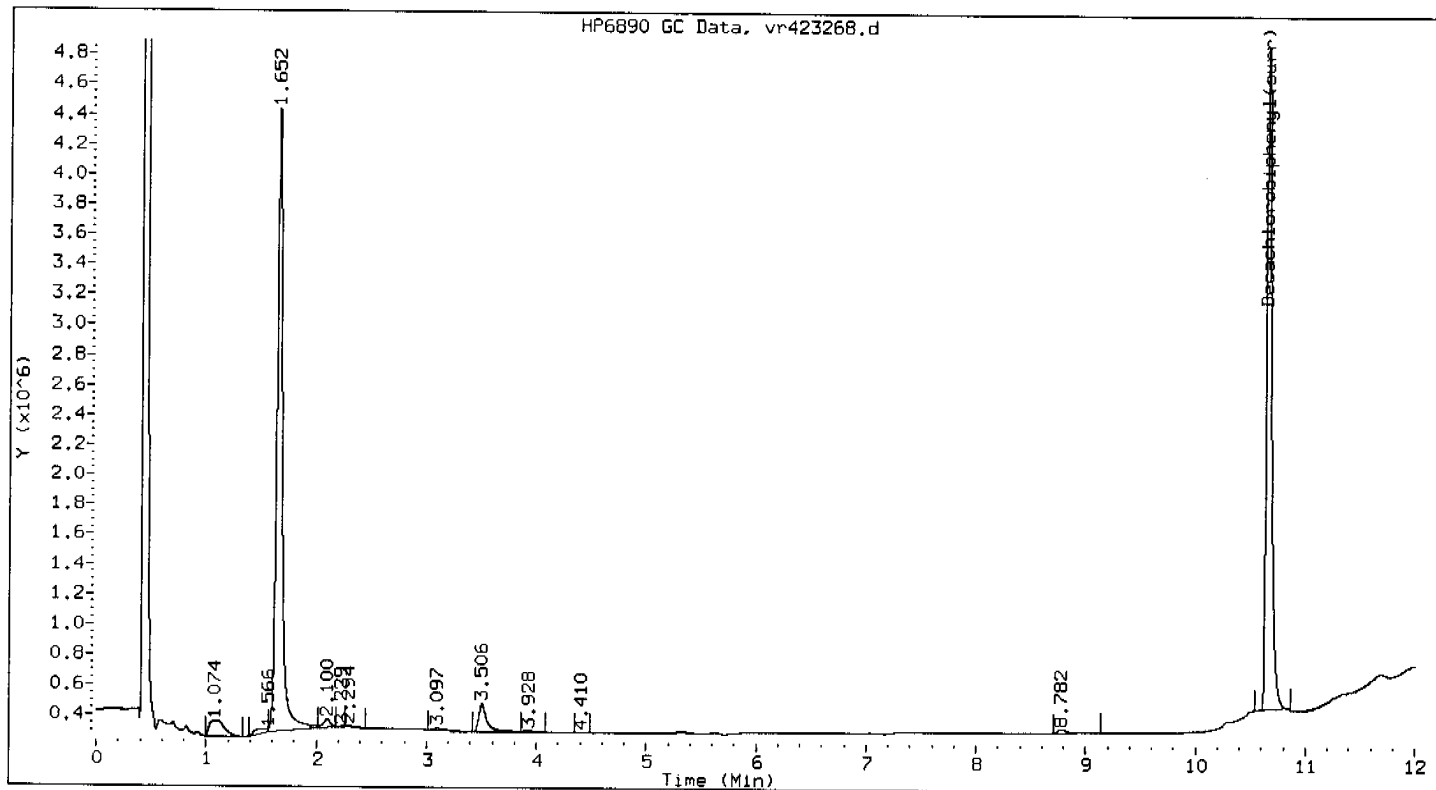
1000.00

Aroclor-1260 (M)	7.725	7.725	0.000	17047269	913.444	913.444
(2)	8.176	8.176	0.000	19158572	920.042	920.042
(3)	9.042	9.042	0.000	24613236	915.829	915.829
(4)	9.293	9.293	0.000	12059010	892.512	892.512
(5)	9.423	9.423	0.000	6515429	871.587	871.587
(6)	9.902	9.902	0.000	12950866	969.173	969.173

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
=====	=====	=====	=====	=====	=====	=====
(7)	10.627	10.627	0.000	13432032	876.772	876.772
(8)	11.094	11.094	0.000	5568830	861.535	861.535
Average of peak concentrations:						900.00
-----	-----	-----	-----	-----	-----	-----
Tetrachloro-m-xylene(surr)	2.202	2.202	0.000	28559606	105.030	105.030
-----	-----	-----	-----	-----	-----	-----
Decachlorobiphenyl(surr)	11.524	11.524	0.000	19798104	89.733	89.733
-----	-----	-----	-----	-----	-----	-----

COMMENTS:

M - Compound response manually integrated.

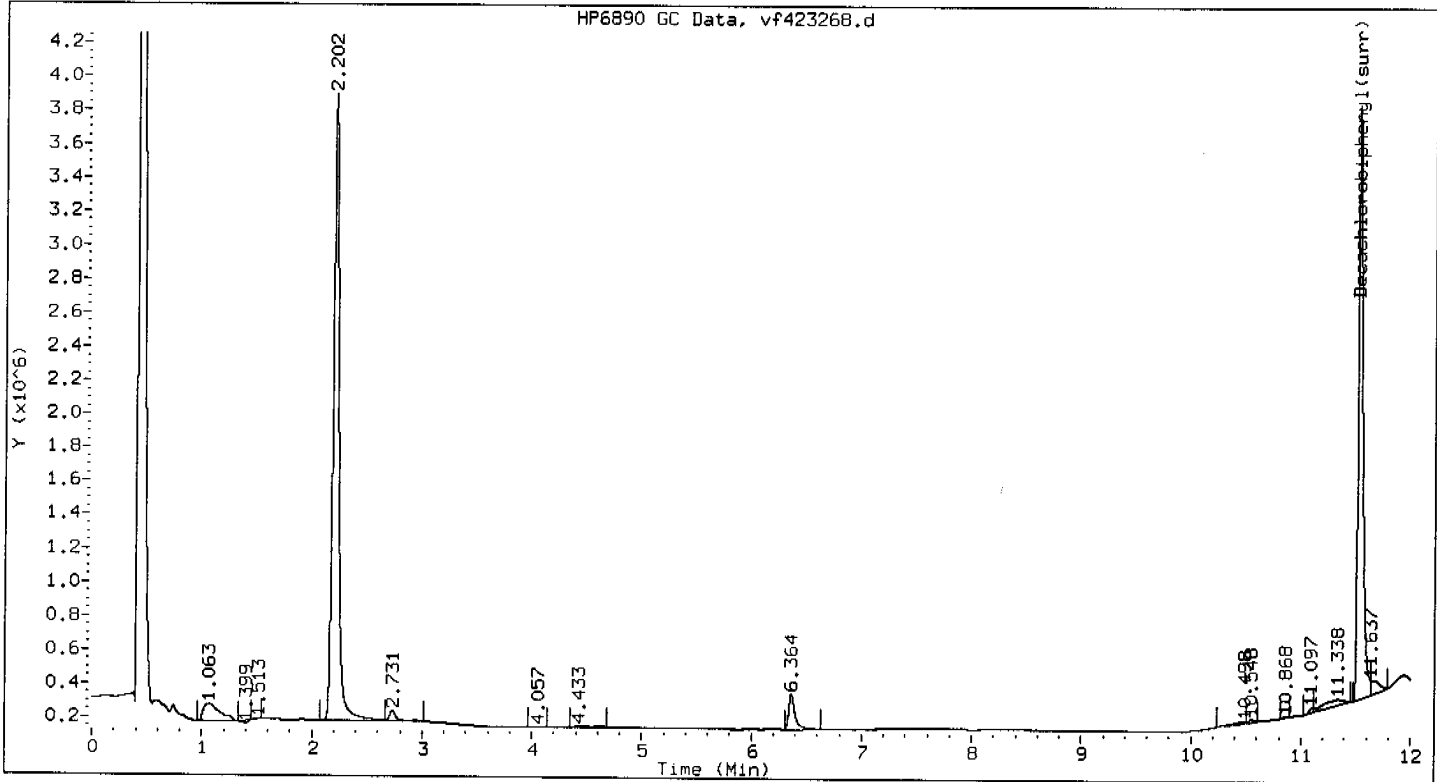


Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : SP230X;MB73507  
 Lab ID : SP230X  
 Inj Date : 20-AUG-2007 12:31  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *SF 24-07*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl(surr)	(M) 10.650	10.650	0.000	14708274	50.043	33.362

COMMENTS:

M - Compound response manually integrated.



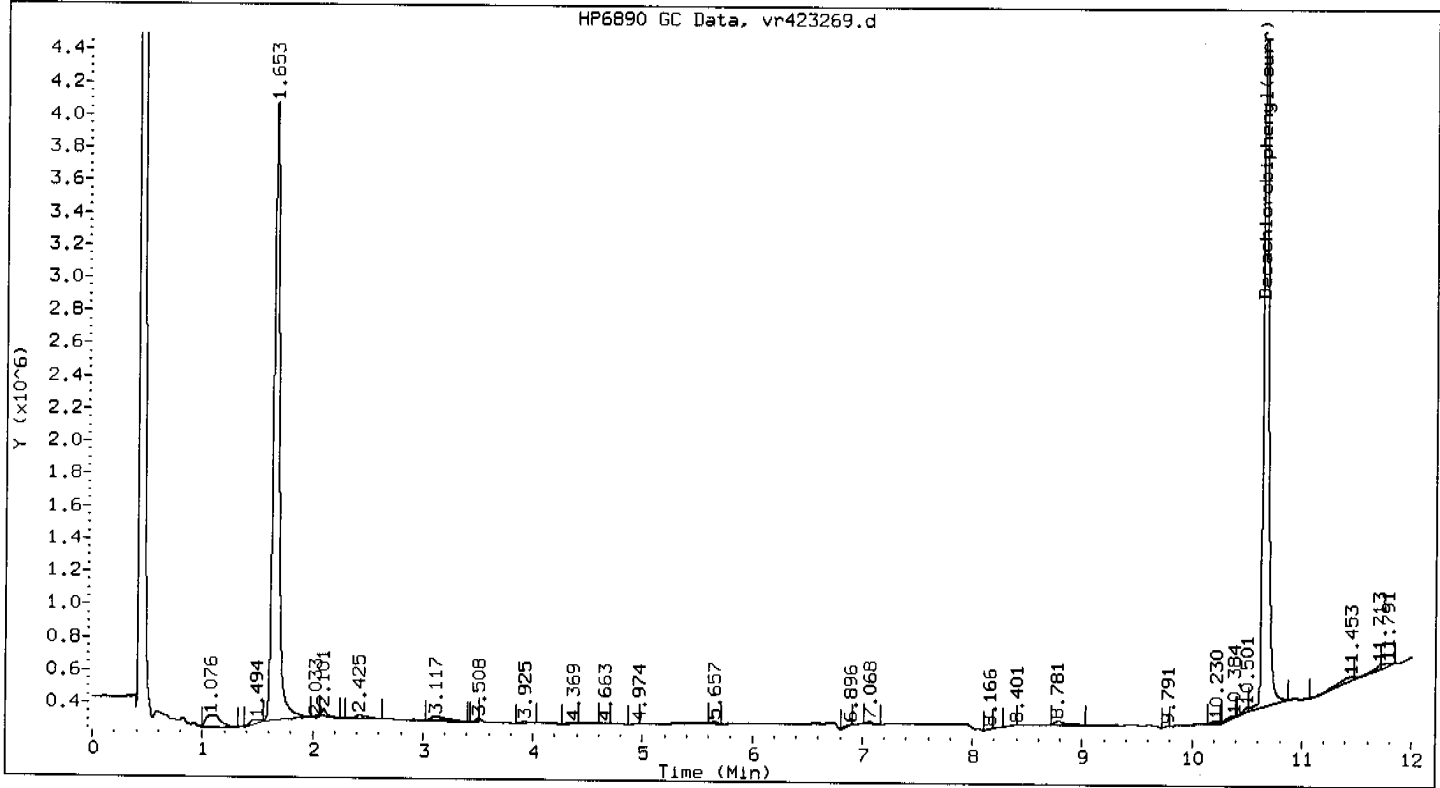
Method : /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/06Vf8082.m  
 Sample Info : SP230X;MB73507  
 Lab ID : SP230X  
 Inj Date : 20-AUG-2007 12:31  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *18-24-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl (surr)	(M) 11.527	11.524	0.003	10075646	45.667	30.445

COMMENTS:

M - Compound response manually integrated.

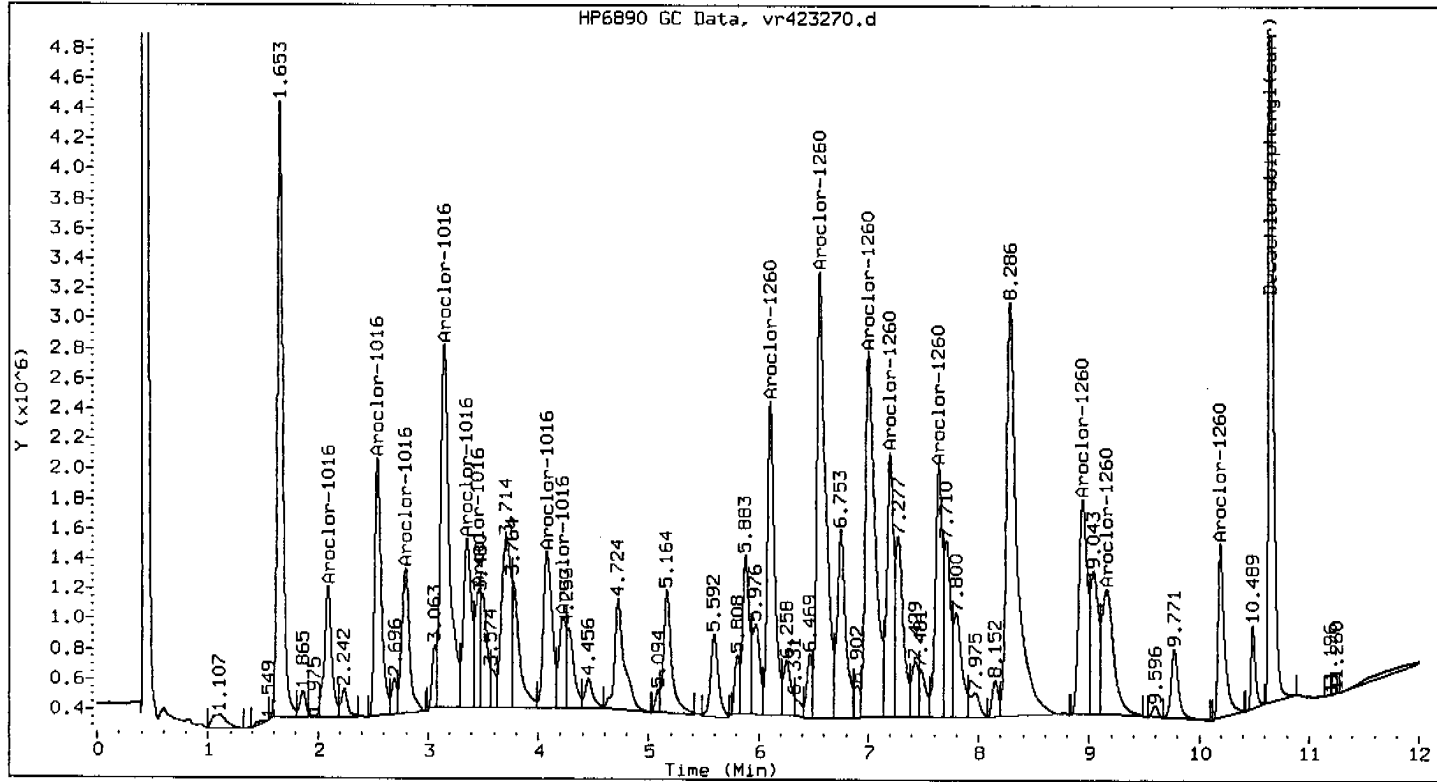


Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854485;3843435  
 Lab ID : 854485  
 Inj Date : 20-AUG-2007 12:46  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *18-24-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl (surr)	10.649	10.650	0.001	14999883	51.035	47.124





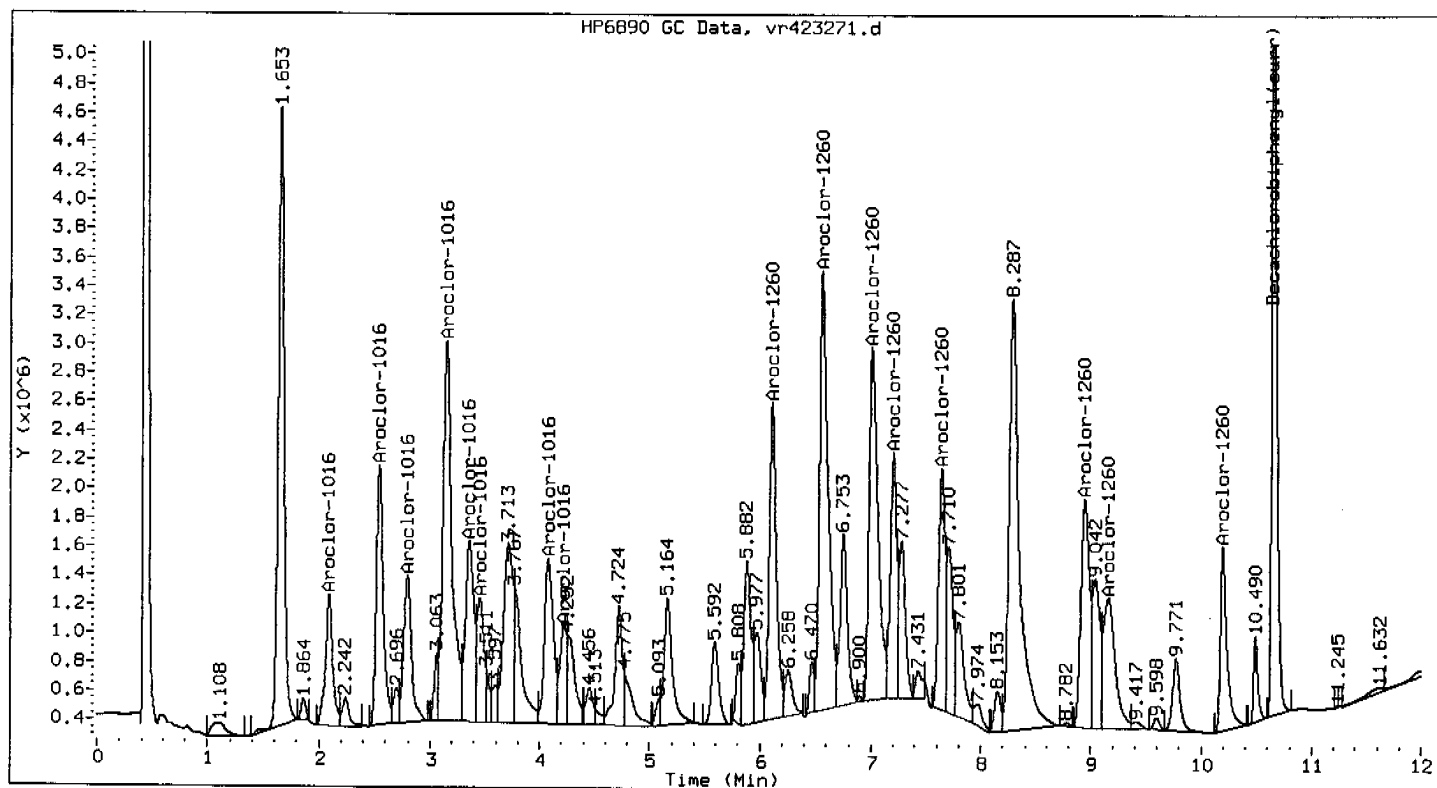
Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854485MS;3844547  
 Lab ID : 854485MS  
 Inj Date : 20-AUG-2007 13:01  
 Operator : 615  
 Cpnd Sublist: PCB8082+  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: MS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.093	2.095	0.002	3944727	536.540	495.420
(2)	2.541	2.541	0.000	7194999	516.797	477.190
(3)	2.796	2.795	0.002	4762219	497.217	459.111
(4)	3.150	3.149	0.002	13679161	507.029	468.171
(5)	3.356	3.354	0.002	5641062	507.737	468.825
(6)	3.460	3.452	0.008	2729371	393.974	363.780
(7)	4.076	4.075	0.001	5708647	509.873	470.797
(8)	4.221	4.222	0.001	2499802	467.420	431.598
Average of peak concentrations:						450.00
Aroclor-1260 (M)	6.109	6.107	0.002	9730948	533.470	492.585
(2)	6.559	6.558	0.001	16726297	537.797	496.581
(3)	7.004	7.004	0.000	15101430	530.558	489.896
(4)	7.202	7.200	0.002	7753685	536.226	495.130
(5)	7.642	7.641	0.001	7264998	534.344	493.392
(6)	8.944	8.944	0.000	7464637	534.392	493.437

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
-----	-----	-----	-----	-----	-----	-----
(7)	9.159	9.159	0.001	6249405	496.830	458.754
(8)	10.195	10.195	0.000	4671681	510.295	471.186
Average of peak concentrations:						490.00
-----						
Decachlorobiphenyl(surr)	10.649	10.650	0.000	15584826	53.026	48.962
-----						

COMMENTS:

M - Compound response manually integrated.



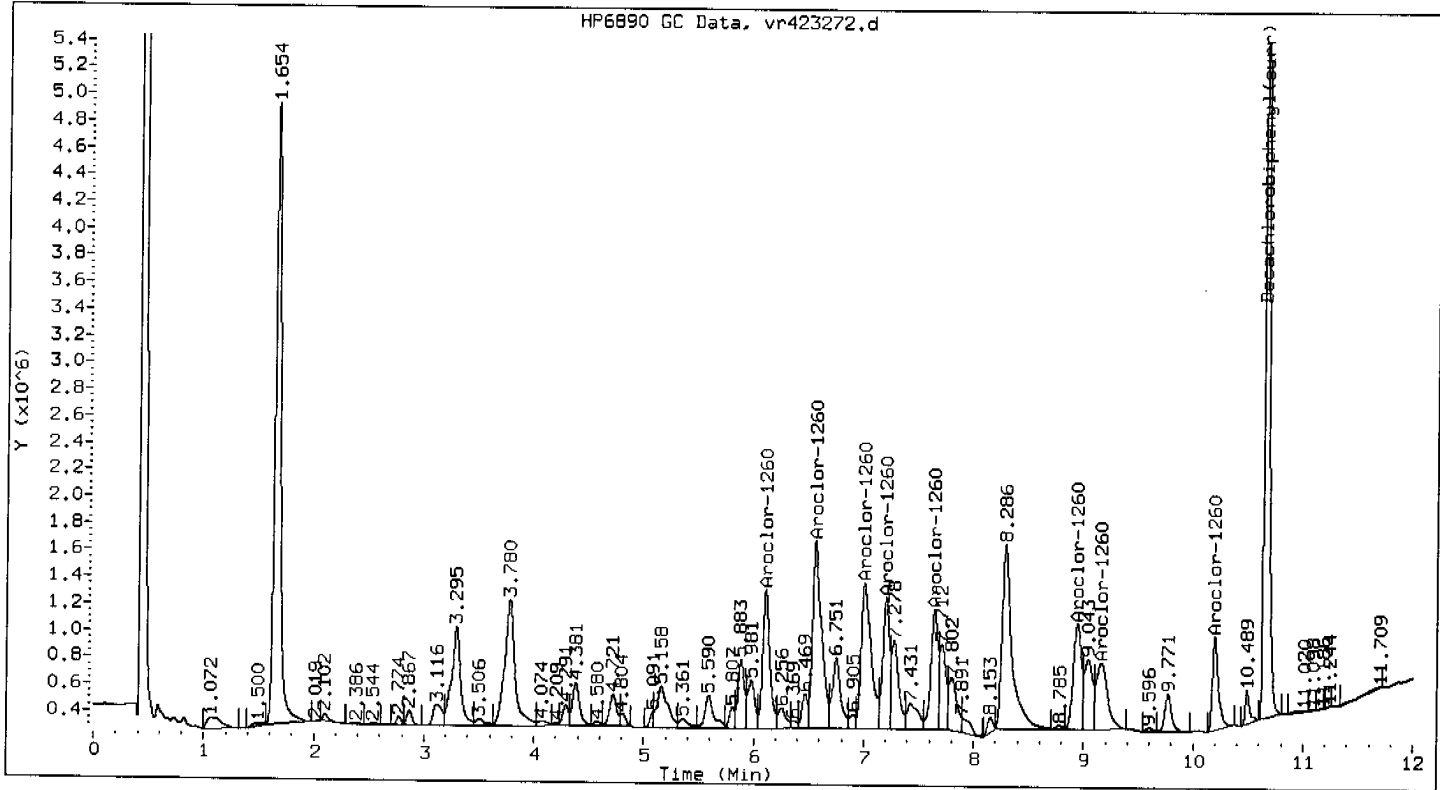
Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854485SD;3844548  
 Lab ID : 854485MSD  
 Inj Date : 20-AUG-2007 13:17  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *(88-29-0)*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: MSD

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016	(M) 2.092	2.095	0.002	4148489	564.254	521.010
(2)	2.542	2.541	0.000	7569505	543.697	502.028
(3)	2.796	2.795	0.001	4997403	521.772	481.784
(4)	3.150	3.149	0.001	15450739	572.694	528.803
(5)	3.356	3.354	0.002	6531117	587.849	542.797
(6)	3.453	3.452	0.001	3866755	558.151	515.375
(7)	4.077	4.075	0.001	6497545	580.334	535.858
(8)	4.223	4.222	0.001	2886904	539.802	498.432
Average of peak concentrations:						520.00
Aroclor-1260	6.108	6.107	0.001	9770070	535.615	494.566
(2)	6.559	6.558	0.001	16195113	520.718	480.810
(3)	7.005	7.004	0.001	13683556	480.744	443.900
(4)	7.202	7.200	0.001	7041476	486.972	449.651
(5)	7.642	7.641	0.001	6945803	510.867	471.715
(6)	8.943	8.944	0.001	8268271	591.924	546.559

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS		
					ON-COLUMN (ug/L)	FINAL (ug/kg)	
(7)	9.161	9.159	0.002	6705037	533.053	492.201	
(8)	10.196	10.195	0.000	5119580	559.219	516.361	
Average of peak concentrations:						490.00	
Decachlorobiphenyl (surr)	10.649	10.650	0.001	16367077	55.687	51.419	

COMMENTS:

M - Compound response manually integrated.

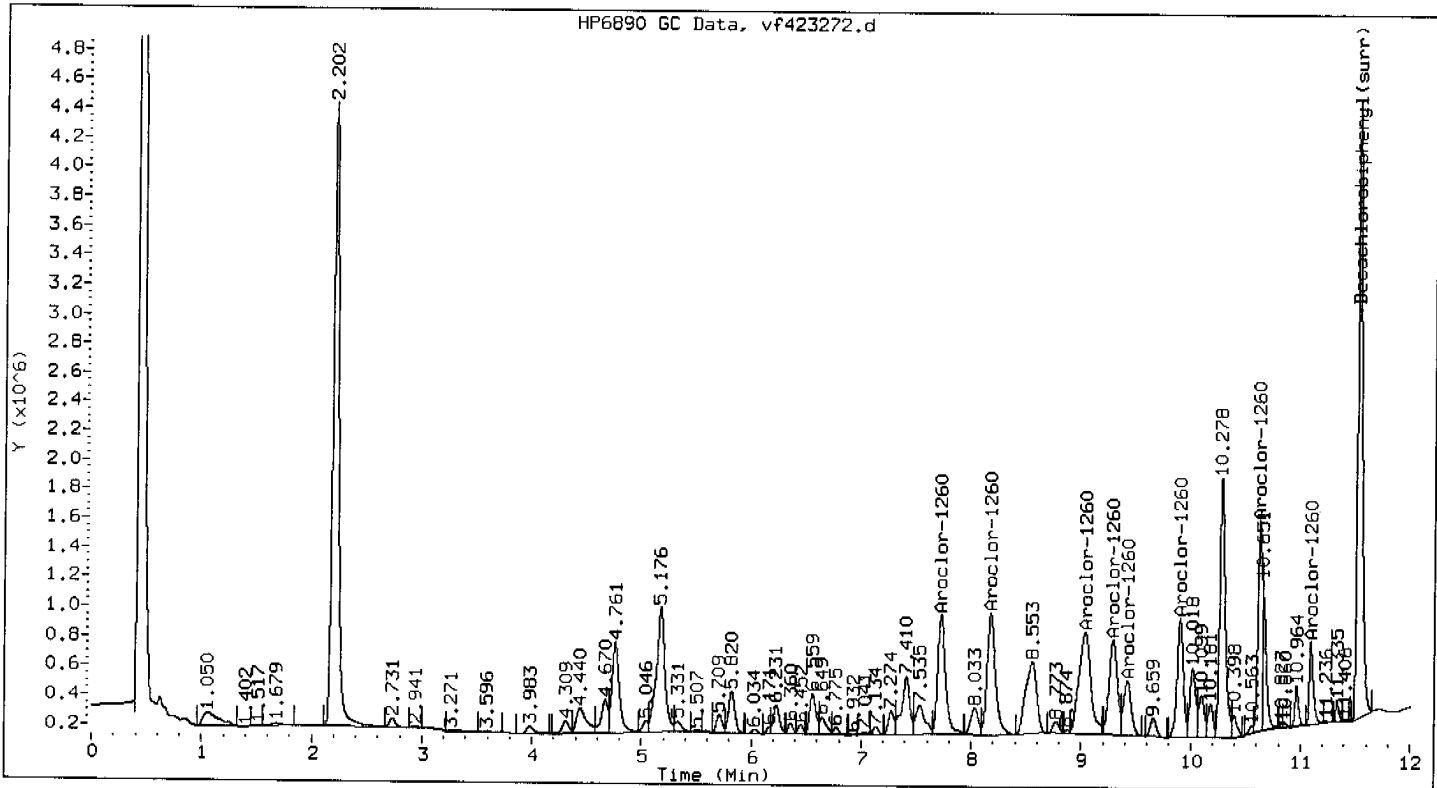


Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854473;3843394  
 Lab ID : 854473  
 Inj Date : 20-AUG-2007 13:32  
 Operator : 615  
 Cpnd Sublist: PCB8082+

8-24-07

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1260	6.108	6.107	0.001	4676408	256.370	248.060
(2)	6.559	6.558	0.001	7916787	254.547	246.296
(3)	7.004	7.004	0.000	6774600	238.012	230.297
(4)	7.201	7.200	0.001	4213034	291.363	281.919
(5)	7.643	7.641	0.002	3875779	285.065	275.825
(6)	8.943	8.944	0.001	4079902	292.079	282.612
(7)	9.162	9.159	0.003	3558820	282.928	273.757
(8)	10.195	10.195	0.001	2557799	279.392	270.336
Average of peak concentrations:					260.00	
Decachlorobiphenyl (surr)	10.649	10.650	0.001	17038624	57.972	56.093



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/06Vf8082.m  
 Sample Info : 854473;3843394  
 Lab ID : 854473  
 Inj Date : 20-AUG-2007 13:32  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *B 8-24-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1260 (M)	7.726	7.725	0.000	3984728	213.514	206.593
(2)	8.176	8.176	0.001	4411581	211.855	204.988
(3)	9.040	9.042	0.002	5234719	194.778	188.464
(4)	9.291	9.293	0.002	3408574	252.275	244.098
(5)	9.423	9.423	0.000	1815509	242.866	234.993
(6)	9.901	9.902	0.001	3211637	240.342	232.551
(7)	10.626	10.627	0.002	3643698	237.841	230.132
(8)	11.092	11.094	0.002	1413816	218.727	211.637

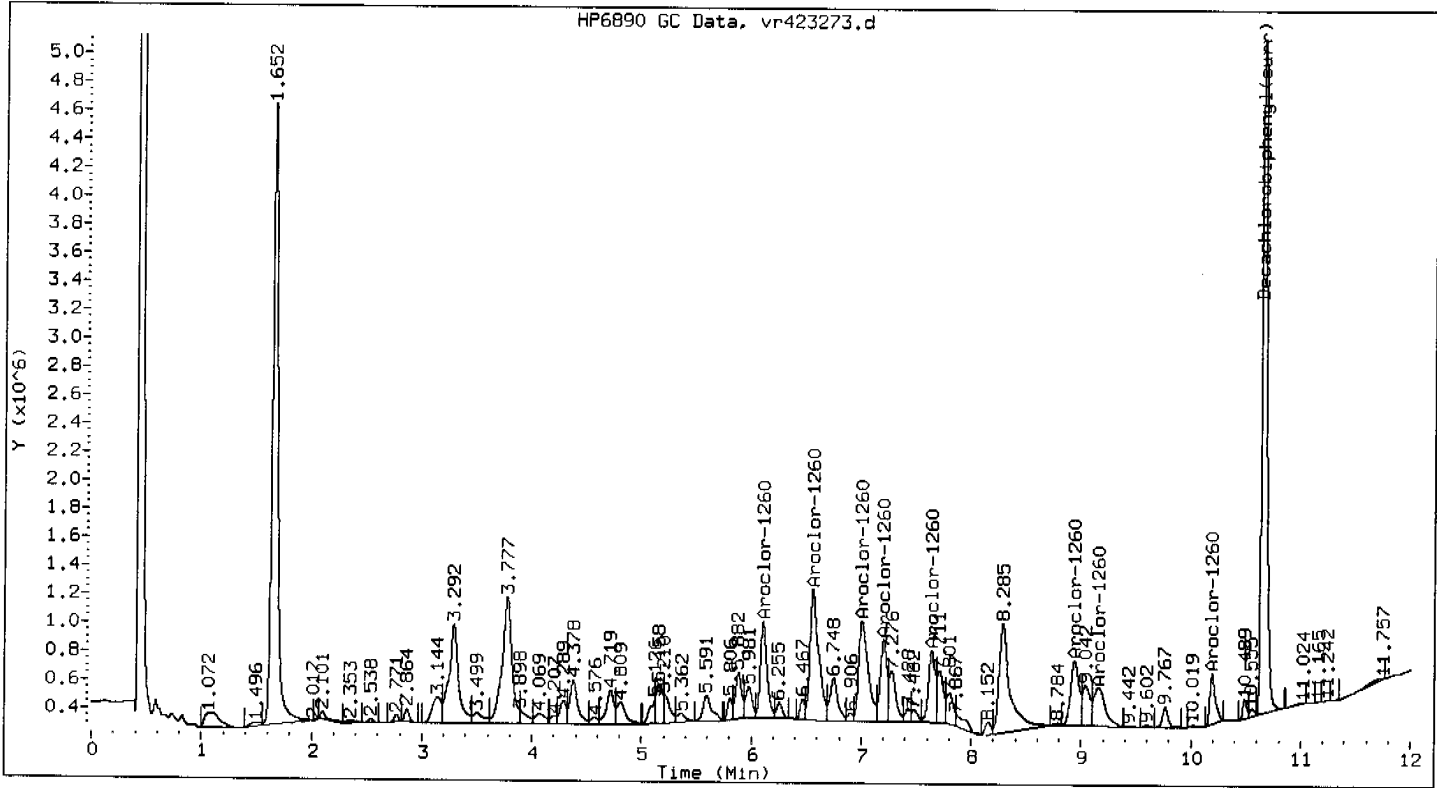
Average of peak concentrations:

220.00

Decachlorobiphenyl (surr)	11.523	11.524	0.001	11694174	53.003	51.285
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COMMENTS:

M - Compound response manually integrated.

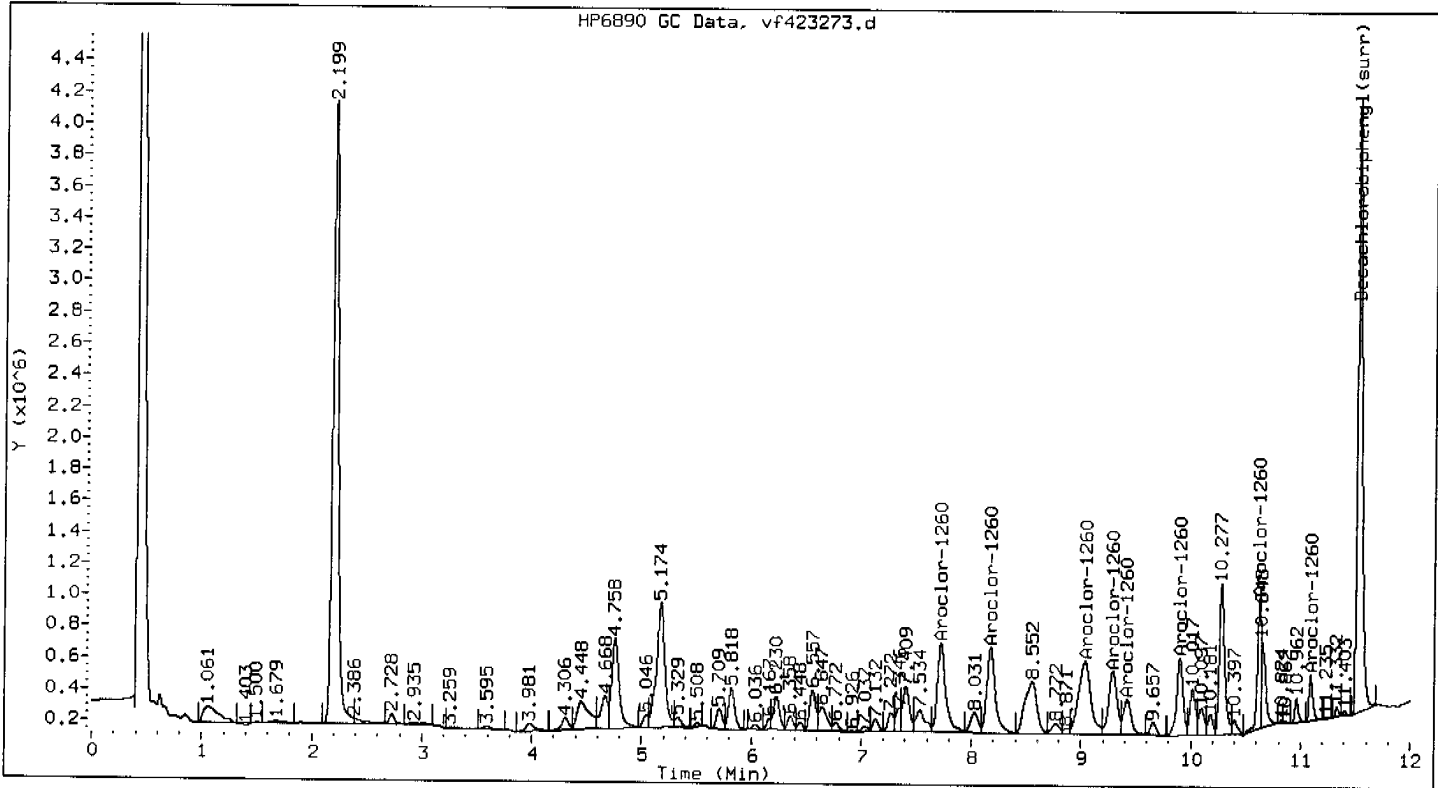


Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854474;3843411  
 Lab ID : 854474  
 Inj Date : 20-AUG-2007 13:47  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *88-24-07*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1260	6.107	6.107	0.000	2854852	156.509	153.215
(2)	6.558	6.558	0.000	5065830	162.880	159.452
(3)	7.003	7.004	0.000	4225660	148.460	145.335
(4)	7.200	7.200	0.000	2424425	167.667	164.138
(5)	7.641	7.641	0.000	2148320	158.010	154.684
(6)	8.940	8.944	0.004	2345430	167.909	164.375
(7)	9.158	9.159	0.000	1972172	156.789	153.489
(8)	10.193	10.195	0.002	1268250	138.533	135.617

Average of peak concentrations: 150.00

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 Decachlorobiphenyl (surr) 10.649 10.650 0.000 16065602 54.661 53.511  
 -----



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/06Vf8082.m  
 Sample Info : 854474;3843411  
 Lab ID : 854474  
 Inj Date : 20-AUG-2007 13:47  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *USE-4-07*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1260 (M)	7.723	7.725	0.002	2982961	159.836	156.472
(2)	8.174	8.176	0.002	2928261	140.622	137.663
(3)	9.038	9.042	0.004	3647109	135.705	132.848
(4)	9.291	9.293	0.002	2154064	159.427	156.071
(5)	9.420	9.423	0.003	1150254	153.873	150.634
(6)	9.900	9.902	0.002	1990669	148.971	145.835
(7)	10.625	10.627	0.002	2085665	136.141	133.276
(8)	11.091	11.094	0.003	706019	109.226	106.927

Average of peak concentrations:

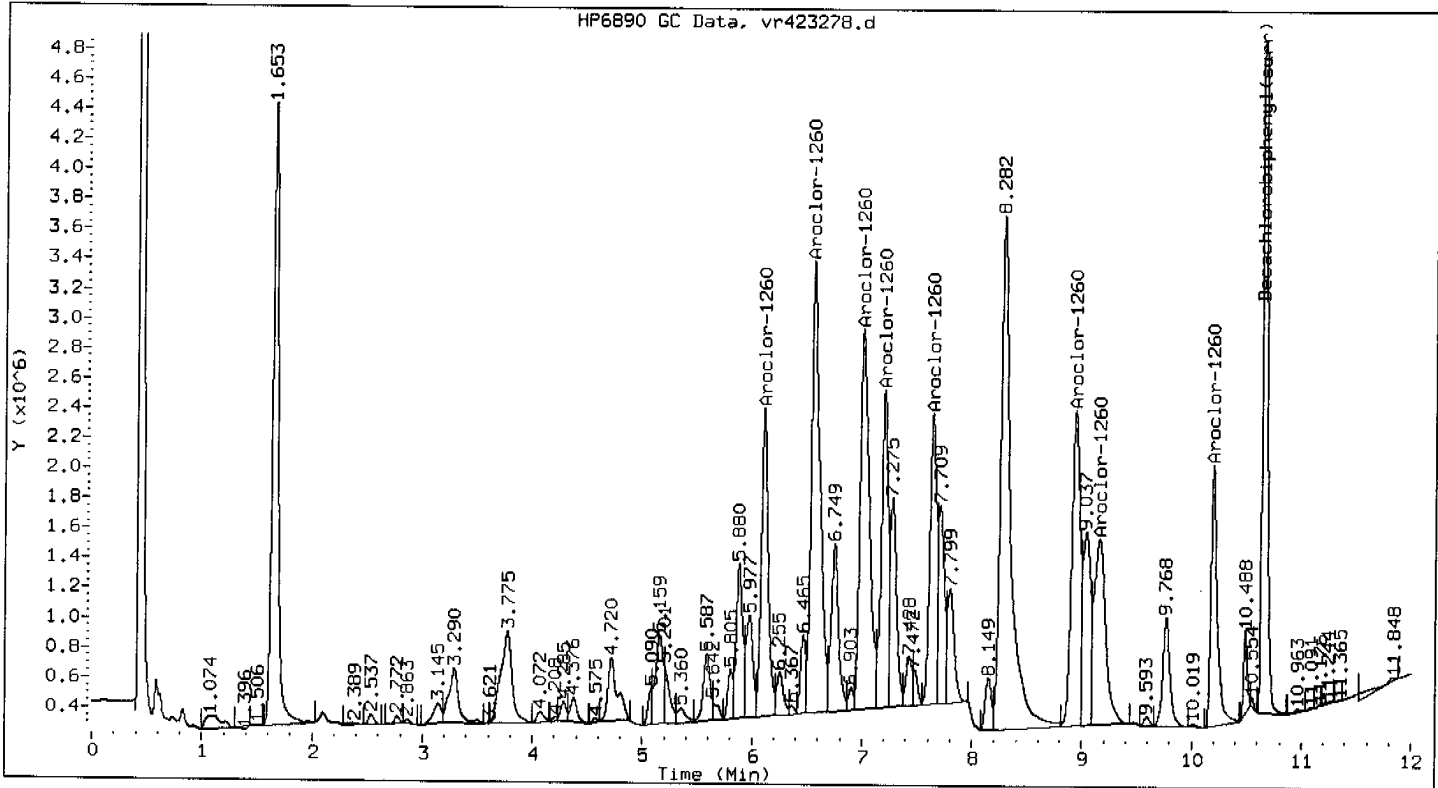
140.00

Decachlorobiphenyl (surr)	11.521	11.524	0.003	10793236	48.919	47.890
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COMMENTS:

M - Compound response manually integrated.

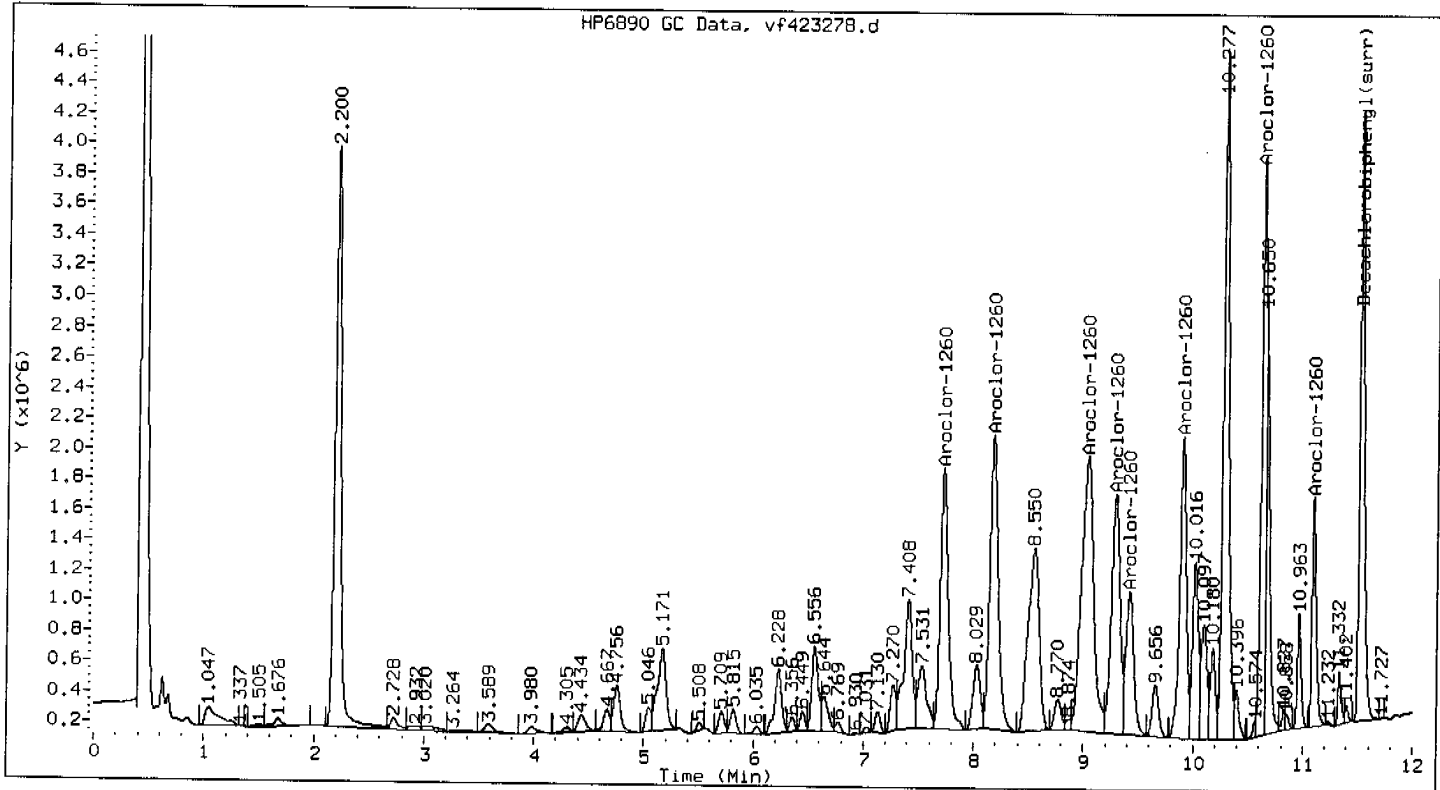




Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854479;3843420  
 Lab ID : 854479  
 Inj Date : 20-AUG-2007 15:04  
 Operator : 615  
 Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1260	6.105	6.107	0.002	9031680	495.135	398.659
(2)	6.556	6.558	0.002	16466759	529.452	426.290
(3)	7.000	7.004	0.003	14831520	521.075	419.545
(4)	7.198	7.200	0.002	8886668	614.581	494.831
(5)	7.639	7.641	0.002	8018920	589.795	474.875
(6)	8.938	8.944	0.006	11240105	804.677	647.888
(7)	9.156	9.159	0.002	8927872	709.770	571.473
(8)	10.193	10.195	0.002	6953780	759.572	611.571
Average of peak concentrations:						500.00
Decachlorobiphenyl (surr)	10.648	10.650	0.002	15747331	53.578	43.139



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/06Vf8082.m  
 Sample Info : 854479;3843420  
 Lab ID : 854479  
 Inj Date : 20-AUG-2007 15:04  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *BSR-24-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1260	(M) 7.722	7.725	0.003	8610015	461.350	371.458
(2)	8.172	8.176	0.004	10167860	488.286	393.145
(3)	9.036	9.042	0.006	13767542	512.274	412.459
(4)	9.289	9.293	0.004	8491477	628.471	506.016
(5)	9.419	9.423	0.004	4731165	632.901	509.582
(6)	9.899	9.902	0.003	8224535	615.480	495.555
(7)	10.625	10.627	0.002	9876559	644.689	519.074
(8)	11.092	11.094	0.002	3978849	615.554	495.615

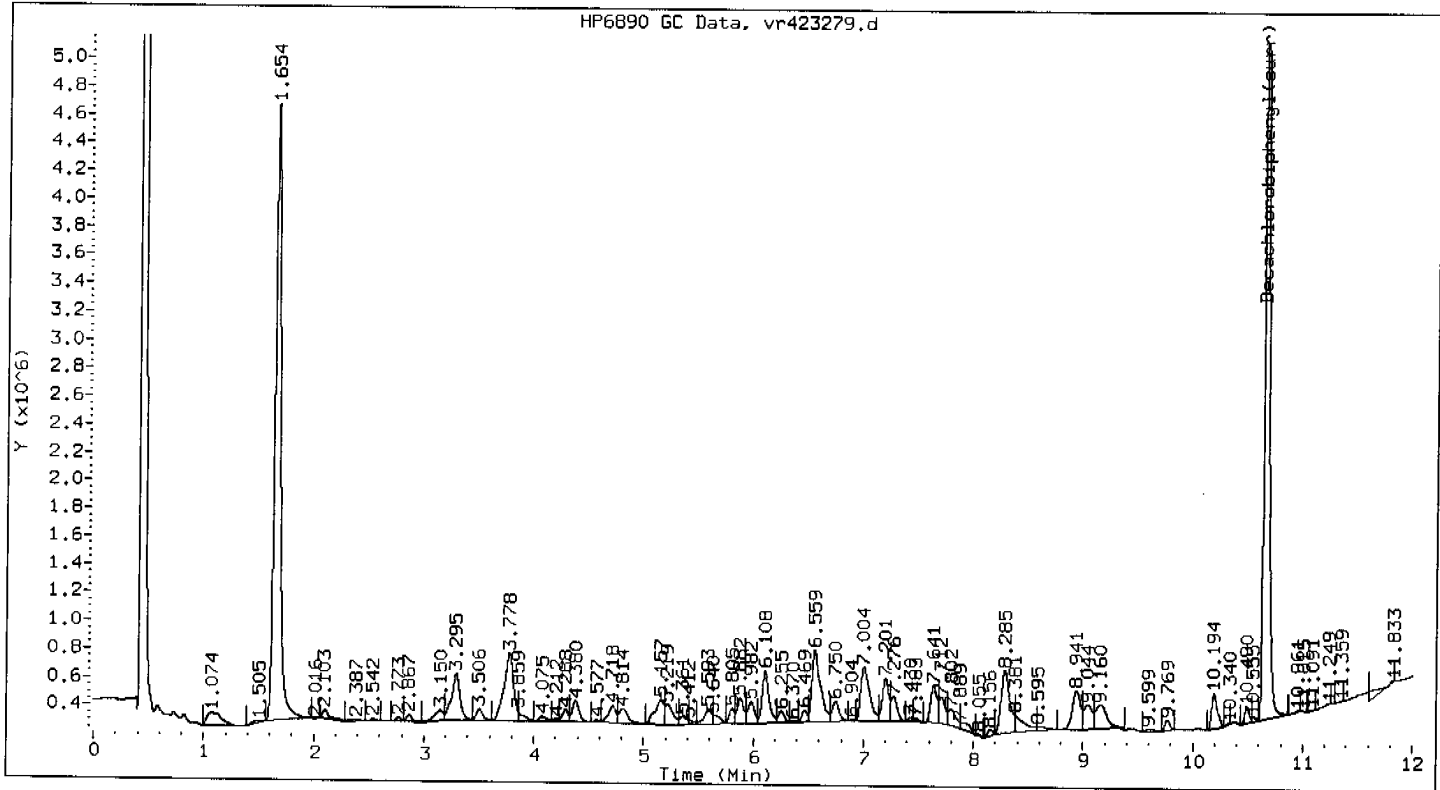
Average of peak concentrations:

460.00

Decachlorobiphenyl (surr)	11.520	11.524	0.004	11073157	50.188	40.409
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COMMENTS:

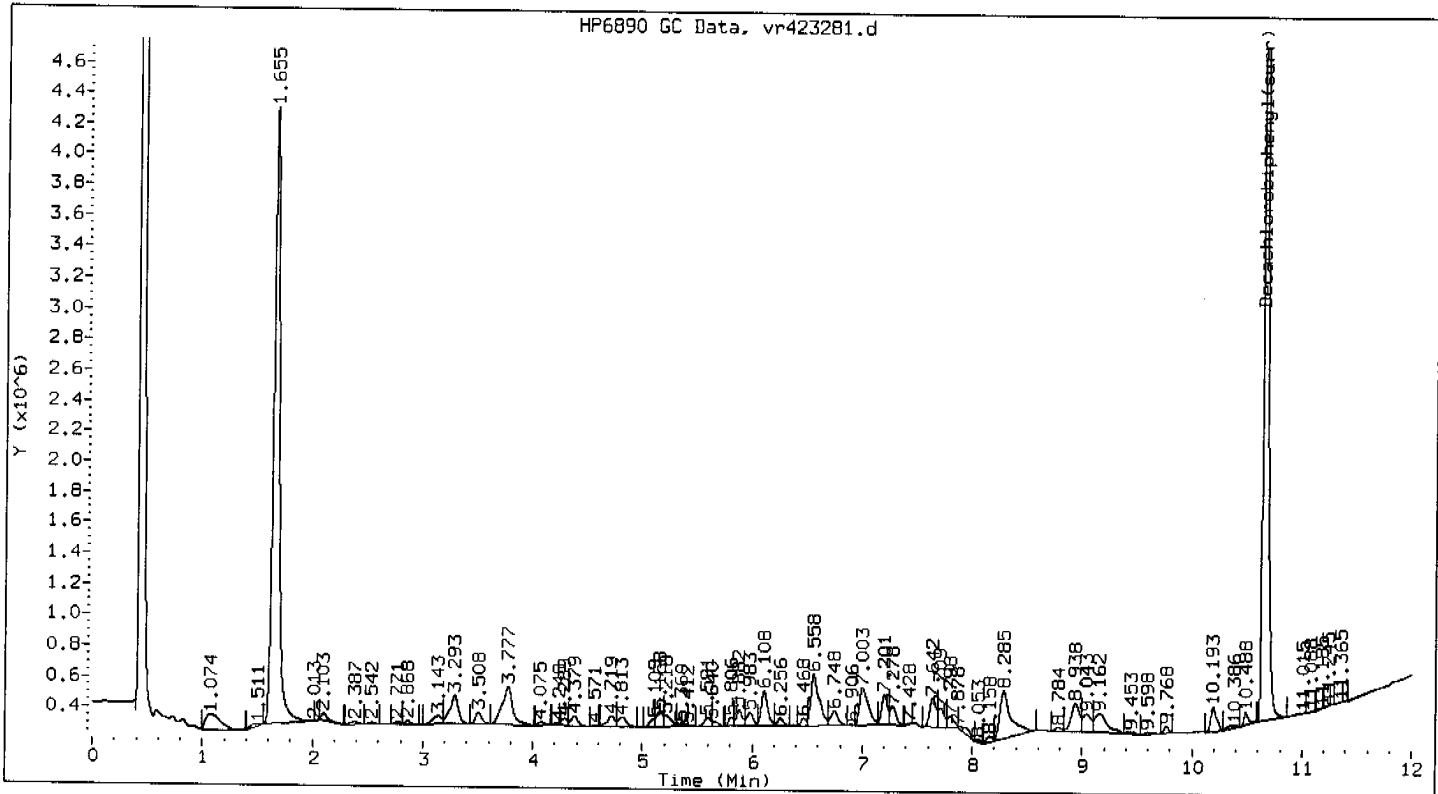
M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854480;3843423  
 Lab ID : 854480  
 Inj Date : 20-AUG-2007 15:19  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *188-24-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

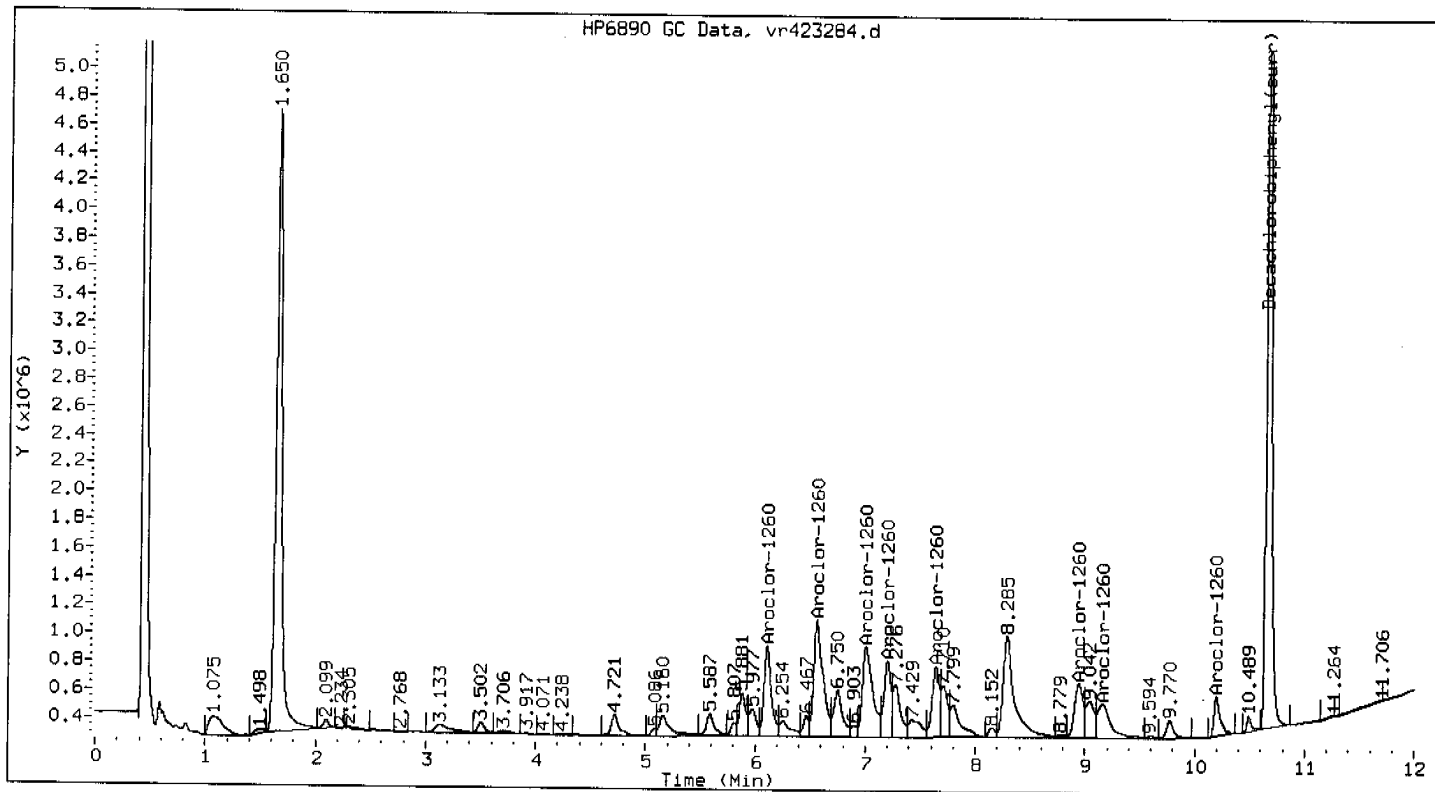
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl (surr)	10.649	10.650	0.001	16647240	56.640	60.805



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854482;3843428  
 Lab ID : 854482  
 Inj Date : 20-AUG-2007 15:50  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *8-24-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl (surr)	10.648	10.650	0.001	16121155	54.850	57.047



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854486;3843438  
 Lab ID : 854486  
 Inj Date : 20-AUG-2007 16:36  
 Operator : 615  
 Cpnd Sublist: PCB8082+

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

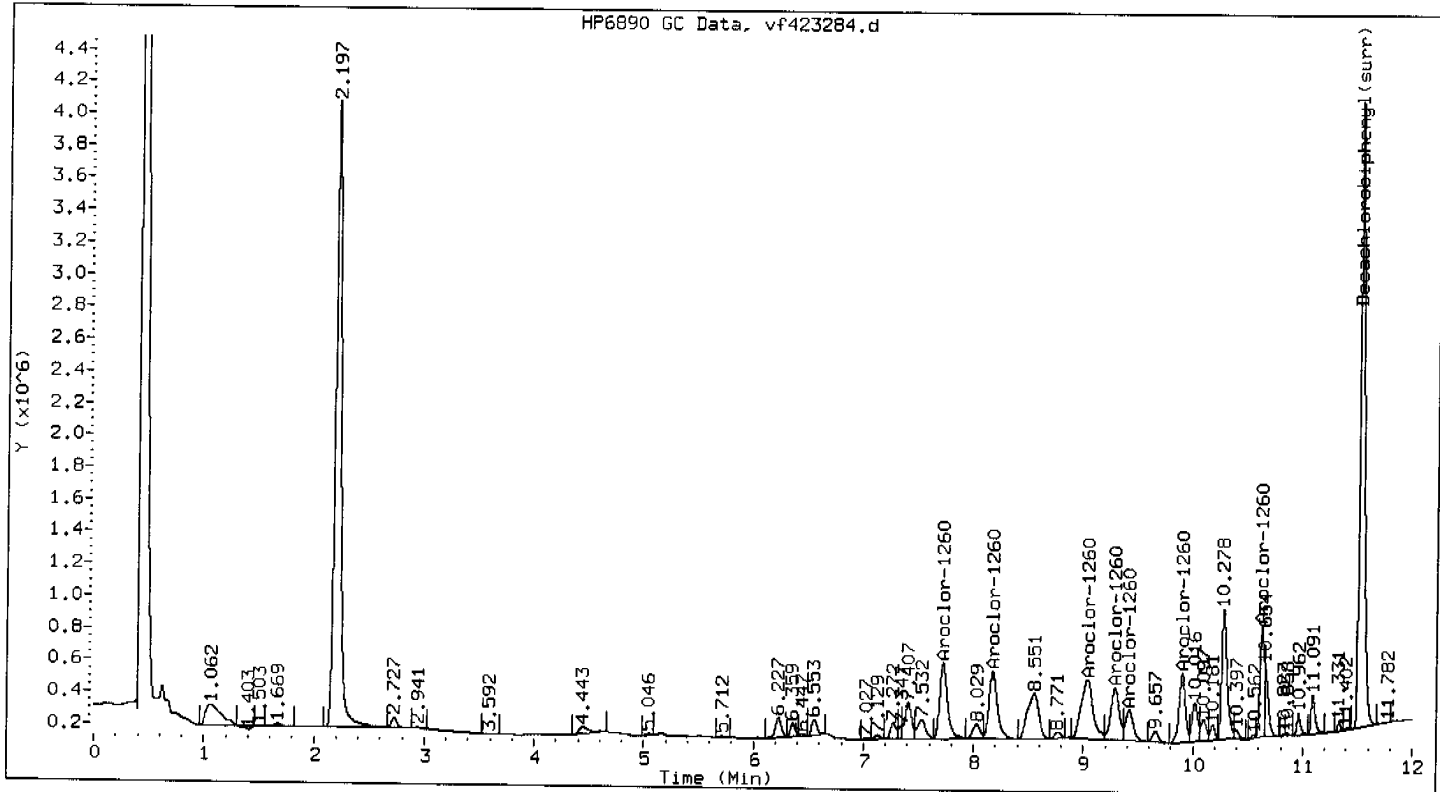
*18-24-07*

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1260	6.107	6.107	0.001	3003192	164.641	155.910
(2)	6.558	6.558	0.000	4837962	155.554	147.305
(3)	7.003	7.004	0.001	4132856	145.199	137.499
(4)	7.200	7.200	0.001	2390473	165.319	156.552
(5)	7.641	7.641	0.001	2274331	167.278	158.407
(6)	8.942	8.944	0.002	2078813	148.822	140.930
(7)	9.158	9.159	0.001	2033442	161.659	153.087
(8)	10.194	10.195	0.001	1119755	122.312	115.826

Average of peak concentrations:

140.00

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 Decachlorobiphenyl (surr)      10.649    10.650    0.001    17234182    58.637    55.528  
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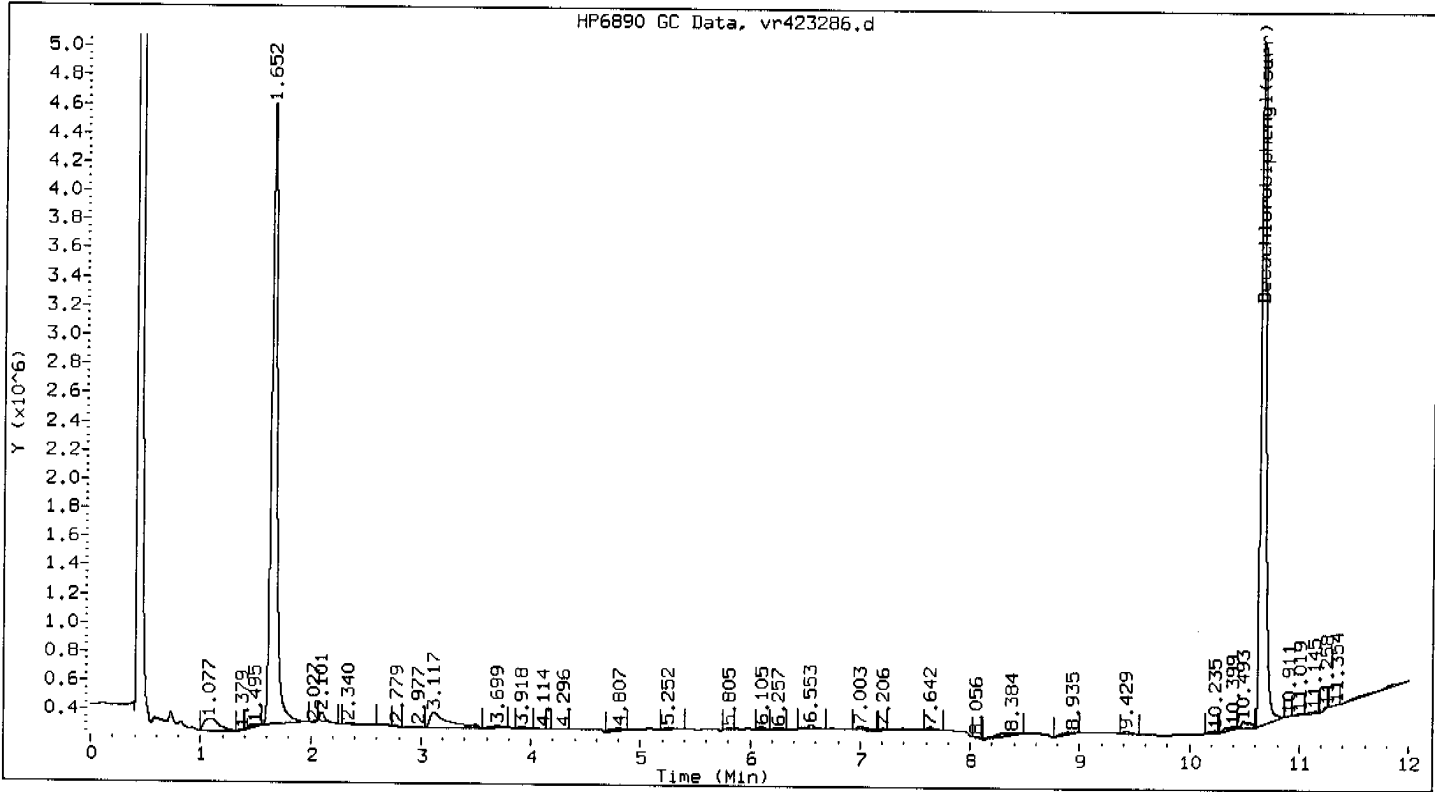


Method : /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07b.b/06Vf8082.m  
 Sample Info : 854486;3843438  
 Lab ID : 854486  
 Inj Date : 20-AUG-2007 16:36  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *152-24-07*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1260	(M) 7.723	7.725	0.002	2317346	124.170	117.586
(2)	8.172	8.176	0.004	2258902	108.478	102.725
(3)	9.038	9.042	0.004	2761848	102.765	97.315
(4)	9.288	9.293	0.005	1727025	127.821	121.042
(5)	9.420	9.423	0.003	976304	130.603	123.677
(6)	9.900	9.902	0.002	1688541	126.361	119.660
(7)	10.625	10.627	0.002	1837830	119.964	113.602
(8)	-----	11.094	-----	-----	-----	----- (*)
Average of peak concentrations:					110.00	
Decachlorobiphenyl (surr)	11.518	11.524	0.006	10850498	49.179	46.571

COMMENTS:

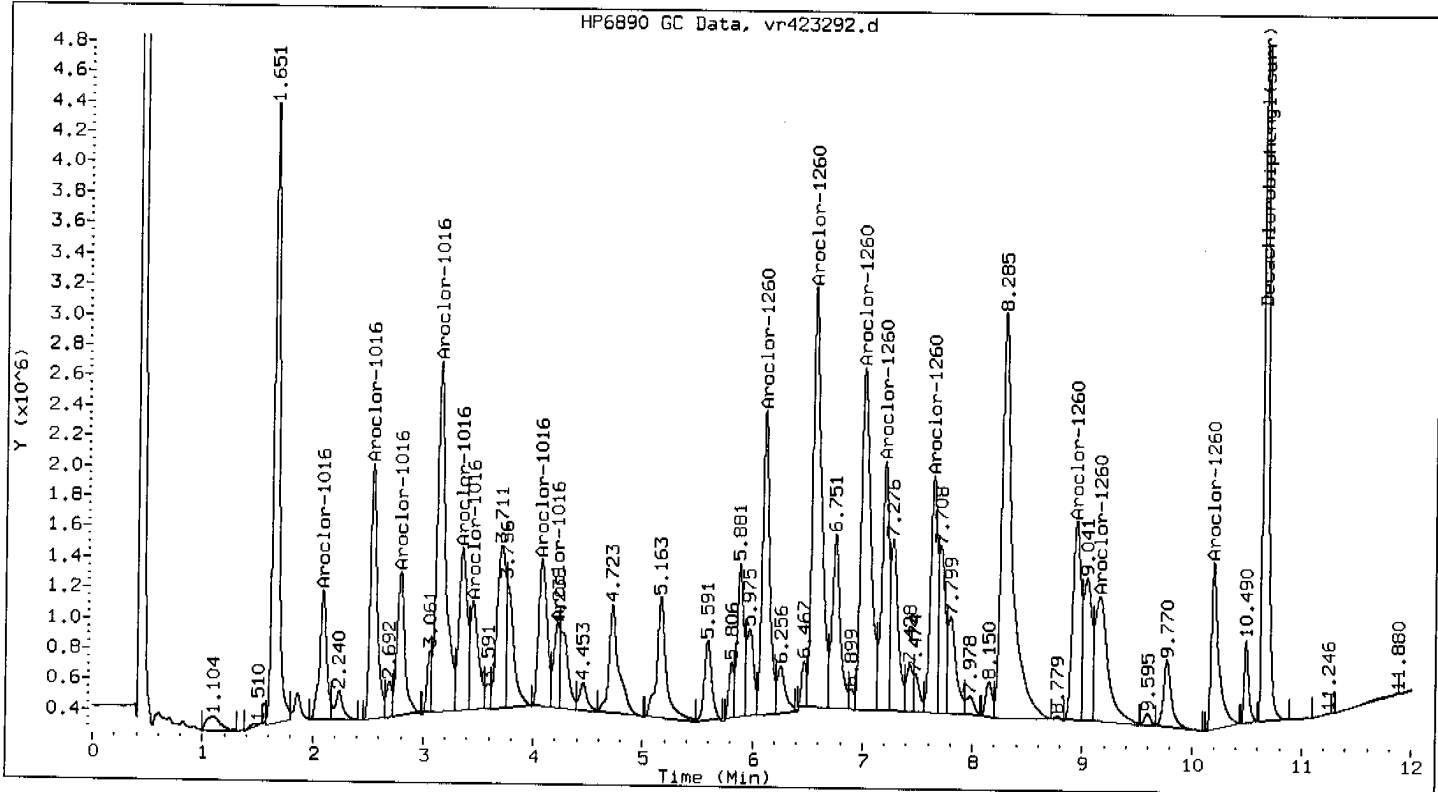
- \* - Multicomponent peak not used in quantitation of compound.
- M - Compound response manually integrated.



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 854488;3843443  
 Lab ID : 854488  
 Inj Date : 20-AUG-2007 17:07  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *8-24-07*

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Decachlorobiphenyl (surr)	10.649	10.650	0.000	16554058	56.323	115.891



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07b.b/06Vr8082.m  
 Sample Info : 5815BS;BS58961  
 Lab ID : 5815BS  
 Inj Date : 20-AUG-2007 18:39  
 Operator : 615  
 Cpnd Sublist: PCB8082+ *BS-24-6*  
 Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: BS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS		
					ON-COLUMN (ug/L)	FINAL (ug/kg)	
Aroclor-1016 (M)	2.091	2.095	0.003	3680498	500.601	333.734	
(2)	2.540	2.541	0.001	7122997	511.625	341.084	
(3)	2.795	2.795	0.000	4585763	478.793	319.196	
(4)	3.148	3.149	0.001	13171649	488.218	325.479	
(5)	3.354	3.354	0.000	5409258	486.873	324.582	
(6)	3.451	3.452	0.001	3877262	559.667	373.112	
(7)	4.075	4.075	0.001	5169502	461.718	307.812	
(8)	4.222	4.222	0.000	1902393	355.715	237.143	
Average of peak concentrations:						320.00	
Aroclor-1260 (M)	6.107	6.107	0.000	9202898	504.521	336.347	
(2)	6.557	6.558	0.001	15340570	493.242	328.828	
(3)	7.003	7.004	0.001	13533531	475.473	316.982	
(4)	7.200	7.200	0.001	7189997	497.243	331.495	
(5)	7.640	7.641	0.002	6722341	494.431	329.621	
(6)	8.942	8.944	0.002	6823056	488.461	325.641	



Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
=====	=====	=====	=====	=====	=====	=====
(7)	9.157	9.159	0.002	6863897	545.683	363.788
(8)	10.195	10.195	0.001	5018154	548.140	365.427
Average of peak concentrations:						340.00
-----	-----	-----	-----	-----	-----	-----
Decachlorobiphenyl(surr)	10.650	10.650	0.000	16706942	56.843	37.896
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COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07c.b/vr423294.d  
 Method: /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07c.b/06Vr8082.m

Sample Information: SG1660L3 00002C  
 Injection Date: 20-AUG-2007 19:10

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.095	1000	1083.55	8.35
Aroclor-1016	2	2.542	1000	994.41	0.56
Aroclor-1016	3	2.795	1000	1010.77	1.08
Aroclor-1016	4	3.150	1000	969.84	3.02
Aroclor-1016	5	3.356	1000	993.16	0.68
Aroclor-1016	6	3.453	1000	1114.41	11.44
Aroclor-1016	7	4.076	1000	1035.78	3.58
Aroclor-1016	8	4.223	1000	927.59	7.24

Aroclor-1260	1	6.107	1000	986.90	1.31
Aroclor-1260	2	6.558	1000	998.74	0.13
Aroclor-1260	3	7.003	1000	1010.15	1.02
Aroclor-1260	4	7.200	1000	975.11	2.49
Aroclor-1260	5	7.641	1000	1023.24	2.32
Aroclor-1260	6	8.942	1000	1074.76	7.48
Aroclor-1260	7	9.159	1000	1123.16	12.32
Aroclor-1260	8	10.195	1000	1088.75	8.88

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene (s	1.656	100	108.45	8.45
Decachlorobiphenyl (sur	10.649	100	104.48	4.48

## GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

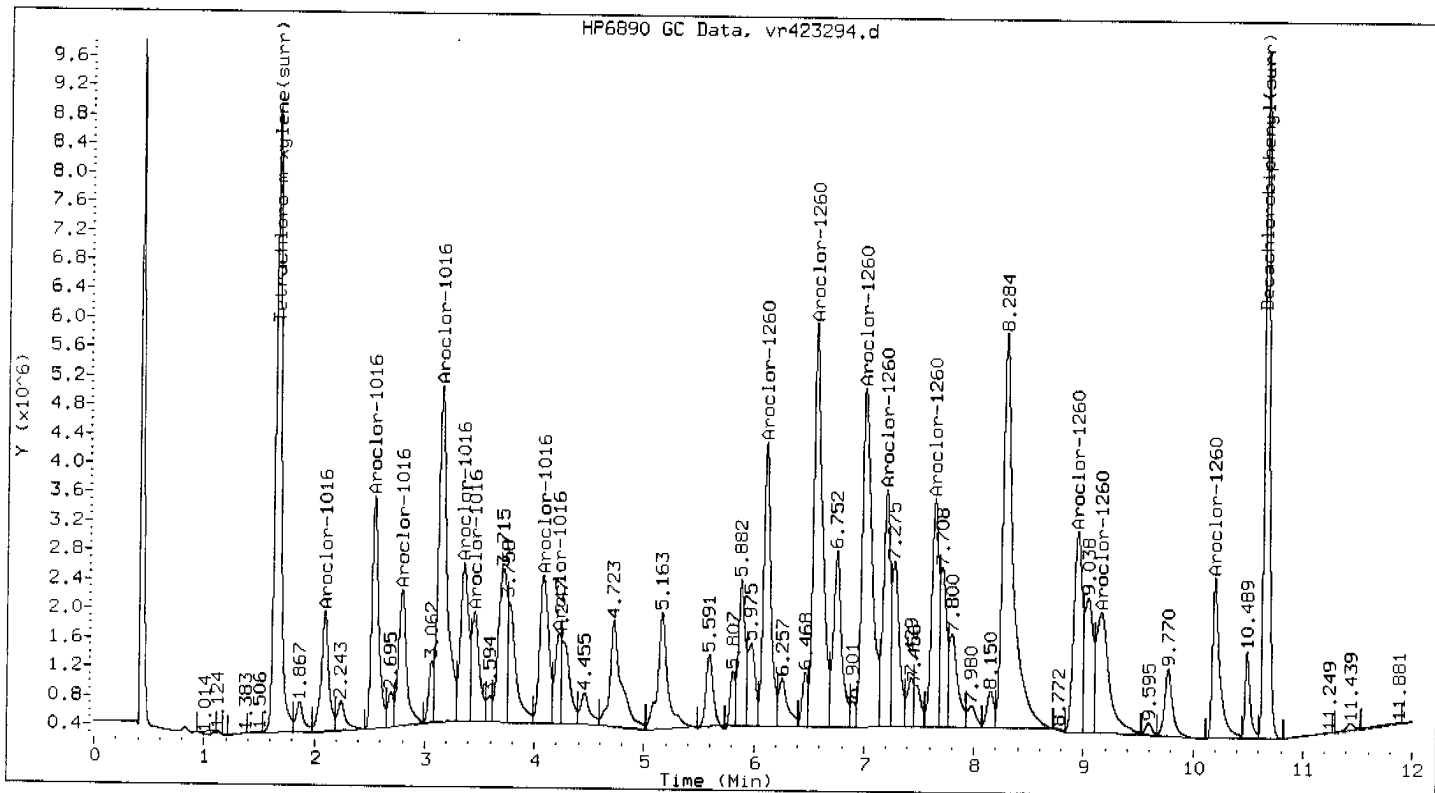
Midpoint Calibration File: /chem1/PESTGC9.i/8082/rear/Aug07/08-15-07aical/15aug07a.b/vr423099.d

Injection Date: 15-AUG-2007 13:02

Continuing Calibration File: /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07c.b/vr423294.d

Injection Date: 20-AUG-2007 19:10

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.089	( 2.019 - 2.159 )	2.095	
	2.537	( 2.467 - 2.607 )	2.542	
	2.792	( 2.722 - 2.862 )	2.795	
	3.146	( 3.076 - 3.216 )	3.150	
	3.351	( 3.281 - 3.421 )	3.356	
	3.458	( 3.388 - 3.528 )	3.453	
	4.073	( 4.003 - 4.143 )	4.076	
	4.219	( 4.149 - 4.289 )	4.223	
-----				
Aroclor-1260	6.108	( 6.038 - 6.178 )	6.107	
	6.559	( 6.489 - 6.629 )	6.558	
	7.004	( 6.934 - 7.074 )	7.003	
	7.202	( 7.132 - 7.272 )	7.200	
	7.642	( 7.572 - 7.712 )	7.641	
	8.944	( 8.874 - 9.014 )	8.942	
	9.162	( 9.092 - 9.232 )	9.159	
	10.196	(10.126 - 10.266 )	10.195	
-----				
Tetrachloro-m-xylene(surr)	1.649	( 1.599 - 1.699 )	1.656	
-----				
Decachlorobiphenyl(surr)	10.653	(10.553 - 10.753 )	10.649	
-----				



Method : /chem1/PESTGC9.i/8082/rear/Aug07/08-18-07/18aug07c.b/06Vr8082.m  
 Sample Info : SG1660L3\_00002C  
 Lab ID : SG1660L3\_00002C  
 Inj Date : 20-AUG-2007 19:10  
 Operator : 615  
 Cpnd Sublist: AR16600S

K9-26-07

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CCALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor 1016 (M)	2.095	2.095	0.000	7966409	1083.547	1083.547
(2)	2.542	2.542	0.000	13844495	994.412	994.412
(3)	2.795	2.795	0.000	9680899	1010.770	1010.770
(4)	3.150	3.150	0.000	26165458	969.844	969.844
(5)	3.356	3.356	0.000	11034237	993.163	993.163
(6)	3.453	3.453	0.000	7720393	1114.408	1114.408
(7)	4.076	4.076	0.000	11596851	1035.783	1035.783
(8)	4.223	4.223	0.000	4960800	927.585	927.585

Average of peak concentrations:

1000.00

Aroclor 1260 (M)	6.107	6.107	0.000	18001888	986.899	986.899
(2)	6.558	6.558	0.000	31062354	998.741	998.741
(3)	7.003	7.003	0.000	28752347	1010.154	1010.154
(4)	7.200	7.200	0.000	14099807	975.109	975.109
(5)	7.641	7.641	0.000	13912113	1023.242	1023.242
(6)	8.942	8.942	0.000	15012712	1074.757	1074.757

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
-----	-----	-----	-----	-----	-----	-----
(7)	9.159	9.159	0.000	14127683	1123.157	1123.157
(8)	10.195	10.195	0.000	9967375	1088.751	1088.751
Average of peak concentrations:						1000.00
-----	-----	-----	-----	-----	-----	-----
Tetrachloro-m-xylene(surr)	1.656	1.656	0.000	32191774	108.449	108.449
-----	-----	-----	-----	-----	-----	-----
Decachlorobiphenyl(surr)	10.649	10.649	0.000	30708215	104.481	104.481
-----	-----	-----	-----	-----	-----	-----

COMMENTS:  
 M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07c.b/vf423294.d  
 Method: /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07c.b/06Vf8082.m

Sample Information: SG1660L3\_00002C  
 Injection Date: 20-AUG-2007 19:10

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.919	1000	930.43	6.96
Aroclor-1016	2	3.596	1000	947.19	5.28
Aroclor-1016	3	4.045	1000	969.26	3.07
Aroclor-1016	4	4.438	1000	984.81	1.52
Aroclor-1016	5	4.685	1000	1019.42	1.94
Aroclor-1016	6	5.121	1000	1002.99	0.30
Aroclor-1016	7	5.514	1000	879.57	12.04
Aroclor-1016	8	5.725	1000	1011.80	1.18

Aroclor-1260	1	7.724	1000	986.05	1.39
Aroclor-1260	2	8.175	1000	1006.54	0.65
Aroclor-1260	3	9.040	1000	1020.54	2.05
Aroclor-1260	4	9.289	1000	1023.52	2.35
Aroclor-1260	5	9.420	1000	1100.60	10.06
Aroclor-1260	6	9.900	1000	1017.00	1.70
Aroclor-1260	7	10.626	1000	986.82	1.32
Aroclor-1260	8	11.095	1000	939.83	6.02

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.202	100	104.53	4.53
Decachlorobiphenyl(sur	11.526	100	95.22	4.78

## GC ORGANICS RETENTION TIME CHECK

Instrument ID: PESTGC9.i

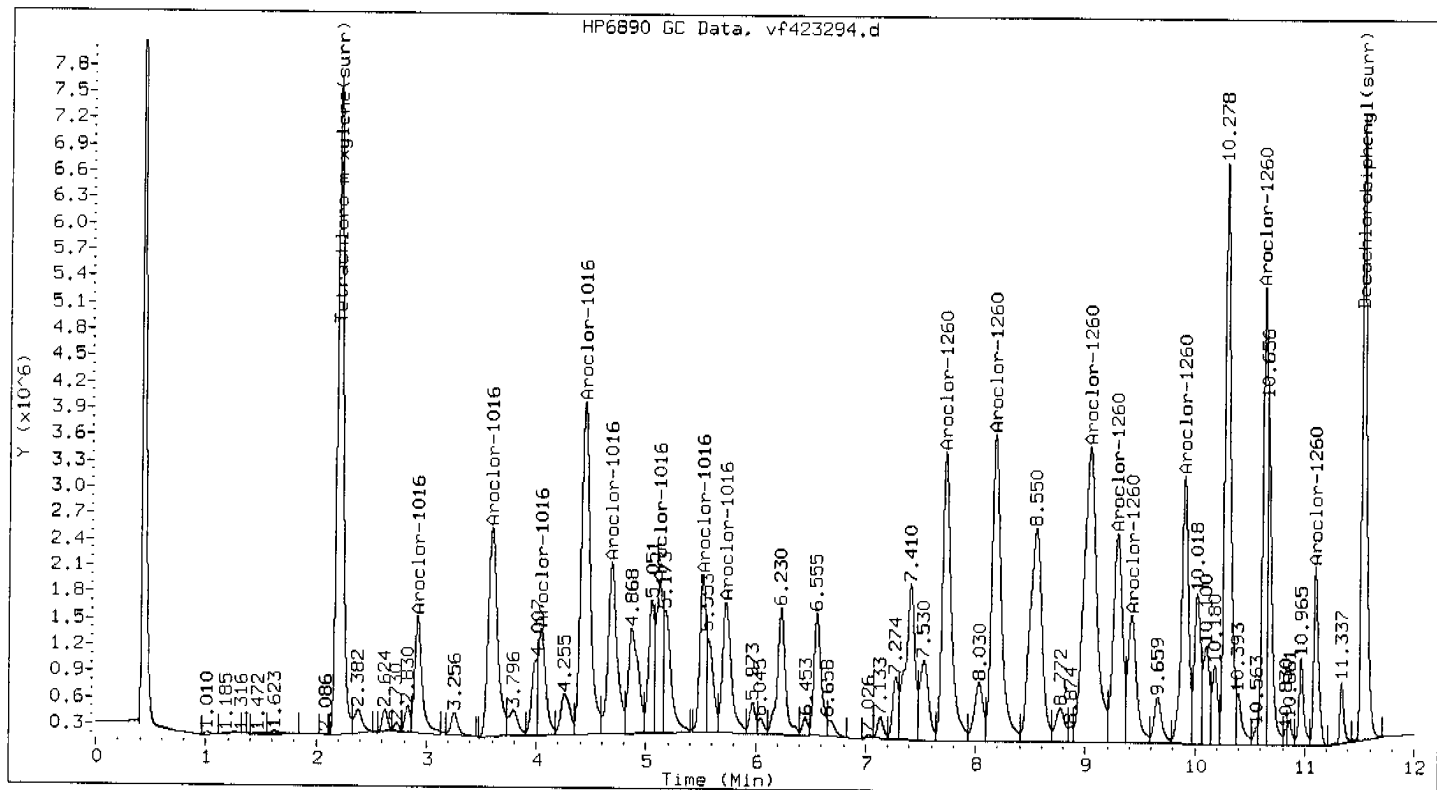
Midpoint Calibration File: /chem1/PESTGC9.i/8082/front/Aug07/08-15-07aical/15aug07a.b/vf423099.d

Injection Date: 15-AUG-2007 13:02

Continuing Calibration File: /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07c.b/vf423294.d

Injection Date: 20-AUG-2007 19:10

Compound	Init Cal RT	RT Range	Cont Cal RT	Flags
Aroclor-1016	2.919	( 2.849 - 2.989 )	2.919	
	3.598	( 3.528 - 3.668 )	3.596	
	4.048	( 3.978 - 4.118 )	4.045	
	4.440	( 4.370 - 4.510 )	4.438	
	4.689	( 4.619 - 4.759 )	4.685	
	5.125	( 5.055 - 5.195 )	5.121	
	5.519	( 5.449 - 5.589 )	5.514	
	5.729	( 5.659 - 5.799 )	5.725	
-----				
Aroclor-1260	7.731	( 7.661 - 7.801 )	7.724	
	8.183	( 8.113 - 8.253 )	8.175	
	9.051	( 8.981 - 9.121 )	9.040	
	9.300	( 9.230 - 9.370 )	9.289	
	9.430	( 9.360 - 9.500 )	9.420	
	9.908	( 9.838 - 9.978 )	9.900	
	10.633	(10.563 - 10.703 )	10.626	
	11.111	(11.041 - 11.181 )	11.095	
-----				
Tetrachloro-m-xylene(surr)	2.200	( 2.150 - 2.250 )	2.202	
-----				
Decachlorobiphenyl(surr)	11.557	(11.457 - 11.657 )	11.526	
-----				



Method : /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07c.b/06Vf8082.m  
 Sample Info : SG1660L3\_00002C  
 Lab ID : SG1660L3\_00002C  
 Inj Date : 20-AUG-2007 19:10  
 Operator : 615  
 Cpnd Sublist: AR16600S

Inst ID : PESTGC9.i  
 Dil Factor : 1  
 Sample Matrix : SOIL  
 Sample Type: CCALIB\_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
Aroclor-1016 (M)	2.919	2.919	0.000	6202062	930.434	930.434
(2)	3.596	3.596	0.000	14175728	947.187	947.187
(3)	4.045	4.045	0.000	5875107	969.264	969.264
(4)	4.438	4.438	0.000	21946713	984.812	984.812
(5)	4.685	4.685	0.000	11017524	1019.416	1019.416
(6)	5.121	5.121	0.000	6988957	1002.992	1002.992
(7)	5.514	5.514	0.000	6846851	879.567	879.567
(8)	5.725	5.725	0.000	8422629	1011.801	1011.801

Average of peak concentrations:

970.00

Aroclor-1260 (M)	7.724	7.724	0.000	18402368	986.054	986.054
(2)	8.175	8.175	0.000	20959778	1006.540	1006.540
(3)	9.040	9.040	0.000	27427397	1020.541	1020.541
(4)	9.289	9.289	0.000	13829088	1023.519	1023.519
(5)	9.420	9.420	0.000	8227357	1100.596	1100.596
(6)	9.900	9.900	0.000	13589952	1016.999	1016.999



Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/L)	FINAL (ug/kg)
(7)	10.626	10.626	0.000	15118014	986.824	986.824
(8)	11.095	11.095	0.000	6074931	939.832	939.832
Average of peak concentrations:						1000.00
Tetrachloro-m-xylene(surr)	2.202	2.202	0.000	28422705	104.526	104.526
Decachlorobiphenyl(surr)	11.526	11.526	0.000	21008350	95.218	95.218

COMMENTS:

M - Compound response manually integrated.

MULTICOMPONENT COMPOUND CONTINUING CALIBRATION REPORT

Data File: /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07c.b/vf423294.d  
 Method: /chem1/PESTGC9.i/8082/front/Aug07/08-18-07/18aug07c.b/06Vf8082.m

Sample Information: SG1660L3\_00002C  
 Injection Date: 20-AUG-2007 19:10

Compound	Signal No.	RT	Exp Conc	Actual Conc	Percent Diff.
Aroclor-1016	1	2.919	1000	930.43	6.96
Aroclor-1016	2	3.596	1000	947.19	5.28
Aroclor-1016	3	4.045	1000	969.26	3.07
Aroclor-1016	4	4.438	1000	984.81	1.52
Aroclor-1016	5	4.685	1000	1019.42	1.94
Aroclor-1016	6	5.121	1000	1002.99	0.30
Aroclor-1016	7	5.514	1000	879.57	12.04
Aroclor-1016	8	5.725	1000	1011.80	1.18

Aroclor-1260	1	7.724	1000	986.05	1.39
Aroclor-1260	2	8.175	1000	1006.54	0.65
Aroclor-1260	3	9.040	1000	1020.54	2.05
Aroclor-1260	4	9.289	1000	1023.52	2.35
Aroclor-1260	5	9.420	1000	1100.60	10.06
Aroclor-1260	6	9.900	1000	1017.00	1.70
Aroclor-1260	7	10.626	1000	986.82	1.32
Aroclor-1260	8	11.095	1000	939.83	6.02

Surrogate	RT	Exp Conc	Actual Conc	Percent Diff.
Tetrachloro-m-xylene(s	2.202	100	104.53	4.53
Decachlorobiphenyl(sur	11.526	100	95.22	4.78

## Injection Log Book

SP230X

**PEST Extractions**

STL Edison

Matrix: SOLID

Job #: K084

Client: ARCADIS U.S., Inc.

Refrigerator:

TBA Initials: J-H

TBA Date: 8-18-07

Analytical Method: 8082

Prep Method: 3550B/3541

QA Batch: 5815

Exit Initials: J-H

F/B Initials: J-H

Acid Initials: J-H

Extraction Log Book:

Surr Lot#/Amount: SP1476 / 500g

Spike Lot#/Amount: SP1474 / 500g

Clean-up Log Book:

Florisol Date:

Florisol Initials:

Sample ID	Extract Date	Sample Amount	Final Volume	Spike		Florisol		Comments	Soxtherm Position	pH Herb
				Initial	Witness	Sample Amount	Final Volume			
854473	8-18-07	15.0g	10 mL	J-H	KH			PCBs		
854474								PCBs		
854475								PCBs		
854476								EXTRACT/HOLD		
854477								EXTRACT/HOLD		
854478								EXTRACT/HOLD		
854479								EXTRACT/HOLD		
854480								PCBs		
854481								PCBs		
854482								EXTRACT/HOLD		
854483								PCBs		
854484								EXTRACT/HOLD		
854485 *								EXTRACT/HOLD		
854486								MS/MSD: EXTRACT/HOLD		
854487								PCBs		
854488								EXTRACT/HOLD		
854489								PCBs		
854485 MS								PCBs		
↓ MS								PCBs		
BS-5815		300g						↓		
SP230X		30.0g						↓		

Extracted By: Jaime Horvath  
KH 8/18/07

Relinquished By/Date: J-H 8-18-07

Received By/Date:

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.i  
Analytical Batch: /chem1/PESTGC9.i/8082/year/Aug07/08-15-07a/cal/15aug07a.b

Date Generated: 08/16/2007  
Page 1

Date	Data File	ALS	Sample ID	Job #	QA	LPB	EXT. Date	IV/ IW	FV	DIL. FAC	SampleType	LOT	COMMENTS
08/15/07	0952	VR423093	31	HEXANE	15au	15aug07a		15	10	1	SAMPLE		
08/15/07	1008	VR423094	32	SGINSTBLK_00002A		15aug07a		15	10	1	INSTBLANK		END
08/15/07	1023	VR423095	33	SG1660L3_00002A	15au	15aug07a		15	10	1	SAMPLE		not used
08/15/07	1216	VR423096	31	SGINSTBLK_00002A	15au	15aug07a		15	10	1	SAMPLE		END
08/15/07	1231	VR423097	32	SG1660L1_00002A				0	0	1	CALIB_1		updated
08/15/07	1247	VR423098	33	SG1660L2_00002A				0	0	1	CALIB_2		
08/15/07	1302	VR423099	34	SG1660L3_00002A				0	0	1	CALIB_3		
08/15/07	1317	VR423100	35	SG1660L4_00002A				0	0	1	CALIB_4		
08/15/07	1333	VR423101	36	SG1660L5_00002A				0	0	1	CALIB_5		
08/15/07	1348	VR423102	37	SG122L3_00004A				0	0	1	CALIB_3		updated
08/15/07	1403	VR423103	38	SG1232L3_00002A				0	0	1	CALIB_3		
08/15/07	1419	VR423104	39	SG1242L3_00001A				0	0	1	CALIB_3		
08/15/07	1434	VR423105	40	SG1248L3_00001A				0	0	1	CALIB_3		
08/15/07	1449	VR423106	41	SG1254L3_00001A				0	0	1	CALIB_3		

D. Stan H  
A-16-07  
Sita Nupur 08-16-07

STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTOC9.1  
Analytical Batch: /chem/PESTOC9.1/8082/rear/Aug07/08-15-07a/cal/15aug07a.b

Date Generated: 08/16/2007  
Page 2

Date	Data File	ALS	Sample ID	Job #	QA	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
08/15/07	1505	vr423107	42 SG1262L3_00002A	5	-	-	-	0	0	1	CALIB_3	-	up dated
08/15/07	1520	vr423108	43 SG1268L3_00002A	5	-	-	-	0	0	1	CALIB_3	-	
08/15/07	1536	vr423109	44 SGPCB-ICV_00002A	5	SGPCB-IC	-	-	15	10	1	BS	-	Q

Signed: B. Shachtli Read and Understood by: Sita Kasper

Date: 8-16-07 Date: 08-16-07

Instrument ID: PESTGC9.1  
Analytical Batch: /chem/PESTGC9.1/8082/rear/Aug07/08-18-07/18aug07b.b

Date Generated: 08/21/2007  
Page 1

Date	Data File	ALS	Sample ID	Job #	QA	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
08/20/07	1127 VR423265	16	SGINSTBLK_00002B			18aug07b		15	10	1	INSTBLANK		CanO
08/20/07	1142 VR423266	17	SG166013_00002B					0	0	1	COALIB_3		CanO
08/20/07	1215 VR423267	1	hexane	18au		18aug07b		15	10	1	SAMPLE		CanO
08/20/07	1231 VR423268	2	SP230X			SP230X	08/18/07	15	10	1	BLANK		CanO
08/20/07	1246 VR423269	3	854485	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		CanO
08/20/07	1301 VR423270	4	854485MS	K084	5815	SP230X	08/18/07	15	10	1	MS		CanO
08/20/07	1317 VR423271	5	854485MSD	K084	5815	SP230X	08/18/07	15	10	1	MSD		CanO
08/20/07	1332 VR423272	6	854473	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		CanO
08/20/07	1347 VR423273	7	854474	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		CanO
08/20/07	1402 VR423274	8	854475	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		CanO
08/20/07	1418 VR423275	9	854476	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		CanO
08/20/07	1433 VR423276	10	854477	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		CanO
08/20/07	1449 VR423277	11	854478	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		CanO
08/20/07	1504 VR423278	12	854479	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		CanO

10 Salt  
8-21-07

Site hauls 08/21/07

ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PRSTGC9.1

Aug Analytical Batch: /chem1/PRSTGC9.1/8082/year/Aug07/08-18-07/18aug07b.b

Date Generated: 08/21/2007

Page 2

Date	Data File	ALS	Sample ID	Job #	QA	LFB	Exc. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
08/20/07	1519 VT423279	13	854480 ✓	K084	5815	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG
08/20/07	1535 VT423280	14	854481	K084	5815	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG
08/20/07	1550 VT423281	15	854482 ✓	K084	5815	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG
08/20/07	1606 VT423282	16	854483	K084	5815	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG
08/20/07	1621 VT423283	17	854484	K084	5815	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG
08/20/07	1636 VT423284	18	854486 ✓	K084	5815	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG
08/20/07	1652 VT423285	19	854487	K084	5815	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG
08/20/07	1707 VT423286	20	854488 ✓	K084	5815	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG
08/20/07	1722 VT423287	21	HEXANE	18au	-	18aug07b	-	15	10	1	SAMPLE	-	-
08/20/07	1738 VT423288	22	HEXANE	18au	-	18aug07b	-	15	10	1	SAMPLE	-	-
08/20/07	1753 VT423289	23	HEXANE	18au	-	18aug07b	-	15	10	1	SAMPLE	-	-
08/20/07	1808 VT423290	24	HEXANE	18au	-	18aug07b	-	15	10	1	SAMPLE	-	-
08/20/07	1824 VT423291	25	HEXANE	18au	-	18aug07b	-	15	10	1	SAMPLE	-	-
08/20/07	1839 VT423292	26	5815BS	-	5815BS	SP230X	08/18/07 15	10	10	1	SAMPLE	-	GENG

Signed: *BEH*

Read and Understood by: *Sta Weber 08/21/07*



STL EDISON  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC9.1

Analytical Batch: c:/cheml/PESTGC9.1/8082/rear/Aug07/08-18-07/18aug07c.b

Date Generated: 08/21/2007

Page 1

Date	Data File	ALS	Sample ID	Job #	QA	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
08/20/07 1854	vr423293	27	SGINSTBLK_0000C			18aug07c		15	10	1	INSTBLANK		GENO
08/20/07 1910	vr423294	28	SG1660I3_00002C					0	0	1	COALIB_3		GENO
08/20/07 1925	vr423295	29	SP230Z				08/18/07	15	10	1	BLANK		GENO
08/20/07 1941	vr423296	30	854490	K084	5804	SP230Z	08/18/07	15	10	1	SAMPLE		GENO
08/20/07 1956	vr423297	31	854491	K084	5804	SP230Z	08/18/07	15	10	1	SAMPLE		GENO
08/20/07 2011	vr423298	32	854492	K084	5804	SP230Z	08/18/07	15	10	1	SAMPLE		GENO
08/20/07 2027	vr423299	33	854493	K084	5804	SP230Z	08/18/07	15	10	1	SAMPLE		GENO
08/20/07 2042	vr423300	34	854494	K084	5804	SP230Z	08/18/07	15	10	1	SAMPLE		GENO
08/20/07 2057	vr423301	35	854495	K084	5804	SP230Z	08/18/07	15	10	1	SAMPLE		GENO
08/20/07 2113	vr423302	36	854489	K084	5815	SP230X	08/18/07	15	10	1	SAMPLE		GENO
08/20/07 2126	vr423303	37	hexane	18au		18aug07c		15	10	1	SAMPLE		GENO
08/20/07 2144	vr423304	38	HEXANE	18au		18aug07c		15	10	1	SAMPLE		GENO
08/20/07 2159	vr423305	39	HEXANE	18au		18aug07c		15	10	1	SAMPLE		GENO
08/20/07 2214	vr423306	40	HEXNE	18au		18aug07c		15	10	1	SAMPLE		GENO

P-864H  
8-21-07

Sika Hardener 8/21/07

Percent Solids Log

Job Number	Sample Number	Bottle ID	Tare Weight (g)	Wet Weight (g)	Dry Weight (g)	Percent Solids (%)	Percent Moisture (%)
BLANK		186	1.04	5.92	5.92	100	0
J785	852578	287	1.03	5.26	4.49	85.4	14.6
J785	852580	290	1.07	5.89	4.88	82.9	17.1
J785	852582	308	1.05	5.15	4.17	81	19
K018	854037	284	1.05	4.25	3.35	78.8	21.2
K018	854038	311	1.01	5.04	4.69	93.1	6.9
K018	854039	213	1.04	5.04	4.69	93.1	6.9
K018	854040	189	1.07	3.5	3	85.7	14.3
K018	854041	123	1.04	4.48	3.87	86.4	13.6
K018	854042	10	1.03	5.57	4.43	79.5	20.5
K018	854048	305	1.03	3.22	2.66	82.6	17.4
K018	854051	46	1.04	3.13	2.33	74.4	25.6
K018	854052	14	1.01	5.09	4.7	92.3	7.7
K058	854341	261	1.02	5.01	4.64	92.6	7.4
K058	854342	359	1.08	4.4	3.26	74.1	25.9
K058	854343	61	1.05	4.47	3.54	79.2	20.8
K058	854344	195	1.06	3.15	2.7	85.7	14.3
K058	854345	155	1.02	4.16	3.4	81.7	18.3
K058	854346	179	1.04	3.97	2.49	62.7	37.3
K058	854347	359	1.08	4.4	3.26	74.1	25.9
K058	854348	54	1.03	5.8	5.05	87.1	12.9
K058	854349	335	1.02	5.78	5.34	92.4	7.6
K058	854350	140	1.04	3.95	3.56	90.1	9.9
K058	854351	352	1.08	3.29	2.66	80.9	19.1
K058	854352	292	1.04	5.19	4.78	92.1	7.9
K058	854353	141	1.04	5.03	4.41	87.7	12.3
K058	854354	209	1.03	5.95	5.76	96.8	3.2
K058	854355	109	1.07	5.45	4.66	85.5	14.5
K058	854356	173	1.05	4.59	4.02	87.6	12.4
K058	854357	30	1.03	3.58	1.79	50	50
K058	854358	297	1.05	5.85	4.98	85.1	14.9
K058	854359	15	1.03	5.12	4.38	85.5	14.5
K058	854360	317	0.96	5.56	4.84	87.1	12.9
K058	854361	38	1.07	5.53	4.88	88.2	11.8
K058	854362	218	1.06	4.69	4.16	88.7	11.3
K084	854473	80	1.02	5.46	3.76	68.9	31.1
K084	854474	126	1.03	5.04	3.43	68.1	31.9
K084	854475	167	1.04	5.07	3.85	75.9	24.1
K084	854476	174	1.05	5.05	3.64	72.1	27.9
K084	854477	269	1.04	5.2	2.98	57.3	42.7
K084	854478	306	1.05	5.29	4.22	79.8	20.2
K084	854479	231	1.04	5.51	4.56	82.8	17.2



## **Metals Forms and Data**

Analytical Results Summary

Client ID: SED-WC-1  
Site: National Grid

Lab Sample No: 854473  
Lab Job No: K084

Date Sampled: 08/16/07  
Date Received: 08/17/07

Matrix: LEACHATE  
Level: LOW

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

METALS ANALYSIS

<u>Analyte</u>	<u>Analytical Result Units: mg/l</u>	<u>Regulatory Level Units: mg/l</u>	<u>Instrument Detection Limit</u>	<u>Qual</u>	<u>M</u>
Arsenic	ND	5.0	0.016		P
Barium	0.61	100.0	0.0085	B	P
Cadmium	ND	1.0	0.0020		P
Chromium	ND	5.0	0.0080		P
Lead	0.02	5.0	0.013	B	P
Mercury	ND	0.2	0.00010		CV
Selenium	ND	1.0	0.021		P
Silver	ND	5.0	0.0070		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)  
M Column - Method Code (See Section 2 of Report)

## Blank Results Summary

BLANKS

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_ Lab Job No.: \_K084

Batch No.: 23123\_

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
			1	C	2	C	3	C			
Aluminum											NR
Antimony											NR
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Beryllium											NR
Cadmium	0.4	U	0.4	U	-0.4	B	0.4	U	-0.551	B	P
Calcium											NR
Chromium	1.6	U	1.6	U	1.6	U	1.6	U	1.600	U	P
Cobalt											NR
Copper											NR
Iron											NR
Lead	2.7	U	2.7	U	2.7	U	2.7	U	2.700	U	P
Magnesium											NR
Manganese											NR
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.100	U	CV
Nickel											NR
Potassium											NR
Selenium	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	1.400	U	P
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Molybdenu											NR

BLANKS

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_ Lab Job No.: K084 \_\_\_\_\_ Batch No.: 23123\_

Preparation Blank Matrix (soil/water): \_\_\_\_\_

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
			1	C	2	C	3	C			
Aluminum											
Antimony										NR	
Arsenic			3.2	U	3.2	U				P	
Barium			1.7	U	1.7	U				P	
Beryllium										NR	
Cadmium			-0.5	B	0.4	U				P	
Calcium										NR	
Chromium			1.6	U	1.6	U				P	
Cobalt										NR	
Copper										NR	
Iron										NR	
Lead			2.7	U	2.7	U				P	
Magnesium										NR	
Manganese										NR	
Mercury	0.1	U	0.1	U						CV	
Nickel										NR	
Potassium										NR	
Selenium			4.2	U	4.2	U				P	
Silver			1.4	U	1.4	U				P	
Sodium										NR	
Thallium										NR	
Vanadium										NR	
Zinc										NR	
Molybdenu										NR	



BLANKS

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_ Lab Job No.: \_K084 \_\_\_\_\_ Batch No.: 23123\_

Preparation Blank Matrix (soil/water): \_\_\_\_\_

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Preparation Blank	C	M
			1	C	2	C	3	C			
Aluminum											
Antimony										NR	
Arsenic	3.2	U	3.2	U	3.6	B	3.2	U		P	
Barium	1.7	U	1.7	U	1.7	U	1.7	U		P	
Beryllium										NR	
Cadmium	0.5	B	0.4	U	0.4	U	0.4	U		P	
Calcium										NR	
Chromium	1.6	U	1.6	U	1.6	U	1.6	U		P	
Cobalt										NR	
Copper										NR	
Iron										NR	
Lead	2.7	U	2.7	U	2.7	U	2.7	U		P	
Magnesium										NR	
Manganese										NR	
Mercury										NR	
Nickel										NR	
Potassium										NR	
Selenium	4.2	U	4.2	U	4.2	U	4.2	U		P	
Silver	1.4	U	1.4	U	1.4	U	1.4	U		P	
Sodium										NR	
Thallium										NR	
Vanadium										NR	
Zinc										NR	
Molybdenu										NR	

## Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_\_

Lab Job No.: K084

Batch No.: 23123\_\_

Initial Calibration Source: INORG VENT\_\_

Continuing Calibration Source: INORG VENT\_\_

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic	5000.0	4873.10	97.5	5000.0	4878.51	97.6	4897.25	97.9	P
Barium	10000.0	9737.70	97.4	10000.0	9848.46	98.5	9928.32	99.3	P
Beryllium									NR
Cadmium	2500.0	2501.06	100.0	2500.0	2484.75	99.4	2473.68	98.9	P
Calcium									NR
Chromium	5000.0	4949.92	99.0	5000.0	4985.51	99.7	4968.25	99.4	P
Cobalt									NR
Copper									NR
Iron									NR
Lead	10000.0	9989.04	99.9	10000.0	10117.58	101.2	10089.08	100.9	P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.20	104.0	5.0	5.24	104.8	5.22	104.4	CV
Nickel									NR
Potassium									NR
Selenium	5000.0	4972.88	99.5	5000.0	4999.72	100.0	5027.18	100.5	P
Silver	1250.0	1228.11	98.2	1250.0	1237.09	99.0	1244.20	99.5	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_

Lab Job No.: K084

Batch No.: 23123\_

Initial Calibration Source: INORG VENT\_\_

Continuing Calibration Source: INORG VENT\_\_

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				5000.0	4889.62	97.8	4957.56	99.2	P
Barium				10000.0	9900.32	99.0	9963.72	99.6	P
Beryllium									NR
Cadmium				2500.0	2474.64	99.0	2507.30	100.3	P
Calcium									NR
Chromium				5000.0	4962.37	99.2	5029.73	100.6	P
Cobalt									NR
Copper									NR
Iron									NR
Lead				10000.0	9866.66	98.7	10237.54	102.4	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.21	104.2			CV
Nickel									NR
Potassium									NR
Selenium				5000.0	4903.65	98.1	5070.48	101.4	P
Silver				1250.0	1237.72	99.0	1249.11	99.9	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_      Lab Job No.: K084      Batch No.: 23123\_

Initial Calibration Source:      INORG VENT\_\_

Continuing Calibration Source:      INORG VENT\_\_

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic				5000.0	4919.41	98.4			P
Barium				10000.0	9906.49	99.1			P
Beryllium									NR
Cadmium				2500.0	2494.52	99.8			P
Calcium									NR
Chromium				5000.0	4978.78	99.6			P
Cobalt									NR
Copper									NR
Iron									NR
Lead				10000.0	10128.12	101.3			P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.21	104.2	5.0	5.23	104.6			CV
Nickel									NR
Potassium									NR
Selenium				5000.0	5025.52	100.5			P
Silver				1250.0	1237.25	99.0			P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenum									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_      Lab Job No.: K084      Batch No.: 23123\_

Initial Calibration Source:      INORG VENT\_\_

Continuing Calibration Source:      INORG VENT\_\_

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic	5000.0	4982.22	99.6	5000.0	4958.86	99.2	5097.24	101.9	P
Barium	10000.0	10042.62	100.4	10000.0	10193.75	101.9	10103.02	101.0	P
Beryllium									NR
Cadmium	2500.0	2520.49	100.8	2500.0	2473.06	98.9	2571.93	102.9	P
Calcium									NR
Chromium	5000.0	5055.64	101.1	5000.0	5180.29	103.6	5180.54	103.6	P
Cobalt									NR
Copper									NR
Iron									NR
Lead	10000.0	10184.37	101.8	10000.0	10172.52	101.7	10521.17	105.2	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium	5000.0	5091.50	101.8	5000.0	5055.57	101.1	5215.18	104.3	P
Silver	1250.0	1261.08	100.9	1250.0	1277.24	102.2	1272.39	101.8	P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_      Lab Job No.: K084      Batch No.: 23123\_

Initial Calibration Source:      INORG VENT\_\_

Continuing Calibration Source:      INORG VENT\_\_

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration				M	
	True	Found	%R(1)	True	Found	%R(1)	Found		%R(1)
Aluminum									NR
Antimony									NR
Arsenic				5000.0	5010.97	100.2			P
Barium				10000.0	10139.30	101.4			P
Beryllium									NR
Cadmium				2500.0	2518.59	100.7			P
Calcium									NR
Chromium				5000.0	5115.53	102.3			P
Cobalt									NR
Copper									NR
Iron									NR
Lead				10000.0	10283.06	102.8			P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				5000.0	5132.38	102.6			P
Silver				1250.0	1271.22	101.7			P
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

## ICP Interference Check Results Summary



ICP INTERFERENCE CHECK SAMPLE

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_ Lab Job No.: \_K084 \_\_\_\_\_ Batch No.: 23123\_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT\_\_

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000	509286	518521.1	103.7	515916	512902.4	102.6
Antimony		100		97.7	97.7		95.7	95.7
Arsenic		100		93.9	93.9		91.0	91.0
Barium		100		106.5	106.5		104.1	104.1
Beryllium		100		100.7	100.7		99.9	99.9
Cadmium		100		98.6	98.6		97.0	97.0
Calcium	500000	500000	494390	503416.1	100.7	501747	501263.8	100.3
Chromium		100		103.0	103.0		102.2	102.2
Cobalt		100		99.0	99.0		98.4	98.4
Copper		100		103.6	103.6		102.0	102.0
Iron	200000	200000	201983	205322.5	102.7	205452	204880.6	102.4
Lead		100		92.8	92.8		91.4	91.4
Magnesium	500000	500000	541637	549768.5	110.0	552157	548431.0	109.7
Manganese		100		101.7	101.7		100.3	100.3
Mercury								
Nickel		100		109.4	109.4		110.1	110.1
Potassium		10000		10405.4	104.1		10204.0	102.0
Selenium		100		99.4	99.4		95.1	95.1
Silver		100		102.7	102.7		101.3	101.3
Sodium		10000		10224.8	102.2		10140.2	101.4
Thallium		100		95.8	95.8		101.1	101.1
Vanadium		100		102.7	102.7		101.7	101.7
Zinc		100		101.2	101.2		98.5	98.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_ Lab Job No.: K084 \_\_\_\_\_ Batch No.: 23123\_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT\_\_

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000				509772	516524.4	103.3
Antimony		100					96.5	96.5
Arsenic		100					95.0	95.0
Barium		100					105.6	105.6
Beryllium		100					100.5	100.5
Cadmium		100					96.9	96.9
Calcium	500000	500000				491412	502262.4	100.5
Chromium		100					101.9	101.9
Cobalt		100					98.9	98.9
Copper		100					103.9	103.9
Iron	200000	200000				201296	205906.8	103.0
Lead		100					90.0	90.0
Magnesium	500000	500000				537928	550895.8	110.2
Manganese		100					100.9	100.9
Mercury								
Nickel		100					109.8	109.8
Potassium		10000					10224.2	102.2
Selenium		100					101.9	101.9
Silver		100					102.2	102.2
Sodium		10000					10225.1	102.3
Thallium		100					94.5	94.5
Vanadium		100					102.8	102.8
Zinc		100					98.0	98.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TEST\_AMERICA\_\_\_\_\_

Lab Code: 12028\_ Lab Job No.: K084 \_\_\_\_\_ Batch No.: 23123\_

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT\_\_

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Aluminum	500000	500000	521323	525478.2	105.1	520046	527246.9	105.4
Antimony		100		98.7	98.7		100.0	100.0
Arsenic		100		100.6	100.6		98.2	98.2
Barium		100		107.8	107.8		108.2	108.2
Beryllium		100		103.9	103.9		106.2	106.2
Cadmium		100		101.2	101.2		102.0	102.0
Calcium	500000	500000	509803	513931.4	102.8	506828	522060.5	104.4
Chromium		100		105.2	105.2		106.1	106.1
Cobalt		100		100.7	100.7		101.1	101.1
Copper		100		106.4	106.4		108.9	108.9
Iron	200000	200000	209153	210849.5	105.4	208958	214376.2	107.2
Lead		100		92.8	92.8		91.4	91.4
Magnesium	500000	500000	565198	566937.3	113.4	565447	578503.0	115.7
Manganese		100		103.9	103.9		105.3	105.3
Mercury								
Nickel		100		110.3	110.3		111.2	111.2
Potassium		10000		10554.2	105.5		10599.3	106.0
Selenium		100		96.8	96.8		102.1	102.1
Silver		100		105.2	105.2		106.8	106.8
Sodium		10000		10372.3	103.7		10388.9	103.9
Thallium		100		99.5	99.5		93.8	93.8
Vanadium		100		104.0	104.0		106.3	106.3
Zinc		100		103.1	103.1		104.4	104.4

## Spike Sample Recovery Summary

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSL082407

Lab Name: TEST\_AMERICA

Lab Code: 12028 Lab Job No.: K084

Batch No.: 23123

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic	75-125	5109.9040	32.0000 U	5000.00	102.2		P
Barium	75-125	10210.3180	331.5200 B	10000.00	98.8		P
Beryllium							NR
Cadmium	75-125	1084.9860	4.0000 U	1000.00	108.5		P
Calcium							NR
Chromium	75-125	5179.9210	271.5500 B	5000.00	98.2		P
Cobalt							NR
Copper							NR
Iron							NR
Lead	75-125	5343.5400	96.0200 B	5000.00	105.0		P
Magnesium							NR
Manganese							NR
Mercury	75-125	5.1000	1.0000 U	5.00	102.0		CV
Nickel							NR
Potassium							NR
Selenium	75-125	1036.5850	42.0000 U	1000.00	103.7		P
Silver	75-125	504.0990	14.0000 U	500.00	100.8		P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Molybdenu							NR

Comments:

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SPIKE SAMPLE RECOVERY

LAB SAMPLE NO.

854473MS

Lab Name: TEST\_AMERICA

Lab Code: 12028 Lab Job No.: K084

Batch No.: 23123

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony							NR
Arsenic	75-125	5153.3900	16.0000 U	5000.00	103.1		P
Barium	75-125	11025.4800	613.8300 B	10000.00	104.1		P
Beryllium							NR
Cadmium	75-125	1067.6300	2.0000 U	1000.00	106.8		P
Calcium							NR
Chromium	75-125	5128.2000	8.0000 U	5000.00	102.6		P
Cobalt							NR
Copper							NR
Iron							NR
Lead	75-125	5321.9600	17.9500 B	5000.00	106.1		P
Magnesium							NR
Manganese							NR
Mercury	75-125	5.2800	0.1000 U	5.00	105.6		CV
Nickel							NR
Potassium							NR
Selenium	75-125	1060.1650	21.0000 U	1000.00	106.0		P
Silver	75-125	505.7350	7.0000 U	500.00	101.1		P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR
Molybdenu							NR

Comments:

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## Sample and MS Duplicate Results Summary

LAB SAMPLE NO.

DUPLICATES

854473D

Lab Name: TEST\_AMERICA

Lab Code: 12028 Lab Job No.: K084

Batch No.: 23123

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								
Antimony								NR
Arsenic		16.0000	U	16.0000	U			NR
Barium	200.0	613.8300	B	600.4050	B	2.2		P
Beryllium								NR
Cadmium		2.0000	U	2.0000	U			P
Calcium								NR
Chromium		8.0000	U	8.0000	U			P
Cobalt								NR
Copper								NR
Iron								NR
Lead		17.9500	B	13.5000	U	200.0		P
Magnesium								NR
Manganese								NR
Mercury		0.1000	U	0.1000	U			CV
Nickel								NR
Potassium								NR
Selenium		21.0000	U	21.0000	U			P
Silver		7.0000	U	7.0000	U			P
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Molybdenum								NR



## Serial Dilution Summary

LAB SAMPLE NO.

ICP SERIAL DILUTION

854473L

Lab Name: TEST\_AMERICA

Lab Code: 12028 Lab Job No.: K084

Batch No.: 23123

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony							NR
Arsenic	3.20	U	16.00	U			P
Barium	122.77	B	123.08	B	0.3		P
Beryllium							NR
Cadmium	0.40	U	2.00	U			P
Calcium							NR
Chromium	1.60	U	8.00	U			P
Cobalt							NR
Copper							NR
Iron							NR
Lead	3.59	B	18.92	B	427.0		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium	4.20	U	21.00	U			P
Silver	1.40	U	7.00	U			P
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

## Analysis Run Log

ANALYSIS RUN LOG

Lab Name: TEST\_AMERICA\_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: 12028\_ Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 23123\_

Instrument ID Number: TRACE3 TJA61\_

Method: P\_

Start Date: 08/24/07

End Date: 08/24/07

EPA Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G	A A	N L	T L	V N	Z O	M O		
3CAL-BLK	1.00	1107		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
T3CAL1	1.00	1113		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
T3CAL2	1.00	1119		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
T3CAL3	1.00	1125		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1132																											
ICV/CCV	1.00	1138				X	X		X		X										X	X							
ICB/CCB	1.00	1144				X	X		X		X										X	X							
ICSA	1.00	1150				X	X		X		X										X	X							
ICSAB	1.00	1158				X	X		X		X										X	X							
ZZZZZZ	1.00	1204																			X	X							
ZZZZZZ	1.00	1210																											
ZZZZZZ	1.00	1217																											
ZZZZZZ	1.00	1223																											
ZZZZZZ	1.00	1229																											
ZZZZZZ	5.00	1235																											
ZZZZZZ	1.00	1241																											
ZZZZZZ	1.00	1247																											
CCV	1.00	1253				X	X		X		X										X	X							
CCB	1.00	1259				X	X		X		X										X	X							
ZZZZZZ	1.00	1306																											
ZZZZZZ	1.00	1312																											
ZZZZZZ	1.00	1318																											
ZZZZZZ	1.00	1324																											
ZZZZZZ	1.00	1330																											
ZZZZZZ	1.00	1336																											
ZZZZZZ	1.00	1343																											
ZZZZZZ	1.00	1350																											
ZZZZZZ	1.00	1356																											
ZZZZZZ	1.00	1402																											
CCV	1.00	1408				X	X		X		X										X	X							
CCB	1.00	1414				X	X		X		X										X	X							
ZZZZZZ	1.00	1420																											

ANALYSIS RUN LOG

Lab Name: TEST\_AMERICA\_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: 12028\_ Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 23123\_

Instrument ID Number: TRACE3 TJA61\_

Method: P\_

Start Date: 08/24/07

End Date: 08/24/07

EPA Sample No.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S A	A G	N A	T L	V L	Z N
ZZZZZZ	1.00	1426																								
ZZZZZZ	1.00	1432																								
ZZZZZZ	1.00	1439																								
ZZZZZZ	1.00	1445																								
ICSA	1.00	1451			X	X		X	X			X							X	X						
ICSAB	1.00	1457			X	X		X	X			X							X	X						
CCV	1.00	1503			X	X		X	X			X							X	X						
CCB	1.00	1509			X	X		X	X			X							X	X						
SL082407	1.00	1521			X	X		X	X			X							X	X						
BL082407	1.00	1528			X	X		X	X			X							X	X						
854473D	5.00	1534			X	X		X	X			X							X	X						
854473	5.00	1540			X	X		X	X			X							X	X						
854473L	5.00	1546			X	X		X	X			X							X	X						
854473MS	5.00	1552			X	X		X	X			X							X	X						
854467	10.00	1558			X	X		X	X			X							X	X						
854458	5.00	1604			X	X		X	X			X							X	X						
854459	5.00	1610			X	X		X	X			X							X	X						
854470	5.00	1616			X	X		X	X			X							X	X						
CCV	1.00	1623			X	X		X	X			X							X	X						
CCB	1.00	1629			X	X		X	X			X							X	X						
854471	5.00	1635			X	X		X	X			X							X	X						
854472	5.00	1641			X	X		X	X			X							X	X						
FB082207	1.00	1647			X	X		X	X			X							X	X						
TB082107	5.00	1653			X	X		X	X			X							X	X						
TB082207	5.00	1659			X	X		X	X			X							X	X						
ZZZZZZ	5.00	1705																								
ICSA	1.00	1712			X	X		X	X			X							X	X						
ICSAB	1.00	1718			X	X		X	X			X							X	X						
CCV	1.00	1724			X	X		X	X			X							X	X						
CCB	1.00	1730			X	X		X	X			X							X	X						

ANALYSIS RUN LOG

Lab Name: TEST\_AMERICA\_\_\_\_\_

Contract: \_\_\_\_\_

Lab Code: 12028\_ Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 23123\_

Instrument ID Number: TRACE3 TJA61\_

Method: P\_

Start Date: 08/25/07

End Date: 08/25/07

EPA Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G	A A	N L	T L	V L	Z N	M O		
3CAL-BLK	1.00	0240		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
T3CAL1	1.00	0246		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
T3CAL2	1.00	0252		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
T3CAL3	1.00	0258		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	0305																											
ICV/CCV	1.00	0311			X	X		X	X				X							X	X								
ICB/CCB	1.00	0317			X	X		X	X				X							X	X								
ICSA	1.00	0323			X	X		X	X				X							X	X								
ICSAB	1.00	0329			X	X		X	X				X							X	X								
ZZZZZZ	1.00	0335																		X	X								
ZZZZZZ	1.00	0341																											
ZZZZZZ	1.00	0348																											
854043	5.00	0354			X	X		X	X				X							X	X								
854044	5.00	0400			X	X		X	X				X							X	X								
854045	5.00	0406			X	X		X	X				X							X	X								
854046	5.00	0412			X	X		X	X				X							X	X								
854047	5.00	0418			X	X		X	X				X							X	X								
CCV	1.00	0425			X	X		X	X				X							X	X								
CCB	1.00	0431			X	X		X	X				X							X	X								
ZZZZZZ	1.00	0437																											
ZZZZZZ	1.00	0443																											
853892	5.00	0449																											
853332	5.00	0455			X	X		X	X				X							X	X								
853913	5.00	0501			X	X		X	X				X							X	X								
853924	5.00	0508			X	X		X	X				X							X	X								
853912	5.00	0514			X	X		X	X				X							X	X								
854792	5.00	0520			X	X		X	X				X							X	X								
855183	5.00	0526			X	X		X	X				X							X	X								
CCV	1.00	0532			X	X		X	X				X							X	X								
CCB	1.00	0538			X	X		X	X				X							X	X								
ICSA	1.00	0545			X	X		X	X				X							X	X								
ICSAB	1.00	0551			X	X		X	X				X							X	X								











Raw Data

BATCH 23118NT2 METHOD 200.7 23119NT2 METHOD 6010B  
 23080NT2 METHOD 200.7 23123NT1 METHOD 6010B

1	HSA	23118N2	SW846	08/24/07	11:32	S	CONC
2	ICV/CCV1	23118N2	SW846	08/24/07	11:38	S	CONC
3	ICB/CCB1	23118N2	SW846	08/24/07	11:44	S	CONC
4	ICSA1	23118N2	SW846	08/24/07	11:50	S	CONC
5	ICSAB1	23118N2	SW846	08/24/07	11:58	S	CONC
6	MCL	23118N2	SW846	08/24/07	12:04	S	CONC
7	MCL- 2	23118N2	SW846	08/24/07	12:10	S	CONC
8	INT- 20	23118N2	SW846	08/24/07	12:17	S	CONC
9	PBW082307- 118	23118N2	SW846	08/24/07	12:23	S	CONC
10	855009	23118N2	SW846	08/24/07	12:29	S	CONC
11	853176- 5- 119	23118N2	SW846	08/24/07	12:35	S	CONC
12	853028- 080	23118N2	SW846	08/24/07	12:41	S	CONC
13	853029	23118N2	SW846	08/24/07	12:47	S	CONC
14	CCV2	23118N2	SW846	08/24/07	12:53	S	CONC
15	CCB2	23118N2	SW846	08/24/07	12:59	S	CONC
16	853030	23118N2	SW846	08/24/07	13:06	S	CONC
17	853037	23118N2	SW846	08/24/07	13:12	S	CONC
18	853038	23118N2	SW846	08/24/07	13:18	S	CONC
19	853039	23118N2	SW846	08/24/07	13:24	S	CONC
20	853040	23118N2	SW846	08/24/07	13:30	S	CONC
21	853044	23118N2	SW846	08/24/07	13:36	S	CONC
22	853028- 1	23118N2	SW846	08/24/07	13:43	S	CONC
23	853061D- 119	23118N2	SW846	08/24/07	13:50	S	CONC
24	853061	23118N2	SW846	08/24/07	13:56	S	CONC
25	853061L	23118N2	SW846	08/24/07	14:02	S	CONC
26	CCV3	23118N2	SW846	08/24/07	14:08	S	CONC
27	CCB3	23118N2	SW846	08/24/07	14:14	S	CONC
28	853061MS	23118N2	SW846	08/24/07	14:20	S	CONC
29	853062	23118N2	SW846	08/24/07	14:26	S	CONC
30	853320	23118N2	SW846	08/24/07	14:32	S	CONC
31	853321	23118N2	SW846	08/24/07	14:39	S	CONC
32	853322	23118N2	SW846	08/24/07	14:45	S	CONC
33	ICSA2	23118N2	SW846	08/24/07	14:51	S	CONC
34	ICSAB2	23118N2	SW846	08/24/07	14:57	S	CONC
35	CCV4	23118N2	SW846	08/24/07	15:03	S	CONC
36	CCB4	23118N2	SW846	08/24/07	15:09	S	CONC
37	BSL082407	23118N2	SW846	08/24/07	15:21	S	CONC
38	PBL082407	23118N2	SW846	08/24/07	15:28	S	CONC
39	854473D- 5	23118N2	SW846	08/24/07	15:34	S	CONC
40	854473- 5	23118N2	SW846	08/24/07	15:40	S	CONC
41	854473L- 5	23118N2	SW846	08/24/07	15:46	S	CONC
42	854473MS- 5	23118N2	SW846	08/24/07	15:52	S	CONC
43	854467- 10	23118N2	SW846	08/24/07	15:58	S	CONC
44	854458- 5	23118N2	SW846	08/24/07	16:04	S	CONC
45	854459- 5	23118N2	SW846	08/24/07	16:10	S	CONC
46	854470- 5	23118N2	SW846	08/24/07	16:16	S	CONC
47	CCV5	23118N2	SW846	08/24/07	16:23	S	CONC
48	CCB5	23118N2	SW846	08/24/07	16:29	S	CONC
49	854471- 5	23118N2	SW846	08/24/07	16:35	S	CONC
50	854472- 5	23118N2	SW846	08/24/07	16:41	S	CONC
51	FB082207	23118N2	SW846	08/24/07	16:47	S	CONC
52	TB082107- 5	23118N2	SW846	08/24/07	16:53	S	CONC
53	TB082207- 5	23118N2	SW846	08/24/07	16:59	S	CONC

## 23123NT1.txt

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	TB082307- 5	23118N2	SW846	08/24/07	17: 05		S	CONC
55	ICSA3	23118N2	SW846	08/24/07	17: 12		S	CONC
56	ICSAB3	23118N2	SW846	08/24/07	17: 18		S	CONC
57	CCV6	23118N2	SW846	08/24/07	17: 24		S	CONC
58	CCB6	23118N2	SW846	08/24/07	17: 30		S	CONC

Analysis Report                      Averages                      08/24/07 05: 37: 24 PM                      page 3

#	Sample Name	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265
1	HSA	243600.	1941.	9596.	19040.	1932.	4774.
2	ICV/CCV1	126100.	L934. 1	4873.	9738.	995. 1	2501.
3	ICB/CCB1	36. 65	1. 214	. 1013	1. 523	-. 0232	. 0641
4	ICSA1	509300.	-4. 612	-5. 738	. 4124	-. 2130	-3. 912
5	ICSAB1	518500.	97. 67	93. 95	106. 5	100. 7	98. 60
6	MCL	881. 7	11. 45	5. 959	10. 13	10. 01	10. 22
7	MCL- 2	192. 6	6. 071	-. 0020	5. 081	4. 954	4. 917
8	INT- 20	44. 83	-42. 19	14. 95	. 2099	. 2413	-4. 055
9	PBW082307- 118	20. 23	-2. 099	-2. 349	-. 2395	-. 2316	-. 7475
10	855009	28. 57	-1. 930	-1. 790	123. 4	-. 2435	-. 7208
11	853176- 5- 119	17420.	-3. 353	-. 2423	87. 65	. 3756	-. 4337
12	853028- 080	19. 65	1. 232	-. 3505	80. 65	-. 1697	-. 7222
13	853029	7409.	-3. 980	3. 582	154. 4	. 1568	-. 9222
14	CCV2	126000.	939. 3	4879.	9848.	998. 3	2485.
15	CCB2	28. 01	-. 2452	. 0159	1. 056	-. 0270	-. 2822
16	853030	23. 14	-2. 306	2. 618	81. 40	-. 1314	-. 5173
17	853037	32. 84	-2. 190	. 0724	73. 96	-. 1995	-. 8289
18	853038	14. 44	-2. 327	-2. 253	76. 25	-. 2448	-. 5543
19	853039	155. 7	-4. 955	-2. 225	81. 92	-. 1931	-. 8377
20	853040	10. 17	-2. 887	-2. 043	72. 77	-. 1927	-. 6947
21	853044	31. 77	-2. 265	-1. 883	. 2046	-. 1741	-. 7002
22	853028- 1	8. 208	-3. 376	1. 881	81. 20	-. 1970	-. 7340
23	853061D- 119	70560.	5. 479	459. 6	4162.	5. 327	34. 93
24	853061	65230.	5. 869	439. 0	3898.	5. 121	31. 36
25	853061L	13860.	3. 128	88. 69	813. 6	. 8136	6. 059
26	CCV3	126500.	944. 5	4897.	9928.	990. 6	2474.
27	CCB3	27. 15	-1. 247	-2. 074	. 8501	-. 1156	-. 4287
28	853061MS	79360.	225. 5	2309.	6119.	53. 31	83. 90
29	853062	23210.	12. 75	257. 2	1971.	1. 108	. 2840
30	853320	91640.	-4. 962	10. 34	221. 0	3. 802	-2. 242
31	853321	29360.	-. 1784	2. 297	86. 30	1. 135	-. 9244
32	853322	35410.	-2. 839	2. 339	103. 8	1. 212	-1. 029
33	ICSA2	515900.	L- 10. 94	-5. 848	-1. 375	-. 5147	-1. 278
34	ICSAB2	512900.	95. 71	91. 02	104. 1	99. 93	97. 05
35	CCV4	126000.	943. 1	4890.	9900.	989. 3	2475.
36	CCB4	34. 78	-. 3138	-1. 345	. 6132	-. 1726	-. 3162
37	BSL082407	51. 21	1010.	5110.	10210.	1024.	1085.
38	PBL082407	17. 69	-. 6571	-2. 376	1. 351	-. 1722	-. 5512
39	854473D- 5	28. 31	-3. 619	-2. 086	120. 1	-. 0886	-. 4528
40	854473- 5	33. 47	. 0972	-3. 210	122. 8	-. 1735	-. 4199
41	854473L- 5	94. 61	-3. 523	-4. 351	24. 62	-. 2170	-. 7281
42	854473MS- 5	258. 1	198. 0	1031.	2205.	203. 6	213. 5
43	854467- 10	47. 14	-5. 129	-3. 439	33. 15	-. 1570	-. 9939
44	854458- 5	20. 16	-3. 475	-3. 609	112. 0	-. 2724	-. 4756
45	854459- 5	150. 0	-3. 585	L- 6. 178	334. 8	-. 1265	-. 6002
46	854470- 5	32. 29	-. 8726	-3. 311	68. 92	-. 2569	-. 5858
47	CCV5	127000.	955. 6	4958.	9964.	1007.	2507.
48	CCB5	28. 61	. 8718	-1. 399	. 6211	-. 1047	-. 4786

23123NT1.txt

49	854471-5	393.3	-2.078	-3.593	9.951	-.4245	-.8615
50	854472-5	48.59	.3140	-1.493	.4609	-.2113	-.7374
51	FB082207	18.13	1.380	-2.580	-.0664	-.3018	-.7376
52	TB082107-5	141.1	1.321	-3.999	-.1208	-.2275	-.7403
53	TB082207-5	140.5	1.299	-4.899	-.2100	-.2870	-.6936

Analysis Report                      Averages                      08/24/07 05:37:24 PM                      page 4

#	Sample Name	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265
54	TB082307-5	64.35	-2.932	-4.697	-.2438	-.2396	-.5556
55	ICSA3	509800.	-5.644	-7.168	-1.439	-.6235	-1.539
56	ICSAB3	516500.	96.51	95.00	105.6	100.5	96.94
57	CCV6	126500.	936.4	4919.	9906.	989.5	2495.
58	CCB6	89.88	1.177	-1.711	1.213	-.1309	-.2717

#	Sample Name	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mg2790
1	HSA	240700.	9654.	4776.	24360.	193200.	248000.
2	ICV/CCV1	125900.	4950.	2494.	12250.	99640.	123700.
3	ICB/CCB1	18.05	.4681	.0673	2.052	5.167	26.34
4	ICSA1	494400.	2.594	-.0599	-1.298	202000.	541600.
5	ICSAB1	503400.	103.0	99.00	103.6	205300.	549800.
6	MCL	2192.	11.73	9.719	9.908	214.1	2033.
7	MCL-2	1097.	5.053	4.697	4.511	101.0	1034.
8	INT-20	92.35	20180.	20410.	1.588	8.018	12.85
9	PBW082307-118	5.948	1.142	1.287	-.5408	-5.843	9.867
10	855009	40110.	.1230	.6432	1.288	-9.487	11180.
11	853176-5-119	119000.	192.9	9.588	125.5	21770.	8876.
12	853028-080	56900.	.6847	-.2593	.7690	-.1488	19660.
13	853029	55600.	40.55	2.985	12.22	7229.	20910.
14	CCV2	126900.	4986.	2503.	12380.	100000.	124800.
15	CCB2	16.89	.5276	.0564	1.170	21.70	24.59
16	853030	57220.	.5662	-.0638	.6901	1.318	19750.
17	853037	79660.	-.0686	1.363	1.531	-.9594	19180.
18	853038	82180.	-.2103	.7980	1.089	-14.42	19720.
19	853039	85660.	.9171	1.533	1.591	152.5	20570.
20	853040	77730.	.2643	1.588	.9859	-7.695	18690.
21	853044	167.6	-.2871	-.8503	-.5074	8.937	21.92
22	853028-1	56570.	-.0051	-.4449	.3150	6.393	19640.
23	853061D-119	13690.	671.5	73.52	3166.	H206000.	25430.
24	853061	13100.	616.5	72.88	3003.	H210300.	23300.
25	853061L	2789.	129.9	15.06	624.1	44420.	4902.
26	CCV3	125400.	4968.	2502.	12510.	99830.	124400.
27	CCB3	9.607	-.3514	-.6742	.8667	11.18	12.69
28	853061MS	33120.	867.1	556.4	3487.	H218700.	44930.
29	853062	8800.	105.7	56.18	2067.	70200.	12970.
30	853320	10050.	164.8	32.80	52.89	135400.	24360.
31	853321	10800.	58.10	13.09	32.08	34290.	13750.
32	853322	11930.	72.50	15.08	33.51	43120.	15880.
33	ICSA2	501700.	1.805	-.1364	-3.362	205500.	552200.
34	ICSAB2	501300.	102.2	98.44	102.0	204900.	548400.
35	CCV4	126400.	4962.	2502.	12470.	99850.	123900.
36	CCB4	29.04	.0191	.1469	.9845	11.14	34.39
37	BSL082407	36.12	5180.	.2591	1022.	1044.	32.31
38	PBL082407	8.134	.4568	-.6796	.3477	.0577	14.58
39	854473D-5	79970.	.2688	4.975	.0858	17.63	1030.
40	854473-5	81860.	.2337	4.808	.2614	13.38	1051.
41	854473L-5	16500.	-.2793	.2081	-.3918	-11.71	213.0
42	854473MS-5	80500.	1026.	6.039	208.0	223.8	1034.
43	854467-10	476.2	27.16	-1.005	5.290	30.15	75.32
44	854458-5	133900.	17.03	-.4470	.0258	-25.15	3966.

45 854459-5		99930.	14. 84	. 6397	-. 3285	-9. 649	4310.
Analysis Report		Averages		08/24/07 05:37:24 PM			page 5
#	Sample Name	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mg2790
46	854470-5	15630.	-. 0754	-. 3259	-. 2964	-8. 001	35430.
47	CCV5	127800.	5030.	2535.	12540.	101000.	126000.
48	CCB5	10. 03	. 0215	-. 4055	. 5720	-1. 429	15. 28
49	854471-5	11020.	1. 876	-. 7136	12. 94	101. 9	H2726e3
50	854472-5	76. 56	. 1238	-. 4557	-. 0193	-2. 238	335. 2
51	FB082207	3. 963	-. 8876	-. 9213	-. 1795	-16. 41	53. 39
52	TB082107-5	3. 615	. 1114	-. 6240	-. 5343	-7. 314	38. 67
53	TB082207-5	2. 899	-. 0738	. 2825	-. 4900	-4. 620	23. 23
54	TB082307-5	2. 612	-. 3194	-. 3481	-. 6655	-2. 860	14. 85
55	ICSA3	491400.	1. 853	-1. 113	-4. 563	201300.	537900.
56	ICSA3	502300.	101. 9	98. 91	103. 9	205900.	550900.
57	CCV6	126900.	4979.	2522.	12450.	99970.	123900.
58	CCB6	81. 51	. 7872	-. 1265	. 7350	30. 52	58. 39

#	Sample Name	Mn2576	Ni 2316	K_7664	Ag3280	Na3302	Tl 1908
1	HSA	9644.	4755.	97240.	2455.	242600.	9572.
2	ICV/CCV1	4949.	2505.	48970.	1228.	121600.	5019.
3	ICB/CCB1	. 8156	1. 601	294. 9	. 4429	265. 1	. 2316
4	ICSA1	. 1962	10. 45	200. 5	-. 8598	160. 8	-6. 435
5	ICSA1	101. 7	109. 4	10410.	102. 7	10220.	95. 76
6	MCL	10. 30	11. 62	4789.	7. 911	4742.	11. 03
7	MCL-2	5. 153	6. 856	2513.	3. 686	2506.	3. 675
8	INT-20	19660.	20730.	192. 7	-. 9433	-248. 6	3. 204
9	PBW082307-118	1. 621	3. 031	244. 4	-. 5914	69. 90	-. 3021
10	855009	27. 69	2. 004	1223.	-. 2073	19470.	-1. 712
11	853176-5-119	481. 4	102. 5	1582.	-. 9631	593. 9	-1. 503
12	853028-080	6. 875	7. 234	1188.	-1. 062	13620.	-1. 904
13	853029	305. 2	28. 97	2562.	-. 7487	13450.	-. 2590
14	CCV2	4972.	2501.	49500.	1237.	123000.	5020.
15	CCB2	. 6130	. 8468	286. 1	-. 3119	270. 3	1. 961
16	853030	11. 14	10. 30	1134.	-. 2411	13590.	4. 726
17	853037	1. 712	6. 486	1702.	-. 4933	25380.	. 5293
18	853038	. 2116	7. 280	1690.	-. 4808	26160.	2. 639
19	853039	8. 914	11. 63	1790.	-. 9701	39890.	-1. 697
20	853040	. 1836	10. 11	1661.	-1. 662	36050.	-1. 397
21	853044	. 8209	1. 879	222. 3	-1. 194	324. 3	-2. 915
22	853028-1	6. 388	6. 934	1045.	-1. 098	13740.	. 3479
23	853061D-119	1685.	544. 7	12610.	8. 604	23390.	-2. 136
24	853061	1624.	500. 7	11340.	7. 721	22350.	-2. 025
25	853061L	341. 5	106. 9	2471.	1. 201	4618.	-1. 740
26	CCV3	4946.	2512.	49340.	1244.	123000.	5035.
27	CCB3	. 3637	-. 1429	222. 9	-. 6928	163. 6	-2. 475
28	853061MS	2265.	1041.	30660.	55. 33	42600.	1851.
29	853062	344. 0	258. 4	5439.	2. 295	45320.	-1. 879
30	853320	800. 6	107. 5	17000.	-1. 976	13620.	-. 5531
31	853321	302. 5	40. 22	7256.	-1. 159	16550.	-. 6333
32	853322	347. 7	45. 63	8767.	-1. 008	17330.	-1. 980
33	ICSA2	-. 8425	10. 44	254. 6	-1. 296	238. 0	-6. 723
34	ICSA2	100. 3	110. 1	10200.	101. 3	10140.	101. 1
35	CCV4	4934.	2506.	49330.	1238.	123200.	5036.
36	CCB4	. 4620	1. 083	275. 2	. 0018	260. 9	. 6195
37	BSL082407	1036.	1081.	285. 9	504. 1	50. 19	1061.

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#	Sample Name	Mn2576	Ni 2316	K_7664	Ag3280	Na3302	Tl 1908
38	PBL082407	. 2421	-. 1596	234. 9	-. 7404	170. 3	. 4747
39	854473D- 5	939. 2	7. 027	627. 5	-. 4754	H254600.	-. 3098
40	854473- 5	965. 8	7. 309	543. 4	-. 1391	H259600.	-3. 102
41	854473L- 5	193. 7	1. 564	313. 5	-. 9653	52080.	. 5474
42	854473MS- 5	1158.	219. 6	535. 0	101. 1	H258000.	208. 7
43	854467- 10	4. 627	4. 145	19050.	-1. 130	H4491e3	-2. 561
44	854458- 5	341. 2	5. 258	2410.	-. 7411	H272900.	-3. 346
45	854459- 5	1001.	4. 857	950. 1	-. 6676	H271300.	-4. 971
46	854470- 5	-. 5163	1. 365	435. 7	-. 5125	185000.	-. 9270
47	CCV5	5005.	2525.	49540.	1249.	123500.	5076.
48	CCB5	. 3407	. 9595	259. 3	-. 1141	399. 2	-2. 151
49	854471- 5	L- 38. 47	36. 53	3497.	-1. 120	H320200.	-3. 434
50	854472- 5	. 2136	1. 216	290. 6	-. 8719	278. 3	-3. 204
51	FB082207	-. 0543	. 0532	209. 1	-. 9636	259. 9	-5. 073
52	TB082107- 5	. 0667	4. 339	209. 4	-. 0692	H263700.	1. 278
53	TB082207- 5	. 0471	3. 763	310. 2	-. 0297	H271300.	. 8116
54	TB082307- 5	-. 0307	3. 652	241. 4	-. 0446	H266800.	-2. 725
55	ICSA3	-. 7860	9. 758	275. 4	-1. 558	106. 7	-8. 701
56	IC SAB3	100. 9	109. 8	10220.	102. 2	10230.	94. 48
57	CCV6	4917.	2530.	49590.	1237.	123000.	5081.
58	CCB6	. 6088	. 3696	250. 8	-. 6828	186. 4	. 2225

#	Sample Name	V_2924	Zn2062	*Y	Ti 3349	Sr4215	Sn1899
1	HSA	4829.	14420.	965. 38	19770.	9630.	1925.
2	ICV/CCV1	2501.	7572.	993. 902	10040.	4970.	977. 9
3	ICB/CCB1	1. 491	. 8043	1017. 09	1. 917	. 8161	3. 343
4	ICSA1	1. 115	3. 360	960. 596	-7. 887	1. 810	. 2053
5	IC SAB1	102. 7	101. 2	945. 776	96. 17	109. 9	103. 2
6	MCL	9. 896	12. 40	1023. 18	114. 5	100. 1	101. 1
7	MCL- 2	5. 822	5. 738	1022. 06	55. 61	50. 88	50. 64
8	INT- 20	19850.	11. 88	1040. 16	20320.	19060.	20330.
9	PBW082307- 118	1. 662	. 9853	1027	1. 917	1. 560	3. 167
10	855009	4. 118	7. 857	995. 618	. 8252	98. 72	3. 382
11	853176- 5- 119	30. 13	276. 7	994. 396	874. 7	470. 0	7. 762
12	853028- 080	2. 811	7. 867	1004. 04	. 1954	747. 4	1. 435
13	853029	15. 63	25. 97	1028. 07	164. 9	730. 9	2. 613
14	CCV2	2517.	7580.	968. 032	10000.	5008.	982. 6
15	CCB2	. 9243	. 2167	996. 32	1. 525	. 6527	-. 5997
16	853030	2. 485	2. 789	1018. 37	. 1943	753. 1	1. 655
17	853037	1. 522	2. 685	980. 694	-. 0056	1188.	1. 080
18	853038	1. 568	1. 451	993. 408	-. 2060	1237.	1. 301
19	853039	1. 807	4. 263	1004. 43	3. 966	1287.	. 9939
20	853040	. 3957	3. 627	988. 832	-. 4078	1165.	1. 037
21	853044	. 5205	2. 419	1011. 56	. 7663	. 7048	1. 224
22	853028- 1	2. 130	7. 903	1039. 22	-. 2992	752. 7	1. 226
23	853061D- 119	233. 7	9251.	1094. 47	1858.	283. 1	601. 2
24	853061	227. 1	8282.	1052. 4	1932.	280. 3	556. 5
25	853061L	48. 48	1786.	1005. 11	404. 0	58. 47	118. 3
26	CCV3	2512.	7482.	968. 084	10040.	5047.	982. 8
27	CCB3	. 9112	-. 0203	1001. 26	1. 038	. 4138	. 7206
28	853061MS	717. 1	9643.	1069. 28	2327.	777. 6	1047.
29	853062	140. 3	521. 4	1020. 21	803. 6	186. 2	128. 5

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#	Sample Name	V_2924	Zn2062	*Y	Ti 3349	Sr4215	Sn1899
30	853320	237. 0	255. 9	1043. 2	1798.	155. 8	14. 36



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31	853321	92.65	108.8	1025.02	751.4	151.8	11.85
32	853322	107.6	121.7	1039.82	924.4	170.1	11.33
33	ICSA2	.7210	.8709	929.058	-9.883	.8272	2.567
34	ICSAB2	101.7	98.47	941.304	93.37	108.2	101.6
35	CCV4	2508.	7479.	995.176	10010.	5029.	980.4
36	CCB4	.3640	.7172	1000.3	.9748	.3378	1.653
37	BSL082407	1036.	1084.	988.546	1.383	L. 3744	.2001
38	PBL082407	.0066	.5771	998.322	.3269	-.0061	2.158
39	854473D-5	.6607	26.84	992.03	-.2059	294.2	4.663
40	854473-5	.6701	27.43	1021.25	-.1848	301.0	3.208
41	854473L-5	.2732	5.195	996.346	.0419	60.72	1.214
42	854473MS-5	208.7	239.4	1007.81	-.2610	300.7	2.114
43	854467-10	1.236	7.439	906.412	.2801	200.10	3.961
44	854458-5	.3201	-1.522	983.58	-.7484	329.4	1.777
45	854459-5	.1725	1.209	1003.78	-.5333	121.0	4.872
46	854470-5	1.028	-.2322	989.404	-.5123	29.04	2.384
47	CCV5	2547.	7652.	974.61	10050.	5052.	991.4
48	CCB5	1.278	.2101	998.634	.9833	.3390	1.413
49	854471-5	.2008	3.176	955.344	L-51.83	3503.	1.357
50	854472-5	1.021	1.184	993.564	.5747	.9360	.2755
51	FB082207	.2772	-.0806	995.826	.0014	-.0093	1.652
52	TB082107-5	1.237	.8285	1010.33	.3848	.0207	2.867
53	TB082207-5	1.501	.3973	984.984	.3290	-.0186	1.976
54	TB082307-5	2.045	.1700	1011.37	.2948	-.0520	2.219
55	ICSA3	1.140	.6072	911.43	-9.728	.8266	-2.131
56	ICSAB3	102.8	98.01	959.374	93.34	109.2	102.1
57	CCV6	2501.	7484.	972.79	10050.	5039.	985.5
58	CCB6	2.262	2.695	1001.39	1.502	.7034	.9384

#	Sample Name	Pb2203	Se1960	B_2496	La3988	Mo2020
1	HSA	19220.	9595.	1962.	978.2	4827.
2	ICV/CCV1	9989.	4973.	1009.	506.3	2447.
3	ICB/CCB1	1.757	-.1047	2.017	-.1472	.9786
4	ICSA1	L-7.745	L-10.01	1.556	-.0772	-1.614
5	ICSAB1	92.81	99.38	104.2	-.5013	100.1
6	MCL	11.67	10.42	51.09	-.4582	111.2
7	MCL-2	6.671	5.626	25.77	-.2884	56.08
8	INT-20	1.487	.5776	15.94	5142.	19920.
9	PBW082307-118	-1.485	.2635	3.825	.3306	5.206
10	855009	-.4578	-.5758	213.7	-.5225	1.682
11	853176-5-119	49.34	.0145	22.97	13.16	5.708
12	853028-080	.3325	6.269	125.8	-.8365	2.681
13	853029	5.962	2.988	136.1	3.428	5.574
14	CCV2	10120.	5000.	1012.	511.1	2462.
15	CCB2	.1582	1.492	1.813	-.0249	.6783
16	853030	-.6775	3.602	125.9	.2510	3.716
17	853037	-.1753	2.338	104.6	-1.762	.9796
18	853038	1.415	6.484	108.4	-.4324	.7481
19	853039	-.8659	2.370	113.9	-1.471	.7333
20	853040	.4336	4.526	101.3	-1.023	.7444
21	853044	-.2616	-1.399	.3269	-.1461	.4334

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#	Sample Name	Pb2203	Se1960	B_2496	La3988	Mo2020
22	853028-1	-1.145	4.131	126.1	-1.208	2.322
23	853061D-119	5024.	125.1	106.3	84.49	23.55
24	853061	4722.	120.3	97.55	81.56	23.12
25	853061L	1007.	24.08	22.00	17.08	5.072
26	CCV3	10090.	5027.	1021.	513.9	2459.

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27	CCB3	- . 7097	. 3013	. 4975	- . 5163	- . 1268
28	853061MS	5476.	1989.	569. 8	87. 44	474. 5
29	853062	1422.	31. 41	92. 40	27. 10	22. 93
30	853320	37. 96	3. 048	140. 9	73. 92	34. 02
31	853321	21. 30	1. 816	110. 0	29. 20	25. 11
32	853322	24. 19	2. 371	121. 5	32. 96	29. 29
33	ICSA2	L- 7. 447	- 8. 365	. 2242	- . 8785	- 2. 440
34	ICSA2	91. 43	95. 12	104. 6	- . 6575	98. 89
35	CCV4	9867.	4904.	1015.	511. 8	2452.
36	CCB4	2. 301	- . 6296	1. 158	. 2302	. 2788
37	BSL082407	5344.	1037.	3. 606	- . 9050	. 2143
38	PBL082407	- . 2637	- 2. 006	2. 004	. 1759	- . 3934
39	854473D- 5	. 5086	2. 216	14. 68	- . 6589	- . 0385
40	854473- 5	3. 590	- . 1026	15. 17	- . 4606	. 0927
41	854473L- 5	3. 784	1. 190	2. 882	- . 9537	- . 7322
42	854473MS- 5	1064.	212. 0	15. 24	- . 3450	- . 2325
43	854467- 10	9. 602	- 2. 631	90. 33	- 2. 680	5. 470
44	854458- 5	. 2274	2. 040	27. 12	- 2. 286	. 7150
45	854459- 5	1. 538	- 2. 076	27. 68	2. 279	- . 1214
46	854470- 5	. 1290	1. 436	1. 539	- . 2012	- . 2923
47	CCV5	10240.	5070.	1025.	515. 1	2494.
48	CCB5	- . 1908	- 2. 739	. 6331	- . 4299	. 1804
49	854471- 5	10. 05	2. 163	23. 49	3. 472	2. 359
50	854472- 5	379. 6	- 1. 011	1. 627	- . 2869	. 2888
51	FB082207	2. 600	. 5375	- 2. 275	- 1. 045	- . 7839
52	TB082107- 5	- 1. 876	. 5125	. 6602	. 4574	- . 3221
53	TB082207- 5	1. 896	2. 685	. 9086	- . 4365	- . 5420
54	TB082307- 5	- . 5488	2. 733	. 0988	- . 3446	- . 2965
55	ICSA3	L- 12. 71	- 5. 026	. 1333	- . 7944	- 1. 632
56	ICSA3	89. 97	101. 9	104. 1	- 1. 073	101. 2
57	CCV6	10130.	5026.	1018.	514. 7	2466.
58	CCB6	2. 121	- . 6863	- . 1437	- . 8674	- . 1974

Method: SW846 Standard: T3CAL- BLK  
Run Time: 08/24/07 11: 07: 30

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avg	. 1492	. 1142	- . 0404	. 0592	- . 2268	. 2386	. 1050
SDev	. 0094	. 0416	. 0237	. 0015	. 0008	. 0210	. 0006
%RSD	6. 265	36. 40	58. 68	2. 468	. 3499	8. 797	. 6100

#1	. 1426	. 1436	- . 0572	. 0602	- . 2274	. 2535	. 1054
#2	. 1558	. 0848	- . 0237	. 0582	- . 2263	. 2238	. 1045

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avg	. 0090	- . 0080	. 0774	- . 0030	. 0130	. 0015	- . 0565
SDev	. 0100	. 0100	. 0021	. 0042	. 0156	. 0007	. 0330
%RSD	110. 5	124. 0	2. 644	141. 4	120. 0	48. 28	58. 49

#1	. 0161	- . 0151	. 0788	. 0000	. 0241	. 0020	- . 0331
#2	. 0020	- . 0010	. 0759	- . 0059	. 0020	. 0010	- . 0799

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
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Avge	5. 203	. 0098	. 1082	. 0377	. 0104	. 0169	-. 0475
SDev	. 112	. 0182	. 0324	. 0206	. 0034	. 0026	. 0360
%RSD	2. 159	184. 7	29. 92	54. 74	32. 46	15. 37	75. 69
#1	5. 283	-. 0030	. 0853	-. 0231	. 0080	. 0151	-. 0221
#2	5. 124	. 0227	. 1311	-. 0523	. 0128	. 0187	-. 0730
El em	2203/2	1960/1	1960/2	B_2496	La3988	Mo2020	Sn1899
Avge	. 0422	-. 6246	. 2121	. 0388	. 0056	-. 0353	-. 0028
SDev	. 0653	. 0940	. 0323	. 0019	. 0191	. 0040	. 0239
%RSD	154. 6	15. 05	15. 21	4. 905	340. 8	11. 23	843. 4
#1	. 0883	-. 5582	. 2349	. 0402	. 0191	-. 0381	. 0141
#2	-. 0039	-. 6911	. 1893	. 0375	-. 0079	-. 0325	-. 0197
El em	Sr4215	Ti 3349					
Avge	. 0174	-. 0666					
SDev	. 0037	. 0062					
%RSD	21. 46	9. 280					
#1	. 0201	-. 0622					
#2	. 0148	-. 0710					

Method: SW846 Standard: T3CAL1  
Run Time: 08/24/07 11: 13: 38

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avge	25. 22	2. 718	21. 18	33. 52	12. 07	133. 9	53. 14
SDev	. 03	. 056	. 08	. 07	. 01	. 3	. 01
%RSD	. 1283	2. 044	. 3584	. 2068	. 0725	. 2283	. 0236
#1	25. 20	2. 678	21. 13	33. 47	12. 06	134. 1	53. 15
#2	25. 24	2. 757	21. 24	33. 57	12. 08	133. 7	53. 13
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avge	15. 07	5. 501	38. 26	13. 55	52. 85	20. 50	31. 12
SDev	. 01	. 002	. 05	. 00	. 00	. 01	. 03
%RSD	. 0829	. 0314	. 1300	. 0368	. 0046	. 0709	. 1030
#1	15. 08	5. 499	38. 22	13. 55	52. 85	20. 49	31. 10
#2	15. 06	5. 502	38. 29	13. 55	52. 85	20. 51	31. 15
El em	Ag3280	Tl 1908	V_2924	Zn2062	2203/1	2203/2	1960/1
Avge	10. 62	7. 517	2. 754	10. 48	26. 97	46. 31	31. 22
SDev	. 04	. 017	. 004	. 03	. 27	. 02	. 51
%RSD	. 3978	. 2265	. 1471	. 2803	. 9971	. 0472	1. 628
#1	10. 59	7. 505	2. 751	10. 50	26. 78	46. 32	30. 86
#2	10. 65	7. 529	2. 757	10. 46	27. 16	46. 29	31. 58

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El em	1960/2	B_2496	La3988	Mo2020	Sn1899	Sr4215	Ti 3349
Avge	18. 61	3. 012	1. 721	10. 58	3. 442	137. 4	138. 8
SDev	. 06	. 022	. 016	. 02	. 005	. 2	. 1
%RSD	. 3274	. 7398	. 9370	. 2251	. 1368	. 1444	. 0417
#1	18. 56	3. 028	1. 710	10. 56	3. 439	137. 2	138. 8
#2	18. 65	2. 996	1. 733	10. 60	3. 445	137. 5	138. 9

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Method: SW846 Standard: T3CAL2

Run Time: 08/24/07 11:19:47

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avg	125.1	13.05	105.7	166.2	60.24	652.0	260.6
SDev	.3	.00	.0	.2	.09	.4	.1
%RSD	.2050	.0280	.0288	.0929	.1431	.0645	.0529
#1	124.9	13.06	105.7	166.1	60.30	652.3	260.7
#2	125.2	13.05	105.7	166.3	60.17	651.7	260.5
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avg	74.43	27.04	193.2	67.06	270.1	101.5	152.1
SDev	.03	.00	.2	.02	.0	.0	.2
%RSD	.0418	.0151	.1228	.0238	.0003	.0022	.1268
#1	74.45	27.04	193.0	67.07	270.1	101.5	152.2
#2	74.40	27.04	193.3	67.05	270.1	101.5	152.0
El em	Ag3280	Tl 1908	V_2924	Zn2062	2203/1	2203/2	1960/1
Avg	54.08	37.24	13.72	50.26	132.4	226.6	158.2
SDev	.05	.13	.02	.10	.1	.4	.3
%RSD	.0848	.3425	.1163	.1916	.0652	.1675	.1702
#1	54.05	37.15	13.71	50.32	132.4	226.9	158.0
#2	54.11	37.33	13.73	50.19	132.5	226.3	158.4
El em	1960/2	B_2496	La3988	Mo2020	Sn1899	Sr4215	Ti 3349
Avg	92.54	15.00	8.627	52.17	16.79	683.4	700.0
SDev	.43	.03	.007	.01	.03	.8	.7
%RSD	.4595	.2216	.0828	.0170	.1823	.1144	.1024
#1	92.84	14.98	8.622	52.18	16.77	682.9	699.5
#2	92.24	15.03	8.632	52.16	16.81	684.0	700.5

Method: SW846 Standard: T3CAL3  
Run Time: 08/24/07 11:25:55

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avg	251.8	26.20	208.2	323.8	120.0	1277.	516.6
SDev	.1	.07	.7	.4	.1	3.	.3
%RSD	.0406	.2585	.3312	.1327	.1019	.2499	.0592
#1	251.7	26.16	207.7	323.5	119.9	1275.	516.4
#2	251.9	26.25	208.6	324.1	120.1	1279.	516.8
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avg	148.2	53.07	388.1	133.7	553.3	201.5	297.6
SDev	.2	.12	.7	.2	.7	.2	.7
%RSD	.1393	.2213	.1801	.1333	.1260	.1096	.2506
#1	148.1	52.98	387.6	133.5	552.8	201.4	297.0
#2	148.4	53.15	388.6	133.8	553.8	201.7	298.1
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Avg	203.0	108.9	118.6	72.99	27.25	100.8	264.8
SDev	.4	.0	.1	.30	.04	.1	.2
%RSD	.2059	.0452	.0923	.4133	.1530	.0527	.0712
#1	203.3	108.9	118.7	72.78	27.22	100.8	264.9
#2	202.7	108.9	118.6	73.21	27.28	100.9	264.6

Standardi zati on Rpt.

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El em	2203/2	1960/1	1960/2	B_2496	La3988	Mo2020	Sn1899
Avge	451. 5	314. 2	182. 9	30. 26	17. 41	104. 2	33. 69
SDev	1. 7	. 8	1. 4	. 04	. 04	. 1	. 08
%RSD	. 3668	. 2664	. 7386	. 1250	. 2281	. 1308	. 2500

#1	450. 3	313. 6	182. 0	30. 23	17. 39	104. 1	33. 63
#2	452. 7	314. 8	183. 9	30. 29	17. 44	104. 3	33. 74

El em	Sr4215	Ti 3349
Avge	1350.	1422.
SDev	2.	5.
%RSD	. 1807	. 3291

#1	1348.	1418.
#2	1352.	1425.

Method: SW846 Slope = Conc(SIR)/IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date	Standardized
Al 3082	308. 215	Multiple	Standards	997. 695	-148. 705	12/31/99	11: 23: 00
Sb2068	206. 838	Multiple	Standards	75. 1720	-8. 58393	12/31/99	11: 23: 00
As1890	189. 042	Multiple	Standards	47. 5863	1. 85232	12/31/99	11: 23: 00
Ba4934	493. 409	Multiple	Standards	60. 5732	-3. 83718	12/31/99	11: 23: 00
Be3130	313. 042	Multiple	Standards	16. 4667	3. 71226	12/31/99	11: 23: 00
Cd2265	226. 502	Multiple	Standards	3. 85081	-1. 02464	12/31/99	11: 23: 00
Ca3179	317. 933	Multiple	Standards	478. 370	-53. 4402	12/31/99	11: 23: 00
Cr2677	267. 716	Multiple	Standards	67. 0159	-. 684795	12/31/99	11: 23: 00
Co2286	228. 616	Multiple	Standards	92. 4697	. 658784	12/31/99	11: 23: 00
Cu3247	324. 754	Multiple	Standards	64. 8727	-4. 82038	12/31/99	11: 23: 00
Fe2714	271. 441	Multiple	Standards	1491. 05	2. 98700	12/31/99	11: 23: 00
Mg2790	279. 079	Multiple	Standards	462. 380	-. 937145	12/31/99	11: 23: 00
Mn2576	257. 610	Multiple	Standards	49. 2385	-. 152228	12/31/99	11: 23: 00
Ni 2316	231. 604	Multiple	Standards	16. 3796	. 819804	12/31/99	11: 23: 00
K_7664	766. 491	T3CAL3	T3CAL- BLK	. 918169	. 291068	08/24/07	11: 25: 55
Ag3280	328. 068	Multiple	Standards	23. 2065	-. 196026	12/31/99	11: 23: 00
Na3302	330. 232	T3CAL3	T3CAL- BLK	. 984358	. 046842	08/24/07	11: 25: 55
Tl 1908	190. 864	Multiple	Standards	134. 389	4. 91981	12/31/99	11: 23: 00
V_2924	292. 402	Multiple	Standards	181. 306	-1. 90209	12/31/99	11: 23: 00
Zn2062	206. 200	Multiple	Standards	147. 011	-2. 80962	12/31/99	11: 23: 00
2203/1	220. 351	Multiple	Standards	75. 4243	3. 35774	12/31/99	11: 23: 00
2203/2	220. 352	Multiple	Standards	43. 7890	-2. 10725	12/31/99	11: 23: 00
1960/1	196. 021	Multiple	Standards	31. 5521	19. 6636	12/31/99	11: 23: 00
1960/2	196. 022	Multiple	Standards	53. 9637	-11. 4583	12/31/99	11: 23: 00
Pb2203	220. 353	NONE	NONE	1. 00000	. 000000		*NOT STANDARDIZED
Se1960	196. 026	NONE	NONE	1. 00000	. 000000		*NOT STANDARDIZED
B_2496	249. 678	Multiple	Standards	66. 7544	-2. 57681	12/31/99	11: 23: 00
La3988	398. 852	Multiple	Standards	57. 9048	-. 317873	12/31/99	11: 23: 00
Mo2020	202. 030	Multiple	Standards	47. 6445	1. 63457	12/31/99	11: 23: 00
Sn1899	189. 989	Multiple	Standards	59. 2159	. 140839	12/31/99	11: 23: 00
Sr4215	421. 552	Multiple	Standards	7. 33524	-. 197154	12/31/99	11: 23: 00
Ti 3349	334. 941	Multiple	Standards	14. 2518	1. 14011	12/31/99	11: 23: 00

Method: SW846

Standardization	Readback Report	Known Concentration	Measured Concentration	Residual Concentration
			08/24/07 11: 32: 01 AM	page 8
Element	Wavelength	Standard	Concentration	Concentration
Al 3082	308. 215	T3CAL- BLK	. 000000	. 114031
		T3CAL1	25000. 0	25012. 2
		T3CAL2	125000.	124631.
		T3CAL3	250000.	251065.
				- 114031
				- 12. 1562
				368. 906
				- 1065. 20

CorCoef: 0. 99999

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206. 838	T3CAL- BLK	. 000000	- . 001369	. 001369
		T3CAL1	200. 000	195. 711	4. 28937
		T3CAL2	1000. 00	972. 658	27. 3422
		T3CAL3	2000. 00	1961. 25	38. 7477

CorCoef: 0. 99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189. 042	T3CAL- BLK	. 000000	- . 072161	. 072161
		T3CAL1	1000. 00	1009. 91	- 9. 91010
		T3CAL2	5000. 00	5032. 05	- 32. 0537
		T3CAL3	10000. 0	9907. 11	92. 8887

CorCoef: 0. 99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493. 409	T3CAL- BLK	. 000000	- . 251192	. 251192
		T3CAL1	2000. 00	2026. 62	- 26. 6245
		T3CAL2	10000. 0	10064. 6	- 64. 6104
		T3CAL3	20000. 0	19608. 6	391. 416

CorCoef: 0. 99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313. 042	T3CAL- BLK	. 000000	- . 022778	. 022778
		T3CAL1	200. 000	202. 475	- 2. 47504
		T3CAL2	1000. 00	995. 586	4. 41370
		T3CAL3	2000. 00	1979. 92	20. 0778

CorCoef: 0. 99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226. 502	T3CAL- BLK	. 000000	- . 105680	. 105680
		T3CAL1	500. 000	514. 478	- 14. 4783
		T3CAL2	2500. 00	2509. 63	- 9. 62524
		T3CAL3	5000. 00	4915. 62	84. 3838

CorCoef: 0. 99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317. 933	T3CAL- BLK	. 000000	- 3. 23191	3. 23191
		T3CAL1	25000. 0	25367. 4	- 367. 424
		T3CAL2	125000. 0	124625. 0	374. 508
		T3CAL3	250000. 0	247075. 0	2925. 23

CorCoef: 0. 99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267. 716	T3CAL- BLK	. 000000	- . 080505	. 080505
		T3CAL1	1000. 00	1009. 25	- 9. 25421
		T3CAL2	5000. 00	4987. 09	12. 9116
		T3CAL3	10000. 0	9933. 88	66. 1172

CorCoef: 1. 00000

Known Measured Residual

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228. 616	T3CAL- BLK	. 000000	- . 083029	. 083029
		T3CAL1	500. 000	509. 309	- 9. 30850
		T3CAL2	2500. 00	2501. 04	- 1. 04370
		T3CAL3	5000. 00	4907. 70	92. 3047

CorCoef: 0. 99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324. 754	T3CAL- BLK	. 000000	. 198176	- . 198176
		T3CAL1	2500. 00	2477. 17	22. 8345

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		T3CAL2	12500. 0	12525. 7	- 25. 6631
		T3CAL3	25000. 0	25170. 4	- 170. 416

CorCoef: 1. 00000

El ement	Wavel ength	Standard	Known	Measured	Resi dual
Fe2714	271. 441	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- 1. 42305	1. 42305
		T3CAL2	20000. 0	20208. 6	- 208. 619
		T3CAL3	100000.	99995. 3	4. 71094
			200000.	199284.	716. 000

CorCoef: 1. 00000

El ement	Wavel ength	Standard	Known	Measured	Resi dual
Mg2790	279. 079	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	5. 08893	- 5. 08893
		T3CAL2	25000. 0	24436. 7	563. 279
		T3CAL3	125000.	124903.	97. 0625
			250000.	255827.	- 5826. 92

CorCoef: 0. 99993

El ement	Wavel ength	Standard	Known	Measured	Resi dual
Mn2576	257. 610	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 078525	. 078525
		T3CAL2	1000. 00	1009. 23	- 9. 23492
		T3CAL3	5000. 00	4999. 55	. 445801
			10000. 0	9922. 04	77. 9570

CorCoef: 0. 99999

El ement	Wavel ength	Standard	Known	Measured	Resi dual
Ni 2316	231. 604	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 105529	. 105529
		T3CAL2	500. 000	510. 607	- 10. 6074
		T3CAL3	2500. 00	2492. 13	7. 86572
			5000. 00	4874. 75	125. 247

CorCoef: 0. 99993

El ement	Wavel ength	Standard	Known	Measured	Resi dual
K_7664	766. 491	T3CAL- BLK	Si gnal	Si gnal	Si gnal
		T3CAL3	5. 06840	5. 20310	- . 134704
			186. 669	202. 989	- 16. 3196

El ement	Wavel ength	Standard	Known	Measured	Resi dual
Ag3280	328. 068	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	. 032138	- . 032138
		T3CAL2	250. 000	246. 324	3. 67650
		T3CAL3	1250. 00	1254. 75	- 4. 75378
			2500. 00	2527. 26	- 27. 2573

CorCoef: 0. 99999

El ement	Wavel ength	Standard	Known	Measured	Resi dual
Na3302	330. 232	T3CAL- BLK	Si gnal	Si gnal	Si gnal
		T3CAL3	. 153377	. 108228	. 045149
			116. 826	118. 635	- 1. 80878
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El ement	Wavel ength	Standard	Known	Measured	Resi dual
Tl 1908	190. 864	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 142760	. 142760
		T3CAL2	1000. 00	1015. 07	- 15. 0700
		T3CAL3	5000. 00	5009. 58	- 9. 58447
			10000. 0	9814. 49	185. 508

CorCoef: 0. 99994

El ement	Wavel ength	Standard	Known	Measured	Resi dual
V_2924	292. 402	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 012178	. 012178
		T3CAL2	500. 000	497. 434	2. 56573
		T3CAL3	2500. 00	2485. 98	14. 0249

		23123NT1. txt			
CorCoef:	0. 99999	T3CAL3	5000. 00	4939. 48	60. 5166
El ement	Wavel ength	Standard	Known	Measured	Resi dual
Zn2062	206. 200	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 325839	. 325839
		T3CAL2	1500. 00	1537. 63	- 37. 6345
		T3CAL3	7500. 00	7385. 42	114. 581
CorCoef:	0. 99999	T3CAL3	15000. 0	14822. 7	177. 317
El ement	Wavel ength	Standard	Known	Measured	Resi dual
2203/1	220. 351	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 226489	. 226489
		T3CAL2	2000. 00	2037. 66	- 37. 6560
		T3CAL3	10000. 0	9991. 67	8. 32520
CorCoef:	1. 00000	T3CAL3	20000. 0	19972. 3	27. 6563
El ement	Wavel ength	Standard	Known	Measured	Resi dual
2203/2	220. 352	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 259351	. 259351
		T3CAL2	2000. 00	2025. 62	- 25. 6204
		T3CAL3	10000. 0	9920. 49	79. 5117
CorCoef:	1. 00000	T3CAL3	20000. 0	19768. 8	231. 193
El ement	Wavel ength	Standard	Known	Measured	Resi dual
1960/1	196. 021	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 045085	. 045085
		T3CAL2	1000. 00	1004. 83	- 4. 83435
		T3CAL3	5000. 00	5010. 62	- 10. 6206
CorCoef:	0. 99999	T3CAL3	10000. 0	9932. 06	67. 9365
El ement	Wavel ength	Standard	Known	Measured	Resi dual
1960/2	196. 022	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	- . 012525	. 012525
		T3CAL2	1000. 00	992. 563	7. 43726
		T3CAL3	5000. 00	4982. 18	17. 8242
CorCoef:	0. 99998	T3CAL3	10000. 0	9860. 95	139. 053
El ement	Wavel ength	Standard	Known	Measured	Resi dual
Pb2203	220. 353	NONE	Concentrati on	Concentrati on	Concentrati on
		NONE	. 000000	. 000000	. 000000
		NONE	10. 0000	. 000000	10. 0000

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El ement	Wavel ength	Standard	Known	Measured	Resi dual
Se1960	196. 026	NONE	Concentrati on	Concentrati on	Concentrati on
		NONE	. 000000	. 000000	. 000000
		NONE	10. 0000	. 000000	10. 0000
El ement	Wavel ength	Standard	Known	Measured	Resi dual
B_2496	249. 678	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	. 013931	- . 013931
		T3CAL2	200. 000	198. 475	1. 52521
		T3CAL3	1000. 00	998. 978	1. 02197
CorCoef:	0. 99999	T3CAL3	2000. 00	2017. 30	- 17. 2961
El ement	Wavel ength	Standard	Known	Measured	Resi dual
La3988	398. 852	T3CAL- BLK	Concentrati on	Concentrati on	Concentrati on
		T3CAL1	. 000000	. 006019	- . 006019
		T3CAL2	100. 000	99. 3482	. 651772
		T3CAL3	500. 000	499. 237	. 763458
		T3CAL3	1000. 00	1008. 04	- 8. 04468



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CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	T3CAL- BLK	.000000	-.049249	.049249
		T3CAL1	500.000	505.756	-5.75558
		T3CAL2	2500.00	2487.24	12.7554
		T3CAL3	5000.00	4967.95	32.0454

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	T3CAL- BLK	.000000	-.026835	.026835
		T3CAL1	200.000	203.955	-3.95491
		T3CAL2	1000.00	994.202	5.79767
		T3CAL3	2000.00	1994.85	5.15393

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	T3CAL- BLK	.000000	-.069277	.069277
		T3CAL1	1000.00	1007.55	-7.54865
		T3CAL2	5000.00	5012.95	-12.9458
		T3CAL3	10000.0	9902.37	97.6279

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	T3CAL- BLK	.000000	.190754	-.190754
		T3CAL1	2000.00	1979.94	20.0605
		T3CAL2	10000.0	9977.23	22.7686
		T3CAL3	20000.0	20263.1	-263.107

CorCoef: 0.99997

Method: SW846      Sample Name: HSA      Operator:  
 Run Time: 08/24/07 11:32:04  
 Comment: 8048  
 Mode: CONC      Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	243600.	1941.	9596.	19040.	1932.	4774.	240700.
SDev	227.	8.	2.	47.	5.	7.	970.
%RSD	.0930	.4145	.0206	.2463	.2529	.1483	.4030
#1	243500.	1936.	9597.	19010.	1935.	4779.	241300.
#2	243800.	1947.	9595.	19080.	1928.	4769.	240000.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	263600.	2109.	105400.	21090.	2109.	5274.	263700.
Low	236400.	1891.	9451.	18910.	1891.	4726.	236300.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9654.	4776.	24360.	193200.	248000.	9644.	4755.
SDev	20.	5.	74.	400.	316.	23.	5.
%RSD	.2055	.0981	.3041	.2071	.1274	.2366	.1070
#1	9669.	4780.	24310.	193500.	248200.	9660.	4759.
#2	9640.	4773.	24420.	192900.	247800.	9628.	4751.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10540.	5274.	26360.	210900.	263700.	10540.	5274.
Low	9451.	4726.	23630.	189100.	236300.	9451.	4726.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	97240.	2455.	242600.	9572.	4829.	14420.	19310.

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SDev	382.	1.	171.	17.	15.	99.	46.
%RSD	.3929	.0220	.0705	.1738	.3202	.6892	.2383
#1	97510.	2455.	242800.	9560.	4840.	14490.	19350.
#2	96970.	2456.	242500.	9583.	4818.	14350.	19280.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	105400.	2637.	263700.	10540.	5274.	15810.	
Low	94510.	2363.	236300.	9451.	4726.	14190.	
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El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	19180.	9603.	9590.	19220.	9595.	1962.	978.2
SDev	15.	44.	31.	25.	6.	8.	.7
%RSD	.0767	.4585	.3230	.1307	.0625	.4227	.0679
#1	19190.	9634.	9568.	19240.	9590.	1956.	978.7
#2	19170.	9572.	9612.	19200.	9599.	1968.	977.8
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				21100.	10540.	2108.	1054.
Low				18910.	9451.	1892.	945.1
El em	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avg	4827.	1925.	9630.	19770.			
SDev	2.	7.	30.	17.			
%RSD	.0371	.3668	.3116	.0852			
#1	4828.	1930.	9608.	19760.			
#2	4825.	1920.	9651.	19780.			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	5272.	2108.	10540.	21080.			
Low	4728.	1892.	9460.	18920.			

Method: SW846 Sample Name: ICV/CCV1 Operator:  
 Run Time: 08/24/07 11:38:12  
 Comment: 8048  
 Mode: CONC Corr. Factor: 1

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El em	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	L934.1	4873.	9738.	995.1	2501.	125900.
SDev	2.	4.6	18.	12.	7.4	20.	883.
%RSD	.0016	.4919	.3716	.1219	.7434	.7936	.7013
#1	126100.	L937.3	4886.	9746.	1000.	2515.	126600.
#2	126100.	L930.8	4860.	9729.	989.8	2487.	125300.
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	131800.	1054.	5274.	10550.	1054.	2637.	131800.
Low	118200.	945.1	4726.	9451.	945.1	2363.	118200.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4950.	2494.	12250.	99640.	123700.	4949.	2505.
SDev	28.	14.	2.	635.	728.	27.	12.

23123NT1. txt

%RSD	. 5602	. 5525	. 0180	. 6369	. 5884	. 5451	. 4846
#1	4970.	2504.	12250.	100100.	124200.	4968.	2514.
#2	4930.	2484.	12250.	99190.	123200.	4930.	2497.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5274.	2637.	13180.	105500.	131800.	5274.	2636.
Low	4726.	2363.	11820.	94510.	118200.	4726.	2363.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	48970.	1228.	121600.	5019.	2501.	7572.	10000.
SDev	248.	4.	87.	36.	15.	76.	24.
%RSD	. 5069	. 2922	. 0715	. 7213	. 6129	1. 010	. 2443
#1	48800.	1231.	121500.	5044.	2511.	7626.	10020.
#2	49150.	1226.	121600.	4993.	2490.	7518.	9985.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	52740.	1318.	131800.	5274.	2637.	7908.	
Low	47260.	1182.	118200.	4726.	2363.	7089.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	9983.	4980.	4969.	9989.	4973.	1009.	506. 3
SDev	18.	20.	23.	20.	9.	2.	1. 7
%RSD	. 1761	. 4094	. 4691	. 1989	. 1762	. 2047	. 3323
#1	9995.	4994.	4953.	10000.	4967.	1011.	507. 5
#2	9970.	4965.	4986.	9975.	4979.	1008.	505. 1
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				10550.	5274.	1054.	527. 4
Low				9451.	4726.	946. 0	472. 6
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	2447.	977. 9	4970.	10040.			
SDev	13.	7. 6	8.	38.			
%RSD	. 5257	. 7734	. 1522	. 3766			

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#1	2456.	983. 2	4975.	10070.
#2	2438.	972. 5	4964.	10010.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	2636.	1054.	5272.	10540.
Low	2364.	946. 0	4728.	9455.

Method: SW846

Sample Name: ICB/CCB1

Operator:

Run Time: 08/24/07 11:44:19

Comment: 8048

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36. 65	1. 214	. 1013	1. 523	. 0232	. 0641	18. 05
SDev	8. 43	3. 810	2. 469	. 339	. 0611	. 1302	5. 35
%RSD	22. 99	313. 7	2436.	22. 29	263. 7	203. 0	29. 66
#1	30. 69	3. 908	1. 847	1. 283	. 0663	. 0279	14. 26
#2	42. 61	- 1. 479	- 1. 644	1. 763	. 0200	. 1562	21. 84

23123NT1.txt

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
Low	-200. 0	-10. 00	-5. 000	-100. 0	-2. 000	-4. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 4681	. 0673	2. 052	5. 167	26. 34	. 8156	1. 601
SDev	. 2320	. 3213	. 342	1. 018	1. 30	. 2058	. 124
%RSD	49. 57	477. 1	16. 64	19. 71	4. 930	25. 24	7. 754
#1	. 6322	. . 1598	1. 811	4. 447	25. 42	. 6700	1. 689
Analysi s	Report			08/24/07 11: 50: 24 AM			page 19
#2	. 3040	. 2945	2. 294	5. 887	27. 26	. 9611	1. 513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	50. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	-10. 00	-50. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	294. 9	. 4429	265. 1	. 2316	1. 491	. 8043	1. 160
SDev	6. 1	. 1616	156. 9	3. 825	. 507	. 0013	10. 96
%RSD	2. 060	36. 50	59. 18	1652.	34. 02	. 1604	944. 6
#1	299. 2	. 3286	154. 2	-2. 473	1. 850	. 8033	-6. 587
#2	290. 6	. 5572	376. 1	2. 936	1. 132	. 8052	8. 906
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	-3000.	-10. 00	-3000.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	2. 054	. . 0038	. . 1566	1. 757	. . 1047	2. 017	. . 1472
SDev	. 150	5. 3414	4. 9463	3. 548	1. 5205	. 369	. 4830
%RSD	7. 316	140000.	3159.	201. 9	1452.	18. 30	328. 1
#1	2. 160	-3. 781	3. 341	. . 7518	. 9704	2. 278	. 1943
#2	1. 947	3. 773	-3. 654	H4. 266	-1. 180	1. 756	. . 4887
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3. 000	5. 000	50. 00	10. 00
Low				-3. 000	-5. 000	-50. 00	-5. 000
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	. 9786	3. 343	. 8161	1. 917			
SDev	. 7290	1. 236	. 1789	. 208			
%RSD	74. 50	36. 99	21. 93	10. 87			
#1	1. 494	2. 468	. 6896	1. 770			
#2	. 4631	4. 217	. 9426	2. 065			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20. 00	20. 00	50. 00	20. 00			
Low	-20. 00	-20. 00	-50. 00	-20. 00			

Method: SW846 Sample Name: IC5A1  
 Run Time: 08/24/07 11: 50: 27  
 Comment: 8048  
 Mode: CONC Corr. Factor: 1

Operator:

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El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	509300.	-4. 612	-5. 738	. 4124	-. 2130	-3. 912	494400.
SDev	4024.	3. 938	1. 488	. 1786	. 0000	. 286	4474.
%RSD	. 7901	85. 37	25. 93	43. 30	. 0174	7. 321	. 9050
#1	506400.	-7. 397	-6. 790	. 2861	-. 2130	-3. 709	491200.
#2	512100.	-1. 828	-4. 685	. 5387	-. 2130	-4. 114	497600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	600000.	10. 00	8. 000	100. 0	2. 000	5. 000	600000.
Low	400000.	-10. 00	-8. 000	-100. 0	-2. 000	-5. 000	400000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2. 594	-. 0599	-1. 298	202000.	541600.	. 1962	10. 45
SDev	. 187	. 2017	. 147	2165.	6175.	. 0795	. 91
%RSD	7. 225	336. 8	11. 34	1. 072	1. 140	40. 48	8. 719
#1	2. 727	-. 2025	-1. 402	200500.	537300.	. 2524	9. 803
#2	2. 462	. 0827	-1. 194	203500.	546000.	. 1401	11. 09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	20. 00	25. 00	240000.	600000.	15. 00	40. 00
Low	-10. 00	-20. 00	-25. 00	160000.	400000.	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	200. 5	-. 8598	160. 8	-6. 435	1. 115	3. 360	26. 96
SDev	1. 1	. 3567	9. 3	1. 951	. 589	. 406	. 53
%RSD	. 5392	41. 48	5. 780	30. 32	52. 86	12. 09	1. 956
#1	199. 7	-1. 112	167. 4	-5. 055	. 6980	3. 072	26. 59
#2	201. 2	-. 6076	154. 2	-7. 815	1. 531	3. 647	27. 33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	5000.	10. 00	5000.	10. 00	20. 00	30. 00	
Low	-5000.	-10. 00	-5000.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Analysi s	Report			08/24/07 11: 56: 31 AM			page 22
Uni ts				ppb	ppb	ppb	ppb
Avge	-25. 07	-2. 896	-13. 56	L-7. 745	L-10. 01	1. 556	-. 0772
SDev	2. 29	5. 100	. 84	1. 355	1. 14	1. 412	. 2550
%RSD	9. 150	176. 1	6. 160	17. 49	11. 40	90. 76	330. 5
#1	-23. 45	. 7100	-14. 15	L-6. 787	-9. 201	2. 554	. 1032
#2	-26. 70	-6. 502	-12. 97	L-8. 703	L-10. 81	. 5573	-. 2575
Errors	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Low	NOCHECK	LC Pass
Hi gh				5. 000	10. 00		20. 00
Low				-5. 000	-10. 00		-20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	-1. 614	. 2053	1. 810	-7. 887			
SDev	. 235	. 0871	. 083	. 274			
%RSD	14. 58	42. 41	4. 613	3. 473			
#1	-1. 780	. 2669	1. 751	-8. 080			
#2	-1. 447	. 1438	1. 869	-7. 693			

23123NT1.txt

Errors LC Pass LC Pass LC Pass LC Pass  
 High 20.00 50.00 20.00 20.00  
 Low -20.00 -50.00 -20.00 -20.00

Method: SW846 Sample Name: ICSAB1 Operator:  
 Run Time: 08/24/07 11:58:39  
 Comment: 8048  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	518500.	97.67	93.95	106.5	100.7	98.60	503400.
SDev	868.	.40	.64	.2	.1	.06	452.
%RSD	.1674	.4104	.6789	.1935	.0990	.0628	.0897

#1	517900.	97.38	94.40	106.6	100.8	98.65	503100.
#2	519100.	97.95	93.50	106.3	100.7	98.56	503700.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	120.0	600000.
Low	400000.	80.00	80.00	80.00	80.00	80.00	400000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	103.0	99.00	103.6	205300.	549800.	101.7	109.4
SDev	.1	.34	.6	117.	756.	.3	.1
%RSD	.0833	.3415	.5668	.0568	.1376	.3069	.1295

#1	103.1	98.76	104.1	205200.	549200.	101.9	109.3
#2	102.9	99.24	103.2	205400.	550300.	101.5	109.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	120.0	240000.	600000.	120.0	120.0
Low	80.00	80.00	80.00	160000.	400000.	80.00	80.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	10410.	102.7	10220.	95.76	102.7	101.2	122.2
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SDev	41.	.2	110.	.14	.2	.6	1.9
%RSD	.3911	.1573	1.072	.1467	.2008	.5901	1.576

#1	10380.	102.8	10150.	95.86	102.8	101.6	120.8
#2	10430.	102.6	10300.	95.66	102.5	100.8	123.6

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	12000.	120.0	12000.	120.0	120.0	120.0	
Low	800.0	80.00	800.0	80.00	80.00	80.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	78.12	103.7	97.22	92.81	99.38	104.2	.5013
SDev	6.71	2.1	4.66	3.84	3.80	1.7	.6926
%RSD	8.593	2.008	4.796	4.133	3.827	1.660	138.1

#1	82.87	102.2	93.92	95.52	96.69	105.4	.9910
#2	73.38	105.2	100.5	90.09	102.1	103.0	.0116

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
High				120.0	120.0	120.0	
Low				80.00	80.00	80.00	

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El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	100.1	103.2	109.9	96.17
SDev	.1	2.5	.2	.81
%RSD	.0968	2.383	.1678	.8442
#1	100.1	104.9	110.1	96.74
#2	100.2	101.5	109.8	95.60
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	120.0	120.0
Low	80.00	80.00	80.00	80.00

Method: SW846 Sample Name: MCL Operator:  
 Run Time: 08/24/07 12:04:46  
 Comment: 8048  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	881.7	11.45	5.959	10.13	10.01	10.22	2192.
SDev	441.9	4.67	1.381	.05	.04	.17	6.
%RSD	50.11	40.77	23.17	.5167	.4369	1.706	.2957
#1	1194.	14.75	4.982	10.17	9.977	10.35	2196.
#2	569.3	8.150	6.935	10.09	10.04	10.10	2187.

El em Cr2677 Co2286 Cu3247 Fe2714 Mg2790 Mn2576 Ni 2316  
 Units ppb ppb ppb ppb ppb ppb ppb  
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Avg	11.73	9.719	9.908	214.1	2033.	10.30	11.62
SDev	2.04	.225	.305	34.8	9.	.25	1.54
%RSD	17.39	2.314	3.075	16.28	.4233	2.379	13.22
#1	13.17	9.560	10.12	238.7	2039.	10.48	12.71
#2	10.29	9.878	9.693	189.4	2027.	10.13	10.53

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4789.	7.911	4742.	11.03	9.896	12.40	12.56
SDev	47.	.786	86.	1.98	.329	.67	4.23
%RSD	.9773	9.938	1.822	17.92	3.320	5.418	33.72
#1	4822.	7.355	4803.	12.43	9.664	12.88	9.562
#2	4756.	8.467	4681.	9.633	10.13	11.93	15.55

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.23	13.04	9.116	11.67	10.42	51.09	-.4582
SDev	1.34	7.79	2.329	.52	4.15	1.92	.5997
%RSD	11.91	59.70	25.55	4.433	39.77	3.753	130.9
#1	12.17	7.537	7.469	11.31	7.493	52.44	-.0341
#2	10.28	18.55	10.76	12.04	13.36	49.73	-.8822

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	111.2	101.1	100.1	114.5
SDev	.5	1.3	.0	7.6
%RSD	.4156	1.279	.0229	6.616

#1	111. 5	102. 1	100. 1	119. 8
#2	110. 9	100. 2	100. 1	109. 1

Method: SW846 Sample Name: MCL-2 Operator:  
 Run Time: 08/24/07 12: 10: 53  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	192. 6	6. 071	- . 0020	5. 081	4. 954	4. 917	1097.
SDev	1. 9	1. 297	1. 0124	. 011	. 027	. 047	2.
%RSD	. 9892	21. 36	50020.	. 2187	. 5388	. 9637	. 1510
#1	194. 0	6. 989	- . 7179	5. 073	4. 973	4. 951	1098.
#2	191. 3	5. 154	. 7139	5. 089	4. 936	4. 884	1096.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5. 053	4. 697	4. 511	101. 0	1034.	5. 153	6. 856
SDev	. 344	. 114	. 167	9. 6	3.	. 016	. 183
Anal ysi s	Report			08/24/07 12: 16: 57 PM			page 7

%RSD	6. 813	2. 426	3. 701	9. 549	. 2529	. 3052	2. 675
#1	5. 296	4. 616	4. 630	107. 8	1036.	5. 141	6. 727
#2	4. 809	4. 778	4. 393	94. 16	1033.	5. 164	6. 986

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2513.	3. 686	2506.	3. 675	5. 822	5. 738	12. 31
SDev	3.	. 083	43.	2. 597	1. 359	. 072	1. 02
%RSD	. 1278	2. 249	1. 716	70. 67	23. 35	1. 249	8. 247
#1	2515.	3. 628	2475.	5. 512	4. 861	5. 688	11. 59
#2	2511.	3. 745	2536.	1. 838	6. 783	5. 789	13. 03

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3. 848	10. 59	3. 147	6. 671	5. 626	25. 77	- . 2884
SDev	. 473	5. 99	5. 098	. 023	5. 394	. 47	. 6811
%RSD	12. 30	56. 55	162. 0	. 3442	95. 88	1. 814	236. 2
#1	4. 182	6. 354	- . 4578	6. 654	1. 812	26. 10	. 1933
#2	3. 513	14. 82	6. 752	6. 687	9. 440	25. 44	- . 7700

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Uni ts	ppb	ppb	ppb	ppb
Avge	56. 08	50. 64	50. 88	55. 61
SDev	. 80	2. 45	. 01	. 15
%RSD	1. 428	4. 833	. 0176	. 2674
#1	55. 51	48. 91	50. 89	55. 72
#2	56. 65	52. 37	50. 87	55. 51

Method: SW846 Sample Name: INT-20 Operator:  
 Run Time: 08/24/07 12: 17: 01  
 Comment: 8048  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44. 83	- 42. 19	14. 95	. 2099	. 2413	- 4. 055	92. 35



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SDev	31. 42	3. 03	2. 48	. 1245	. 1427	. 107	20. 20
%RSD	70. 09	7. 172	16. 61	59. 31	59. 13	2. 635	21. 88
#1	67. 05	-40. 05	13. 20	. 2980	. 3422	-3. 980	106. 6
#2	22. 61	-44. 33	16. 71	. 1219	. 1404	-4. 131	78. 07
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20180.	20410.	1. 588	8. 018	12. 85	19660.	20730.
SDev	3.	3.	. 553	3. 409	19. 49	25.	9.
%RSD	. 0126	. 0149	34. 82	42. 52	151. 7	. 1272	. 0442
#1	20180.	20410.	1. 979	5. 607	26. 63	19640.	20730.
Analysi s	Report			08/24/07 12: 23: 05 PM			page 9
#2	20180.	20410.	1. 197	10. 43	- . 9371	19680.	20720.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	192. 7	- . 9433	-248. 6	3. 204	19850.	11. 88	3. 918
SDev	25. 1	1. 1199	153. 1	1. 413	42.	. 49	5. 807
%RSD	13. 01	118. 7	61. 59	44. 11	. 2095	4. 142	148. 2
#1	210. 5	- . 1514	-140. 3	4. 203	19820.	12. 23	8. 024
#2	175. 0	-1. 735	-356. 9	2. 204	19880.	11. 53	- . 1884
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	. 2692	- . 0617	. 8953	1. 487	. 5776	15. 94	5142.
SDev	. 3950	3. 6238	2. 403	2. 196	. 3959	. 31	11.
%RSD	146. 7	5874.	268. 4	147. 8	68. 55	1. 960	. 2052
#1	. 5485	2. 501	- . 8037	3. 040	. 2976	15. 72	5134.
#2	- . 0101	-2. 624	2. 594	- . 0666	. 8575	16. 16	5149.
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avg	19920.	20330.	19060.	20320.			
SDev	50.	26.	46.	37.			
%RSD	. 2528	. 1298	. 2431	. 1813			
#1	19880.	20320.	19030.	20290.			
#2	19950.	20350.	19090.	20340.			

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Method: SW846 Sample Name: PBW082307- 118 Operator:  
Run Time: 08/24/07 12: 23: 08  
Comment: 7976  
Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20. 23	-2. 099	-2. 349	- . 2395	- . 2316	- . 7475	5. 948
SDev	1. 25	. 255	3. 430	. 0808	. 0086	. 2210	. 946
%RSD	6. 154	12. 16	146. 0	33. 75	3. 735	29. 56	15. 90
#1	21. 11	-1. 918	-4. 774	- . 1823	- . 2377	- . 5912	6. 617
#2	19. 35	-2. 279	. 0761	- . 2966	- . 2255	- . 9037	5. 279
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	200. 0	10. 00	5. 000	200. 0	3. 000	4. 000	1000.
Low	-200. 0	-10. 00	-5. 000	-200. 0	-3. 000	-4. 000	-500. 0

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El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1. 142	1. 287	- . 5408	- 5. 843	9. 867	1. 621	3. 031
SDev	. 460	. 636	. 0700	2. 013	2. 539	. 473	. 891
%RSD	40. 27	49. 42	12. 95	34. 45	25. 73	29. 19	29. 39
#1	1. 468	1. 736	- . 5904	- 4. 419	11. 66	1. 956	3. 661
#2	. 8170	. 8372	- . 4913	- 7. 266	8. 072	1. 287	2. 402
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	15. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	- 10. 00	- 15. 00	- 25. 00	- 150. 0	- 500. 0	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	244. 4	- . 5914	69. 90	- . 3021	1. 662	. 9853	- 1. 640
SDev	8. 7	. 2394	78. 31	7. 2251	. 494	. 1033	. 419
%RSD	3. 557	40. 48	112. 0	2391.	29. 70	10. 49	25. 55
#1	250. 6	- . 7606	125. 3	4. 807	1. 313	. 9122	- 1. 344
#2	238. 3	- . 4221	14. 53	- 5. 411	2. 011	1. 058	- 1. 936
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	- 3000.	- 10. 00	- 3000.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	- 1. 413	8. 064	- 3. 632	- 1. 485	. 2635	3. 825	. 3306
SDev	3. 737	2. 983	2. 522	2. 356	2. 676	. 961	. 2795
%RSD	264. 4	36. 99	69. 43	158. 6	1015.	25. 11	84. 55
#1	- 4. 056	10. 17	- 1. 849	L- 3. 152	2. 155	4. 505	. 1330
#2	1. 229	5. 955	- 5. 416	. 1809	- 1. 628	3. 146	. 5283
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3. 000	5. 000	50. 00	10. 00
Low				- 3. 000	- 5. 000	- 50. 00	- 5. 000
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Analysi s	Report			08/24/07 12: 29: 12 PM			page 12
Uni ts	ppb	ppb	ppb	ppb			
Avge	5. 206	3. 167	1. 560	1. 917			
SDev	1. 244	. 446	. 332	. 294			
%RSD	23. 89	14. 09	21. 29	15. 32			
#1	6. 086	3. 483	1. 795	2. 125			
#2	4. 327	2. 852	1. 325	1. 709			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20. 00	20. 00	50. 00	20. 00			
Low	- 20. 00	- 20. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 855009 Operator:  
 Run Time: 08/24/07 12: 29: 15  
 Comment: 8329  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28. 57	- 1. 930	- 1. 790	123. 4	- . 2435	- . 7208	40110.

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SDev	1. 77	4. 925	. 327	. 2	. 0683	. 0185	63.
%RSD	6. 180	255. 1	18. 28	. 1469	28. 03	2. 568	. 1579
#1	29. 82	1. 552	- 1. 558	123. 3	- . 1953	- . 7077	40150.
#2	27. 33	- 5. 413	- 2. 021	123. 5	- . 2918	- . 7339	40060.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 1230	. 6432	1. 288	- 9. 487	11180.	27. 69	2. 004
Analysi s	Report			08/24/07 12: 35: 19 PM			page 14

SDev	. 0941	. 6567	. 173	1. 132	24.	. 19	1. 462
%RSD	76. 48	102. 1	13. 44	11. 93	. 2163	. 7019	72. 93
#1	. 0565	1. 108	1. 411	- 10. 29	11200.	27. 83	. 9707
#2	. 1896	. 1789	1. 166	- 8. 687	11170.	27. 55	3. 038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	1223.	- . 2073	19470.	- 1. 712	4. 118	7. 857	- . 7367
SDev	25.	. 4120	105.	2. 306	. 011	. 752	4. 1705
%RSD	2. 029	198. 8	. 5402	134. 7	. 2637	9. 569	566. 1
#1	1241.	. 0841	19540.	- 3. 343	4. 126	8. 389	2. 212
#2	1206.	- . 4986	19390.	- . 0819	4. 110	7. 326	- 3. 686
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	- . 3238	9. 061	- 5. 388	- . 4578	- . 5758	213. 7	- . 5225
SDev	. 2138	. 468	3. 399	1. 2427	2. 1111	1. 1	1. 1108
%RSD	66. 01	5. 170	63. 08	271. 5	366. 6	. 5341	212. 6
#1	- . 4750	9. 392	- 7. 792	. 4209	- 2. 069	212. 9	- 1. 308
#2	- . 1727	8. 729	- 2. 985	- 1. 336	. 9170	214. 5	. 2629
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	1. 682	3. 382	98. 72	. 8252			
SDev	. 135	. 036	. 05	. 0601			
%RSD	8. 040	1. 057	. 0465	7. 280			
#1	1. 587	3. 357	98. 69	. 8677			
#2	1. 778	3. 407	98. 76	. 7827			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

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Method: SW846      Sample Name: 853176- 5- 119      Operator:
Run Time: 08/24/07 12: 35: 22
Comment: 14543
Mode: CONC      Corr. Factor: 1

El em   Al 3082   Sb2068   As1890   Ba4934   Be3130   Cd2265   Ca3179
Units   ppb        ppb        ppb        ppb        ppb        ppb        ppb
Avge    17420.     -3. 353   -. 2423   87. 65    . 3756    -. 4337    119000.
SDev    33.        2. 284    . 4352    . 13      . 0048    . 0110     230.
%RSD    . 1885     68. 12    179. 6    . 1509    1. 273    2. 533     . 1937

#1      17390.     -1. 738   -. 5500   87. 56    . 3722    -. 4259    119100.
#2      17440.     -4. 969    . 0654    87. 75    . 3789    -. 4415    118800.

Errors  LC Pass    LC Pass    LC Pass    LC Pass    LC Pass    LC Pass    LC Pass
Hi gh   250000.    2000.      10000.     20000.     2000.      5000.      250000.
Low     -200. 0    -10. 00    -5. 000    -20. 00    -3. 000    -5. 000    -1000.

El em   Cr2677    Co2286    Cu3247    Fe2714    Mg2790    Mn2576    Ni 2316
Units   ppb        ppb        ppb        ppb        ppb        ppb        ppb
Avge    192. 9     9. 588    125. 5     21770.     8876.      481. 4     102. 5
SDev    . 6         . 671     . 1         18.        13.        . 0         . 4
%RSD    . 3272     6. 994    . 0814     . 0831     . 1505     . 0072     . 3946

#1      193. 4     10. 06    125. 5     21780.     8886.      481. 4     102. 8
#2      192. 5     9. 114    125. 6     21760.     8867.      481. 4     102. 2

Errors  LC Pass    LC Pass    LC Pass    LC Pass    LC Pass    LC Pass    LC Pass
Hi gh   10000.     5000.      25000.     200000.    250000.    10000.     5000.
Low     -10. 00    -10. 00    -25. 00    -150. 0    -1000.     -15. 00    -40. 00

El em   K_7664    Ag3280    Na3302    Tl 1908    V_2924    Zn2062    2203/1
Units   ppb        ppb        ppb        ppb        ppb        ppb        ppb
Avge    1582.      -. 9631    593. 9     -1. 503    30. 13     276. 7     51. 03
SDev    21.        . 7196    10. 6      . 447      . 01        2. 5        1. 50
%RSD    1. 298     74. 72    1. 788     29. 76    . 0271     . 8933     2. 941

#1      1596.      -. 4543    586. 4     -1. 819    30. 13     278. 5     49. 97
#2      1567.      -1. 472    601. 4     -1. 187    30. 12     275. 0     52. 09

Errors  LC Pass    LC Pass    LC Pass    LC Pass    LC Pass    LC Pass    NOCHECK
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Hi gh   100000.    2500.      250000.    10000.     5000.      15000.
Low     -2500.     -10. 00    -2500.     -10. 00    -20. 00    -30. 00

El em   2203/2    1960/1    1960/2    Pb2203    Se1960    B_2496    La3988
Units   ppb        ppb        ppb        ppb        ppb        ppb        ppb
Avge    48. 49     3. 299    -1. 627    49. 34     . 0145     22. 97     13. 16
SDev    3. 71      4. 267    2. 199     1. 97      . 0460     1. 50      . 40
%RSD    7. 647     129. 3    135. 2     3. 999     316. 6     6. 517     3. 053

#1      51. 11     . 2819    -. 0717    50. 73     . 0471     24. 03     13. 45
#2      45. 87     6. 316    -3. 182    47. 94     -. 0180     21. 91     12. 88

Errors  NOCHECK    NOCHECK    NOCHECK    LC Pass    LC Pass    LC Pass    LC Pass
Hi gh   NOCHECK    NOCHECK    NOCHECK    20000.     10000.     2000.      2000.
Low     NOCHECK    NOCHECK    NOCHECK    -6. 000    -10. 00    -50. 00    -20. 00

El em   Mo2020    Sn1899    Sr4215    Ti 3349
Units   ppb        ppb        ppb        ppb
Avge    5. 708     7. 762    470. 0     874. 7

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SDev	. 170	. 951	. 6	1. 1
%RSD	2. 976	12. 25	. 1179	. 1203
#1	5. 828	8. 435	469. 6	875. 4
#2	5. 588	7. 090	470. 4	873. 9
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20. 00	-50. 00	-50. 00	-20. 00

Method: SW846 Sample Name: 853028- 080 Operator:  
 Run Time: 08/24/07 12: 41: 30  
 Comment: 14568  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19. 65	1. 232	. . 3505	80. 65	. . 1697	. . 7223	56900.
SDev	4. 35	2. 486	. 7886	. 38	. 0209	. 1358	114.
%RSD	22. 14	201. 8	225. 0	. 4717	12. 32	18. 80	. 2005
#1	22. 73	2. 990	. 2071	80. 38	. . 1549	. . 6262	56980.
#2	16. 58	. . 5258	. . 9081	80. 92	. . 1845	. . 8183	56820.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	. 6847	. . 2593	. 7690	. . 1488	19660.	6. 875	7. 234
SDev	. 5259	. 0708	. 1655	. 0101	21.	. 141	1. 509
%RSD	76. 80	27. 29	21. 52	6. 774	. 1083	2. 054	20. 86
#1	1. 057	. . 3094	. 8860	. . 1560	19680.	6. 975	8. 301
#2	. 3129	. . 2093	. 6519	. . 1417	19650.	6. 775	6. 167
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1188.	-1. 062	13620.	-1. 904	2. 811	7. 867	1. 755
SDev	32.	. 110	118.	. 977	. 286	. 886	7. 233
%RSD	2. 735	10. 35	. 8675	51. 32	10. 18	11. 26	412. 1
#1	1211.	. . 9847	13540.	-2. 595	3. 013	8. 494	-3. 359
#2	1165.	-1. 140	13710.	-1. 213	2. 608	7. 241	6. 870
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	. . 3868	15. 22	1. 797	. 3325	6. 269	125. 8	. . 8365
SDev	5. 9934	1. 18	1. 436	1. 589	. 566	2. 3	. 1605
%RSD	1550.	7. 736	79. 92	477. 8	9. 024	1. 827	19. 18
#1	3. 851	14. 39	2. 812	1. 456	6. 669	127. 5	. . 7230
#2	-4. 625	16. 06	. 7814	. . 7910	5. 869	124. 2	. . 9500

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Errors High Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. -6.000	LC Pass 10000. -10.00	LC Pass 2000. -50.00	LC Pass 2000. -20.00
Element Analysis	Mo2020 Report	Sn1899	Sr4215	Ti 3349	08/24/07 12:47:35 PM		page 20
Units	ppb	ppb	ppb	ppb			
Avg	2.681	1.435	747.4	.1954			
SDev	1.079	1.411	1.6	.2777			
%RSD	40.24	98.38	.2172	142.1			
#1	3.444	.4366	746.2	.3918			
#2	1.918	2.433	748.5	-.0009			
Errors High Low	LC Pass 5000. -20.00	LC Pass 2000. -50.00	LC Pass 10000. -50.00	LC Pass 20000. -20.00			

Method: SW846 Sample Name: 853029 Operator:  
 Run Time: 08/24/07 12:47:38  
 Comment:  
 Mode: CONC Corr. Factor: 1

Element Analysis	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7409.	-3.980	3.582	154.4	.1568	-.9222	55600.
SDev	1.	2.993	.085	.1	.0113	.0349	214.
%RSD	.0189	75.19	2.378	.0497	7.217	3.786	.3853
#1	7408.	-6.096	3.522	154.5	.1648	-.8975	55750.
#2	7410.	-1.864	3.642	154.4	.1488	-.9469	55450.
Errors High Low	LC Pass 250000. -200.0	LC Pass 2000. -10.00	LC Pass 10000. -5.000	LC Pass 20000. -20.00	LC Pass 2000. -3.000	LC Pass 5000. -5.000	LC Pass 250000. -1000.
Element Analysis	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	40.55	2.985	12.22	7229.	20910.	305.2	28.97
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SDev	.66	.124	.17	31.	65.	1.1	1.02
%RSD	1.635	4.151	1.427	.4234	.3089	.3534	3.531
#1	41.02	2.898	12.09	7250.	20960.	306.0	29.70
#2	40.08	3.073	12.34	7207.	20870.	304.5	28.25
Errors High Low	LC Pass 10000. -10.00	LC Pass 5000. -10.00	LC Pass 25000. -25.00	LC Pass 200000. -150.0	LC Pass 250000. -1000.	LC Pass 10000. -15.00	LC Pass 5000. -40.00
Element Analysis	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	2562.	-.7487	13450.	-.2590	15.63	25.97	10.31
SDev	16.	.5259	95.	2.5936	.72	.04	.95
%RSD	.6282	70.24	.7080	1001.	4.610	.1659	9.172
#1	2573.	-.3768	13520.	-2.093	15.12	26.01	10.98
#2	2551.	-1.121	13380.	1.575	16.14	25.94	9.642

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Errors High	LC Pass 100000.	LC Pass 2500.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avg	3. 789	9. 700	- . 3644	5. 962	2. 988	136. 1	3. 428
SDev	. 715	3. 091	2. 6471	. 162	. 736	1. 3	. 842
%RSD	18. 88	31. 86	726. 5	2. 709	24. 65	. 9232	24. 56
#1	3. 283	11. 88	- 2. 236	5. 848	2. 467	135. 2	4. 024
#2	4. 295	7. 514	1. 507	6. 076	3. 509	136. 9	2. 833
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avg	5. 574	2. 613	730. 9	164. 9			
SDev	. 072	. 818	. 6	. 2			
%RSD	1. 285	31. 32	. 0833	. 1464			
#1	5. 624	3. 192	731. 3	165. 1			
#2	5. 523	2. 034	730. 4	164. 7			
Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: CCV2 Operator:   
 Run Time: 08/24/07 12: 53: 46   
 Comment: 15060   
 Mode: CONC Corr. Factor: 1

El em Units	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avg	126000.	939. 3	4879.	9848.	998. 3	2485.	126900.
SDev	258.	1. 2	7.	36.	. 8	2.	45.
%RSD	. 2044	. 1292	. 1337	. 3650	. 0765	. 0611	. 0354
#1	125800.	938. 5	4874.	9823.	997. 8	2484.	126800.
#2	126200.	940. 2	4883.	9874.	998. 9	2486.	126900.
Errors High	LC Pass 138000.	LC Pass 1105.	LC Pass 5525.	LC Pass 11050.	LC Pass 1105.	LC Pass 2762.	LC Pass 138100.
Low	112000.	895. 0	4475.	8950.	895. 0	2238.	112000.
El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avg	4986.	2503.	12380.	100000.	124800.	4972.	2501.
SDev	1.	1.	52.	27.	146.	10.	2.
%RSD	. 0117	. 0376	. 4224	. 0265	. 1172	. 2019	. 0752
#1	4985.	2503.	12340.	99990.	124700.	4965.	2503.
#2	4986.	2504.	12420.	100000.	124900.	4979.	2500.
Errors High	LC Pass 5525.	LC Pass 2762.	LC Pass 13810.	LC Pass 110500.	LC Pass 138100.	LC Pass 5525.	LC Pass 2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avg	49500.	1237.	123000.	5020.	2517.	7580.	10120.

23123NT1. txt

SDev	48.	5.	273.	3.	7.	9.	59.
%RSD	. 0979	. 3989	. 2222	. 0531	. 2681	. 1234	. 5877
#1	49460.	1234.	122800.	5018.	2512.	7587.	10080.
#2	49530.	1241.	123200.	5022.	2522.	7573.	10160.
Errors Analysis	LC Pass Report	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
				08/24/07	12: 59: 50 PM		page 25
High	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avg	10120.	4986.	5007.	10120.	5000.	1012.	511. 1
SDev	43.	31.	24.	9.	6.	2.	. 1
%RSD	. 4277	. 6255	. 4763	. 0894	. 1104	. 1938	. 0274
#1	10150.	4964.	5024.	10120.	5004.	1011.	511. 0
#2	10080.	5008.	4990.	10110.	4996.	1013.	511. 2
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				11050.	5525.	1104.	552. 5
Low				8951.	4475.	896. 0	447. 5
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avg	2462.	982. 6	5008.	10000.			
SDev	1.	1. 8	16.	20.			
%RSD	. 0419	. 1804	. 3107	. 1989			
#1	2463.	983. 9	4997.	9988.			
#2	2461.	981. 4	5019.	10020.			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	2760.	1104.	5520.	11040.			
Low	2239.	896. 0	4478.	8960.			

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Method: SW846 Sample Name: CCB2 Operator:  
 Run Time: 08/24/07 12: 59: 53  
 Comment: 15060  
 Mode: CONC Corr. Factor: 1

El em Units	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avg	28. 01	- . 2452	. 0159	1. 056	- . 0270	- . 2822	16. 89
SDev	4. 31	. 5568	. 6669	. 369	. 0780	. 0027	6. 87
%RSD	15. 40	227. 1	4195.	34. 92	288. 9	. 9697	40. 68
#1	24. 96	- . 6389	. 4874	. 7953	- . 0821	- . 2803	12. 03
#2	31. 06	. 1486	- . 4556	1. 317	. 0281	- . 2842	21. 75
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
Low	- 200. 0	- 10. 00	- 5. 000	- 100. 0	- 2. 000	- 4. 000	- 1000.
El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avg	. 5276	. 0564	1. 170	21. 70	24. 59	. 6130	. 8468
SDev	. 8607	. 7194	. 024	11. 65	2. 06	. 1719	1. 222
%RSD	163. 1	1276.	2. 034	53. 68	8. 390	28. 05	144. 3



23123NT1.txt

#1	1.136	.5651	1.153	29.94	26.05	.4914	1.711
#2	-.0810	-.4523	1.187	13.46	23.13	.7346	-.0175
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	50.00	25.00	150.0	1000.	15.00	40.00
Low	-10.00	-50.00	-25.00	-150.0	-1000.	-15.00	-40.00
El em	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	286.1	-.3119	270.3	1.961	.9243	.2167	2.204
SDev	38.0	.2960	112.7	3.231	.3972	.5342	3.217
%RSD	13.27	94.90	41.69	164.8	42.97	246.5	145.9
#1	312.9	-.1026	350.0	4.246	1.205	.5944	-.0704
#2	259.2	-.5213	190.6	-.3239	.6434	-.1610	4.479
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	3000.	10.00	3000.	10.00	20.00	30.00	
Low	-3000.	-10.00	-3000.	-10.00	-20.00	-30.00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	-.8723	4.776	-.1491	.1582	1.492	1.813	-.0249
SDev	.1210	6.958	3.7624	1.152	4.827	.443	1.3162
%RSD	13.87	145.7	2524.	728.2	323.5	24.42	5296.
#1	-.9579	9.697	2.511	-.6563	4.905	2.126	.9058
#2	-.7868	-.1438	-2.809	.9726	-1.921	1.500	-.9555
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				3.000	5.000	50.00	10.00
Low				-3.000	-5.000	-50.00	-5.000

El em Mo2020 Sn1899 Sr4215 Ti3349  
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Units	ppb	ppb	ppb	ppb
Avge	.6783	-.5997	.6527	1.525
SDev	.0641	1.6364	.2103	.363
%RSD	9.450	272.9	32.21	23.79
#1	.7236	.5575	.5040	1.269
#2	.6330	-1.757	.8014	1.782
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.00	20.00	50.00	20.00
Low	-20.00	-20.00	-50.00	-20.00

Method: SW846 Sample Name: 853030 Operator:  
 Run Time: 08/24/07 13:06:00  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.14	-2.306	2.618	81.40	-.1314	-.5173	57220.
SDev	.36	2.206	1.812	.00	.0554	.0434	20.
%RSD	1.574	95.68	69.22	.0051	42.20	8.397	.0346
#1	22.88	-.7458	3.900	81.40	-.0922	-.5480	57230.
#2	23.40	-3.866	1.337	81.40	-.1705	-.4866	57200.

23123NT1.txt

Errors High	LC Pass 250000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.	LC Pass 2000.	LC Pass 5000.	LC Pass 250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	.5662	.0638	.6901	1.318	19750.	11.14	10.30
Analysis Report	08/24/07 01:12:04 PM						page 30
SDev	.4676	.3192	.1914	4.107	17.	.23	.51
%RSD	82.59	500.4	27.73	311.5	.0871	2.055	4.941
#1	.8969	.1619	.8254	4.222	19740.	11.31	10.66
#2	.2356	.2895	.5548	-1.585	19760.	10.98	9.942
Errors High	LC Pass 10000.	LC Pass 5000.	LC Pass 25000.	LC Pass 200000.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
El em Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avge	1134.	.2411	13590.	4.726	2.485	2.789	-2.574
SDev	9.	.4511	86.	2.708	1.142	.191	1.977
%RSD	.8054	187.1	.6295	57.31	45.95	6.837	76.83
#1	1141.	.0778	13650.	2.811	3.292	2.654	-1.175
#2	1128.	.5601	13530.	6.641	1.678	2.924	-3.972
Errors High	LC Pass 100000.	LC Pass 2500.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	.2640	15.56	-2.369	.6775	3.602	125.9	.2510
SDev	1.343	7.59	.995	1.5575	1.863	1.2	.2424
%RSD	508.5	48.77	41.99	229.9	51.72	.9792	96.58
#1	1.213	10.19	-1.666	.4238	2.285	126.8	.4224
#2	.6853	20.93	-3.073	-1.779	4.920	125.1	.0796
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				-6.000	-10.00	-50.00	-20.00
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	3.716	1.655	753.1	.1943			
SDev	.029	1.976	.5	.2070			
%RSD	.7769	119.5	.0669	106.5			
#1	3.696	3.052	752.7	.3406			
#2	3.737	.2570	753.4	.0479			
Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.			
Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846 Sample Name: 853037  
 Run Time: 08/24/07 13:12:07  
 Comment: 14568  
 Mode: CONC Corr. Factor: 1

Operator:

23123NT1. txt

El em Uni ts	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	32. 84	- 2. 190	. 0724	73. 96	- . 1995	- . 8289	79660.
SDev	5. 73	3. 279	4. 119	. 36	. 0315	. 1498	190.
%RSD	17. 45	149. 8	5687.	. 4811	15. 77	18. 08	. 2391
#1	28. 79	- 4. 508	- 2. 840	74. 21	- . 1773	- . 7229	79790.
#2	36. 89	. 1292	2. 985	73. 71	- . 2218	- . 9348	79520.
Errors Hi gh Low	LC Pass 250000. - 200. 0	LC Pass 2000. - 10. 00	LC Pass 10000. - 5. 000	LC Pass 20000. - 20. 00	LC Pass 2000. - 3. 000	LC Pass 5000. - 5. 000	LC Pass 250000. - 1000.
El em Uni ts	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	- . 0686	1. 363	1. 531	- . 9594	19180.	1. 712	6. 486
SDev	. 4860	. 531	. 306	4. 2647	56.	. 079	. 376
%RSD	708. 6	38. 93	20. 00	444. 5	. 2917	4. 607	5. 794
#1	. 2751	. 9877	1. 747	- 3. 975	19220.	1. 768	6. 751
#2	- . 4122	1. 738	1. 314	2. 056	19140.	1. 656	6. 220
Errors Hi gh Low	LC Pass 10000. - 10. 00	LC Pass 5000. - 10. 00	LC Pass 25000. - 25. 00	LC Pass 200000. - 150. 0	LC Pass 250000. - 1000.	LC Pass 10000. - 15. 00	LC Pass 5000. - 40. 00
El em Uni ts	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1 ppb
Avge	1702.	- . 4933	25380.	. 5293	1. 522	2. 685	- 1. 427
SDev	11.	. 7542	36.	2. 146	1. 160	. 187	2. 627
%RSD	. 6602	152. 9	. 1420	405. 4	76. 22	6. 974	184. 1
#1	1710.	- 1. 027	25360.	- . 9881	. 7018	2. 553	- 3. 285
#2	1694.	. 0399	25410.	2. 047	2. 342	2. 817	. 4304
Errors Analysi s	LC Pass Report	LC Pass	LC Pass	LC Pass 08/24/07	LC Pass 01: 18: 11 PM	LC Pass	NOCHECK page 33
Hi gh Low	100000. - 2500.	2500. - 10. 00	250000. - 2500.	10000. - 10. 00	5000. - 20. 00	15000. - 30. 00	
El em Uni ts	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	. 4406	6. 015	. 5009	- . 1753	2. 338	104. 6	- 1. 762
SDev	. 5582	8. 082	. 2266	1. 2472	2. 842	. 3	1. 038
%RSD	126. 7	134. 4	45. 25	711. 3	121. 6	. 3191	58. 90
#1	. 0459	. 3000	. 3406	- 1. 057	. 3281	104. 9	- 1. 028
#2	. 8353	11. 73	. 6611	. 7065	4. 348	104. 4	- 2. 496
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. - 6. 000	LC Pass 10000. - 10. 00	LC Pass 2000. - 50. 00	LC Pass 2000. - 20. 00
El em Uni ts	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	. 9796	1. 080	1188.	- . 0056			
SDev	. 4440	1. 669	2.	. 0677			
%RSD	45. 32	154. 5	. 1876	1217.			
#1	1. 294	2. 260	1190.	. 0423			
#2	. 6657	- . 1000	1186.	- . 0534			

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20.00	-50.00	-50.00	-20.00

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Method: SW846      Sample Name: 853038      Operator:  
 Run Time: 08/24/07 13:18:14  
 Comment: 7834  
 Mode: CONC      Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.44	-2.327	-2.253	76.25	- .2448	- .5543	82180.
SDev	5.25	3.735	.769	.08	.0016	.1673	150.
%RSD	36.36	160.5	34.13	.1089	.6651	30.19	.1821
#1	18.15	-4.968	-2.797	76.20	- .2460	- .6726	82080.
#2	10.73	.3140	-1.709	76.31	- .2437	- .4359	82290.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .2103	.7980	1.089	-14.42	19720.	.2116	7.280
SDev	.5753	.1313	.143	14.76	12.	.0398	.802
%RSD	273.5	16.45	13.17	102.4	.0601	18.83	11.02
#1	- .6172	.8908	1.190	-24.86	19720.	.1834	6.712
#2	.1965	.7051	.9875	-3.980	19730.	.2397	7.847

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1690.	- .4808	26160.	2.639	1.568	1.451	1.796
SDev	30.	1.2904	215.	5.726	.490	.560	.172
%RSD	1.766	268.4	.8201	217.0	31.26	38.61	9.594
#1	1669.	.4316	26010.	-1.410	1.915	1.055	1.918
#2	1711.	-1.393	26310.	6.688	1.222	1.847	1.674

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.215	13.94	2.759	1.415	6.484	108.4	- .4324
SDev	2.128	5.27	1.566	1.477	.711	.2	.5762
%RSD	175.1	37.80	56.75	104.4	10.96	.2302	133.3
#1	2.720	17.67	1.652	2.459	6.986	108.2	- .8399
#2	- .2896	10.21	3.866	.3704	5.981	108.6	- .0250

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00

El em	Mb2020	Sn1899	Sr4215	Ti 3349
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Units	ppb	ppb	ppb	ppb
Avg	.7481	1.301	1237.	-.2060
SDev	.2312	.708	2.	.2669
%RSD	30.91	54.47	.1389	129.5
#1	.5846	1.802	1236.	-.3947
#2	.9116	.7998	1238.	-.0173
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20.00	-50.00	-50.00	-20.00

Method: SW846 Sample Name: 853039 Operator:  
 Run Time: 08/24/07 13:24:21  
 Comment: 7834  
 Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	155.7	-4.955	-2.225	81.92	-.1931	-.8377	85660.
SDev	3.1	1.847	1.877	.12	.0003	.0551	300.
%RSD	1.982	37.28	84.37	.1456	.1702	6.577	.3503
#1	157.9	-3.649	-3.552	81.83	-.1934	-.7988	85450.
#2	153.5	-6.261	-.8974	82.00	-.1929	-.8767	85870.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9171	1.533	1.591	152.5	20570.	8.914	11.63
SDev							
%RSD							
#1							
#2							
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

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SDev	.0968	.650	.059	9.7	66.	.023	.51
%RSD	10.55	42.38	3.737	6.359	.3211	.2549	4.381
#1	.8486	1.993	1.634	145.7	20530.	8.930	11.27
#2	.9855	1.074	1.549	159.4	20620.	8.898	11.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
Elem	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1790.	-.9701	39890.	-1.697	1.807	4.263	-.1685
SDev	1.	.1154	78.	.844	.123	.096	2.8621
%RSD	.0501	11.90	.1955	49.75	6.786	2.261	1699.
#1	1790.	-.8885	39940.	-2.294	1.894	4.331	-2.192
#2	1789.	-1.052	39830.	-1.100	1.721	4.194	1.855
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

Elem	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb

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Avge	-1. 219	10. 17	-1. 526	-. 8659	2. 370	113. 9	-1. 471
SDev	1. 357	2. 61	3. 361	1. 8548	3. 110	. 3	. 246
%RSD	111. 3	25. 64	220. 2	214. 2	131. 2	. 2248	16. 74
#1	-2. 179	8. 328	-3. 903	-2. 177	. 1711	113. 7	-1. 297
#2	-. 2596	12. 02	. 8502	. 4457	4. 569	114. 0	-1. 645
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6. 000	-10. 00	-50. 00	-20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	. 7333	. 9939	1287.	3. 966			
SDev	. 0683	. 3740	1.	. 063			
%RSD	9. 319	37. 63	. 0713	1. 599			
#1	. 7816	1. 258	1287.	3. 921			
#2	. 6850	. 7294	1288.	4. 011			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	-20. 00	-50. 00	-50. 00	-20. 00			

Method: SW846 Sample Name: 853040 Operator:  
 Run Time: 08/24/07 13:30:29  
 Comment: 14568  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10. 17	-2. 887	-2. 043	72. 77	-. 1927	-. 6947	77730.
SDev	5. 38	1. 467	. 378	. 20	. 0022	. 0165	197.
%RSD	52. 89	50. 82	18. 49	. 2801	1. 133	2. 371	. 2539
#1	6. 368	-3. 925	-2. 311	72. 91	-. 1942	-. 7063	77870.
#2	13. 98	-1. 850	-1. 776	72. 62	-. 1912	-. 6831	77590.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 2643	1. 588	. 9859	-7. 695	18690.	. 1836	10. 11
SDev	. 0064	. 986	. 0848	5. 321	44.	. 0316	. 35
%RSD	2. 431	62. 09	8. 597	69. 15	. 2372	17. 19	3. 471
#1	. 2689	. 8907	1. 046	-11. 46	18720.	. 1613	9. 859
#2	. 2598	2. 285	. 9260	-3. 932	18650.	. 2059	10. 35
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	1661.	-1. 662	36050.	-1. 397	. 3957	3. 627	2. 302
SDev	15.	. 173	55.	1. 210	. 4064	. 058	5. 066
%RSD	. 9075	10. 40	. 1527	86. 63	102. 7	1. 587	220. 1
#1	1672.	-1. 540	36090.	-. 5413	. 6831	3. 586	5. 884
#2	1651.	-1. 784	36010.	-2. 253	. 1084	3. 667	-1. 280

High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
Element Units	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Avg	.5084	14.68	.5434	.4336	4.526	101.3	-1.023
SDev	1.1382	3.28	2.9256	2.446	3.044	2.3	.833
%RSD	223.9	22.36	538.3	564.2	67.26	2.291	81.38
#1	.2964	17.00	1.525	2.163	6.678	99.64	-1.612
#2	-1.313	12.36	-2.612	-1.296	2.373	102.9	-.4344
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Low				20000.	10000.	2000.	2000.
				-6.000	-10.00	-50.00	-20.00
Element Units	Mo2020	Sn1899	Sr4215	Ti3349			
Avg	.7444	1.037	1165.	.4078			
SDev	.3689	.502	.	.0189			
%RSD	49.55	48.41	.0154	4.638			
#1	1.005	.6824	1165.	-.4212			
#2	.4836	1.393	1165.	-.3944			
Errors High	LC Pass	LC Pass	LC Pass	LC Pass			
Low	5000.	2000.	10000.	20000.			
	-20.00	-50.00	-50.00	-20.00			

Method: SW846 Sample Name: 853044 Operator:  
Run Time: 08/24/07 13:36:36  
Comment: 14568  
Mode: CONC Corr. Factor: 1

Element Units	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avg	31.77	-2.265	-1.883	.2046	-.1741	-.7002	167.6
SDev	2.90	1.790	.441	.0444	.0036	.1573	3.8
%RSD	9.126	79.02	23.42	21.69	2.068	22.46	2.261
#1	33.82	-.9995	-2.195	.2360	-.1716	-.5890	170.3
#2	29.72	-3.531	-1.572	.1733	-.1767	-.8114	165.0
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	250000.	2000.	10000.	20000.	2000.	5000.	250000.
	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
Element Units	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Avg	-.2871	-.8503	-.5074	8.937	21.92	.8209	1.879
SDev	.0000	.0639	.0701	8.335	.66	.1382	.905
%RSD	.0081	7.513	13.82	93.27	3.002	16.83	48.18
#1	-.2871	-.8051	-.4578	3.043	22.38	.9186	2.519
#2	-.2871	-.8954	-.5570	14.83	21.45	.7232	1.239
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	10000.	5000.	25000.	200000.	250000.	10000.	5000.

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Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em Uni ts	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1 ppb
Avg	222. 3	- 1. 194	324. 3	- 2. 915	. 5205	2. 419	- 2. 096
SDev	7. 9	. 632	73. 1	2. 060	. 6364	. 619	3. 898
%RSD	3. 568	52. 95	22. 53	70. 68	122. 3	25. 59	185. 9
#1	227. 9	- . 7468	272. 6	- 1. 458	. 0705	2. 857	. 6600
#2	216. 7	- 1. 641	375. 9	- 4. 371	. 9704	1. 982	- 4. 853
Errors Hi gh Low	LC Pass 10000. - 2500.	LC Pass 2500. - 10. 00	LC Pass 250000. - 2500.	LC Pass 10000. - 10. 00	LC Pass 5000. - 20. 00	LC Pass 15000. - 30. 00	NOCHECK
El em Uni ts	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avg	. 6462	5. 331	- 4. 761	- . 2616	- 1. 399	. 3269	- . 1461
SDev	3. 153	. 324	2. 151	3. 4020	1. 327	. 1881	. 2429
%RSD	488. 0	6. 078	45. 17	1300.	94. 79	57. 55	166. 3
#1	2. 876	5. 560	- 6. 282	2. 144	- 2. 337	. 4599	. 0257
#2	- 1. 584	5. 102	- 3. 240	- 2. 667	- . 4614	. 1939	- . 3179
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. - 6. 000	LC Pass 10000. - 10. 00	LC Pass 2000. - 50. 00	LC Pass 2000. - 20. 00
El em Analysi s	Mo2020 Report	Sn1899	Sr4215	Ti 3349	08/24/07 01: 42: 40 PM		page 44

Uni ts	ppb	ppb	ppb	ppb
Avg	. 4334	1. 224	. 7048	. 7663
SDev	. 5668	. 373	. 0466	. 2692
%RSD	130. 8	30. 50	6. 610	35. 13
#1	. 0326	1. 488	. 7378	. 5759
#2	. 8342	. 9597	. 6719	. 9566
Errors Hi gh Low	LC Pass 5000. - 20. 00	LC Pass 2000. - 50. 00	LC Pass 10000. - 50. 00	LC Pass 20000. - 20. 00

Method: SW846      Sample Name: 853028- 1      Operator:  
 Run Time: 08/24/07 13: 43: 52  
 Comment:  
 Mode: CONC      Corr. Factor: 1

El em Uni ts	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avg	8. 208	- 3. 376	1. 881	81. 20	- . 1970	- . 7340	56570.
SDev	3. 183	. 244	1. 049	. 27	. 0119	. 1304	69.
%RSD	38. 78	7. 236	55. 75	. 3385	6. 037	17. 77	. 1217
#1	10. 46	- 3. 203	1. 140	81. 01	- . 2054	- . 6418	56620.
#2	5. 957	- 3. 548	2. 623	81. 40	- . 1886	- . 8263	56520.
Errors Hi gh Low	LC Pass 250000. - 200. 0	LC Pass 2000. - 10. 00	LC Pass 10000. - 5. 000	LC Pass 20000. - 20. 00	LC Pass 2000. - 3. 000	LC Pass 5000. - 5. 000	LC Pass 250000. - 1000.

El em Uni ts	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
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Avge	-. 0051	-. 4449	. 3150	6. 393	19640.	6. 388	6. 934
SDev	. 5978	. 8720	. 2368	. 973	6.	. 018	. 070
%RSD	11660.	196. 0	75. 18	15. 22	. 0308	. 2791	1. 005
#1	. 4176	. 1717	. 4824	7. 081	19630.	6. 401	6. 984
#2	-. 4278	- 1. 062	. 1475	5. 705	19640.	6. 376	6. 885
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	1045.	- 1. 098	13740.	. 3479	2. 130	7. 903	-. 9453
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SDev	27.	. 641	116.	3. 528	1. 263	. 286	5. 0473
%RSD	2. 551	58. 35	. 8446	1014.	59. 27	3. 619	533. 9
#1	1064.	-. 6450	13830.	2. 843	3. 023	8. 106	2. 624
#2	1026.	- 1. 551	13660.	- 2. 147	1. 238	7. 701	- 4. 514
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	- 1. 253	13. 53	-. 5619	- 1. 145	4. 131	126. 1	- 1. 208
SDev	3. 360	2. 94	2. 9647	. 561	2. 957	. 7	. 466
%RSD	268. 1	21. 75	527. 6	48. 96	71. 59	. 5750	38. 60
#1	- 3. 630	11. 45	- 2. 658	- 1. 542	2. 040	125. 5	-. 8780
#2	1. 123	15. 61	1. 535	-. 7487	6. 222	126. 6	- 1. 537
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	2. 322	1. 226	752. 7	-. 2992			
SDev	. 125	. 733	2. 5	. 1376			
%RSD	5. 365	59. 80	. 3387	46. 00			
#1	2. 234	1. 745	750. 9	-. 2019			
#2	2. 410	. 7077	754. 5	-. 3965			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 853061D- 119 Operator:  
 Run Time: 08/24/07 13: 50: 00  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70560.	5. 479	459. 6	4162.	5. 327	34. 93	13690.
SDev	70.	. 363	2. 4	3.	. 004	. 27	29.
%RSD	. 0993	6. 624	. 5172	. 0829	. 0733	. 7650	. 2140

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#1	70510.	5. 735	461. 3	4159.	5. 324	34. 74	13720.
#2	70610.	5. 222	457. 9	4164.	5. 329	35. 12	13670.
Errors High	LC Pass 250000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.	LC Pass 2000.	LC Pass 5000.	LC Pass 250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
Element Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avg	671. 5	73. 52	3166.	H206000.	25430.	1685.	544. 7
SDev	1. 5	1. 07	.	374.	51.	2.	1. 1
%RSD	. 2202	1. 455	. 0119	. 1813	. 2007	. 0980	. 2109
#1	672. 6	74. 28	3166.	H206300.	25470.	1686.	545. 5
#2	670. 5	72. 77	3167.	H205800.	25400.	1684.	543. 8
Errors High	LC Pass 10000.	LC Pass 5000.	LC Pass 25000.	LC High 200000.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
Element Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avg	12610.	8. 604	23390.	- 2. 136	233. 7	9251.	5037.
SDev	23.	. 216	91.	1. 285	1. 2	37.	56.
%RSD	. 1844	2. 514	. 3882	60. 15	. 5115	. 3969	1. 109
#1	12590.	8. 757	23320.	- 3. 045	234. 5	9277.	5076.
#2	12630.	8. 451	23450.	- 1. 228	232. 8	9225.	4997.
Errors High	LC Pass 100000.	LC Pass 2500.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
Element Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avg	5018.	123. 0	126. 1	5024.	125. 1	106. 3	84. 49
SDev	25.	2. 7	. 3	35.	1. 1	1. 8	. 20
%RSD	. 5046	2. 230	. 2575	. 7065	. 9033	1. 727	. 2377
#1	5036.	124. 9	126. 3	5049.	125. 9	105. 0	84. 63
#2	5000.	121. 1	125. 9	4999.	124. 3	107. 6	84. 35

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Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
Element Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avg	23. 55	601. 2	283. 1	1858.			
SDev	. 31	. 9	. 3	.			
%RSD	1. 299	. 1464	. 1103	. 0092			
#1	23. 77	601. 9	282. 9	1858.			
#2	23. 34	600. 6	283. 3	1858.			
Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846

Sample Name: 853061

Operator:

Run Time: 08/24/07 13:56:07

## Comment:

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	65230.	5. 869	439. 0	3898.	5. 121	31. 36	13100.
SDev	281.	1. 059	. 8	20.	. 006	. 24	19.
%RSD	. 4310	18. 05	. 1772	. 5063	. 1147	. 7503	. 1435
#1	65030.	5. 120	439. 5	3884.	5. 125	31. 19	13120.
#2	65430.	6. 618	438. 4	3912.	5. 117	31. 52	13090.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Analysi s	Report			08/24/07 02: 02: 12 PM			page 8
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	616. 5	72. 88	3003.	H210300.	23300.	1624.	500. 7
SDev	1. 6	. 43	20.	31.	21.	1.	3. 3
%RSD	. 2540	. 5945	. 6642	. 0149	. 0907	. 0768	. 6610
#1	617. 6	73. 19	2989.	H210300.	23310.	1623.	503. 0
#2	615. 4	72. 58	3018.	H210300.	23280.	1625.	498. 3
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	11340.	7. 721	22350.	- 2. 025	227. 1	8282.	4699.
SDev	74.	. 192	33.	. 557	. 7	40.	12.
%RSD	. 6502	2. 482	. 1464	27. 50	. 3069	. 4795	. 2595
#1	11290.	7. 856	22330.	- 2. 419	226. 6	8310.	4707.
#2	11390.	7. 585	22380.	- 1. 631	227. 6	8254.	4690.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	4733.	114. 7	123. 1	4722.	120. 3	97. 55	81. 56
SDev	24.	9. 8	1. 7	20.	4. 4	. 50	1. 15
%RSD	. 4996	8. 514	1. 403	. 4200	3. 660	. 5086	1. 407
#1	4750.	121. 6	124. 3	4736.	123. 4	97. 90	82. 37
#2	4716.	107. 8	121. 9	4708.	117. 2	97. 20	80. 75
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	23. 12	556. 5	280. 3	1932.			
SDev	. 58	3. 0	1. 2	3.			
%RSD	2. 496	. 5443	. 4157	. 1451			

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#1	23.53	558.6	279.5	1930.
#2	22.71	554.3	281.1	1934.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20.00	-50.00	-50.00	-20.00

Method: SW846 Sample Name: 853061L Operator:  
 Run Time: 08/24/07 14:02:15  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13860.	3.128	88.69	813.6	.8136	6.059	2789.
SDev	7.	.013	1.78	.9	.0483	.035	3.
%RSD	.0498	.4111	2.010	.1159	5.938	.5767	.0904

#1	13870.	3.137	87.43	813.0	.8478	6.084	2788.
#2	13860.	3.118	89.95	814.3	.7795	6.034	2791.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	129.9	15.06	624.1	44420.	4902.	341.5	106.9
SDev	.5	.15	.1	41.	.	.1	.5
%RSD	.3830	.9767	.0136	.0913	.0017	.0378	.4794

#1	129.6	15.17	624.0	44450.	4902.	341.4	107.3
#2	130.3	14.96	624.1	44390.	4902.	341.6	106.6

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	2471.	1.201	4618.	-1.740	48.48	1786.	1011.
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SDev	2.	.504	183.	.668	.70	2.	12.
%RSD	.0895	42.01	3.955	38.41	1.444	.1245	1.219

#1	2472.	.8439	4489.	-2.212	47.99	1787.	1002.
#2	2469.	1.557	4747.	-1.267	48.98	1784.	1020.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	1005.	26.90	22.67	1007.	24.08	22.00	17.08
SDev	3.	3.50	2.05	6.	2.53	1.00	.63
%RSD	.3228	13.01	9.052	.6225	10.53	4.558	3.689

#1	1003.	24.42	21.22	1003.	22.28	21.29	16.63
#2	1008.	29.37	24.12	1012.	25.87	22.71	17.53

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
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23123NT1. txt

Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avg	5. 072	118. 3	58. 47	404. 0			
SDev	. 440	1. 5	. 11	. 2			
%RSD	8. 676	1. 249	. 1841	. 0422			
#1	5. 383	117. 3	58. 39	403. 9			
#2	4. 760	119. 4	58. 54	404. 1			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: CCV3 Operator:  
 Run Time: 08/24/07 14: 08: 23  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126500.	944. 5	4897.	9928.	990. 6	2474.	125400.
SDev	53.	4. 9	8.	19.	1. 6	4.	436.
%RSD	. 0419	. 5143	. 1629	. 1900	. 1660	. 1761	. 3474
#1	126500.	947. 9	4903.	9915.	991. 8	2477.	125700.
#2	126600.	941. 0	4892.	9942.	989. 5	2471.	125100.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895. 0	4475.	8950.	895. 0	2238.	112000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4968.	2502.	12510.	99830.	124400.	4946.	2512.
SDev	13.	3.	41.	231.	261.	8.	9.
%RSD	. 2546	. 1380	. 3247	. 2315	. 2101	. 1676	. 3388
#1	4977.	2505.	12480.	100000.	124600.	4951.	2518.
#2	4959.	2500.	12540.	99670.	124200.	4940.	2506.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49340.	1244.	123000.	5035.	2512.	7482.	10200.
SDev	47.	1.	46.	12.	8.	40.	150.
%RSD	. 0962	. 0651	. 0371	. 2318	. 2993	. 5295	1. 476
#1	49300.	1244.	123000.	5044.	2517.	7510.	10300.
#2	49370.	1245.	123000.	5027.	2507.	7454.	10090.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10040.	5066.	5008.	10090.	5027.	1021.	513. 9
SDev	51.	71.	20.	84.	37.	.	1. 3

%RSD	. 5089	1. 394	. 4082	. 8343	. 7392	. 0211	. 2453
#1	10070.	5116.	5022.	10150.	5053.	1021.	514. 8
#2	10000.	5016.	4993.	10030.	5001.	1021.	513. 0

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Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 11050. 8951.	LC Pass 5525. 4475.	LC Pass 1104. 896. 0	LC Pass 552. 5 447. 5
El em Uni ts Avge SDev %RSD	Mo2020 ppb 2459. 8. . 3351	Sn1899 ppb 982. 8 5. 9 . 6020	Sr4215 ppb 5047. 11. . 2251	Ti 3349 ppb 10040. 2. . 0189			
#1	2465.	987. 0	5039.	10040.			
#2	2453.	978. 6	5055.	10040.			
Errors Hi gh Low	LC Pass 2760. 2239.	LC Pass 1104. 896. 0	LC Pass 5520. 4478.	LC Pass 11040. 8960.			

Method: SW846 Sample Name: CCB3  
Run Time: 08/24/07 14: 14: 30  
Comment:  
Mode: CONC Corr. Factor: 1

Operator:

El em Uni ts Avge SDev %RSD	Al 3082 ppb 27. 15 . 89 3. 278	Sb2068 ppb -1. 247 3. 076 246. 6	As1890 ppb -2. 074 . 531 25. 61	Ba4934 ppb . 8501 . 1433 16. 86	Be3130 ppb - . 1156 . 0399 34. 54	Cd2265 ppb - . 4287 . 0327 7. 637	Ca3179 ppb 9. 607 2. 429 25. 28
#1	26. 52	- 3. 422	- 1. 698	. 7488	- . 1438	- . 4055	7. 889
#2	27. 78	. 9275	- 2. 449	. 9514	- . 0874	- . 4518	11. 32

Errors  
Hi gh  
Low  
Analysis Report

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Hi gh Low	200. 0 - 200. 0	10. 00 - 10. 00	5. 000 - 5. 000	100. 0 - 100. 0	2. 000 - 2. 000	4. 000 - 4. 000	1000. - 1000.
El em Uni ts Avge SDev %RSD	Cr2677 ppb - . 3514 . 1840 52. 36	Co2286 ppb - . 6742 . 8289 122. 9	Cu3247 ppb . 8667 . 2001 23. 09	Fe2714 ppb 11. 18 5. 21 46. 60	Mg2790 ppb 12. 69 . 53 4. 190	Mn2576 ppb . 3637 . 0270 7. 427	Ni 2316 ppb - . 1429 . 5427 379. 8
#1	- . 4815	- . 0881	1. 008	7. 498	13. 07	. 3446	. 2409
#2	- . 2213	- 1. 260	. 7252	14. 87	12. 31	. 3828	- . 5266
Errors Hi gh Low	LC Pass 10. 00 - 10. 00	LC Pass 50. 00 - 50. 00	LC Pass 25. 00 - 25. 00	LC Pass 150. 0 - 150. 0	LC Pass 1000. - 1000.	LC Pass 15. 00 - 15. 00	LC Pass 40. 00 - 40. 00
El em Uni ts Avge SDev %RSD	K_7664 ppb 222. 9 33. 1 14. 87	Ag3280 ppb - . 6928 . 2056 29. 67	Na3302 ppb 163. 6 125. 9 76. 95	Tl 1908 ppb - 2. 475 1. 823 73. 65	V_2924 ppb . 9112 . 9379 102. 9	Zn2062 ppb - . 0203 . 0418 206. 3	2203/1 4. 620 1. 046 22. 63

23123NT1. txt

#1	246.3	-.5474	252.6	-3.765	1.574	.0093	3.881
#2	199.5	-.8382	74.58	-1.186	.2480	-.0498	5.359
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10.00	3000.	10.00	20.00	30.00	
Low	-3000.	-10.00	-3000.	-10.00	-20.00	-30.00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	-3.378	3.640	-1.367	-.7097	.3013	.4975	-.5163
SDev	.762	10.27	1.141	.8578	2.658	.9891	.5286
%RSD	22.56	282.1	83.48	120.9	882.1	198.8	102.4
#1	-3.917	-3.620	-.5601	-1.316	-1.578	1.197	-.1425
#2	-2.839	10.90	-2.174	-.1032	2.181	-.2020	-.8901
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3.000	5.000	50.00	10.00
Low				-3.000	-5.000	-50.00	-5.000
El em	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avge	-.1268	.7206	.4138	1.038			
SDev	.0938	1.497	.0892	.303			
%RSD	74.01	207.7	21.56	29.24			
#1	-.1931	-.3377	.3508	.8234			
#2	-.0604	1.779	.4769	1.253			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20.00	20.00	50.00	20.00			
Low	-20.00	-20.00	-50.00	-20.00			

Method: SW846 Sample Name: 853061MS Operator:  
 Run Time: 08/24/07 14:20:38  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	79360.	225.5	2309.	6119.	53.31	83.90	33120.
SDev	59.	.8	4.	6.	.03	.06	56.
%RSD	.0738	.3704	.1596	.1018	.0493	.0728	.1689
#1	79320.	224.9	2306.	6124.	53.30	83.94	33080.
#2	79400.	226.1	2311.	6115.	53.33	83.86	33160.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	867.1	556.4	3487.	H218700.	44930.	2265.	1041.
SDev	.6	1.6	9.	315.	33.	1.	1.
%RSD	.0665	.2926	.2587	.1440	.0735	.0530	.0925
#1	866.7	555.2	3494.	H218500.	44910.	2264.	1040.
#2	867.5	557.5	3481.	H219000.	44950.	2265.	1041.
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

23123NT1.txt

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	30660.	55. 33	42600.	1851.	717. 1	9643.	5464.
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SDev	. 0010	. 16	15.	8.	. 6	19.	54.
%RSD	. 2867	. 0350	. 4593	. 0771	. 1994	. 9824	

#1	30660.	55. 44	42590.	1857.	716. 7	9629.	5426.
#2	30660.	55. 22	42610.	1845.	717. 5	9657.	5501.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	5482.	1966.	2000.	5476.	1989.	569. 8	87. 44
SDev	10.	33.	14.	11.	2.	2. 2	1. 03
%RSD	. 1871	1. 686	. 6858	. 2014	. 0951	. 3942	1. 175

#1	5490.	1943.	2010.	5468.	1987.	568. 2	86. 71
#2	5475.	1990.	1990.	5484.	1990.	571. 4	88. 17

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	474. 5	1047.	777. 6	2327.
SDev	. 1	3.	. 6	.
%RSD	. 0293	. 3179	. 0791	. 0006

#1	474. 4	1044.	778. 0	2327.
#2	474. 6	1049.	777. 1	2327.

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00

Method: SW846 Sample Name: 853062 Operator:  
 Run Time: 08/24/07 14: 26: 45  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23210.	12. 75	257. 2	1971.	1. 108	. 2840	8800.
SDev	29.	1. 52	2. 7	3.	. 014	. 0407	15.
%RSD	. 1249	11. 95	1. 035	. 1326	1. 249	14. 32	. 1653

#1	23190.	13. 82	259. 1	1969.	1. 098	. 3127	8810.
#2	23230.	11. 67	255. 4	1973.	1. 118	. 2552	8790.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105. 7	56. 18	2067.	70200.	12970.	344. 0	258. 4



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SDev	. 0	. 03	4.	137.	1.	. 1	1. 7
%RSD	. 0373	. 0592	. 1854	. 1946	. 0100	. 0217	. 6628
#1	105. 8	56. 20	2064.	70300.	12970.	344. 1	259. 6
#2	105. 7	56. 16	2069.	70100.	12970.	344. 0	257. 1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	5439.	2. 295	45320.	- 1. 879	140. 3	521. 4	1417.
SDev	8.	. 009	36.	. 721	. 8	1. 3	1.
%RSD	. 1493	. 3762	. 0804	38. 40	. 5927	. 2421	. 0506
#1	5433.	2. 289	45290.	- 1. 369	139. 7	522. 3	1418.
#2	5445.	2. 301	45340.	- 2. 389	140. 9	520. 5	1417.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	1425.	31. 52	31. 35	1422.	31. 41	92. 40	27. 10
SDev	8.	4. 03	. 06	6.	1. 30	. 22	. 56
%RSD	. 5801	12. 79	. 1864	. 4044	4. 153	. 2433	2. 080
#1	1431.	28. 66	31. 39	1426.	30. 48	92. 24	27. 50
#2	1419.	34. 37	31. 31	1418.	32. 33	92. 56	26. 70

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	22. 93	128. 5	186. 2	803. 6			
SDev	. 33	2. 4	. 2	. 9			
%RSD	1. 430	1. 872	. 1129	. 1169			
#1	23. 16	126. 8	186. 0	804. 2			
#2	22. 70	130. 2	186. 3	802. 9			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 853320

Operator:

Run Time: 08/24/07 14: 32: 53

Comment:

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	91640.	- 4. 962	10. 34	221. 0	3. 802	- 2. 242	10050.
SDev	100.	. 378	1. 33	. 8	. 044	. 035	22.
%RSD	. 1091	7. 619	12. 85	. 3706	1. 165	1. 550	. 2211
#1	91570.	- 4. 694	11. 28	220. 5	3. 833	- 2. 266	10030.

#2	91710.	-5.229	9.398	221.6	3.770	-2.217	10060.
Errors Analysis	LC Pass Report	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
				08/24/07	02:38:57 PM		page 24
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
Element	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	164.8	32.80	52.89	135400.	24360.	800.6	107.5
SDev	1.0	.38	.10	355.	79.	2.7	1.5
%RSD	.5964	1.164	.1924	.2624	.3225	.3343	1.366
#1	164.1	32.53	52.81	135200.	24310.	798.7	108.5
#2	165.5	33.07	52.96	135700.	24420.	802.5	106.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
Element	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17000.	-1.976	13620.	-.5531	237.0	255.9	39.78
SDev	33.	.126	13.	3.5260	1.3	.0	3.67
%RSD	.1915	6.385	.0943	637.5	.5406	.0182	9.225
#1	17020.	-1.886	13630.	1.940	236.1	255.8	37.19
#2	16970.	-2.065	13610.	-3.046	238.0	255.9	42.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
Element	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	37.04	6.374	1.387	37.96	3.048	140.9	73.92
SDev	.34	2.675	4.058	.99	1.816	1.2	.65
%RSD	.9294	41.97	292.7	2.611	59.57	.8813	.8849
#1	37.29	4.482	4.256	37.26	4.332	141.8	74.39
#2	36.80	8.265	-1.483	38.66	1.764	140.0	73.46
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00
Element	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avg	34.02	14.36	155.8	1798.			
SDev	.13	1.16	.3	1.			
%RSD	.3965	8.092	.2218	.0734			
#1	33.92	15.18	155.6	1797.			
#2	34.11	13.54	156.1	1798.			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	5000.	2000.	10000.	20000.			
Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846 Sample Name: 853321  
 Run Time: 08/24/07 14:39:00  
 Comment:

Operator:

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29360.	- . 1784	2. 297	86. 30	1. 135	- . 9244	10800.
SDev	40.	. 3114	. 177	. 12	. 007	. 1562	44.
%RSD	. 1375	174. 5	7. 708	. 1399	. 5808	16. 90	. 4110
#1	29330.	. 0418	2. 422	86. 39	1. 131	- . 8140	10830.
#2	29390.	- . 3986	2. 172	86. 22	1. 140	- 1. 035	10770.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	58. 10	13. 09	32. 08	34290.	13750.	302. 5	40. 22
SDev	1. 05	. 49	. 48	146.	68.	1. 3	. 24
%RSD	1. 811	3. 710	1. 487	. 4249	. 4939	. 4309	. 5930
#1	58. 84	12. 75	32. 41	34400.	13790.	303. 4	40. 05
#2	57. 35	13. 43	31. 74	34190.	13700.	301. 5	40. 38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	7256.	- 1. 159	16550.	- . 6333	92. 65	108. 8	20. 55
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SDev	26.	. 215	80.	1. 4378	. 11	. 9	1. 04
%RSD	. 3636	18. 53	. 4863	227. 0	. 1160	. 8010	5. 051
#1	7238.	- 1. 311	16490.	- 1. 650	92. 57	109. 4	19. 82
#2	7275.	- 1. 007	16600.	. 3834	92. 72	108. 1	21. 29
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	21. 67	2. 297	1. 575	21. 30	1. 816	110. 0	29. 20
SDev	1. 01	3. 447	1. 625	1. 02	. 064	2. 1	. 24
%RSD	4. 662	150. 1	103. 2	4. 787	3. 510	1. 919	. 8087
#1	20. 95	4. 735	. 4253	20. 58	1. 861	111. 5	29. 03
#2	22. 38	- . 1405	2. 724	22. 02	1. 771	108. 5	29. 36
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	25. 11	11. 85	151. 8	751. 4			
SDev	. 69	. 94	. 0	. 3			
%RSD	2. 760	7. 938	. 0198	. 0348			
#1	24. 62	12. 51	151. 8	751. 6			

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751. 2

#2	25. 60	11. 18	151. 8	751. 2
Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5000.	2000.	10000.	20000.
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00

Method: SW846 Sample Name: 853322 Operator:  
Run Time: 08/24/07 14: 45: 08  
Comment:  
Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35410.	- 2. 839	2. 339	103. 8	1. 212	- 1. 029	11930.
SDev	195.	1. 155	1. 498	. 6	. 046	. 416	48.
%RSD	. 5498	40. 68	64. 02	. 5393	3. 790	40. 46	. 4051

#1	35270.	- 2. 022	3. 398	103. 4	1. 245	- . 7344	11960.
#2	35550.	- 3. 656	1. 280	104. 2	1. 180	- 1. 323	11900.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72. 50	15. 08	33. 51	43120.	15880.	347. 7	45. 63
SDev	1. 05	. 35	. 35	95.	27.	. 1	. 62
%RSD	1. 449	2. 291	1. 039	. 2213	. 1706	. 0187	1. 348

#1	73. 24	15. 32	33. 76	43180.	15900.	347. 6	46. 06
#2	71. 76	14. 83	33. 26	43050.	15860.	347. 7	45. 19

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8767.	- 1. 008	17330.	- 1. 980	107. 6	121. 7	27. 67
SDev	75.	. 894	16.	2. 890	. 7	1. 4	2. 61
%RSD	. 8517	88. 75	. 0918	145. 9	. 6339	1. 134	9. 436

#1	8714.	- . 3754	17320.	- 4. 024	108. 1	122. 6	25. 82
#2	8819.	- 1. 640	17340.	. 0632	107. 2	120. 7	29. 51

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22. 45	5. 097	1. 008	24. 19	2. 371	121. 5	32. 96
SDev	1. 84	. 509	. 805	. 36	. 368	. 1	1. 04
%RSD	8. 196	9. 993	79. 90	1. 479	15. 51	. 0708	3. 141

#1	23. 75	5. 457	. 4386	24. 44	2. 111	121. 4	33. 69
#2	21. 15	4. 737	1. 578	23. 93	2. 631	121. 5	32. 23

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.

Low -6.000 -10.00 -50.00 -20.00

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	29.29	11.33	170.1	924.4
SDev	.46	1.32	.7	1.4
%RSD	1.587	11.66	.4053	.1526

#1	29.62	12.26	169.7	923.4
#2	28.96	10.39	170.6	925.4

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20.00	-50.00	-50.00	-20.00

Method: SW846 Sample Name: ICSA2 Operator:  
 Run Time: 08/24/07 14:51:15  
 Comment: 7928  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	515900.	L-10.94	-5.848	-1.375	-.5147	-1.278	501700.
SDev	13.	3.62	1.347	.068	.0327	.346	1246.
%RSD	.0026	33.06	23.02	4.916	6.348	27.06	.2483

#1	515900.	-8.385	-6.800	-1.327	-.4916	-1.034	502600.
#2	515900.	L-13.50	-4.896	-1.422	-.5378	-1.523	500900.

Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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High	600000.	10.00	8.000	100.0	2.000	5.000	600000.
Low	400000.	-10.00	-8.000	-100.0	-2.000	-5.000	400000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.805	-.1364	-3.362	205500.	552200.	-.8425	10.44
SDev	.265	.9884	.496	546.	1486.	.1234	.54
%RSD	14.67	724.8	14.77	.2657	.2691	14.64	5.137

#1	1.993	-.8353	-3.011	205800.	553200.	-.7553	10.07
#2	1.618	.5626	-3.713	205100.	551100.	-.9298	10.82

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	20.00	25.00	240000.	600000.	15.00	40.00
Low	-10.00	-20.00	-25.00	160000.	400000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	254.6	-1.296	238.0	-6.723	.7210	.8709	28.12
SDev	19.0	.534	42.8	5.198	.8176	2.042	2.72
%RSD	7.470	41.23	17.98	77.31	113.4	234.5	9.683

#1	268.1	-1.674	268.2	L-10.40	.1429	2.315	26.19
#2	241.2	-.9183	207.7	-3.047	1.299	-.5729	30.04

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5000.	10.00	5000.	10.00	20.00	30.00	
Low	-5000.	-10.00	-5000.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb

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Avge	-25.21	-13.09	-6.009	L-7.447	-8.365	.2242	-.8785
SDev	.01	10.33	3.969	.911	.793	.5983	.1740
%RSD	.0268	78.95	66.04	12.23	9.482	266.9	19.81
#1	-25.22	-5.780	-8.816	L-8.091	-7.804	-.1988	-.7554
#2	-25.21	-20.39	-3.203	L-6.803	-8.926	.6472	-1.001
Errors	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Pass	NOCHECK	LC Pass
Hi gh				5.000	10.00		20.00
Low				-5.000	-10.00		-20.00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	-2.440	2.567	.8272	-9.883			
SDev	1.253	1.179	.0421	.046			
%RSD	51.34	45.92	5.086	.4620			
#1	-1.554	3.401	.7975	-9.851			
#2	-3.326	1.733	.8570	-9.915			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20.00	50.00	20.00	20.00			
Low	-20.00	-50.00	-20.00	-20.00			

Method: SW846 Sample Name: ICSAB2 Operator:  
 Run Time: 08/24/07 14:57:23  
 Comment: 7928  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	512900.	95.71	91.02	104.1	99.93	97.05	501300.
SDev	398.	1.21	1.45	.2	.24	.14	2359.
%RSD	.0776	1.261	1.597	.1703	.2369	.1423	.4706
#1	513200.	96.57	89.99	103.9	100.1	97.14	502900.
#2	512600.	94.86	92.05	104.2	99.77	96.95	499600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	600000.	120.0	120.0	120.0	120.0	120.0	600000.
Low	400000.	80.00	80.00	80.00	80.00	80.00	400000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102.2	98.44	102.0	204900.	548400.	100.3	110.1
SDev	.5	.25	.2	507.	1488.	.2	.8
%RSD	.5207	.2579	.2214	.2475	.2714	.1504	.7466
#1	102.6	98.26	101.9	205200.	549500.	100.4	110.7
#2	101.8	98.62	102.2	204500.	547400.	100.2	109.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	120.0	120.0	120.0	240000.	600000.	120.0	120.0
Low	80.00	80.00	80.00	160000.	400000.	80.00	80.00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	10200.	101.3	10140.	101.1	101.7	98.47	119.8
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SDev	39.	.1	51.	5.5	.0	1.30	5.2
%RSD	.3785	.0576	.5048	5.460	.0221	1.320	4.301

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#1	10230.	101.2	10100.	97.21	101.6	97.55	116.2
#2	10180.	101.3	10180.	105.0	101.7	99.39	123.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	12000.	120.0	12000.	120.0	120.0	120.0	
Low	800.0	80.00	800.0	80.00	80.00	80.00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avg e	77.25	89.74	97.80	91.43	95.12	104.6	. . 6575
SDev	1.37	12.44	2.46	2.63	5.78	1.7	. 3937
%RSD	1.776	13.86	2.510	2.872	6.076	1.621	59.88
#1	76.28	98.54	99.54	89.58	99.21	103.4	. . 9359
#2	78.22	80.95	96.07	93.29	91.03	105.8	. . 3791
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh				120.0	120.0	120.0	
Low				80.00	80.00	80.00	
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avg e	98.89	101.6	108.2	93.37			
SDev	.03	1.6	.1	.10			
%RSD	.0346	1.583	.1249	.1023			
#1	98.87	102.8	108.1	93.31			
#2	98.92	100.5	108.3	93.44			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	120.0	120.0	120.0	120.0			
Low	80.00	80.00	80.00	80.00			

Method: SW846 Sample Name: CCV4 Operator:  
 Run Time: 08/24/07 15:03:31  
 Comment: 8217  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg e	126000.	943.1	4890.	9900.	989.3	2475.	126400.
SDev	632.	11.6	14.	66.	2.6	2.	54.
%RSD	.5015	1.227	.2762	.6622	.2623	.0643	.0423
#1	125500.	934.9	4880.	9854.	987.5	2476.	126400.
#2	126400.	951.3	4899.	9947.	991.2	2474.	126400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895.0	4475.	8950.	895.0	2238.	112000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg e	4962.	2502.	12470.	99850.	123900.	4934.	2506.
SDev	7.	1.	74.	159.	220.	9.	1.
%RSD	.1347	.0331	.5967	.1595	.1779	.1755	.0299
#1	4958.	2501.	12420.	99730.	123800.	4928.	2506.
#2	4967.	2503.	12520.	99960.	124100.	4940.	2505.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.

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El em Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avge	49330.	1238.	123200.	5036.	2508.	7479.	9882.
SDev	136.	3.	820.	5.	13.	17.	183.
%RSD	. 2748	. 2759	. 6658	. 0926	. 5111	. 2306	1. 852
#1	49230.	1235.	122600.	5040.	2499.	7492.	10010.
#2	49420.	1240.	123800.	5033.	2517.	7467.	9753.
Errors Hi gh Low	LC Pass 55250. 44750.	LC Pass 1381. 1120.	LC Pass 138100. 112000.	LC Pass 5524. 4475.	LC Pass 2762. 2238.	LC Pass 8285. 6714.	NOCHECK
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	9859.	4879.	4916.	9867.	4904.	1015.	511. 8
SDev	260.	93.	126.	235.	115.	6.	1. 8
%RSD	2. 642	1. 903	2. 566	2. 379	2. 346	. 5745	. 3427
#1	10040.	4945.	5005.	10030.	4985.	1011.	510. 6
#2	9675.	4814.	4827.	9701.	4822.	1019.	513. 1

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Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 11050. 8951.	LC Pass 5525. 4475.	LC Pass 1104. 896. 0	LC Pass 552. 5 447. 5
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb			
Avge	2452.	980. 4	5029.	10010.			
SDev	4.	3. 6	23.	34.			
%RSD	. 1762	. 3693	. 4492	. 3399			
#1	2449.	977. 8	5013.	9985.			
#2	2455.	983. 0	5045.	10030.			
Errors Hi gh Low	LC Pass 2760. 2239.	LC Pass 1104. 896. 0	LC Pass 5520. 4478.	LC Pass 11040. 8960.			

Method: SW846  
Run Time: 08/24/07  
Comment: 8217  
Mode: CONC

Sample Name: CCB4  
15: 09: 38  
Corr. Factor: 1

Operator:

El em Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	34. 78	. 3138	- 1. 345	. 6132	. 1726	. 3162	29. 04
SDev	10. 29	. 4703	1. 546	. 1043	. 0021	. 1908	5. 98
%RSD	29. 59	149. 9	114. 9	17. 02	1. 225	60. 34	20. 59
#1	27. 50	. 0188	- 2. 438	. 5394	. 1711	. 4511	24. 81
#2	42. 06	. 6464	. 2520	. 6869	. 1741	. 1813	33. 27
Errors Analysis Report	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

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Hi gh Low	200. 0 - 200. 0	10. 00 - 10. 00	5. 000 - 5. 000	100. 0 - 100. 0	2. 000 - 2. 000	4. 000 - 4. 000	1000. - 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316



23123NT1.txt

Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 0191	. 1469	. 9845	11. 14	34. 39	. 4620	1. 083
SDev	. 1459	1. 114	. 1230	11. 46	11. 25	. 1705	. 161
%RSD	764. 2	758. 3	12. 49	102. 9	32. 71	36. 91	14. 87
#1	. 1222	. . 6408	1. 071	3. 034	26. 44	. 3414	1. 196
#2	. . 0841	. 9345	. 8975	19. 24	42. 35	. 5826	. 9688
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	50. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	- 10. 00	- 50. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	275. 2	. 0018	260. 9	. 6195	. 3640	. 7172	3. 565
SDev	6. 9	. 2471	75. 9	. 7784	. 6248	. 0194	2. 233
%RSD	2. 502	13440.	29. 10	125. 7	171. 7	2. 699	62. 63
#1	280. 1	. 1766	314. 6	. 0691	. . 0778	. 7309	1. 986
#2	270. 3	. . 1729	207. 2	1. 170	. 8058	. 7035	5. 143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	- 3000.	- 10. 00	- 3000.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	1. 659	2. 201	- 2. 044	2. 301	. . 6296	1. 158	. 2302
SDev	. 784	10. 01	1. 672	1. 268	2. 2176	. 829	. 6929
%RSD	47. 27	454. 7	81. 77	55. 11	352. 2	71. 60	301. 0
#1	1. 105	9. 277	- 3. 226	1. 404	. 9385	. 5717	. . 2598
#2	2. 214	- 4. 876	. . 8622	H3. 197	- 2. 198	1. 744	. 7201
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3. 000	5. 000	50. 00	10. 00
Low				- 3. 000	- 5. 000	- 50. 00	- 5. 000
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	. 2788	1. 653	. 3378	. 9748			
SDev	. 6326	1. 139	. 0904	. 2928			
%RSD	226. 9	68. 87	26. 77	30. 04			
#1	. 7261	2. 458	. 2738	. 7677			
#2	. . 1685	. 8481	. 4017	1. 182			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20. 00	20. 00	50. 00	20. 00			
Low	- 20. 00	- 20. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: BSL082407 Operator:  
 Run Time: 08/24/07 15: 21: 53  
 Comment: 7976  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51. 21	1010.	5110.	10210.	1024.	1085.	36. 12
SDev	18. 65	1.	9.	63.	2.	6.	21. 54
%RSD	36. 41	. 0546	. 1812	. 6181	. 1569	. 5676	59. 63
#1	64. 40	1011.	5116.	10170.	1025.	1089.	51. 35

#2	38. 03	1010.	5103.	10250.	1023.	1081.	20. 89
Errors Hi gh Low	NOCHECK	LC Pass 1200. 800. 0	LC Pass 6000. 4000.	LC Pass 12000. 8000.	LC Pass 1200. 800. 0	LC Pass 1200. 800. 0	NOCHECK
El em Uni ts Avge SDev %RSD	Cr2677 ppb 5180. 5. . 0980	Co2286 ppb . 2591 . 2659 102. 6	Cu3247 ppb 1022. 7. . 6732	Fe2714 ppb 1044. 1. . 0588	Mg2790 ppb 32. 31 20. 63 63. 84	Mn2576 ppb 1036. . 0003	Ni 2316 ppb 1081. 5. . 4484
#1 #2	5184. 5176.	. 4471 . 0711	1017. 1026.	1045. 1044.	46. 89 17. 72	1036. 1036.	1084. 1078.
Errors Hi gh Low	LC Pass 6000. 4000.	NOCHECK	LC Pass 1200. 800. 0	NOCHECK	NOCHECK	LC Pass 1200. 800. 0	LC Pass 1200. 800. 0
El em Uni ts Avge Analysis Report	K_7664 ppb 285. 9	Ag3280 ppb 504. 1	Na3302 ppb 50. 19	Tl 1908 ppb 1061.	V_2924 ppb 1036.	Zn2062 ppb 1084.	2203/1 5324. page 3
SDev %RSD	38. 6 13. 51	1. 9 . 3701	151. 6 302. 1	8. . 7452	2. . 1764	11. . 9905	37. . 6949
#1 #2	313. 3 258. 6	502. 8 505. 4	157. 4 - 57. 03	1055. 1066.	1035. 1037.	1092. 1076.	5350. 5298.
Errors Hi gh Low	NOCHECK	LC Pass 600. 0 400. 0	NOCHECK	LC Pass 1200. 800. 0	NOCHECK	LC Pass 1200. 800. 0	NOCHECK
El em Uni ts Avge SDev %RSD	2203/2 5353. 36. . 6723	1960/1 1026. 2. . 1849	1960/2 1042. 7. . 6538	Pb2203 ppb 5344. 36. . 6798	Se1960 ppb 1037. 4. . 3773	B_2496 ppb 3. 606 2. 267 62. 85	La3988 ppb - . 9050 . 7477 82. 62
#1 #2	5379. 5328.	1025. 1028.	1047. 1037.	5369. 5318.	1039. 1034.	5. 209 2. 003	- 1. 434 - . 3763
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 6000. 4000.	LC Pass 1200. 800. 0	NOCHECK	NOCHECK
El em Uni ts Avge SDev %RSD	Mo2020 ppb . 2143 . 8469 395. 2	Sn1899 ppb . 2001 . 0847 42. 33	Sr4215 ppb L. 3744 . 2328 62. 18	Ti 3349 ppb 1. 383 . 501 36. 24			
#1 #2	. 8131 - . 3845	. 1402 . 2599	L. 5391 L. 2098	1. 737 1. 028			
Errors Hi gh Low	NOCHECK	NOCHECK	LC Low 1200. 800. 0	NOCHECK			

Method: SW846 Sample Name: PBL082407 Operator:  
 Run Time: 08/24/07 15: 28: 01  
 Comment: 15060

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17. 69	- . 6571	-2. 376	1. 351	- . 1722	- . 5512	8. 134
SDev	2. 33	5. 0637	1. 351	. 081	. 0048	. 0046	. 112
%RSD	13. 20	770. 6	56. 87	5. 992	2. 799	. 8360	1. 383
#1	16. 04	2. 923	-3. 331	1. 408	- . 1756	- . 5479	8. 214
#2	19. 34	-4. 238	-1. 421	1. 294	- . 1688	- . 5544	8. 055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	200. 0	10. 00	5. 000	200. 0	3. 000	4. 000	1000.
Low	-200. 0	-10. 00	-5. 000	-200. 0	-3. 000	-4. 000	-500. 0
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 4568	- . 6796	. 3477	. 0577	14. 58	. 2421	- . 1596
SDev	. 1028	1. 1036	. 5433	1. 998	. 44	. 0029	. 4339
%RSD	22. 50	162. 4	156. 3	3462.	3. 026	1. 191	271. 8
#1	. 5295	. 1008	. 7319	1. 470	14. 89	. 2441	- . 4664
#2	. 3841	-1. 460	- . 0365	-1. 355	14. 27	. 2401	. 1472
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	15. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	-10. 00	-15. 00	-25. 00	-150. 0	-500. 0	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	234. 9	- . 7404	170. 3	. 4747	. 0066	. 5771	. 1325
SDev	31. 9	. 5056	50. 2	. 6069	1. 170	. 1833	2. 213
%RSD	13. 59	68. 28	29. 50	127. 8	17820.	31. 76	1671.
#1	257. 5	- . 3830	205. 8	. 0456	. 8342	. 4475	-1. 433
#2	212. 3	-1. 098	134. 8	. 9039	- . 8210	. 7068	1. 698
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	-3000.	-10. 00	-3000.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	- . 4705	. 6570	-3. 337	- . 2637	-2. 006	2. 004	. 1759
SDev	2. 5622	. 8666	3. 646	2. 4460	2. 143	. 175	. 2087
%RSD	544. 5	131. 9	109. 3	927. 5	106. 8	8. 753	118. 6
#1	-2. 282	1. 270	-5. 915	-1. 993	-3. 522	2. 128	. 3235
#2	1. 341	. 0442	- . 7589	1. 466	- . 4904	1. 880	. 0283

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3. 000	5. 000	50. 00	10. 00
Low				-3. 000	-5. 000	-50. 00	-5. 000
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	- . 3934	2. 158	- . 0061	. 3269			
SDev	. 0864	. 182	. 0222	. 2363			
%RSD	21. 96	8. 455	365. 1	72. 27			
#1	- . 3323	2. 287	. 0096	. 4940			

#2      -. 4545      2. 029      -. 0218      . 1599  
 Errors    LC Pass      LC Pass      LC Pass      LC Pass  
 High      20. 00      20. 00      50. 00      20. 00  
 Low      -20. 00      -20. 00      -50. 00      -20. 00

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 Method: SW846      Sample Name: 854473D-5      Operator:  
 Run Time: 08/24/07 15:34:08  
 Comment: 8329  
 Mode: CONC      Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28. 31	-3. 619	-2. 086	120. 1	-. 0886	-. 4528	79970.
SDev	2. 45	. 232	. 146	. 4	. 0175	. 3241	121.
%RSD	8. 653	6. 410	7. 023	. 3198	19. 71	71. 58	. 1511

#1	30. 04	-3. 455	-1. 982	119. 8	-. 0763	-. 2236	80060.
#2	26. 57	-3. 783	-2. 189	120. 4	-. 1010	-. 6820	79880.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	. 2688	4. 975	. 0858	17. 63	1030.	939. 2	7. 027
SDev	1. 064	. 125	. 2074	7. 66	7.	1. 3	. 601
%RSD	396. 0	2. 504	241. 6	43. 45	. 6626	. 1344	8. 546

#1	1. 021	5. 063	. 2324	23. 05	1035.	938. 4	7. 452
#2	-. 4837	4. 887	-. 0608	12. 22	1025.	940. 1	6. 603

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	627. 5	-. 4754	H254600.	-. 3098	. 6607	26. 84	3. 438
SDev	57. 3	. 1946	797.	. 9934	. 5603	. 33	2. 957
%RSD	9. 130	40. 93	. 3132	320. 6	84. 80	1. 217	86. 02

#1	668. 0	-. 3378	H254000.	. 3926	1. 057	27. 07	1. 347
#2	587. 0	-. 6130	H255100.	-1. 012	. 2645	26. 60	5. 529

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	-. 9628	9. 335	-1. 340	. 5086	2. 216	14. 68	-. 6589
SDev	2. 8285	. 273	. 305	. 9020	. 294	. 57	1. 3160
%RSD	293. 8	2. 927	22. 72	177. 3	13. 28	3. 868	199. 7

#1	1. 037	9. 528	-1. 125	1. 146	2. 424	14. 28	. 2717
#2	-2. 963	9. 142	-1. 556	-. 1292	2. 008	15. 08	-1. 589

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.

Low -6.000 -10.00 -50.00 -20.00

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avge	.0385	4.663	294.2	.2059
SDev	1.1313	2.131	1.1	.3774
%RSD	2940.	45.71	.3807	183.3

#1	.7615	6.170	293.4	.0610
#2	.8384	3.155	295.0	.4728

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20.00	-50.00	-50.00	-20.00

Method: SW846 Sample Name: 854473-5 Operator:  
 Run Time: 08/24/07 15:40:16  
 Comment: 14543  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	33.47	.0972	-3.210	122.8	-.1735	-.4199	81860.
SDev	2.45	1.619	1.564	.2	.0098	.0560	321.
%RSD	7.308	1666.	48.73	.1775	5.624	13.33	.3924

#1	31.74	-1.048	-2.104	122.9	-.1804	-.3803	82090.
#2	35.20	1.242	-4.316	122.6	-.1666	-.4595	81630.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2337	4.808	.2614	13.38	1051.	965.8	7.309
SDev	.0877	.362	.0626	6.10	4.	3.7	.669
%RSD	37.54	7.530	23.96	45.57	.4151	.3812	9.157

#1	.1716	4.552	.2171	9.066	1054.	968.4	6.836
#2	.2957	5.064	.3057	17.69	1048.	963.2	7.782

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	543.4	-.1391	H259600.	-3.102	.6701	27.43	5.326
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SDev	16.2	.0485	611.	3.487	1.122	.24	4.270
%RSD	2.988	34.88	.2353	112.4	167.4	.8866	80.19

#1	554.9	-.1048	H260000.	-5.568	-.1231	27.26	2.306
#2	532.0	-.1734	H259100.	-.6365	1.463	27.60	8.345

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb

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Avge	2. 712	1. 251	-. 7801	3. 590	-. 1026	15. 17	-. 4606
SDev	. 631	1. 585	1. 5122	1. 001	. 4810	. 32	. 3616
%RSD	23. 28	126. 6	193. 9	27. 88	468. 9	2. 115	78. 51
#1	3. 158	. 1311	. 2892	2. 882	. 2375	14. 94	-. 7163
#2	2. 265	2. 372	- 1. 849	4. 298	-. 4427	15. 40	-. 2049
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	. 0927	3. 208	301. 0	-. 1848			
SDev	. 8660	2. 116	. 3	. 0423			
%RSD	934. 2	65. 94	. 1051	22. 87			
#1	-. 5196	1. 712	301. 2	-. 1549			
#2	. 7050	4. 704	300. 8	-. 2147			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 854473L- 5 Operator:  
 Run Time: 08/24/07 15: 46: 23  
 Comment: 14568  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94. 61	- 3. 523	- 4. 351	24. 62	-. 2170	-. 7281	16500.
SDev	5. 48	1. 527	1. 180	. 19	. 0033	. 1478	115.
%RSD	5. 787	43. 36	27. 12	. 7552	1. 506	20. 30	. 6965
#1	90. 74	- 2. 443	- 3. 516	24. 75	-. 2147	-. 6236	16580.
#2	98. 48	- 4. 603	L- 5. 185	24. 48	-. 2193	-. 8325	16410.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-. 2793	. 2081	-. 3918	- 11. 71	213. 0	193. 7	1. 564
SDev	. 4781	. 5282	. 3512	3. 12	6. 0	1. 7	1. 329
%RSD	171. 2	253. 8	89. 64	26. 68	2. 813	. 8521	84. 94
#1	. 0588	-. 1654	-. 1435	- 9. 503	217. 3	194. 9	2. 504
#2	-. 6174	. 5817	-. 6402	- 13. 92	208. 8	192. 6	. 6248
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	313. 5	-. 9653	52080.	. 5474	. 2732	5. 195	8. 468
SDev	17. 8	. 2027	352.	1. 648	1. 014	. 262	2. 000
%RSD	5. 694	20. 99	. 6766	301. 0	371. 4	5. 034	23. 61
#1	326. 1	- 1. 109	52330.	-. 6176	-. 4442	5. 380	7. 054
#2	300. 8	-. 8220	51830.	1. 712	. 9905	5. 010	9. 882

23123NT1.txt

Errors High	LC Pass 100000.	LC Pass 2500.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
Element Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avg	1.436	4.508	.4683	3.784	1.190	2.882	.9537
SDev	.351	3.119	.1108	.900	.965	.485	1.0643
%RSD	24.42	69.18	23.66	23.78	81.07	16.84	111.6
#1	1.188	2.303	.3899	3.147	.5077	2.539	.2011
#2	1.684	6.713	.5466	4.420	1.872	3.225	-1.706

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Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				-6.000	-10.00	-50.00	-20.00
Element Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb			
Avg	.7322	1.214	60.72	.0419			
SDev	.0860	1.100	.27	.0433			
%RSD	11.74	90.57	.4409	103.2			
#1	.6714	1.992	60.91	.0725			
#2	.7930	.4366	60.53	.0113			

Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.
Low	-20.00	-50.00	-50.00	-20.00

Method: SW846

Sample Name: 854473MS-5

Operator:

Run Time: 08/24/07 15:52:30

Comment:

Mode: CONC Corr. Factor: 1

Element Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avg	258.1	198.0	1031.	2205.	203.6	213.5	80500.
SDev	2.2	6.2	5.	3.	.7	.7	382.
%RSD	.8642	3.139	.4996	.1257	.3669	.3079	.4743
#1	256.5	193.6	1027.	2203.	203.0	213.1	80230.
#2	259.7	202.4	1034.	2207.	204.1	214.0	80770.

Errors High	LC Pass 250000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.	LC Pass 2000.	LC Pass 5000.	LC Pass 250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

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Element Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni2316 ppb
Avg	1026.	6.039	208.0	223.8	1034.	1158.	219.6
SDev	3.	1.185	.1	.7	7.	4.	1.1
%RSD	.2742	19.61	.0709	.3331	.6621	.3735	.5048
#1	1024.	5.202	207.9	223.3	1030.	1155.	218.8
#2	1028.	6.877	208.1	224.3	1039.	1161.	220.4

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low							

23123NT1. txt

Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	535. 0	101. 1	H258000.	208. 7	208. 7	239. 4	1066.
SDev	14. 7	1. 3	240.	3. 5	1. 4	1. 8	4.
%RSD	2. 748	1. 314	. 0931	1. 680	. 6882	. 7705	. 3484
#1	524. 6	100. 2	H257800.	206. 2	207. 7	238. 1	1064.
#2	545. 4	102. 1	H258100.	211. 2	209. 7	240. 7	1069.
Errors	LC Pass	LC Pass	LC Hi gh	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	1063.	215. 4	210. 4	1064.	212. 0	15. 24	- . 3450
SDev	1.	8. 2	1. 0	2.	3. 4	. 49	. 8531
%RSD	. 0855	3. 830	. 4545	. 1732	1. 596	3. 244	247. 3
#1	1063.	209. 6	209. 7	1063.	209. 6	15. 59	- . 9482
#2	1064.	221. 2	211. 0	1066.	214. 4	14. 89	. 2582
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	- . 2325	2. 114	300. 7	- . 2610			
SDev	. 1601	2. 292	. 6	. 1247			
%RSD	68. 84	108. 5	. 2016	47. 78			
#1	- . 3457	. 4926	300. 3	- . 3492			
#2	- . 1193	3. 735	301. 2	- . 1728			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 854467- 10 Operator:  
 Run Time: 08/24/07 15: 58: 37  
 Comment: 14568  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47. 14	- 5. 129	- 3. 439	33. 15	- . 1570	- . 9939	476. 2
SDev	4. 21	. 743	3. 093	. 25	. 0215	. 1095	1. 8
%RSD	8. 935	14. 49	89. 93	. 7671	13. 72	11. 02	. 3875
#1	50. 12	- 5. 655	L- 5. 627	33. 33	- . 1723	- . 9165	477. 5
#2	44. 16	- 4. 604	- 1. 252	32. 97	- . 1418	- 1. 071	474. 9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27. 16	- 1. 005	5. 290	30. 15	75. 32	4. 627	4. 145
SDev	1. 04	. 082	. 183	15. 27	. 66	. 180	. 785



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%RSD	3. 847	8. 132	3. 465	50. 66	. 8699	3. 899	18. 94
#1	27. 89	- 1. 063	5. 419	40. 95	74. 86	4. 755	4. 700
#2	26. 42	- . 9471	5. 160	19. 35	75. 79	4. 500	3. 590
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	19050.	- 1. 130	H4491000.	- 2. 561	1. 236	7. 439	14. 05
Analysi s	Report			08/24/07	04: 04: 41	PM	page 19
SDev	63.	. 085	901.	3. 085	. 437	. 059	7. 18
%RSD	. 3299	7. 546	. 0200	120. 5	35. 40	. 7882	51. 05
#1	19010.	- 1. 070	H4491000.	- 4. 742	1. 545	7. 480	19. 13
#2	19100.	- 1. 191	H4492000.	- . 3797	. 9264	7. 397	8. 981
Errors	LC Pass	LC Pass	LC Hi gh	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	7. 372	5. 483	- 6. 684	9. 602	- 2. 631	90. 33	- 2. 680
SDev	. 221	4. 920	1. 044	2. 242	2. 335	. 26	. 710
%RSD	2. 999	89. 74	15. 61	23. 35	88. 77	. 2875	26. 48
#1	7. 216	8. 961	- 5. 946	11. 19	- . 9794	90. 51	- 2. 178
#2	7. 529	2. 004	- 7. 421	8. 017	- 4. 282	90. 15	- 3. 181
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	5. 470	3. 961	20. 10	. 2801			
SDev	. 722	. 672	. 00	. 2508			
%RSD	13. 20	16. 96	. 0244	89. 55			
#1	4. 959	3. 486	20. 10	. 4575			
#2	5. 980	4. 436	20. 10	. 1028			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 854458- 5 Operator:  
 Run Time: 08/24/07 16: 04: 44  
 Comment: 7834  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20. 16	- 3. 475	- 3. 609	112. 0	- . 2724	- . 4756	133900.
SDev	1. 60	2. 818	3. 029	. 2	. 0352	. 0156	110.
%RSD	7. 929	81. 09	83. 93	. 1409	12. 94	3. 285	. 0822
#1	19. 03	- 1. 482	- 1. 467	112. 1	- . 2973	- . 4866	133800.
#2	21. 29	- 5. 467	L- 5. 750	111. 9	- . 2475	- . 4645	134000.

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Errors High	LC Pass 250000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.	LC Pass 2000.	LC Pass 5000.	LC Pass 250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
Element Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avg	17.03	.4470	.0258	-25.15	3966.	341.2	5.258
SDev	.02	.0804	.2222	.29	12.	.4	.253
%RSD	.1033	17.99	862.2	1.143	.2943	.1174	4.807
#1	17.04	.5039	.1314	-25.36	3958.	341.0	5.437
#2	17.02	.3902	.1829	-24.95	3975.	341.5	5.080
Errors High	LC Pass 10000.	LC Pass 5000.	LC Pass 25000.	LC Pass 200000.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
Element Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avg	2410.	.7411	H272900.	-3.346	.3201	-1.522	6.429
SDev	30.	.4069	352.	.097	1.070	.570	1.230
%RSD	1.232	54.90	.1289	2.905	334.2	37.48	19.13
#1	2431.	-1.029	H273200.	-3.277	1.077	-1.118	7.298
#2	2389.	.4534	H272700.	-3.415	.4364	-1.925	5.559
Errors High	LC Pass 100000.	LC Pass 2500.	LC High 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
Element Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avg	-2.879	10.41	-2.143	.2274	2.040	27.12	-2.286
SDev	.212	1.22	.190	.5493	.278	.50	.684
%RSD	7.349	11.68	8.884	241.5	13.63	1.833	29.93
#1	-2.730	9.554	-2.008	.6159	1.843	27.47	-1.802
#2	-3.029	11.27	-2.277	.1610	2.237	26.77	-2.770

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Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				-6.000	-10.00	-50.00	-20.00
Element Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avg	.7150	1.777	329.4	.7484			
SDev	.1261	1.807	.3	.0607			
%RSD	17.63	101.7	.0806	8.106			
#1	.8041	3.055	329.2	.7055			
#2	.6258	.4994	329.6	.7912			
Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.			
Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846

Sample Name: 854459-5

Operator:

Run Time: 08/24/07 16:10:52

Comment: 7834

Mode: CONC Corr. Factor: 1

23123NT1. txt

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	150. 0	-3. 585	L-6. 178	334. 8	- . 1265	- . 6002	99930.
SDev	3. 1	2. 319	. 610	. 7	. 0193	. 0727	1.
%RSD	2. 070	64. 68	9. 870	. 1955	15. 26	12. 11	. 0011
#1	152. 2	-1. 946	L-6. 609	334. 3	- . 1401	- . 5488	99930.
#2	147. 8	-5. 225	L-5. 746	335. 2	- . 1128	- . 6517	99930.
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
Analysi s	Report			08/24/07	04: 16: 56	PM	page 24
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14. 84	. 6397	- . 3285	-9. 649	4310.	1001.	4. 857
SDev	. 17	. 3235	. 0817	1. 150	2.	1.	. 740
%RSD	1. 156	50. 57	24. 88	11. 92	. 0391	. 0981	15. 23
#1	14. 96	. 8684	- . 2707	-10. 46	4311.	1001.	4. 334
#2	14. 72	. 4109	- . 3863	-8. 836	4309.	1002.	5. 380
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	950. 1	- . 6676	H271300.	-4. 971	. 1725	1. 209	4. 920
SDev	37. 7	. 6011	107.	2. 482	. 3662	. 459	. 679
%RSD	3. 963	90. 04	. 0394	49. 92	212. 2	37. 96	13. 79
#1	976. 8	- . 2425	H271400.	-3. 217	- . 0864	1. 534	4. 440
#2	923. 5	-1. 093	H271200.	-6. 726	. 4315	. 8848	5. 400
Errors	LC Pass	LC Pass	LC Hi gh	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	- . 1590	4. 576	-5. 399	1. 538	-2. 076	27. 68	2. 279
SDev	1. 6829	2. 975	3. 255	. 897	1. 181	. 43	. 347
%RSD	1059.	65. 00	60. 29	58. 28	56. 87	1. 556	15. 23
#1	1. 031	6. 680	-7. 701	2. 172	-2. 911	27. 99	2. 525
#2	-1. 349	2. 473	-3. 097	. 9043	-1. 241	27. 38	2. 034
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6. 000	-10. 00	-50. 00	-20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	- . 1214	4. 872	121. 0	- . 5333			
SDev	. 0530	2. 791	. 1	. 2081			
%RSD	43. 68	57. 29	. 0944	39. 02			
#1	- . 0839	6. 845	120. 9	- . 3861			
#2	- . 1589	2. 898	121. 1	- . 6804			

23123NT1.txt

Errors LC Pass LC Pass LC Pass LC Pass  
 High 5000. 2000. 10000. 20000.  
 Low -20.00 -50.00 -50.00 -20.00

Method: SW846 Sample Name: 854470-5 Operator:  
 Run Time: 08/24/07 16:16:59  
 Comment: 14568  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	32.29	- .8726	-3.311	68.92	- .2569	- .5858	15630.
SDev	.32	.3593	1.120	.06	.0203	.0813	1.
%RSD	.9891	41.17	33.82	.0865	7.885	13.87	.0090

#1	32.06	-1.127	-2.519	68.88	- .2712	- .5283	15630.
#2	32.51	- .6185	-4.104	68.97	- .2425	- .6432	15630.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- .0754	- .3259	- .2964	-8.001	35430.	- .5163	1.365
SDev	.2860	.0023	.0830	4.286	10.	.0360	.186
%RSD	379.3	.7123	28.01	53.56	.0279	6.965	13.63

#1	- .2777	- .3275	- .3551	-11.03	35420.	- .4908	1.234
#2	.1268	- .3243	- .2377	-4.971	35440.	- .5417	1.497

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	435.7	- .5125	185000.	- .9270	1.028	- .2322	3.121
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SDev	6.4	.1486	1110.	4.4340	.261	.2044	1.617
%RSD	1.473	28.99	.6003	478.3	25.42	88.04	51.81

#1	440.2	- .4074	184200.	-4.062	1.213	- .3767	4.264
#2	431.2	- .6176	185800.	2.208	.8432	- .0876	1.977

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	-1.374	5.599	- .6431	.1290	1.436	1.539	- .2012
SDev	1.222	.572	4.4909	1.353	3.186	.009	.3308
%RSD	88.92	10.22	698.3	1049.	221.8	.5765	164.4

#1	- .5100	5.194	-3.819	1.086	- .8164	1.545	- .4351
#2	-2.237	6.004	2.532	- .8279	3.689	1.533	.0327

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00

23123NT1.txt

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Uni ts	ppb	ppb	ppb	ppb
Avge	. 2923	2. 384	29. 04	. 5123
SDev	. 6171	1. 222	. 03	. 1713
%RSD	211. 1	51. 28	. 1073	33. 43
#1	. 7286	1. 519	29. 02	. 3912
#2	. 1440	3. 248	29. 06	. 6334
Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5000.	2000.	10000.	20000.
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00

Method: SW846 Sample Name: CCV5 Operator:  
 Run Time: 08/24/07 16: 23: 06  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	127000.	955. 6	4958.	9964.	1007.	2507.	127800.
SDev	94.	15. 7	33.	32.	11.	5.	952.
%RSD	. 0741	1. 639	. 6624	. 3204	1. 061	. 1982	. 7451
#1	126900.	966. 7	4981.	9986.	1015.	2511.	128500.
#2	127000.	944. 5	4934.	9941.	999. 7	2504.	127200.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895. 0	4475.	8950.	895. 0	2238.	112000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5030.	2535.	12540.	101000.	126000.	5005.	2525.
SDev	29.	8.	28.	533.	987.	39.	4.
%RSD	. 5720	. 3216	. 2260	. 5280	. 7827	. 7714	. 1428
#1	5050.	2540.	12560.	101300.	126700.	5033.	2522.
#2	5009.	2529.	12520.	100600.	125300.	4978.	2527.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	49540.	1249.	123500.	5076.	2547.	7652.	10270.
SDev	413.	6.	171.	18.	19.	74.	73.
%RSD	. 8341	. 4720	. 1387	. 3605	. 7643	. 9648	. 7079
#1	49250.	1253.	123400.	5063.	2560.	7704.	10330.
#2	49830.	1245.	123600.	5089.	2533.	7600.	10220.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	10220.	5060.	5076.	10240.	5070.	1025.	515. 1
SDev	73.	47.	15.	73.	25.	2.	1. 7
%RSD	. 7115	. 9210	. 2883	. 7103	. 4986	. 1869	. 3253

#1	10270.	5093.	5086.	10290.	5088.	1023.	516.3
#2	10170.	5027.	5065.	10190.	5053.	1026.	513.9

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Errors High Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 11050. 8951.	LC Pass 5525. 4475.	LC Pass 1104. 896.0	LC Pass 552.5 447.5
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Element Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb
Avg	2494.	991.4	5052.	10050.
SDev	16.	9.9	2.	6.
%RSD	.6270	1.003	.0435	.0616

#1	2505.	998.5	5050.	10040.
#2	2483.	984.4	5053.	10050.

Errors High Low	LC Pass 2760. 2239.	LC Pass 1104. 896.0	LC Pass 5520. 4478.	LC Pass 11040. 8960.
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Method: SW846 Sample Name: CCB5  
 Run Time: 08/24/07 16:29:14  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

Element Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avg	28.61	.8718	-1.399	.6211	-.1047	-.4786	10.03
SDev	2.70	3.172	.769	.1439	.0361	.1516	1.48
%RSD	9.450	363.8	55.00	23.17	34.51	31.67	14.72

#1	30.52	3.115	-.8548	.7229	-.1303	-.3714	8.984
#2	26.70	-1.371	-1.943	.5194	-.0792	-.5857	11.07

Errors High Low	LC Pass 10.00 -10.00	LC Pass 50.00 -50.00	LC Pass 25.00 -25.00	LC Pass 150.0 -150.0	LC Pass 1000. -1000.	LC Pass 15.00 -15.00	LC Pass 40.00 -40.00
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High Low	200.0 -200.0	10.00 -10.00	5.000 -5.000	100.0 -100.0	2.000 -2.000	4.000 -4.000	1000. -1000.
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Element Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni2316 ppb
Avg	.0215	-.4055	.5720	-1.429	15.28	.3407	.9595
SDev	.9986	.5854	.3403	25.269	8.57	.0713	.7325
%RSD	4654.	144.4	59.49	1769.	56.06	20.92	76.34

#1	.7276	.0084	.8126	16.44	21.34	.3911	1.477
#2	-.6847	-.8194	.3314	-19.30	9.225	.2903	.4416

Errors High Low	LC Pass 10.00 -10.00	LC Pass 50.00 -50.00	LC Pass 25.00 -25.00	LC Pass 150.0 -150.0	LC Pass 1000. -1000.	LC Pass 15.00 -15.00	LC Pass 40.00 -40.00
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Element Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1 ppb
Avg	259.3	-.1141	399.2	-2.151	1.278	.2101	5.243
SDev	18.1	.3454	3.4	3.162	.914	1.157	3.954
%RSD	6.986	302.7	.8458	147.0	71.53	550.7	75.41

#1	272.1	.1301	396.9	-4.387	1.924	1.028	8.039
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#2	246.5	-.3583	401.6	.0851	.6315	-.6079	2.447
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10.00	3000.	10.00	20.00	30.00	
Low	-3000.	-10.00	-3000.	-10.00	-20.00	-30.00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	-2.913	3.298	-5.755	-.1908	-2.739	.6331	-.4299
SDev	1.207	1.024	2.132	2.1216	1.763	.7673	2.2957
%RSD	41.43	31.04	37.05	1112.	64.37	121.2	534.0
#1	-2.059	4.021	-4.247	1.309	-1.493	1.176	1.193
#2	-3.766	2.574	-7.263	-1.691	-3.986	.0906	-2.053
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3.000	5.000	50.00	10.00
Low				-3.000	-5.000	-50.00	-5.000
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avg	.1804	1.413	.3390	.9833			
SDev	.5685	1.379	.0226	.2818			
%RSD	315.1	97.62	6.672	28.66			
#1	.5824	.4376	.3550	1.183			
#2	-.2216	2.388	.3230	.7841			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20.00	20.00	50.00	20.00			
Low	-20.00	-20.00	-50.00	-20.00			

Method: SW846 Sample Name: 854471-5 Operator:  
 Run Time: 08/24/07 16:35:21  
 Comment: 14568  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	393.3	-2.078	-3.593	9.951	-.4245	-.8615	11020.
SDev	2.0	1.302	1.116	.095	.0398	.0612	71.
%RSD	.5041	62.63	31.07	.9518	9.372	7.107	.6429
#1	394.7	-1.158	-2.803	10.02	-.4526	-.9048	11070.
#2	391.9	-2.999	-4.382	9.884	-.3964	-.8182	10970.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.876	-.7136	12.94	101.9	H2726000.	L-38.47	36.53
SDev	.158	.0635	.11	16.9	13840.	.32	.27
%RSD	8.419	8.892	.8691	16.61	.5077	.8306	.7523
#1	1.988	-.6688	13.02	113.8	H2736000.	L-38.70	36.73
#2	1.764	-.7585	12.86	89.89	H2716000.	L-38.25	36.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Low	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1

Units ppb ppb ppb ppb ppb ppb  
 Avge 3497. -1.120 H320200. -3.434 .2008 3.176  
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SDev	30.	.759	438.	5.744	1.599	.239	4.291
%RSD	.8689	67.75	.1367	167.3	796.6	7.526	71.36
#1	3519.	-1.657	H319900.	.6275	-.9301	3.345	2.979
#2	3476.	-.5837	H320500.	-7.496	1.332	3.007	9.048
Errors High	LC Pass 100000.	LC Pass 2500.	LC High 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
Element Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	12.07	1.145	2.670	10.05	2.163	23.49	3.472
SDev	2.74	5.739	8.767	.40	3.937	.50	.999
%RSD	22.72	501.3	328.3	3.976	182.0	2.123	28.79
#1	14.01	-2.913	8.869	10.34	4.947	23.13	4.179
#2	10.13	5.203	-3.529	9.772	-.6203	23.84	2.765
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				-6.000	-10.00	-50.00	-20.00
Element Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb			
Avge	2.359	1.357	3503.	L-51.83			
SDev	.461	1.340	2.	.14			
%RSD	19.55	98.78	.0711	.2729			
#1	2.685	.4091	3505.	L-51.93			
#2	2.033	2.305	3502.	L-51.73			
Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Low 20000.			
Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846 Sample Name: 854472-5 Operator:  
 Run Time: 08/24/07 16:41:29  
 Comment: 7834  
 Mode: CONC Corr. Factor: 1

Element Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	48.59	.3140	-1.493	.4609	-.2113	-.7374	76.56
SDev	.89	1.518	.107	.0778	.0257	.0351	.37
%RSD	1.825	483.3	7.173	16.87	12.17	4.759	.4805
#1	49.22	1.387	-1.569	.5159	-.2295	-.7126	76.82
#2	47.97	-.7592	-1.417	.4059	-.1931	-.7622	76.30
Errors High	LC Pass 250000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.	LC Pass 2000.	LC Pass 5000.	LC Pass 250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
Element Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni2316 ppb
Avge	.1238	-.4557	-.0193	-2.238	335.2	.2136	1.216
SDev	.1844	.6490	.5004	.969	29.0	.0375	.354
%RSD	148.9	142.4	2586.	43.30	8.663	17.57	29.15



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#1	-.0066	.0032	.3345	-1.553	355.7	.2401	1.466
#2	.2542	-.9147	-.3732	-2.923	314.6	.1870	.9652
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
Element	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	290.6	-.8719	278.3	-3.204	1.021	1.184	380.8
SDev	36.9	.3579	101.8	2.366	.277	.177	5.8
%RSD	12.71	41.05	36.56	73.83	27.12	14.98	1.532
#1	316.8	-.6189	350.2	-4.877	1.216	1.058	384.9
#2	264.5	-1.125	206.4	-1.532	.8248	1.309	376.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
Element	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	379.0	4.440	-3.735	379.6	-1.011	1.627	-.2869
SDev	4.1	9.018	3.585	.8	.611	1.032	.4536
%RSD	1.088	203.1	96.00	.2130	60.45	63.42	158.1
#1	376.1	10.82	-6.270	379.0	-.5791	2.356	.0338
#2	381.9	-1.936	-1.199	380.2	-1.444	.8971	-.6076

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00
Element	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avg	.2888	.2755	.9360	.5747			
SDev	.7568	3.878	.0666	.1167			
%RSD	262.0	1408.	7.112	20.30			
#1	-.2463	3.018	.9831	.6572			
#2	.8240	-2.467	.8889	.4922			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	5000.	2000.	10000.	20000.			
Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846

Sample Name: FB082207

Operator:

Run Time: 08/24/07 16:47:36

Comment: 7834

Mode: CONC Corr. Factor: 1

Element	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18.13	1.380	-2.580	-.0664	-.3018	-.7376	3.963
SDev	4.47	.586	2.849	.1513	.0162	.0214	.703
%RSD	24.67	42.49	110.4	227.9	5.380	2.904	17.75
#1	21.29	.9655	-.5653	-.1734	-.3132	-.7527	3.465
#2	14.96	1.795	-4.594	.0406	-.2903	-.7224	4.460

Errors Analysis LC Pass Report LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass  
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High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
Element	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8876	9213	1795	16.41	53.39	543	532
SDev	2866	5341	1818	2.18	2.27	0005	1225
%RSD	32.29	57.97	101.3	13.30	4.249	.9268	230.4

#1	-1.090	-1.299	-.3080	-17.96	55.00	-.0539	.1398
#2	-.6850	-.5436	-.0510	-14.87	51.79	-.0547	-.0335

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

Element	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	209.1	9636	259.9	-5.073	.2772	-.0806	6.228
SDev	12.7	.5231	46.6	1.203	.0064	.2985	1.379
%RSD	6.076	54.28	17.93	23.71	2.313	370.2	22.14

#1	218.1	-.5937	227.0	-5.923	.2817	-.2917	5.253
#2	200.1	-1.333	292.9	-4.222	.2727	.1305	7.203

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

Element	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	.7802	-.6242	1.116	2.600	.5375	-2.275	-1.045
SDev	2.285	3.3163	3.670	1.066	3.552	.049	.045
%RSD	292.9	531.3	328.8	40.99	660.9	2.157	4.318

#1	2.396	1.721	3.711	3.353	3.049	-2.240	-1.077
#2	-.8355	-2.969	-1.479	1.846	-1.974	-2.310	-1.013

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00

Element	Mo2020	Sn1899	Sr4215	Ti3349
Units	ppb	ppb	ppb	ppb
Avg	7839	1.652	0093	.0015
SDev	8591	2.052	.0271	.0241
%RSD	109.6	124.2	292.2	1650.

#1	-1.391	.2005	.0099	.0185
#2	-.1765	3.103	-.0284	-.0156

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20.00	-50.00	-50.00	-20.00

Method: SW846 Sample Name: TB082107-5 Operator:  
 Run Time: 08/24/07 16:53:44  
 Comment: 7834  
 Mode: CONC Corr. Factor: 1

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El em Uni ts	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	141. 1	1. 321	-3. 999	- . 1208	- . 2275	- . 7403	3. 615
SDev	4. 5	3. 508	. 889	. 0131	. 0035	. 2697	. 536
%RSD	3. 192	265. 6	22. 22	10. 84	1. 533	36. 43	14. 83
#1	144. 3	3. 801	-3. 371	- . 1115	- . 2250	- . 5496	3. 994
#2	137. 9	-1. 160	-4. 627	- . 1301	- . 2300	- . 9310	3. 236
Errors Hi gh Low	LC Pass 250000. -200. 0	LC Pass 2000. -10. 00	LC Pass 10000. -5. 000	LC Pass 20000. -20. 00	LC Pass 2000. -3. 000	LC Pass 5000. -5. 000	LC Pass 250000. -1000.
El em Uni ts	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	. 1114	- . 6240	- . 5343	-7. 314	38. 67	. 0667	4. 339
SDev	. 1901	. 1343	. 1286	4. 204	9. 52	. 1729	1. 525
%RSD	170. 7	21. 53	24. 07	57. 49	24. 63	259. 3	35. 15
#1	. 2458	- . 7190	- . 4433	-10. 29	45. 40	. 1890	5. 418
#2	- . 0230	- . 5290	- . 6252	-4. 341	31. 93	- . 0556	3. 261
Errors Hi gh Low	LC Pass 10000. -10. 00	LC Pass 5000. -10. 00	LC Pass 25000. -25. 00	LC Pass 200000. -150. 0	LC Pass 250000. -1000.	LC Pass 10000. -15. 00	LC Pass 5000. -40. 00
El em Uni ts	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1 ppb
Avge	209. 4	- . 0692	H263700.	1. 278	1. 237	. 8285	-3. 233
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SDev	31. 0	. 2766	. 664.	9. 863	. 393	. 2189	6. 201
%RSD	14. 82	399. 6	. 2519	771. 7	31. 79	26. 42	191. 8
#1	231. 4	. 1263	H263300.	8. 253	1. 515	. 9833	-7. 617
#2	187. 5	- . 2648	H264200.	-5. 696	. 9587	. 6738	1. 152
Errors Hi gh Low	LC Pass 100000. -2500.	LC Pass 2500. -10. 00	LC Hi gh 250000. -2500.	LC Pass 10000. -10. 00	LC Pass 5000. -20. 00	LC Pass 15000. -30. 00	NOCHECK
El em Uni ts	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	-1. 207	. 5797	. 4767	-1. 876	. 5125	. 6602	. 4574
SDev	. 096	2. 406	. 7576	2. 000	. 2965	. 2689	. 8538
%RSD	7. 915	415. 0	158. 9	106. 6	57. 85	40. 73	186. 7
#1	-1. 139	-1. 121	1. 012	-3. 291	. 3028	. 4701	1. 061
#2	-1. 274	2. 281	- . 0590	- . 4615	. 7221	. 8504	- . 1464
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. -6. 000	LC Pass 10000. -10. 00	LC Pass 2000. -50. 00	LC Pass 2000. -20. 00
El em Uni ts	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	- . 3221	2. 867	. 0207	. 3848			
SDev	. 2265	. 631	. 0418	. 0869			
%RSD	70. 33	22. 02	202. 0	22. 58			
#1	- . 1619	3. 314	. 0503	. 4463			
#2	- . 4822	2. 421	- . 0089	. 3234			

Errors LC Pass LC Pass LC Pass LC Pass  
 High 5000. 2000. 10000. 20000.  
 Low -20.00 -50.00 -50.00 -20.00

Method: SW846 Sample Name: TB082207-5 Operator:  
 Run Time: 08/24/07 16:59:51  
 Comment: 15014  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	140.5	1.299	-4.899	-2100	-2870	-6936	2.899
SDev	2.2	.866	.181	.1550	.0088	.0545	.981
%RSD	1.577	66.67	3.693	73.79	3.078	7.860	33.85

#1	142.0	.6866	-4.771	-3196	-2808	-6550	3.593
#2	138.9	1.911	L-5.027	-1004	-2933	-7321	2.205

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0738	.2825	.4900	-4.620	23.23	.0471	3.763
SDev	.4778	.1308	.0007	2.194	2.20	.0696	.219
%RSD	647.1	46.32	.1384	47.50	9.458	147.7	5.832

#1	-.4117	.3750	-.4905	-6.171	21.68	-.0021	3.608
#2	.2640	.1900	-.4895	-3.068	24.79	.0964	3.918

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	310.2	-.0297	H271300.	.8116	1.501	.3973	6.926
SDev	9.1	.5340	295.	4.267	.669	.7227	6.300
%RSD	2.922	1797.	.1087	525.8	44.55	181.9	90.96

#1	316.7	.3479	H271500.	-2.206	1.974	-.1138	11.38
#2	303.8	-.4073	H271100.	3.829	1.028	.9083	2.471

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	-.6197	14.14	-3.036	1.896	2.685	.9086	-.4365
SDev	5.1160	2.12	4.993	1.311	2.624	1.851	.4163
%RSD	825.5	15.00	164.5	69.13	97.71	203.7	95.37

#1	-4.237	15.64	-6.567	.9695	.8299	-.4001	-.7309
#2	2.998	12.64	.4945	2.823	4.540	2.217	-.1422

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	5420	1.976	0186	3290
SDev	0570	.732	.0517	.1474
%RSD	10.52	37.06	278.5	44.80
#1	5016	2.494	0552	2248
#2	5823	1.458	0180	4332
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20.00	-50.00	-50.00	-20.00

Method: SW846 Sample Name: TB082307-5 Operator:  
 Run Time: 08/24/07 17:05:58  
 Comment: 14543  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64.35	-2.932	-4.697	-2.2438	-2.2396	-5.5556	2.612
SDev	3.62	.653	2.643	.0994	.0213	.1639	1.234
%RSD	5.625	22.28	56.28	40.79	8.885	29.50	47.24
#1	61.79	-3.394	L-6.565	-2.3141	-2.2245	-6.716	1.739
#2	66.91	-2.470	-2.828	-1.735	-2.2546	-4.397	3.484
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3194	3481	6655	2.860	14.85	0307	3.652
SDev	3294	.0041	.8110	18.720	4.91	.0348	.446
%RSD	103.1	1.184	121.9	654.5	33.10	113.4	12.22
#1	5523	3451	-1.239	-16.10	11.37	0553	3.968
#2	0865	3510	0920	10.38	18.32	0061	3.337

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	241.4	0446	H266800.	-2.725	2.045	.1700	.2880
SDev	20.3	1.1201	65.	1.065	2.553	.1155	4.941
%RSD	8.400	2513.	.0244	39.09	124.9	67.94	1715.
#1	227.1	8366	H266700.	-1.972	.2396	.0883	-3.206
#2	255.8	7475	H266800.	-3.478	3.850	.2516	3.782

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	9769	5.796	1.202	5488	2.733	.0988	3446
SDev	3011	.410	5.184	1.4459	3.321	1.178	.9310

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%RSD	30.82	7.065	431.4	263.5	121.5	1193.	270.2
#1	-.7640	5.507	4.868	-1.571	5.081	-.7341	-1.003
#2	-1.190	6.086	-2.464	.4736	.3841	.9316	.3138
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Low				20000.	10000.	2000.	2000.
				-6.000	-10.00	-50.00	-20.00
Element	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avg	-.2965	2.219	-.0520	.2948			
SDev	.1919	.199	.0621	.2356			
%RSD	64.73	8.949	119.5	79.89			
#1	-.4322	2.359	-.0959	.1283			
#2	-.1608	2.078	-.0081	.4614			
Errors High	LC Pass	LC Pass	LC Pass	LC Pass			
Low	5000.	2000.	10000.	20000.			
	-20.00	-50.00	-50.00	-20.00			

Method: SW846 Sample Name: IC3A3 Operator:  
 Run Time: 08/24/07 17:12:05  
 Comment: 7928  
 Mode: CONC Corr. Factor: 1

Element	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509800.	-5.644	-7.168	-1.439	-.6235	-1.539	491400.
SDev	427.	2.564	1.773	.042	.0145	.002	1265.
%RSD	.0838	45.42	24.74	2.946	2.320	.1467	.2575
#1	509500.	-3.831	L-8.422	-1.469	-.6337	-1.538	492300.
#2	510100.	-7.457	-5.914	-1.409	-.6133	-1.541	490500.
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	600000.	10.00	8.000	100.0	2.000	5.000	600000.
	400000.	-10.00	-8.000	-100.0	-2.000	-5.000	400000.
Element	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.853	-1.113	-4.563	201300.	537900.	-.7860	9.758
SDev	.781	.501	.303	156.	134.	.1974	.043
%RSD	42.14	45.02	6.636	.0777	.0250	25.12	.4433
#1	2.405	-.7590	-4.349	201400.	537800.	-.6464	9.789
#2	1.301	-1.468	-4.778	201200.	538000.	-.9256	9.727
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	10.00	20.00	25.00	240000.	600000.	15.00	40.00
	-10.00	-20.00	-25.00	160000.	400000.	-15.00	-40.00
Element	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	275.4	-1.558	106.7	-8.701	1.140	.6072	14.41
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SDev	26.2	.125	194.4	4.165	.850	.2419	3.72
%RSD	9.497	8.049	182.2	47.87	74.54	39.84	25.84
#1	293.9	-1.470	244.2	-5.756	1.741	.4362	17.04
#2	256.9	-1.647	-30.75	L-11.65	.5392	.7783	11.78

23123NT1.txt

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Low	5000.	10.00	5000.	10.00	20.00	30.00	
	-5000.	-10.00	-5000.	-10.00	-20.00	-30.00	
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	-26.25	-13.68	-.7051	L-12.71	-5.026	.1333	-.7944
SDev	4.82	6.01	2.1700	1.98	3.448	.6227	.0451
%RSD	18.37	43.91	307.8	15.56	68.61	467.2	5.682
#1	-29.66	-9.435	.8293	L-14.11	-2.587	.5736	-.8263
#2	-22.84	-17.93	-2.239	L-11.31	-7.464	-.3070	-.7625
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Pass	NOCHECK	LC Pass
Low				5.000	10.00		20.00
				-5.000	-10.00		-20.00
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb			
Avge	-1.632	-2.131	.8266	-9.728			
SDev	.405	1.747	.0123	.080			
%RSD	24.82	82.00	1.487	.8190			
#1	-1.346	-.8953	.8353	-9.671			
#2	-1.919	-3.367	.8179	-9.784			
Errors High	LC Pass	LC Pass	LC Pass	LC Pass			
Low	20.00	50.00	20.00	20.00			
	-20.00	-50.00	-20.00	-20.00			

Method: SW846 Sample Name: ICSAB3 Operator:  
 Run Time: 08/24/07 17:18:13  
 Comment: 7928  
 Mode: CONC Corr. Factor: 1

El em Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	516500.	96.51	95.00	105.6	100.5	96.94	502300.
SDev	1119.	2.98	2.33	.1	.1	.09	157.
%RSD	.2167	3.083	2.449	.1092	.1281	.0932	.0312
#1	515700.	94.41	96.65	105.5	100.6	97.01	502200.
#2	517300.	98.61	93.36	105.7	100.4	96.88	502400.
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	600000.	120.0	120.0	120.0	120.0	120.0	600000.
	400000.	80.00	80.00	80.00	80.00	80.00	400000.
El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni2316 ppb
Avge	101.9	98.91	103.9	205900.	550900.	100.9	109.8
SDev	.4	.93	.2	187.	450.	.1	.5
%RSD	.4100	.9415	.2015	.0909	.0816	.1071	.4966
#1	102.2	98.25	104.1	205800.	550600.	100.8	110.2
#2	101.6	99.56	103.8	206000.	551200.	100.9	109.4
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	120.0	120.0	120.0	240000.	600000.	120.0	120.0
	80.00	80.00	80.00	160000.	400000.	80.00	80.00
El em Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1

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Avge	10220.	102. 2	10230.	94. 48	102. 8	98. 01	124. 3
SDev	8.	. 2	139.	3. 85	. 7	. 49	. 8
%RSD	. 0790	. 2384	1. 355	4. 076	. 6834	. 4955	. 6705
#1	10220.	102. 0	10130.	91. 76	102. 3	97. 67	124. 9
#2	10230.	102. 3	10320.	97. 21	103. 3	98. 36	123. 8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	12000.	120. 0	12000.	120. 0	120. 0	120. 0	
Low	800. 0	80. 00	800. 0	80. 00	80. 00	80. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	72. 81	91. 58	107. 0	89. 97	101. 9	104. 1	- 1. 073
SDev	. 89	8. 15	1. 5	. 87	3. 7	. 6	. 133
%RSD	1. 218	8. 902	1. 425	. 9661	3. 663	. 6165	12. 39
#1	73. 44	97. 34	108. 1	90. 59	104. 5	104. 6	- 1. 167
#2	72. 19	85. 81	105. 9	89. 36	99. 24	103. 7	- . 9788

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh				120. 0	120. 0	120. 0	
Low				80. 00	80. 00	80. 00	
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	101. 2	102. 1	109. 2	93. 34			
SDev	. 6	. 6	. 0	. 09			
%RSD	. 6025	. 5926	. 0109	. 0990			
#1	101. 6	101. 7	109. 2	93. 28			
#2	100. 8	102. 5	109. 2	93. 41			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	120. 0	120. 0	120. 0	120. 0			
Low	80. 00	80. 00	80. 00	80. 00			

Method: SW846

Sample Name: CCV6

Operator:

Run Time: 08/24/07 17: 24: 20

Comment: 8217

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	126500.	936. 4	4919.	9906.	989. 5	2495.	126900.
SDev	382.	1. 4	3.	36.	. 0	3.	154.
%RSD	. 3021	. 1539	. 0692	. 3603	. 0028	. 1063	. 1215
#1	126200.	935. 4	4922.	9881.	989. 5	2496.	127000.
#2	126700.	937. 4	4917.	9932.	989. 5	2493.	126800.

Errors  
Analysis Report

LC Pass

LC Pass

LC Pass

LC Pass

LC Pass

LC Pass

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Hi gh	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895. 0	4475.	8950.	895. 0	2238.	112000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4979.	2522.	12450.	99970.	123900.	4917.	2530.



23123NT1. txt

SDev	6.	1.	54.	49.	35.	3.	3.
%RSD	. 1282	. 0242	. 4350	. 0488	. 0280	. 0625	. 1290
#1	4974.	2521.	12410.	100000.	123800.	4915.	2533.
#2	4983.	2522.	12480.	99940.	123900.	4920.	2528.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	49590.	1237.	123000.	5081.	2501.	7484.	10130.
SDev	367.	3.	578.	2.	3.	22.	35.
%RSD	. 7396	. 2664	. 4701	. 0334	. 1352	. 3005	. 3445
#1	49330.	1235.	122600.	5082.	2499.	7500.	10110.
#2	49850.	1240.	123400.	5080.	2503.	7468.	10160.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	10130.	4983.	5047.	10130.	5026.	1018.	514. 7
SDev	40.	24.	22.	15.	7.	.	. 6
%RSD	. 3937	. 4797	. 4409	. 1478	. 1369	. 0005	. 1257
#1	10160.	4967.	5062.	10140.	5030.	1018.	514. 2
#2	10100.	5000.	5031.	10120.	5021.	1018.	515. 1
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				11050.	5525.	1104.	552. 5
Low				8951.	4475.	896. 0	447. 5
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	2466.	985. 5	5039.	10050.			
SDev	1.	4. 0	21.	20.			
%RSD	. 0379	. 4090	. 4076	. 1963			
#1	2465.	988. 4	5025.	10030.			
#2	2467.	982. 7	5054.	10060.			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	2760.	1104.	5520.	11040.			
Low	2239.	896. 0	4478.	8960.			

Method: SW846

Sample Name: CCB6

Operator:

Run Time: 08/24/07 17: 30: 27

Comment: 8217

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	89. 88	1. 177	- 1. 711	1. 213	- . 1309	- . 2717	81. 51
SDev	3. 41	4. 775	. 478	. 212	. 0306	. 1984	3. 66
%RSD	3. 799	405. 8	27. 92	17. 46	23. 40	73. 03	4. 492
#1	92. 29	4. 553	- 1. 373	1. 363	- . 1092	- . 1314	84. 10
#2	87. 46	- 2. 200	- 2. 049	1. 063	- . 1525	- . 4120	78. 92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

23123NT1. txt

Hi gh	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
Low	-200. 0	-10. 00	-5. 000	-100. 0	-2. 000	-4. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 7872	. 1265	. 7350	30. 52	58. 39	. 6088	. 3696
SDev	1. 135	. 5878	. 3414	9. 42	8. 14	. 1038	. 5452
%RSD	144. 1	464. 7	46. 45	30. 85	13. 94	17. 06	147. 5
#1	1. 589	. 2891	. 9764	37. 18	64. 15	. 6823	. 7551
#2	-. 0152	-. 5421	. 4936	23. 86	52. 64	. 5354	-. 0159
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	50. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	-10. 00	-50. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	250. 8	-. 6828	186. 4	. 2225	2. 262	2. 695	. 5751
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SDev	20. 2	. 6229	40. 0	3. 032	. 004	. 518	1. 972
%RSD	8. 041	91. 22	21. 47	1362.	. 1972	19. 23	342. 8
#1	265. 1	-. 2424	214. 6	-1. 921	2. 265	3. 062	-. 8190
#2	236. 6	-1. 123	158. 1	2. 366	2. 259	2. 329	1. 969
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	-3000.	-10. 00	-3000.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	2. 887	1. 325	-1. 692	2. 121	-. 6863	-. 1437	-. 8674
SDev	1. 794	7. 208	3. 506	1. 857	. 0617	. 0462	1. 0224
%RSD	62. 14	544. 0	207. 2	87. 55	8. 991	32. 13	117. 9
#1	1. 618	-3. 772	. 7873	. 8078	-. 7299	-. 1110	-. 1444
#2	4. 155	6. 422	-4. 171	H3. 433	-. 6427	-. 1763	-1. 590
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3. 000	5. 000	50. 00	10. 00
Low				-3. 000	-5. 000	-50. 00	-5. 000
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	-. 1974	. 9384	. 7034	1. 502			
SDev	. 9091	1. 045	. 0929	. 352			
%RSD	460. 6	111. 4	13. 20	23. 43			
#1	. 4455	1. 677	. 7691	1. 751			
#2	-. 8402	. 1995	. 6377	1. 253			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20. 00	20. 00	50. 00	20. 00			
Low	-20. 00	-20. 00	-50. 00	-20. 00			

23123NT2.txt  
 BATCH 23123NT2 METHOD 6010B 23080NT3 METHOD 200.7  
 23122NT1 METHOD 200.7

1	HSA	23123N2	SW846	08/25/07	03:05	S	CONC
2	ICV/CCV1	23123N2	SW846	08/25/07	03:11	S	CONC
3	ICB/CCB1	23123N2	SW846	08/25/07	03:17	S	CONC
4	ICSA1	23123N2	SW846	08/25/07	03:23	S	CONC
5	ICSAB1	23123N2	SW846	08/25/07	03:29	S	CONC
6	MCL	23123N2	SW846	08/25/07	03:35	S	CONC
7	MCL-2	23123N2	SW846	08/25/07	03:41	S	CONC
8	INT-20	23123N2	SW846	08/25/07	03:48	S	CONC
9	854043-5	23123N2	SW846	08/25/07	03:54	S	CONC
10	854044-5	23123N2	SW846	08/25/07	04:00	S	CONC
11	854045-5	23123N2	SW846	08/25/07	04:06	S	CONC
12	854046-5	23123N2	SW846	08/25/07	04:12	S	CONC
13	854047-5	23123N2	SW846	08/25/07	04:18	S	CONC
14	CCV2	23123N2	SW846	08/25/07	04:25	S	CONC
15	CCB2	23123N2	SW846	08/25/07	04:31	S	CONC
16	853038-080	23123N2	SW846	08/25/07	04:37	S	CONC
17	853040	23123N2	SW846	08/25/07	04:43	S	CONC
18	853892-5	23123N2	SW846	08/25/07	04:49	S	CONC
19	853332-5	23123N2	SW846	08/25/07	04:55	S	CONC
20	853913-5	23123N2	SW846	08/25/07	05:01	S	CONC
21	853924-5	23123N2	SW846	08/25/07	05:08	S	CONC
22	853912-5	23123N2	SW846	08/25/07	05:14	S	CONC
23	854792-5	23123N2	SW846	08/25/07	05:20	S	CONC
24	855183-5	23123N2	SW846	08/25/07	05:26	S	CONC
25	CCV3	23123N2	SW846	08/25/07	05:32	S	CONC
26	CCB3	23123N2	SW846	08/25/07	05:38	S	CONC
27	ICSA2	23123N2	SW846	08/25/07	05:45	S	CONC
28	ICSAB2	23123N2	SW846	08/25/07	05:51	S	CONC
29	CCV4	23123N2	SW846	08/25/07	05:57	S	CONC
30	CCB4	23123N2	SW846	08/25/07	06:03	S	CONC
31	PBW082307	23123N2	SW846	08/25/07	06:09	S	CONC
32	LCSW	23123N2	SW846	08/25/07	06:15	S	CONC
33	854846D	23123N2	SW846	08/25/07	06:22	S	CONC
34	854846	23123N2	SW846	08/25/07	06:28	S	CONC
35	854846L	23123N2	SW846	08/25/07	06:34	S	CONC
36	854846MS	23123N2	SW846	08/25/07	06:40	S	CONC
37	854846A	23123N2	SW846	08/25/07	06:46	S	CONC
38	854843	23123N2	SW846	08/25/07	06:52	S	CONC
39	854844	23123N2	SW846	08/25/07	06:58	S	CONC
40	854845	23123N2	SW846	08/25/07	07:05	S	CONC
41	CCV5	23123N2	SW846	08/25/07	07:11	S	CONC
42	CCB5	23123N2	SW846	08/25/07	07:17	S	CONC
43	854847	23123N2	SW846	08/25/07	07:23	S	CONC
44	855095	23123N2	SW846	08/25/07	07:29	S	CONC
45	855096	23123N2	SW846	08/25/07	07:35	S	CONC
46	855097	23123N2	SW846	08/25/07	07:42	S	CONC
47	855098	23123N2	SW846	08/25/07	07:48	S	CONC
48	855099	23123N2	SW846	08/25/07	07:54	S	CONC
49	855100	23123N2	SW846	08/25/07	08:00	S	CONC
50	855185	23123N2	SW846	08/25/07	08:06	S	CONC
51	855186	23123N2	SW846	08/25/07	08:12	S	CONC
52	855187	23123N2	SW846	08/25/07	08:19	S	CONC
53	CCV6	23123N2	SW846	08/25/07	08:25	S	CONC

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#	Sample Name	File	23123NT2.txt		Time	OpID	Type	Mode
			Method	Date				
54	CCB6	23123N2	SW846	08/25/07	08:31	S	CONC	
55	855188	23123N2	SW846	08/25/07	08:37	S	CONC	
56	855189	23123N2	SW846	08/25/07	08:43	S	CONC	
57	855190	23123N2	SW846	08/25/07	08:49	S	CONC	
58	855191	23123N2	SW846	08/25/07	08:56	S	CONC	
59	ICSA3	23123N2	SW846	08/25/07	09:02	S	CONC	
60	ICSA3	23123N2	SW846	08/25/07	09:08	S	CONC	
61	CCV7	23123N2	SW846	08/25/07	09:14	S	CONC	
62	CCB7	23123N2	SW846	08/25/07	09:20	S	CONC	

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#	Sample Name	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265
1	HSA	248700.	2018.	9785.	19460.	1965.	4829.
2	ICV/CCV1	128200.	986.9	4982.	10040.	1023.	2520.
3	ICB/CCB1	1.476	-.6535	1.625	1.295	.0681	.4547
4	ICSA1	521300.	L-10.12	-6.394	.1987	-.0559	1.453
5	ICSA1	525500.	98.70	100.6	107.8	103.9	101.2
6	MCL	454.4	7.673	10.16	10.15	10.57	10.75
7	MCL-2	123.7	2.467	3.684	4.630	5.327	5.183
8	INT-20	-35.88	-39.02	13.02	-.5283	-.8445	-3.943
9	854043-5	128.7	-4.108	-4.086	7.765	-.0221	-.1226
10	854044-5	89.16	240.6	-.5901	170.7	.0351	-.0972
11	854045-5	105.1	-5.668	-1.941	50.83	.0881	-.1002
12	854046-5	342.5	-2.240	-1.555	32.25	.0133	.1925
13	854047-5	54.20	-3.311	-2.380	44.52	-.0812	.1109
14	CCV2	129200.	1002.	4959.	10190.	1025.	2473.
15	CCB2	-15.26	-3.218	-.5268	.2559	-.0200	-.1275
16	853038-080	51.93	-5.452	1.913	78.18	-.0255	-.0559
17	853040	-28.67	-3.473	1.156	74.72	-.0773	-.1500
18	853892-5	90.29	-8.720	L-5.818	104.7	.0171	-.6958
19	853332-5	61.37	-4.749	-1.901	119.3	.0565	-.0566
20	853913-5	148.5	-4.209	-3.030	3.377	.0233	-.0512
21	853924-5	40.83	-4.343	-.8083	12.96	.2403	-.2544
22	853912-5	485.8	1.760	-2.700	48.71	.3603	.1879
23	854792-5	61.03	-4.105	-2.607	47.52	.1796	.3624
24	855183-5	710.2	-5.387	.4540	48.22	.5108	-.2913
25	CCV3	128700.	1008.	5097.	10100.	1050.	2572.
26	CCB3	-28.86	-2.627	3.591	.1976	.3364	.1664
27	ICSA2	520000.	-8.989	-6.508	-1.057	-.0421	1.267
28	ICSA2	527200.	99.95	98.19	108.2	106.2	102.0
29	CCV4	128700.	1009.	5011.	10140.	1034.	2519.
30	CCB4	-.2082	-3.570	.1532	.2992	.2433	-.0787
31	PBW082307	-10.93	-5.435	1.498	.1527	.4085	.0546
32	LCSW	2212.	569.8	2210.	2169.	57.89	56.52
33	854846D	38.08	-2.614	1.572	135.8	.3677	-.2114
34	854846	177.4	-3.950	.1096	135.0	.2648	-.3841
35	854846L	-32.04	-4.835	-.8910	26.56	.3180	-.1948
36	854846MS	2306.	584.9	2215.	2347.	58.64	55.29
37	854846A	2226.	543.7	2078.	2214.	55.69	52.40
38	854843	-2.169	-1.093	.2124	235.6	.3978	-.3025
39	854844	44.90	-5.683	-3.560	322.7	.1839	-.2823
40	854845	-39.89	-3.588	-.6920	52.36	.3971	-.2821
41	CCV5	128200.	1023.	5006.	10120.	1042.	2505.
42	CCB5	-43.35	-1.187	3.440	.3435	.3767	.1672
43	854847	-57.45	-5.763	2.271	.1298	.5346	-.0839
44	855095	103.2	-3.639	-.9339	145.8	.3294	-.0928
45	855096	-41.82	-6.801	.8895	136.9	.5446	-.3167

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46	855097	-11.13	-4.885	1.057	16.87	.3353	-.3512
47	855098	-57.13	-5.395	3.212	339.6	.5114	-.2384
48	855099	-36.49	-3.384	1.554	21.17	.3250	-.1101
49	855100	-74.38	-5.011	.4752	-.5619	.4295	-.2453
50	855185	5361.	-2.528	4.802	52.07	.6271	-.1833
51	855186	269.0	-2.970	.1098	22.72	.2631	-.1853
52	855187	854.3	-4.561	-.6917	43.03	.5132	-.3557
53	CCV6	126800.	1034.	4967.	10000.	1046.	2494.

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#	Sample Name	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265
54	CCB6	-54.31	-3.494	-1.172	.5477	.4520	-.0294
55	855188	-4.002	-6.447	1.687	21.44	.5891	-.0928
56	855189	542.8	-4.665	.7794	18.79	.3704	.0212
57	855190	573.9	-6.578	1.134	25.36	.5718	-.1813
58	855191	200.7	-4.507	2.696	22.48	.4342	-.3359
59	ICSA3	527800.	L-10.88	-1.579	-1.669	.1519	2.080
60	ICSA3	531500.	107.4	102.4	109.0	108.8	102.9
61	CCV7	129900.	1091.	5157.	10300.	1104.	2613.
62	CCB7	-26.92	-.6380	1.265	.8136	.7207	.3319

#	Sample Name	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mg2790
1	HSA	244400.	9835.	4852.	24980.	196900.	253500.
2	ICV/CCV1	128300.	5056.	2532.	12630.	102000.	127300.
3	ICB/CCB1	-1.340	.8526	.2225	1.944	3.385	8.736
4	ICSA1	509800.	2.230	.4345	.0261	209200.	565200.
5	ICSA1	513900.	105.2	100.7	106.4	210800.	566900.
6	MCL	2296.	10.22	11.21	10.29	197.3	2133.
7	MCL-2	1096.	4.932	4.993	5.255	79.84	1036.
8	INT-20	36.75	20870.	20970.	1.870	5.175	-40.56
9	854043-5	4418.	2.421	3.519	.4712	-1.039	2209.
10	854044-5	85170.	.2709	6.171	.4014	265.3	4588.
11	854045-5	22520.	.2315	3.381	-.0792	3779.	1906.
12	854046-5	25630.	-.0535	1.216	.7129	34.02	2599.
13	854047-5	25020.	-.3514	3.013	.0318	474.2	6075.
14	CCV2	128300.	5180.	2520.	12890.	102900.	128600.
15	CCB2	-9.031	.0444	-.2294	.6986	-18.82	-7.748
16	853038-080	82740.	.4110	1.752	2.280	45.55	20140.
17	853040	78400.	.4092	1.980	2.028	2.239	19080.
18	853892-5	5775.	-.6468	.7534	-2.790	146700.	203.0
19	853332-5	9971.	-.1538	.2144	.5757	3.652	1812.
20	853913-5	976.9	-.2004	.1184	1.626	15.10	146.9
21	853924-5	434.4	-.1271	.2462	.8942	5.224	83.69
22	853912-5	7489.	.0846	2.574	2.058	1097.	1911.
23	854792-5	8497.	.2715	3.426	4.464	26.05	1028.
24	855183-5	970.1	-.5158	.3019	.3135	-27.03	134.4
25	CCV3	131500.	5181.	2584.	12730.	104700.	131300.
26	CCB3	-9.737	.0439	.6452	1.474	-17.42	-8.197
27	ICSA2	506800.	.9762	.6944	-1.499	209000.	565400.
28	ICSA2	522100.	106.1	101.1	108.9	214400.	578500.
29	CCV4	130800.	5116.	2542.	12780.	103500.	129400.
30	CCB4	16.90	-.3838	-.0957	1.201	-10.00	14.70
31	PBWO82307	29.53	-.4647	.6202	1.850	-7.295	10.61
32	LCSW	22890.	223.5	558.1	277.4	1107.	21910.
33	854846D	72520.	1.094	.4869	1.698	24490.	15470.
34	854846	71880.	1.491	.4111	1.221	24220.	15320.
35	854846L	14680.	-.2636	.0816	1.456	4914.	3061.
36	854846MS	93670.	226.2	556.6	288.9	25050.	37500.
37	854846A	92570.	214.2	528.8	272.5	24960.	36300.

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38	854843	69510.	2. 372	. 3852	. 8146	51910.	20410.
39	854844	95350.	1. 412	. 5202	. 6365	67790.	20270.
40	854845	36780.	-. 7144	-. 2762	2. 414	1363.	20570.
41	CCV5	130700.	5123.	2535.	12770.	103800.	130400.

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#	Sample Name	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mg2790
42	CCB5	- 2. 882	-. 0003	-. 0726	2. 409	- 23. 82	- 6. 361
43	854847	16. 33	-. 1837	. 7345	2. 785	- 16. 69	- 9. 275
44	855095	94000.	2. 281	. 4510	3. 272	38410.	23860.
45	855096	67410.	1. 407	. 5108	2. 832	33310.	17310.
46	855097	11830.	. 2073	. 9317	3. 898	818. 2	7607.
47	855098	58690.	. 5776	. 2105	2. 674	36230.	22680.
48	855099	11850.	-. 0494	. 5892	2. 030	486. 3	21760.
49	855100	61. 32	-. 0553	1. 013	2. 977	- 13. 76	- 12. 76
50	855185	39470.	7. 198	4. 053	21. 12	6901.	14170.
51	855186	42330.	-. 0985	. 8459	7. 037	633. 1	14370.
52	855187	11430.	. 4106	. 8878	9. 288	1516.	3313.
53	CCV6	131000.	5119.	2519.	12630.	103900.	130700.
54	CCB6	15. 28	-. 2616	-. 0278	2. 978	- 18. 74	- 6. 326
55	855188	74570.	- 1. 151	. 6918	12. 82	- 9. 919	27900.
56	855189	13280.	1. 396	. 6108	8. 804	1095.	3314.
57	855190	19070.	. 4401	. 7107	7. 842	1232.	5308.
58	855191	40720.	-. 2195	-. 0364	8. 816	605. 4	13790.
59	ICSA3	529700.	1. 780	. 0590	. 4463	217600.	591200.
60	ICSAB3	534100.	107. 5	102. 2	110. 5	218700.	592900.
61	CCV7	H139100.	5354.	2612.	13030.	109400.	136800.
62	CCB7	51. 44	-. 0392	. 3905	4. 565	4. 985	37. 14

#	Sample Name	Mn2576	Ni 2316	K_7664	Ag3280	Na3302	Tl 1908
1	HSA	9821.	4826.	98750.	2504.	246000.	9700.
2	ICV/CCV1	5076.	2521.	49660.	1261.	123400.	5033.
3	ICB/CCB1	. 4784	-. 3243	333. 5	-. 2636	240. 2	1. 657
4	ICSA1	-. 2855	10. 21	339. 1	-. 2261	301. 5	- 2. 922
5	ICSAB1	103. 9	110. 3	10550.	105. 2	10370.	99. 50
6	MCL	10. 19	9. 716	4937.	8. 920	5022.	9. 502
7	MCL- 2	4. 775	5. 147	2648.	4. 420	2659.	3. 255
8	INT- 20	20380.	21220.	338. 2	. 5004	- 9. 591	- 1. 610
9	854043- 5	59. 99	5. 296	801. 5	. 4212	H295700.	- 1. 255
10	854044- 5	1037.	12. 65	1315.	. 0254	H301400.	. 0895
11	854045- 5	329. 1	8. 222	926. 6	-. 1824	H290200.	- 1. 844
12	854046- 5	102. 0	4. 170	830. 2	. 6117	H287800.	- 4. 333
13	854047- 5	160. 2	6. 902	1360.	-. 4234	H284000.	- 2. 022
14	CCV2	5118.	2563.	50490.	1277.	125700.	5004.
15	CCB2	-. 0622	-. 7100	279. 4	-. 2837	291. 7	1. 821
16	853038- 080	. 3965	5. 340	1718.	-. 2508	26600.	-. 8460
17	853040	-. 1398	9. 196	1654.	. 0078	36730.	4. 362
18	853892- 5	3792.	. 5580	798. 2	-. 0962	H278300.	- 8. 246
19	853332- 5	18. 36	1. 067	832. 2	. 3546	H258200.	- 1. 793
20	853913- 5	12. 50	2. 645	262. 1	-. 0720	H356400.	- 1. 848
21	853924- 5	5. 428	3. 100	307. 1	. 0014	H299500.	-. 2171
22	853912- 5	265. 8	7. 289	864. 0	. 0831	H283100.	- 4. 392
23	854792- 5	944. 7	3. 033	772. 2	. 7885	H278500.	- 2. 784
24	855183- 5	71. 11	. 3251	421. 0	-. 3205	H258800.	- 3. 679
25	CCV3	5190.	2574.	49640.	1272.	123600.	5134.
26	CCB3	-. 0861	-. 0537	344. 8	. 7119	468. 7	- 1. 187
27	ICSA2	- 1. 026	9. 445	305. 4	-. 1918	212. 6	- 6. 621
28	ICSAB2	105. 3	111. 2	10600.	106. 8	10390.	93. 81
29	CCV4	5137.	2525.	50150.	1271.	124400.	5052.

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#	Sample Name	Mn2576	Ni 2316	K_7664	Ag3280	Na3302	Tl 1908
30	CCB4	. 1575	. 2759	294. 0	. 2409	186. 0	- 1. 942
31	PBW082307	. 1952	. 4271	258. 6	. 5953	175. 4	2. 596
32	LCSW	566. 5	557. 2	21180.	54. 74	21130.	2208.
33	854846D	1348.	. 3138	2166.	. 3482	51940.	2. 036
34	854846	1336.	1. 003	2113.	. 0013	51810.	- 2. 157
35	854846L	271. 1	. 2151	597. 8	. 0749	10380.	. 1305
36	854846MS	1891.	548. 4	23480.	55. 38	73390.	2170.
37	854846A	1860.	522. 5	22360.	53. 94	71340.	2055.
38	854843	1375.	. 2591	2505.	. 6562	57030.	2. 872
39	854844	4979.	. 3914	3364.	. 1854	44210.	. 8719
40	854845	83. 52	. 0333	4129.	. 6454	49130.	. 7972
41	CCV5	5176.	2498.	49970.	1272.	123900.	4990.
42	CCB5	. 0503	. 5146	298. 2	. 0647	151. 0	1. 151
43	854847	. 1322	. 1672	356. 5	. 3085	180. 6	3. 019
44	855095	1433.	1. 129	2316.	. 0600	56040.	. 7378
45	855096	1039.	. 7758	2063.	. 1116	44050.	. 4700
46	855097	16. 46	1. 049	4480.	. 4497	73310.	- 1. 441
47	855098	857. 1	1. 874	3989.	. 3311	17480.	1. 324
48	855099	62. 49	. 9437	3514.	. 5621	35530.	5. 375
49	855100	. 4233	. 3559	369. 5	. 0529	324. 6	- 2. 519
50	855185	339. 3	7. 770	5069.	. 1044	64860.	1. 042
51	855186	81. 65	1. 503	4850.	. 2910	73500.	2. 230
52	855187	57. 49	1. 317	5573.	. 3847	7696.	. 9000
53	CCV6	5179.	2467.	49660.	1262.	122900.	4881.
54	CCB6	. 0203	. 0894	365. 4	. 0564	130. 7	. 7000
55	855188	2. 419	1. 704	11560.	. 1594	148700.	- 2. 062
56	855189	85. 08	2. 268	1711.	. 0253	19240.	2. 070
57	855190	97. 16	. 9605	1781.	. 1022	27540.	. 1089
58	855191	79. 06	3. 056	4662.	. 1926	68710.	1. 445
59	ICSA3	- 1. 551	9. 490	327. 2	. 0550	120. 9	- 6. 402
60	ICSA3	107. 3	109. 3	10780.	106. 6	10610.	99. 53
61	CCV7	5433.	2554.	50820.	1306.	125600.	5017.
62	CCB7	. 2784	. 7638	395. 9	. 3339	258. 0	. 2771

#	Sample Name	V_2924	Zn2062	*Y	Ti 3349	Sr4215	Sn1899
1	HSA	4941.	14670.	999. 596	20070.	9806.	1974.
2	ICV/CCV1	2583.	7732.	1010. 75	10170.	5082.	1005.
3	ICB/CCB1	. 7633	. 9282	1017. 33	1. 741	. 7340	- 1. 630
4	ICSA1	- 1. 673	2. 865	938. 028	- 8. 537	1. 709	- 1. 218
5	ICSA1	104. 0	103. 1	957. 762	96. 08	111. 6	106. 9
6	MCL	8. 852	12. 39	1047. 75	110. 7	103. 0	102. 7
7	MCL- 2	3. 563	5. 216	1008. 83	55. 32	51. 44	52. 02
8	INT- 20	20720.	10. 13	1024. 35	20710.	19510.	21200.
9	854043- 5	2. 307	11. 20	1036. 67	3. 197	37. 72	9. 686
10	854044- 5	. 1800	234. 3	1036. 07	. 2343	228. 5	4. 518
11	854045- 5	- 1. 278	85. 53	1005. 65	. 0032	92. 73	3. 232
12	854046- 5	. 9106	51. 09	1023. 07	. 1208	100. 7	3. 592
13	854047- 5	. 9457	160. 4	1029. 03	. 3436	96. 80	3. 116
14	CCV2	2612.	7719.	992. 966	10080.	5128.	1004.
15	CCB2	- 1. 486	. 2910	1025. 1	. 6724	. 2251	1. 403
16	853038- 080	. 5050	1. 591	1023. 57	. 2153	1258.	1. 914
17	853040	. 0654	4. 018	1023. 75	. 3976	1192.	. 2398

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#	Sample Name	V_2924	Zn2062	*Y	Ti 3349	Sr4215	Sn1899
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18	853892-5	-1.080	8.373	1013.69	-.3038	28.38	4.680
19	853332-5	-1.401	3.313	1025	-.0161	46.14	1.071
20	853913-5	-.8907	48.98	1044.63	-.3246	10.27	3.305
21	853924-5	-2.109	3.774	1033.34	-.1213	1.595	3.639
22	853912-5	.2542	248.3	1051.39	.2112	22.97	2.993
23	854792-5	-.3420	27.48	1028.72	-.0675	36.12	2.318
24	855183-5	-2.380	37.14	1019.64	-.0926	3.673	2.373
25	CCV3	2652.	8119.	996.658	10120.	5112.	1036.
26	CCB3	.0172	-.5122	1025.21	.6729	.1541	1.403
27	ICSA2	-2.085	2.087	950.56	-9.891	1.060	-.9143
28	IC SAB2	106.3	104.4	947.18	93.96	111.4	108.2
29	CCV4	2627.	7884.	996.918	10080.	5114.	1016.
30	CCB4	-2.731	-.0602	1022.03	.7557	.2020	-.8704
31	PBW082307	-1.405	.2656	1055.26	.8106	.1521	-.1241
32	LCSW	572.4	584.3	1043.85	540.0	560.2	559.9
33	854846D	1.384	1.822	1012.23	3.073	309.7	2.061
34	854846	1.772	.8502	1028.72	2.736	308.2	1.961
35	854846L	-2.923	-.7819	1039.45	.2791	61.68	2.150
36	854846MS	583.2	580.1	1003.13	540.0	869.6	560.0
37	854846A	553.1	556.0	1016.5	510.3	834.3	533.7
38	854843	1.428	-.2239	1031.11	1.423	232.7	2.046
39	854844	1.366	.8969	1019.93	1.332	363.8	2.612
40	854845	-4.257	1.098	1030.09	-.3509	249.2	1.098
41	CCV5	2653.	7974.	996.996	9973.	5081.	1015.
42	CCB5	-3.584	.0361	1038.08	.8875	.2389	.9682
43	854847	-2.905	1.054	1020.73	.4839	.0670	1.440
44	855095	1.595	10.05	1018.65	6.011	386.9	1.211
45	855096	.0889	3.284	1036.7	.9399	251.9	-.7430
46	855097	-3.245	4.444	1027.44	2.442	90.09	.4175
47	855098	-.8792	.9416	1022.11	.6975	198.6	1.439
48	855099	-2.246	3.010	1056.17	.4602	75.76	.9496
49	855100	-3.433	1.254	1025.52	.0612	-.1844	.9548
50	855185	11.77	47.89	1048.79	162.4	167.0	1.626
51	855186	-1.377	21.15	1037.4	8.923	179.5	2.328
52	855187	-1.521	20.30	1022.68	26.73	48.43	1.759
53	CCV6	2660.	8083.	1002.4	9817.	5003.	1019.
54	CCB6	-3.679	1.494	1037.92	.9166	.3382	-.0081
55	855188	-2.462	50.99	1005.37	-.4391	329.0	.4305
56	855189	-.5860	22.30	1041.79	18.09	58.07	.7535
57	855190	-1.111	24.86	1051.13	19.31	82.83	1.705
58	855191	-2.258	20.61	1024.45	7.969	169.7	1.193
59	ICSA3	-3.980	2.516	956.592	-11.13	.5197	1.102
60	IC SAB3	106.5	109.4	953.784	93.63	111.5	107.2
61	CCV7	H2796.	H8603.	1020.19	10140.	5143.	1065.
62	CCB7	-2.877	1.591	1047.33	1.325	.4722	2.306

#	Sample Name	Pb2203	Se1960	B_2496	La3988	Mo2020
1	HSA	19490.	9774.	2003.	998.7	4919.
2	ICV/CCV1	10180.	5092.	1032.	518.0	2509.
3	ICB/CCB1	.9054	-1.112	.6049	.2120	1.196
4	ICSA1	L-10.29	-4.813	-.5747	-.9339	-.7002
5	IC SAB1	92.84	96.79	107.1	-1.164	103.4

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#	Sample Name	Pb2203	Se1960	B_2496	La3988	Mo2020
6	MCL	10.07	10.17	50.61	-1.320	114.3
7	MCL-2	7.255	.8065	25.67	-.6128	57.57



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8	INT-20	. 9584	-. 1971	12. 91	5273.	20650.
9	854043- 5	4. 607	-1. 230	57. 90	. 4496	6. 149
10	854044- 5	77. 17	. 3448	38. 98	5. 461	1. 043
11	854045- 5	46. 46	-1. 834	20. 01	-. 7287	. 5448
12	854046- 5	31. 73	. 7784	27. 69	-. 0187	. 7773
13	854047- 5	26. 37	. 5908	53. 03	-. 3525	. 1053
14	CCV2	10170.	5056.	1037.	521. 8	2518.
15	CCB2	2. 413	. 7524	-1. 110	-1. 005	. 6147
16	853038- 080	-. 1805	7. 093	109. 1	-1. 258	1. 321
17	853040	1. 953	. 9050	103. 3	-. 3299	. 6597
18	853892- 5	2. 191	-1. 347	10. 30	-1. 667	-1. 137
19	853332- 5	3. 437	-1. 805	47. 91	-. 8079	-. 3051
20	853913- 5	11. 03	. 0757	14. 65	-. 2192	-. 5897
21	853924- 5	9. 088	-. 7418	16. 08	-. 4400	-. 5467
22	853912- 5	35. 95	1. 590	45. 37	. 4370	-. 8055
23	854792- 5	10. 57	1. 066	17. 84	. 0633	. 2190
24	855183- 5	4. 484	2. 087	30. 31	-1. 263	-. 5760
25	CCV3	10520.	5215.	1048.	521. 8	2572.
26	CCB3	2. 297	-. 9487	. 3668	-. 2167	. 4495
27	ICSA2	L- 9. 749	-5. 144	-. 0507	-1. 018	-1. 455
28	ICSAB2	91. 42	102. 1	105. 5	-. 8679	104. 8
29	CCV4	10280.	5132.	1036.	521. 2	2537.
30	CCB4	2. 620	-. 7024	-. 7065	-1. 232	-. 2634
31	PBW082307	2. 317	-2. 246	-. 8982	-. 1674	. 9437
32	LCSW	570. 9	2302.	551. 9	-1. 049	559. 3
33	854846D	1. 572	. 5342	168. 8	-. 6414	1. 292
34	854846	. 2645	-1. 530	167. 2	-1. 422	. 3838
35	854846L	-2. 042	2. 362	32. 47	-. 7482	-. 4388
36	854846MS	566. 9	2273.	728. 1	-. 9848	561. 7
37	854846A	538. 8	2156.	725. 5	-1. 407	533. 5
38	854843	2. 201	. 9497	185. 0	-. 5830	. 7611
39	854844	-. 6042	-1. 713	164. 4	-1. 460	-. 3622
40	854845	. 4055	-. 4594	177. 7	-1. 641	28. 31
41	CCV5	10350.	5167.	1036.	517. 7	2548.
42	CCB5	1. 356	-1. 361	-. 2039	-. 4968	. 8847
43	854847	2. 068	. 9451	. 1209	-. 7242	. 5621
44	855095	-. 0391	3. 015	230. 6	-. 6940	. 9636
45	855096	-. 4873	-1. 715	267. 4	-. 8873	. 4868
46	855097	1. 659	-2. 521	206. 4	-. 8619	107. 2
47	855098	-1. 199	-1. 047	119. 4	-. 6677	. 3510
48	855099	. 7833	. 2762	213. 1	-. 9356	41. 78
49	855100	-. 0284	-1. 647	. 8249	-. 3295	. 0730
50	855185	8. 107	. 7626	154. 8	4. 513	1. 814
51	855186	1. 237	-. 4560	160. 7	-1. 219	1. 023
52	855187	4. 409	-2. 154	31. 65	-1. 033	1. 323
53	CCV6	10350.	5139.	1023.	511. 1	2547.
54	CCB6	1. 310	-. 1539	-1. 273	-1. 749	. 4196
55	855188	-. 5137	1. 086	385. 8	-1. 619	1. 794
56	855189	5. 522	. 0529	31. 78	. 1964	. 9566
57	855190	5. 016	-4. 503	34. 53	-. 6338	. 7566
58	855191	1. 465	. 8557	158. 7	-. 7240	1. 109
59	ICSA3	L- 14. 80	3. 371	-1. 693	-1. 195	-2. 167

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#	Sample Name	Pb2203	Se1960	B_2496	La3988	Mb2020
60	ICSAB3	94. 63	104. 9	106. 4	-1. 925	105. 6
61	CCV7	10760.	5294.	1056.	527. 6	2663.
62	CCB7	2. 873	-. 8262	-. 4899	-. 1874	. 8471

Method: SW846 Standard: T3CAL- BLK  
Run Time: 08/25/07 02: 40: 26

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avg	. 1630	. 1459	-. 0893	. 0712	-. 2411	. 1069	. 1532
SDev	. 0215	. 0041	. 0246	. 0032	. 0018	. 0551	. 0257
%RSD	13. 19	2. 825	27. 55	4. 433	. 7322	51. 51	16. 79
#1	. 1782	. 1430	-. 1067	. 0734	-. 2399	. 1459	. 1713
#2	. 1478	. 1488	-. 0719	. 0690	-. 2424	. 0680	. 1350
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avg	. 0133	-. 0148	. 1002	. 0083	. 0657	. 0118	. 0157
SDev	. 0049	. 0084	. 0037	. 0048	. 0289	. 0041	. 0235
%RSD	37. 08	56. 94	3. 716	57. 86	43. 93	34. 94	150. 3
#1	. 0098	-. 0088	. 1028	. 0117	. 0862	. 0147	. 0323
#2	. 0167	-. 0207	. 0975	. 0049	. 0453	. 0089	-. 0010
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Avg	4. 713	-. 0158	. 0823	-. 0427	. 0103	. 0201	-. 0496
SDev	. 005	. 0195	. 0996	. 0019	. 0062	. 0020	. 0046
%RSD	. 1010	123. 8	121. 1	4. 433	60. 25	9. 906	9. 359

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#1	4. 716	-. 0020	. 1527	-. 0441	. 0147	. 0215	-. 0529
#2	4. 710	-. 0296	. 0118	-. 0414	. 0059	. 0187	-. 0463
El em	2203/2	1960/1	1960/2	B_2496	La3988	Mo2020	Sn1899
Avg	. 0338	-. 6023	. 2286	. 0570	. 0079	-. 0359	. 0039
SDev	. 0408	. 0999	. 0990	. 0025	. 0056	. 0161	. 0111
%RSD	120. 8	16. 59	43. 30	4. 433	71. 04	44. 96	284. 2
#1	. 0627	-. 5317	. 2986	. 0587	. 0039	-. 0245	. 0117
#2	. 0049	-. 6729	. 1586	. 0552	. 0118	-. 0473	-. 0039
El em	Sr4215	Ti 3349					
Avg	. 0530	-. 0354					
SDev	. 0192	. 0154					
%RSD	36. 25	43. 61					
#1	. 0666	-. 0245					
#2	. 0394	-. 0463					

Method: SW846 Standard: T3CAL1  
Run Time: 08/25/07 02: 46: 34

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avg	25. 14	2. 630	20. 65	33. 64	11. 89	130. 5	52. 42
SDev	. 04	. 019	. 01	. 04	. 01	. 2	. 04
%RSD	. 1435	. 7085	. 0432	. 1249	. 0742	. 1681	. 0843

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#1	25. 11	2. 617	20. 66	33. 61	11. 89	130. 4	52. 45
#2	25. 16	2. 643	20. 64	33. 67	11. 88	130. 7	52. 39
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avg	14. 78	5. 351	38. 66	13. 35	51. 86	20. 34	30. 26
SDev	. 02	. 016	. 04	. 01	. 02	. 02	. 18
%RSD	. 1623	. 2959	. 1020	. 0827	. 0463	. 1048	. 5898
#1	14. 76	5. 362	38. 63	13. 35	51. 87	20. 35	30. 13
#2	14. 80	5. 340	38. 69	13. 34	51. 84	20. 32	30. 39
El em	Ag3280	Tl 1908	V_2924	Zn2062	2203/1	2203/2	1960/1
Avg	10. 65	7. 308	2. 729	10. 14	26. 44	45. 06	30. 92
SDev	. 02	. 075	. 002	. 02	. 12	. 14	. 01
%RSD	. 2054	1. 033	. 0867	. 1481	. 4521	. 3190	. 0326
#1	10. 63	7. 255	2. 731	10. 15	26. 52	45. 16	30. 91
#2	10. 66	7. 361	2. 728	10. 13	26. 35	44. 96	30. 93
El em	1960/2	B_2496	La3988	Mo2020	Sn1899	Sr4215	Ti 3349
Avg	18. 34	2. 976	1. 716	10. 34	3. 281	137. 1	138. 1
SDev	. 16	. 005	. 002	. 01	. 016	. 3	. 3
%RSD	. 8948	. 1656	. 1286	. 1250	. 4875	. 1946	. 2327
#1	18. 46	2. 972	1. 714	10. 33	3. 270	136. 9	137. 9
#2	18. 23	2. 979	1. 717	10. 35	3. 292	137. 3	138. 3

Method: SW846 Standard: T3CAL2  
Run Time: 08/25/07 02: 52: 43

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avg	125. 9	13. 10	104. 4	168. 7	60. 42	644. 1	260. 6
SDev	. 5	. 18	. 4	1. 1	. 41	1. 8	1. 2
%RSD	. 4034	1. 373	. 3539	. 6306	. 6719	. 2810	. 4667
#1	125. 6	12. 97	104. 1	168. 0	60. 13	642. 8	259. 7
#2	126. 3	13. 22	104. 6	169. 5	60. 70	645. 3	261. 4
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avg	74. 14	26. 74	197. 3	66. 89	269. 4	101. 8	149. 8
SDev	. 34	. 06	1. 4	. 34	1. 8	. 7	. 2
%RSD	. 4551	. 2316	. 7336	. 5120	. 6734	. 6475	. 1232
#1	73. 90	26. 70	196. 3	66. 65	268. 1	101. 4	149. 7
#2	74. 38	26. 79	198. 3	67. 13	270. 6	102. 3	149. 9
El em	Ag3280	Tl 1908	V_2924	Zn2062	2203/1	2203/2	1960/1
Avg	54. 84	36. 75	13. 81	49. 44	132. 0	226. 4	157. 9
SDev	. 35	. 15	. 09	. 25	. 5	. 4	1. 0
%RSD	. 6462	. 4208	. 6682	. 5068	. 4100	. 1858	. 6527

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#1	54. 59	36. 64	13. 74	49. 26	131. 6	226. 1	157. 2
#2	55. 09	36. 86	13. 88	49. 61	132. 4	226. 7	158. 6
El em	1960/2	B_2496	La3988	Mo2020	Sn1899	Sr4215	Ti 3349
Avg	92. 35	14. 98	8. 694	51. 89	16. 49	689. 5	702. 6
SDev	. 27	. 08	. 040	. 23	. 01	3. 2	2. 3
%RSD	. 2884	. 5116	. 4595	. 4348	. 0788	. 4689	. 3244
#1	92. 16	14. 92	8. 666	51. 73	16. 48	687. 2	701. 0
#2	92. 54	15. 03	8. 722	52. 05	16. 50	691. 8	704. 2

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Method: SW846 Standard: T3CAL3  
Run Time: 08/25/07 02: 58: 51

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avg	254.0	26.27	204.0	329.9	119.1	1243.	510.4
SDev	1.1	.28	.3	2.0	.9	.	2.9
%RSD	.4224	1.081	.1458	.5922	.7178	.0343	.5700
#1	253.2	26.07	203.8	328.6	118.5	1242.	508.4
#2	254.8	26.47	204.3	331.3	119.7	1243.	512.5
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avg	146.6	51.96	398.6	132.3	548.8	200.8	290.3
SDev	.7	.07	2.7	.8	4.0	1.4	.5
%RSD	.4679	.1360	.6886	.5788	.7221	.6838	.1622
#1	146.1	51.91	396.6	131.7	546.0	199.9	290.6
#2	147.0	52.01	400.5	132.8	551.6	201.8	290.0
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Avg	208.7	110.9	122.6	71.55	27.33	97.52	260.2
SDev	.9	.8	1.0	.05	.23	.51	.6
%RSD	.4128	.6966	.8101	.0739	.8239	.5277	.2495
#1	208.1	110.3	121.9	71.58	27.17	97.16	260.7
#2	209.3	111.4	123.3	71.51	27.49	97.89	259.8
El em	2203/2	1960/1	1960/2	B_2496	La3988	Mo2020	Sn1899
Avg	442.9	309.4	180.7	30.22	17.53	102.9	32.59
SDev	.6	1.2	.1	.11	.05	.6	.19
%RSD	.1286	.3913	.0342	.3483	.2874	.5928	.5678
#1	442.5	310.2	180.7	30.14	17.50	102.5	32.46
#2	443.3	308.5	180.6	30.29	17.57	103.3	32.72
El em	Sr4215	Ti 3349					
Avg	1362.	1421.					
SDev	5.	2.					
%RSD	.3664	.1266					
#1	1359.	1420.					
#2	1366.	1422.					

Method: SW846 Slope = Conc(SIR) / IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
Al 3082	308.215	Multiple	Standards	993.759	-160.195	12/31/99 11:23:00

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Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
Sb2068	206.838	Multiple	Standards	76.2718	-11.0739	12/31/99 11:23:00
As1890	189.042	Multiple	Standards	48.4657	4.29420	12/31/99 11:23:00
Ba4934	493.409	Multiple	Standards	59.8313	-4.35462	12/31/99 11:23:00
Be3130	313.042	Multiple	Standards	16.5647	3.98395	12/31/99 11:23:00
Cd2265	226.502	Multiple	Standards	3.93086	-.515265	12/31/99 11:23:00
Ca3179	317.933	Multiple	Standards	482.697	-76.1232	12/31/99 11:23:00
Cr2677	267.716	Multiple	Standards	67.8054	-.915263	12/31/99 11:23:00
Co2286	228.616	Multiple	Standards	94.2722	1.33483	12/31/99 11:23:00
Cu3247	324.754	Multiple	Standards	63.6309	-5.97354	12/31/99 11:23:00
Fe2714	271.441	Multiple	Standards	1505.68	-12.9727	12/31/99 11:23:00
Mg2790	279.079	Multiple	Standards	467.161	-23.6906	12/31/99 11:23:00

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Mn2576	257.610	Multiple	Standards	49.3861	-.616125	12/31/99	11:23:00
Ni2316	231.604	Multiple	Standards	16.7723	-.341607	12/31/99	11:23:00
K_7664	766.491	T3CAL3	T3CAL- BLK	.890104	.873319	08/25/07	02:58:51
Ag3280	328.068	Multiple	Standards	22.9187	.410104	12/31/99	11:23:00
Na3302	330.232	T3CAL3	T3CAL- BLK	.952010	.075043	08/25/07	02:58:51
Tl1908	190.864	Multiple	Standards	137.118	5.77311	12/31/99	11:23:00
V_2924	292.402	Multiple	Standards	181.288	-1.84200	12/31/99	11:23:00
Zn2062	206.200	Multiple	Standards	151.138	-3.31322	12/31/99	11:23:00
2203/1	220.351	Multiple	Standards	76.4444	3.66127	12/31/99	11:23:00
2203/2	220.352	Multiple	Standards	44.4818	-1.58758	12/31/99	11:23:00
1960/1	196.021	Multiple	Standards	31.8516	19.1417	12/31/99	11:23:00
1960/2	196.022	Multiple	Standards	54.4801	-12.4286	12/31/99	11:23:00
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED	
Se1960	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED	
B_2496	249.678	Multiple	Standards	67.2643	-3.79957	12/31/99	11:23:00
La3988	398.852	Multiple	Standards	57.7132	-.441727	12/31/99	11:23:00
Mo2020	202.030	Multiple	Standards	48.3051	1.72165	12/31/99	11:23:00
Sn1899	189.989	Multiple	Standards	61.2556	-.240058	12/31/99	11:23:00
Sr4215	421.552	Multiple	Standards	7.29671	-.393947	12/31/99	11:23:00
Ti3349	334.941	Multiple	Standards	14.2632	.770245	12/31/99	11:23:00

Method: SW846

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	T3CAL- BLK	.000000	1.78323	-1.78323
		T3CAL1	25000.0	24818.4	181.561
		T3CAL2	125000.	125002.	-2.42188
		T3CAL3	250000.	252260.	-2259.73

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	T3CAL- BLK	.000000	.051426	-.051426
		T3CAL1	200.000	189.507	10.4931
		T3CAL2	1000.00	987.854	12.1464
		T3CAL3	2000.00	1992.90	7.10193

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	T3CAL- BLK	.000000	-.034977	.034977
		T3CAL1	1000.00	1005.09	-5.09009
		T3CAL2	5000.00	5063.03	-63.0332
		T3CAL3	10000.0	9893.35	106.649

CorCoef: 0.99992

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	T3CAL- BLK	.000000	-.094527	.094527
		T3CAL1	2000.00	2008.64	-8.64380
		T3CAL2	10000.0	10090.4	-90.4121
		T3CAL3	20000.0	19736.8	263.213

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	T3CAL- BLK	.000000	-.010322	.010322
		T3CAL1	200.000	200.887	-.887024
		T3CAL2	1000.00	1004.77	-4.76721
		T3CAL3	2000.00	1977.44	22.5596

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	T3CAL- BLK	.000000	-.094913	.094913

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		T3CAL1	500.000	512.492	-12.4922
		T3CAL2	2500.00	2531.17	-31.1685
		T3CAL3	5000.00	4883.99	116.008
CorCoef: 0.99982					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	T3CAL- BLK	.000000	-2.19119	2.19119
		T3CAL1	25000.0	25227.8	-227.752
		T3CAL2	125000.	125707.	-707.078
		T3CAL3	250000.	246308.	3691.67
CorCoef: 0.99994					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	T3CAL- BLK	.000000	-.015452	.015452
		T3CAL1	1000.00	1001.16	-1.15839
		T3CAL2	5000.00	5026.14	-26.1382
		T3CAL3	10000.0	9936.74	63.2578
CorCoef: 0.99998					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	T3CAL- BLK	.000000	-.055828	.055828
		T3CAL1	500.000	505.811	-5.81146
		T3CAL2	2500.00	2522.41	-22.4050
		T3CAL3	5000.00	4899.94	100.058
CorCoef: 0.99988					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.754	T3CAL- BLK	.000000	.400687	-.400687
		T3CAL1	2500.00	2454.18	45.8235
		T3CAL2	12500.0	12547.6	-47.6318
		T3CAL3	25000.0	25356.4	-356.375
CorCoef: 0.99998					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	T3CAL- BLK	.000000	-.418497	.418497
		T3CAL1	20000.0	20081.4	-81.3535
		T3CAL2	100000.	100700.	-699.578
		T3CAL3	200000.	199148.	851.891
CorCoef: 0.99998					
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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.079	T3CAL- BLK	.000000	7.02173	-7.02173
		T3CAL1	25000.0	24201.7	798.264
		T3CAL2	125000.	125813.	-813.211
		T3CAL3	250000.	256356.	-6356.22
CorCoef: 0.99995					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	T3CAL- BLK	.000000	-.034498	.034498
		T3CAL1	1000.00	1003.69	-3.68518
		T3CAL2	5000.00	5029.15	-29.1538
		T3CAL3	10000.0	9918.34	81.6611
CorCoef: 0.99997					
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	T3CAL- BLK	.000000	-.078907	.078907
		T3CAL1	500.000	507.201	-7.20126
		T3CAL2	2500.00	2512.30	-12.3035
		T3CAL3	5000.00	4868.48	131.524
CorCoef: 0.99986					

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	T3CAL- BLK T3CAL3	5.06840 186.669	4.71302 208.735	.355377 -22.0658
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	T3CAL- BLK T3CAL1 T3CAL2 T3CAL3	.000000 250.000 1250.00 2500.00	.048943 244.402 1257.18 2541.62	-.048943 5.59750 -7.17517 -41.6250
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	330.232	T3CAL- BLK T3CAL3	.153377 116.826	.082283 122.636	.071094 -5.81033
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	T3CAL- BLK T3CAL1 T3CAL2 T3CAL3	.000000 1000.00 5000.00 10000.0	-.084692 1007.83 5044.92 9816.19	.084692 -7.83282 -44.9199 183.807
CorCoef:	0.99989				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	T3CAL- BLK T3CAL1 T3CAL2 T3CAL3	.000000 500.000 2500.00 5000.00	.025124 492.939 2501.76 4952.87	-.025124 7.06116 -1.75684 47.1265
CorCoef:	0.99998				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	T3CAL- BLK T3CAL1 T3CAL2 T3CAL3	.000000 1500.00 7500.00 15000.0	-.270740 1529.67 7468.51 14736.2	.270740 -29.6658 31.4854 263.823
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CorCoef:	0.99997				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	T3CAL- BLK T3CAL1 T3CAL2 T3CAL3	.000000 2000.00 10000.0 20000.0	-.129629 2024.75 10095.4 19898.2	.129629 -24.7489 -95.4463 101.777
CorCoef:	0.99997				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	T3CAL- BLK T3CAL1 T3CAL2 T3CAL3	.000000 2000.00 10000.0 20000.0	-.084327 2002.85 10070.1 19697.4	.084327 -2.84961 -70.0527 302.615
CorCoef:	0.99993				
Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	T3CAL- BLK T3CAL1 T3CAL2 T3CAL3	.000000 1000.00 5000.00 10000.0	-.042679 1004.05 5048.75 9872.62	.042679 -4.05316 -48.7510 127.384
CorCoef:	0.99993				
			Known	Measured	Residual

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	T3CAL- BLK	.000000	.027224	-.027224
		T3CAL1	1000.00	986.822	13.1783
		T3CAL2	5000.00	5018.78	-18.7764
		T3CAL3	10000.0	9831.36	168.644

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	10.0000	.000000	10.0000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.026	NONE	.000000	.000000	.000000
		NONE	10.0000	.000000	10.0000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	T3CAL- BLK	.000000	.031898	-.031898
		T3CAL1	200.000	196.372	3.62764
		T3CAL2	1000.00	1003.75	-3.75110
		T3CAL3	2000.00	2028.77	-28.7739

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La3988	398.852	T3CAL- BLK	.000000	.012471	-.012471
		T3CAL1	100.000	98.5850	1.41504
		T3CAL2	500.000	501.320	-1.32025
		T3CAL3	1000.00	1011.51	-11.5099

CorCoef: 0.99999

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	T3CAL- BLK	.000000	-.011811	.011811
		T3CAL1	500.000	501.126	-1.12631
		T3CAL2	2500.00	2508.37	-8.37329
		T3CAL3	5000.00	4971.99	28.0093

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	T3CAL- BLK	.000000	-.000909	.000909
		T3CAL1	200.000	200.732	-.731598
		T3CAL2	1000.00	1009.62	-9.62079
		T3CAL3	2000.00	1996.24	3.75769

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	T3CAL- BLK	.000000	-.007254	.007254
		T3CAL1	1000.00	1000.26	-.258789
		T3CAL2	5000.00	5030.88	-30.8770
		T3CAL3	10000.0	9939.41	60.5908

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	T3CAL- BLK	.000000	.265426	-.265426
		T3CAL1	2000.00	1970.65	29.3479
		T3CAL2	10000.0	10021.8	-21.7959
		T3CAL3	20000.0	20266.8	-266.850

CorCoef: 0.99998

Method: SW846      Sample Name: HSA      Operator:



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 Comment: 8406  
 Mode: CONC Corr. Factor: 1

## Analysis Report

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El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	248700.	2018.	9785.	19460.	1965.	4829.	244400.
SDev	229.	8.	2.	.	1.	7.	307.
%RSD	. 0922	. 4006	. 0211	. 0015	. 0510	. 1390	. 1257
#1	248600.	2013.	9784.	19460.	1964.	4825.	244200.
#2	248900.	2024.	9787.	19460.	1965.	4834.	244600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	263600.	2109.	105400.	21090.	2109.	5274.	263700.
Low	236400.	1891.	9451.	18910.	1891.	4726.	236300.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9835.	4852.	24980.	196900.	253500.	9821.	4826.
SDev	10.	14.	5.	133.	189.	7.	12.
%RSD	. 1019	. 2919	. 0181	. 0677	. 0747	. 0742	. 2389
#1	9828.	4842.	24980.	196800.	253300.	9816.	4818.
#2	9842.	4862.	24980.	197000.	253600.	9827.	4835.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10540.	5274.	26360.	210900.	263700.	10540.	5274.
Low	9451.	4726.	23630.	189100.	236300.	9451.	4726.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	98750.	2504.	246000.	9700.	4941.	14670.	19520.
SDev	184.	1.	505.	31.	1.	27.	11.
%RSD	. 1866	. 0259	. 2054	. 3227	. 0281	. 1872	. 0579
#1	98620.	2504.	245700.	9678.	4942.	14650.	19520.
#2	98880.	2505.	246400.	9722.	4940.	14690.	19530.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	105400.	2637.	263700.	10540.	5274.	15810.	
Low	94510.	2363.	236300.	9451.	4726.	14190.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	19470.	9778.	9772.	19490.	9774.	2003.	998. 7
SDev	34.	4.	37.	26.	23.	1.	. 9
%RSD	. 1738	. 0443	. 3790	. 1351	. 2380	. 0379	. 0882
#1	19440.	9781.	9746.	19470.	9758.	2004.	998. 1
#2	19490.	9775.	9799.	19510.	9791.	2002.	999. 4
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				21100.	10540.	2108.	1054.
Low				18910.	9451.	1892.	945. 1
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	4919.	1974.	9806.	20070.			
SDev	7.	2.	7.	16.			
%RSD	. 1417	. 0915	. 0725	. 0782			

## Analysis Report

#1	4914.	1973.	9801.	20060.
#2	4924.	1975.	9811.	20080.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5272.	2108.	10540.	21080.
Low	4728.	1892.	9460.	18920.

Method: SW846 Sample Name: ICV/CCV1 Operator:  
 Run Time: 08/25/07 03:11:09  
 Comment: 8406  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128200.	986.9	4982.	10040.	1023.	2520.	128300.
SDev	253.	13.6	19.	39.	5.	1.	365.
%RSD	.1976	1.375	.3861	.3880	.4731	.0240	.2841
#1	128000.	977.3	4969.	10020.	1019.	2520.	128100.
#2	128300.	996.5	4996.	10070.	1026.	2521.	128600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	131800.	1054.	5274.	10550.	1054.	2637.	131800.
Low	118200.	945.1	4726.	9451.	945.1	2363.	118200.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5056.	2532.	12630.	102000.	127300.	5076.	2521.
SDev	13.	1.	55.	404.	528.	22.	8.
%RSD	.2528	.0389	.4339	.3958	.4148	.4359	.2977
#1	5047.	2532.	12590.	101700.	126900.	5061.	2526.
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#2	5065.	2531.	12670.	102300.	127600.	5092.	2516.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5274.	2637.	13180.	105500.	131800.	5274.	2636.
Low	4726.	2363.	11820.	94510.	118200.	4726.	2363.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49660.	1261.	123400.	5033.	2583.	7732.	10180.
SDev	53.	6.	687.	15.	13.	18.	36.
%RSD	.1074	.4561	.5569	.2945	.5013	.2315	.3574
#1	49620.	1257.	122900.	5022.	2574.	7720.	10200.
#2	49700.	1265.	123900.	5043.	2592.	7745.	10150.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	52740.	1318.	131800.	5274.	2637.	7908.	
Low	47260.	1182.	118200.	4726.	2363.	7089.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	10190.	5079.	5098.	10180.	5092.	1032.	518.0
SDev	46.	21.	27.	42.	25.	4.	1.2
%RSD	.4467	.4083	.5343	.4170	.4924	.4029	.2391

#1	10220.	5094.	5117.	10210.	5109.	1029.	517. 1
#2	10160.	5064.	5078.	10150.	5074.	1035.	518. 9
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Low				10550.	5274.	1054.	527. 4
				9451.	4726.	946. 0	472. 6
El em Units	Mo2020	Sn1899	Sr4215	Ti 3349			
Avge	ppb	ppb	ppb	ppb			
SDev	2509.	1005.	5082.	10170.			
%RSD	9.	8.	12.	4.			
	. 3517	. 8108	. 2450	. 0372			
#1	2503.	999. 3	5073.	10160.			
#2	2516.	1011.	5091.	10170.			
Errors High	LC Pass	LC Pass	LC Pass	LC Pass			
Low	2636.	1054.	5272.	10540.			
	2364.	946. 0	4728.	9455.			

Method: SW846 Sample Name: ICB/CCB1 Operator:  
 Run Time: 08/25/07 03: 17: 18  
 Comment: 8406  
 Mode: CONC Corr. Factor: 1

El em Units	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avge	ppb	ppb	ppb	ppb	ppb	ppb	ppb
SDev	1. 476	. 6535	1. 625	1. 295	. 0681	. 4547	-1. 340
%RSD	1. 309	. 8252	. 703	. 652	. 0438	. 0704	8. 641
	88. 70	126. 3	43. 25	50. 34	64. 33	15. 48	644. 9
#1	. 5503	. 0700	1. 128	. 8343	. 0371	. 5045	-7. 450
#2	2. 402	-1. 237	2. 122	1. 756	. 0990	. 4050	4. 770
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
	-200. 0	-10. 00	-5. 000	-100. 0	-2. 000	-4. 000	-1000.
El em Units	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Avge	ppb	ppb	ppb	ppb	ppb	ppb	ppb
SDev	. 8526	. 2225	1. 944	3. 385	8. 736	. 4784	. 3243
%RSD	. 2576	. 0137	. 894	14. 85	8. 518	. 3910	. 0468
	30. 21	6. 151	45. 99	438. 7	97. 51	81. 72	14. 43
#1	. 6705	. 2322	1. 312	-7. 117	2. 712	. 2019	. 3574
#2	1. 035	. 2129	2. 576	13. 89	14. 76	. 7549	. 2912
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	10. 00	50. 00	25. 00	150. 0	1000.	15. 00	40. 00
	-10. 00	-50. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00
El em Units	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Avge	ppb	ppb	ppb	ppb	ppb	ppb	ppb
SDev	333. 5	. 2636	240. 2	1. 657	. 7633	. 9282	. 3095
%RSD	22. 9	. 3421	61. 3	1. 482	. 2626	. 9981	1. 9671
	6. 876	129. 8	25. 52	89. 43	34. 40	107. 5	635. 5
#1	317. 3	. 5056	196. 8	2. 705	. 9490	. 2225	-1. 701
#2	349. 7	. 0217	283. 5	. 6093	. 5776	1. 634	1. 081
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Low	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
	-3000.	-10. 00	-3000.	-10. 00	-20. 00	-30. 00	

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 El em 2203/2 1960/1 1960/2 Pb2203 Se1960 B\_2496 La3988  
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Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.504	.1048	-1.721	.9054	-1.112	.6049	.2120
SDev	4.428	7.403	4.973	3.608	.852	1.223	.2087
%RSD	294.4	7063.	289.0	398.5	76.63	202.2	98.44
#1	-1.627	-5.130	1.796	-1.646	-.5094	-.2601	.0644
#2	4.635	5.340	-5.237	H3.457	-1.714	1.470	.3595
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				3.000	5.000	50.00	10.00
Low				-3.000	-5.000	-50.00	-5.000
El em	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avge	1.196	-1.630	.7340	1.741			
SDev	.477	.699	.2979	.547			
%RSD	39.83	42.86	40.59	31.43			
#1	1.533	-1.136	.5233	1.354			
#2	.8594	-2.124	.9446	2.128			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.00	20.00	50.00	20.00			
Low	-20.00	-20.00	-50.00	-20.00			

Method: SW846 Sample Name: ICSA1 Operator:  
 Run Time: 08/25/07 03: 23: 26  
 Comment: 8406  
 Mode: CONC Corr. Factor: 1

El em	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Analysis Report	08/25/07 03: 29: 31 AM page 230						
Avge	521300.	L-10.12	-6.394	.1987	-.0559	1.453	509800.
SDev	419.	4.02	2.518	.7083	.0404	.218	1082.
%RSD	.0804	39.74	39.39	356.4	72.15	14.98	.2123
#1	521000.	L-12.97	-4.613	.6995	-.0274	1.607	509000.
#2	521600.	-7.278	L-8.174	-.3021	-.0845	1.299	510600.
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	8.000	100.0	2.000	5.000	600000.
Low	400000.	-10.00	-8.000	-100.0	-2.000	-5.000	400000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.230	.4345	.0261	209200.	565200.	-.2855	10.21
SDev	.038	.4227	.9669	653.	2135.	.4155	.45
%RSD	1.710	97.28	3707.	.3121	.3777	145.5	4.386
#1	2.203	.7334	.7098	208700.	563700.	.0083	10.53
#2	2.257	.1356	-.6576	209600.	566700.	-.5793	9.893
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	20.00	25.00	240000.	600000.	15.00	40.00
Low	-10.00	-20.00	-25.00	160000.	400000.	-15.00	-40.00
El em	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1

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Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	339. 1	- . 2261	301. 5	- 2. 922	- 1. 673	2. 865	14. 68	
SDev	20. 6	. 4863	140. 7	7. 228	1. 183	. 074	2. 85	
%RSD	6. 083	215. 1	46. 67	247. 3	70. 68	2. 570	19. 45	
#1	353. 6	- . 5700	401. 0	- 8. 033	- . 8370	2. 917	16. 70	
#2	324. 5	. 1177	202. 0	2. 189	- 2. 510	2. 813	12. 66	
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	
Hi gh	5000.	10. 00	5000.	10. 00	20. 00	30. 00		
Low	- 5000.	- 10. 00	- 5000.	- 10. 00	- 20. 00	- 30. 00		
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988	
Units				ppb	ppb	ppb	ppb	
Avge	- 22. 77	- 11. 68	- 1. 387	L- 10. 29	- 4. 813	- . 5747	- . 9339	
SDev	2. 97	3. 08	8. 379	1. 03	6. 615	1. 0012	. 0020	
%RSD	13. 04	26. 39	604. 2	10. 01	137. 4	174. 2	. 2107	
#1	- 24. 87	- 9. 498	4. 538	L- 11. 02	- . 1352	- 1. 283	- . 9353	
#2	- 20. 67	- 13. 86	- 7. 311	L- 9. 564	- 9. 490	. 1333	- . 9325	
Errors	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Pass	NOCHECK	LC Pass	
Hi gh				5. 000	10. 00		20. 00	
Low				- 5. 000	- 10. 00		- 20. 00	
El em	Mo2020	Sn1899	Sr4215	Ti 3349				
Units	ppb	ppb	ppb	ppb				
Avge	- . 7002	- 1. 218	1. 709	- 8. 537				
SDev	. 7380	. 743	. 343	. 725				
%RSD	105. 4	61. 01	20. 07	8. 487				
#1	- 1. 222	- 1. 743	1. 952	- 8. 025				
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#2	- . 1783	- . 6924	1. 467	- 9. 049				
Errors	LC Pass	LC Pass	LC Pass	LC Pass				
Hi gh	20. 00	50. 00	20. 00	20. 00				
Low	- 20. 00	- 50. 00	- 20. 00	- 20. 00				

Method: SW846 Sample Name: ICSAB1 Operator:  
 Run Time: 08/25/07 03: 29: 35  
 Comment: 8406  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	525500.	98. 70	100. 6	107. 8	103. 9	101. 2	513900.
SDev	738.	5. 48	2. 2	. 4	. 0	. 1	792.
%RSD	. 1405	5. 553	2. 195	. 3273	. 0393	. 1264	. 1540
#1	525000.	94. 82	102. 2	108. 0	103. 9	101. 3	514500.
#2	526000.	102. 6	99. 07	107. 5	103. 8	101. 1	513400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	600000.	120. 0	120. 0	120. 0	120. 0	120. 0	600000.
Low	400000.	80. 00	80. 00	80. 00	80. 00	80. 00	400000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	105. 2	100. 7	106. 4	210800.	566900.	103. 9	110. 3
SDev	. 3	. 0	. 3	369.	37.	. 4	. 1
%RSD	. 2379	. 0475	. 2426	. 1750	. 0066	. 3475	. 0537

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#1	105.3	100.8	106.5	211100.	567000.	104.1	110.3
#2	105.0	100.7	106.2	210600.	566900.	103.6	110.2
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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	120.0	240000.	600000.	120.0	120.0
Low	80.00	80.00	80.00	160000.	400000.	80.00	80.00
Elem	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	10550.	105.2	10370.	99.50	104.0	103.1	111.2
SDev	40.	.5	10.	9.37	1.0	.1	.4
%RSD	.3775	.4448	.0925	9.419	.9702	.1278	.4016
#1	10530.	105.5	10370.	106.1	103.3	103.0	111.5
#2	10580.	104.8	10380.	92.87	104.7	103.2	110.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	12000.	120.0	12000.	120.0	120.0	120.0	
Low	800.0	80.00	800.0	80.00	80.00	80.00	
Elem	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	83.68	85.56	102.4	92.84	96.79	107.1	-1.164
SDev	4.02	11.96	1.2	2.83	3.20	1.1	.425
%RSD	4.800	13.98	1.141	3.051	3.310	.9828	36.48
#1	86.52	77.10	103.2	94.84	94.53	107.9	-.8641
#2	80.84	94.01	101.6	90.84	99.06	106.4	-1.465
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
High				120.0	120.0	120.0	
Low				80.00	80.00	80.00	
Elem	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avg	103.4	106.9	111.6	96.08			
SDev	.3	4.4	.0	.29			
%RSD	.2635	4.126	.0350	.3058			
#1	103.2	103.8	111.6	96.29			
#2	103.6	110.0	111.5	95.87			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	120.0	120.0	120.0	120.0			
Low	80.00	80.00	80.00	80.00			
-----							
Method:	SW846	Sample Name:	MCL	Operator:			
Run Time:	08/25/07	03:35:45					
Comment:	8406						
Mode:	CONC	Corr. Factor:	1				
Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	454.4	7.673	10.16	10.15	10.57	10.75	2296.
SDev	62.7	.912	.59	.23	.02	.07	70.
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%RSD	13.80	11.89	5.795	2.291	.2014	.6118	3.062

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#1	498. 7	8. 318	9. 744	10. 31	10. 59	10. 70	2345.
#2	410. 0	7. 028	10. 58	9. 984	10. 56	10. 79	2246.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10. 22	11. 21	10. 29	197. 3	2133.	10. 19	9. 716
SDev	. 33	. 49	. 27	37. 6	62.	. 12	. 990
%RSD	3. 222	4. 405	2. 658	19. 05	2. 906	1. 166	10. 19
#1	10. 45	11. 56	10. 48	223. 8	2177.	10. 27	10. 42
#2	9. 983	10. 86	10. 10	170. 7	2090.	10. 10	9. 016
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4937.	8. 920	5022.	9. 502	8. 852	12. 39	11. 28
SDev	7.	. 289	58.	4. 515	. 418	. 69	1. 46
%RSD	. 1376	3. 243	1. 162	47. 52	4. 721	5. 558	12. 91
#1	4942.	9. 124	4981.	6. 309	9. 147	12. 88	12. 31
#2	4932.	8. 715	5064.	12. 69	8. 556	11. 90	10. 25
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9. 455	17. 16	6. 680	10. 07	10. 17	50. 61	- 1. 320
SDev	2. 103	3. 85	2. 096	. 92	2. 68	. 95	1. 086
%RSD	22. 25	22. 46	31. 37	9. 120	26. 37	1. 874	82. 27
#1	7. 967	14. 43	5. 198	9. 418	8. 274	51. 28	- . 5523
#2	10. 94	19. 88	8. 162	10. 72	12. 07	49. 94	- 2. 088
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avg	114. 3	102. 7	103. 0	110. 7			
SDev	. 1	. 7	. 1	. 4			
%RSD	. 1132	. 7147	. 0531	. 3218			
#1	114. 4	102. 2	103. 0	111. 0			
#2	114. 2	103. 2	103. 0	110. 5			

Method: SW846

Sample Name: MCL- 2

Operator:

Run Time: 08/25/07 03: 41: 54

Comment:

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123. 7	2. 467	3. 684	4. 630	5. 327	5. 183	1096.
SDev	1. 5	2. 830	1. 640	. 081	. 023	. 142	.
%RSD	1. 235	114. 7	44. 50	1. 748	. 4382	2. 744	. 0008

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#1	124. 8	4. 468	4. 844	4. 573	5. 344	5. 284	1096.
#2	122. 6	. 4658	2. 525	4. 687	5. 311	5. 083	1096.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4. 932	4. 993	5. 255	79. 84	1036.	4. 775	5. 147
SDev	. 164	. 314	. 004	14. 15	8.	. 011	. 553
%RSD	3. 335	6. 293	. 0809	17. 73	. 7598	. 2366	10. 74
#1	5. 048	5. 215	5. 252	69. 83	1030.	4. 783	5. 538
#2	4. 815	4. 770	5. 258	89. 85	1041.	4. 767	4. 756

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El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	2648.	4. 420	2659.	3. 255	3. 563	5. 216	7. 607
SDev	8.	. 130	78.	1. 360	. 494	. 037	4. 218
%RSD	. 3040	2. 938	2. 926	41. 78	13. 86	. 7057	55. 45
#1	2654.	4. 328	2714.	4. 216	3. 912	5. 190	10. 59
#2	2642.	4. 512	2604.	2. 293	3. 213	5. 242	4. 624
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	7. 074	6. 704	- 2. 139	7. 255	. 8065	25. 67	- . 6128
SDev	3. 028	3. 424	1. 782	. 615	2. 329	1. 07	. 2420
%RSD	42. 81	51. 07	83. 32	8. 479	288. 8	4. 171	39. 48
#1	4. 933	9. 125	- . 8789	6. 820	2. 453	24. 92	- . 7839
#2	9. 215	4. 283	- 3. 400	7. 690	- . 8404	26. 43	- . 4417
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	57. 57	52. 02	51. 44	55. 32			
SDev	1. 21	. 37	. 07	. 01			
%RSD	2. 108	. 7196	. 1396	. 0242			
#1	58. 43	52. 28	51. 49	55. 33			
#2	56. 72	51. 75	51. 39	55. 31			

Method: SW846 Sample Name: INT- 20  
 Run Time: 08/25/07 03: 48: 04  
 Comment: 8406  
 Mode: CONC Corr. Factor: 1

Operator:

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- 35. 88	- 39. 02	13. 02	- . 5283	- . 8445	- 3. 943	36. 75
SDev	. 39	4. 72	2. 70	. 1434	. 1728	. 112	5. 57
%RSD	1. 090	12. 10	20. 73	27. 15	20. 46	2. 848	15. 17
#1	- 36. 16	- 35. 68	11. 11	- . 4269	- . 9667	- 3. 863	40. 69
#2	- 35. 60	- 42. 36	14. 93	- . 6297	- . 7223	- 4. 022	32. 81
Analysi s	Report			08/25/07 03: 54: 09 AM			page 239

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20870.	20970.	1. 870	5. 175	- 40. 56	20380.	21220.
SDev	31.	23.	. 238	8. 348	3. 14	20.	21.
%RSD	. 1505	. 1101	12. 72	161. 3	7. 739	. 0997	. 0984
#1	20890.	20990.	2. 038	11. 08	- 38. 34	20390.	21240.
#2	20850.	20950.	1. 701	- . 7274	- 42. 78	20360.	21210.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	338. 2	. 5004	- 9. 591	- 1. 610	20720.	10. 13	7. 678
SDev	20. 9	. 3169	20. 358	1. 157	25.	. 28	2. 512
%RSD	6. 188	63. 32	212. 3	71. 86	. 1196	2. 731	32. 72
#1	353. 0	. 7245	- 23. 99	- . 7918	20740.	10. 33	5. 902
#2	323. 4	. 2763	4. 804	- 2. 428	20700.	9. 935	9. 454

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
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23123NT2. txt

Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	-2.399	2.905	-1.747	.9584	-.1971	12.91	5273.
SDev	1.147	.062	1.577	1.602	1.0310	.70	5.
%RSD	47.82	2.149	90.24	167.1	523.1	5.454	.0934
#1	-3.211	2.861	-.6324	-.1742	.5320	12.41	5276.
#2	-1.588	2.950	-2.863	2.091	-.9261	13.41	5269.
Element	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avg	20650.	21200.	19510.	20710.			
SDev	26.	46.	6.	1.			
%RSD	.1237	.2147	.0319	.0072			
#1	20670.	21230.	19510.	20710.			
#2	20630.	21170.	19500.	20710.			

Method: SW846 Sample Name: 854043-5 Operator:

Run Time: 08/25/07 03:54:14

Comment:

Mode: CONC Corr. Factor: 1

Element	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128.7	-4.108	-4.086	7.765	-.0221	-.1226	4418.
SDev	.2	.979	1.025	.061	.0012	.0795	4.
%RSD	.1502	23.82	25.08	.7854	5.448	64.86	.0838
#1	128.6	-4.800	-3.361	7.722	-.0229	-.0664	4421.
#2	128.8	-3.416	-4.810	7.808	-.0212	-.1788	4415.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
Element	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.421	3.519	.4712	-1.039	2209.	59.99	5.296
SDev	.087	.253	.1625	13.392	5.	.57	.632
%RSD	3.582	7.195	34.48	1289.	.2154	.9511	11.93
#1	2.359	3.340	.3563	8.431	2212.	59.58	4.850
#2	2.482	3.698	.5861	-10.51	2206.	60.39	5.743
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
Element	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	801.5	.4212	H295700.	-1.255	2.307	11.20	2.921
SDev	1.5	.0782	1399.	3.174	.112	.23	1.823
%RSD	.1831	18.56	.4732	252.8	4.835	2.061	62.40
#1	800.5	.4765	H294700.	.9889	2.228	11.36	4.210
#2	802.6	.3659	H296600.	-3.499	2.386	11.04	1.632
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
Element	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.440	3.297	-3.492	4.607	-1.230	57.90	.4496

SDev	3.416	.263	.876	1.671	.497	1.91	.7101
%RSD	62.79	7.981	25.08	36.28	40.36	3.305	157.9
#1	3.025	3.111	-2.873	3.425	-.8793	56.55	.9517
#2	7.856	3.484	-4.112	5.789	-1.582	59.26	-.0525

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Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Errors Low				-6.000	-10.00	-50.00	-20.00
Element Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb			
Avg	6.149	9.686	37.72	3.197			
SDev	.732	.017	.40	.356			
%RSD	11.91	.1759	1.055	11.13			
#1	6.667	9.698	37.44	2.945			
#2	5.631	9.674	38.00	3.449			
Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.			
Errors Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846 Sample Name: 854044-5 Operator:  
 Run Time: 08/25/07 04:00:24  
 Comment:  
 Mode: CONC Corr. Factor: 1

Element Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avg	89.16	240.6	-.5901	170.7	.0351	-.0972	85170.
SDev	1.94	2.5	1.5241	.2	.0343	.0009	265.
%RSD	2.180	1.053	258.3	.1210	97.71	.9655	.3112
#1	90.54	238.8	-1.668	170.6	.0109	-.0978	85360.
#2	87.79	242.4	.4876	170.9	.0594	-.0965	84980.

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Errors High	LC Pass 250000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.	LC Pass 2000.	LC Pass 5000.	LC Pass 250000.
Errors Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
Element Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni2316 ppb
Avg	.2709	6.171	.4014	265.3	4588.	1037.	12.65
SDev	.1289	.040	.0319	1.4	12.	2.	.97
%RSD	47.59	.6512	7.947	.5095	.2526	.1818	7.641
#1	.3620	6.143	.3788	264.4	4596.	1039.	13.34
#2	.1797	6.199	.4239	266.3	4579.	1036.	11.97
Errors High	LC Pass 10000.	LC Pass 5000.	LC Pass 25000.	LC Pass 200000.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.
Errors Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
Element Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avg	1315.	.0254	H301400.	.0895	.1800	234.3	76.16
SDev	3.	.5755	780.	1.547	1.101	1.3	.87

%RSD	. 2102	2265.	. 2587	1729.	611. 6	. 5494	1. 144
#1	1317.	- . 3815	H302000.	- 1. 005	. 9586	235. 2	75. 55
#2	1314.	. 4324	H300900.	1. 184	- . 5986	233. 4	76. 78
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
Element	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	77. 67	1. 475	- . 2207	77. 17	. 3448	38. 98	5. 461
SDev	. 73	3. 661	. 5626	. 20	. 8438	. 28	. 344
%RSD	. 9394	248. 2	254. 9	. 2554	244. 7	. 7256	6. 303
#1	78. 19	- 1. 114	. 1771	77. 31	- . 2518	39. 18	5. 705
#2	77. 16	4. 063	- . 6186	77. 03	. 9414	38. 78	5. 218
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
Element	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avg	1. 043	4. 518	228. 5	. 2343			
SDev	. 698	. 169	. 3	. 0911			
%RSD	66. 95	3. 740	. 1101	38. 89			
#1	1. 536	4. 638	228. 3	. 2988			
#2	. 5491	4. 399	228. 6	. 1699			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 854045- 5 Operator:  
 Run Time: 08/25/07 04: 06: 35  
 Comment: 8381  
 Mode: CONC Corr. Factor: 1

Element	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	105. 1	- 5. 668	- 1. 941	50. 83	. 0881	- . 1002	22520.
SDev	2. 0	. 858	2. 210	. 11	. 0709	. 0120	140.
%RSD	1. 922	15. 14	113. 9	. 2205	80. 53	11. 94	. 6225
#1	106. 6	- 6. 275	- . 3781	50. 91	. 1382	- . 0917	22420.
#2	103. 7	- 5. 061	- 3. 503	50. 75	. 0379	- . 1086	22620.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
Element	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	. 2315	3. 381	- . 0792	3779.	1906.	329. 1	8. 222
SDev	. 4765	. 332	. 1807	21.	6.	1. 9	. 398
%RSD	205. 9	9. 823	228. 2	. 5572	. 3188	. 5638	4. 841
#1	. 5684	3. 146	- . 2069	3764.	1902.	327. 8	8. 503
#2	- . 1055	3. 615	. 0486	3794.	1911.	330. 4	7. 941
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.

23123NT2. txt							
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em Uni ts Avge Analysi s	K_7664 ppb 926. 6 Report	Ag3280 ppb -. 1824	Na3302 ppb H290200.	Tl 1908 ppb - 1. 844	V_2924 ppb - 1. 278	Zn2062 ppb 85. 53	2203/1 49. 83 page 247
SDev %RSD	9. 3 1. 007	. 1288 70. 59	102. . 0353	. 968 52. 48	. 130 10. 17	. 13 . 1476	2. 46 4. 942
#1 #2	920. 0 933. 2	-. 2735 -. 0914	H290100. H290200.	- 1. 160 - 2. 528	- 1. 186 - 1. 370	85. 44 85. 62	51. 57 48. 09
Errors Hi gh Low	LC Pass 100000. - 2500.	LC Pass 2500. - 10. 00	LC Hi gh 250000. - 2500.	LC Pass 10000. - 10. 00	LC Pass 5000. - 20. 00	LC Pass 15000. - 30. 00	NOCHECK
El em Uni ts Avge SDev %RSD	2203/2 44. 76 5. 61 12. 53	1960/1 5. 447 . 443 8. 126	1960/2 - 5. 471 2. 385 43. 60	Pb2203 ppb 46. 46 2. 92 6. 289	Se1960 ppb - 1. 834 1. 739 94. 83	B_2496 ppb 20. 01 . 67 3. 339	La3988 ppb -. 7287 . 2436 33. 42
#1 #2	40. 80 48. 73	5. 134 5. 760	- 7. 158 - 3. 784	44. 39 48. 52	- 3. 064 -. 6041	19. 54 20. 48	-. 5565 -. 9009
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. - 6. 000	LC Pass 10000. - 10. 00	LC Pass 2000. - 50. 00	LC Pass 2000. - 20. 00
El em Uni ts Avge SDev %RSD	Mo2020 ppb . 5448 . 5098 93. 58	Sn1899 ppb 3. 232 2. 413 74. 65	Sr4215 ppb 92. 73 . 12 . 1301	Ti 3349 ppb . 0032 . 1708 5373.			
#1 #2	. 9052 . 1843	1. 526 4. 938	92. 65 92. 82	. 1239 -. 1176			
Errors Hi gh Low	LC Pass 5000. - 20. 00	LC Pass 2000. - 50. 00	LC Pass 10000. - 50. 00	LC Pass 20000. - 20. 00			

Method: SW846      Sample Name: 854046- 5      Operator:  
Run Time: 08/25/07 04: 12: 45  
Comment: 8381  
Mode: CONC      Corr. Factor: 1

El em Uni ts Avge SDev %RSD	Al 3082 ppb 342. 5 2. 1 . 6166	Sb2068 ppb - 2. 240 1. 422 63. 49	As1890 ppb - 1. 555 1. 530 98. 36	Ba4934 ppb 32. 25 . 16 . 5007	Be3130 ppb . 0133 . 0168 125. 9	Cd2265 ppb . 1925 . 1506 78. 24	Ca3179 ppb 25630. 79. . 3081
#1 #2	341. 0 343. 9	- 3. 246 - 1. 235	- 2. 637 -. 4734	32. 37 32. 14	. 0015 . 0252	. 2989 . 0860	25690. 25580.
Errors Hi gh Low	LC Pass 250000. - 200. 0	LC Pass 2000. - 10. 00	LC Pass 10000. - 5. 000	LC Pass 20000. - 20. 00	LC Pass 2000. - 3. 000	LC Pass 5000. - 5. 000	LC Pass 250000. - 1000.

El em Uni ts	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
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23123NT2.txt

Avge	. . 0535	1. 216	. 7129	34. 02	2599.	102. 0	4. 170
SDev	. 5624	. 456	. 3511	1. 07	5.	. 3	. 764
%RSD	1052.	37. 53	49. 26	3. 137	. 1879	. 2903	18. 31
#1	. 3442	. 8933	. 9611	34. 77	2603.	102. 2	4. 709
#2	- . 4512	1. 539	. 4646	33. 26	2596.	101. 8	3. 630
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	830. 2	. 6117	H287800.	- 4. 333	. 9106	51. 09	30. 33
SDev	6. 2	. 3168	384.	. 949	. 1260	. 41	1. 85
%RSD	. 7422	51. 79	. 1334	21. 90	13. 84	. 8054	6. 088
#1	834. 5	. 8357	H287500.	- 3. 662	. 8215	51. 38	31. 63
#2	825. 8	. 3877	H288100.	- 5. 004	. 9997	50. 80	29. 02
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	32. 43	- . 5960	1. 463	31. 73	. 7784	27. 69	- . 0187
SDev	1. 04	. 9733	1. 169	1. 31	. 4556	2. 04	. 8376
%RSD	3. 211	163. 3	79. 90	4. 126	58. 53	7. 374	4483.
#1	33. 17	. 0923	. 6365	32. 66	. 4562	29. 14	. 5736
#2	31. 69	- 1. 284	2. 290	30. 81	1. 100	26. 25	- . 6110

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	. 7773	3. 592	100. 7	. 1208			
SDev	. 0667	2. 455	. 1	. 2957			
%RSD	8. 577	68. 35	. 0739	244. 7			
#1	. 7302	5. 328	100. 8	. 3299			
#2	. 8245	1. 856	100. 7	- . 0882			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846

Sample Name: 854047- 5

Operator:

Run Time: 08/25/07 04: 18: 55

Comment: 15049

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54. 20	- 3. 311	- 2. 380	44. 52	- . 0812	. 1109	25020.
SDev	2. 46	4. 147	1. 685	. 17	. 0654	. 0772	146.
%RSD	4. 534	125. 2	70. 81	. 3856	80. 63	69. 62	. 5820

#1	52. 46	- . 3786	-3. 572	44. 64	- . 1274	. 0563	25130.
#2	55. 94	-6. 243	-1. 188	44. 39	- . 0349	. 1655	24920.
Errors Analysis	LC Pass Report	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
				08/25/07	04: 24: 59 AM		page 252
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.
El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avg	. 3514	3. 013	. 0318	474. 2	6075.	160. 2	6. 902
SDev	. 8892	. 661	. 5275	23. 4	36.	. 9	. 058
%RSD	253. 0	21. 92	1659.	4. 928	. 5846	. 5418	. 8383
#1	. 2774	3. 480	. 4048	490. 7	6100.	160. 8	6. 861
#2	- . 9802	2. 546	- . 3412	457. 6	6050.	159. 6	6. 943
Errors High	LC Pass 10000.	LC Pass 5000.	LC Pass 25000.	LC Pass 200000.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00
El em Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avg	1360.	- . 4234	H284000.	-2. 022	- . 9457	160. 4	27. 28
SDev	24.	. 4503	113.	3. 072	. 2619	1. 4	. 39
%RSD	1. 791	106. 4	. 0399	151. 9	27. 69	. 8537	1. 434
#1	1377.	- . 1050	H284100.	-4. 194	- . 7605	161. 4	27. 56
#2	1343.	- . 7418	H284000.	. 1503	-1. 131	159. 5	27. 01
Errors High	LC Pass 100000.	LC Pass 2500.	LC High 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avg	25. 91	6. 912	-2. 567	26. 37	. 5908	53. 03	- . 3525
SDev	. 98	8. 364	1. 471	. 78	1. 805	1. 09	1. 3094
%RSD	3. 771	121. 0	57. 28	2. 965	305. 5	2. 049	371. 4
#1	26. 60	. 9983	-1. 527	26. 93	- . 6854	52. 26	. 5733
#2	25. 22	12. 83	-3. 607	25. 82	1. 867	53. 80	-1. 278
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				-6. 000	-10. 00	-50. 00	-20. 00
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avg	. 1053	3. 116	96. 80	- . 3436			
SDev	. 8174	1. 952	. 13	. 1876			
%RSD	776. 3	62. 66	. 1329	54. 59			
#1	. 6833	1. 735	96. 89	- . 2110			
#2	- . 4727	4. 496	96. 71	- . 4762			
Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.			
Low	-20. 00	-50. 00	-50. 00	-20. 00			

Method: SW846 Sample Name: CCV2  
Run Time: 08/25/07 04: 25: 03

Operator:

Comment: 8406

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	129200.	1002.	4959.	10190.	1025.	2473.	128300.
SDev	434.	4.	12.	25.	1.	4.	192.
%RSD	. 3357	. 4240	. 2332	. 2405	. 1198	. 1620	. 1498
#1	128900.	999. 3	4967.	10180.	1026.	2476.	128400.
#2	129500.	1005.	4951.	10210.	1024.	2470.	128100.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895. 0	4475.	8950.	895. 0	2238.	112000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5180.	2520.	12890.	102900.	128600.	5118.	2563.
SDev	7.	1.	52.	25.	25.	.	8.
%RSD	. 1421	. 0536	. 4016	. 0242	. 0195	. 0050	. 3118
#1	5185.	2521.	12850.	102900.	128600.	5118.	2569.
#2	5175.	2519.	12920.	102900.	128600.	5118.	2557.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	50490.	1277.	125700.	5004.	2612.	7719.	10120.
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SDev	503.	3.	633.	24.	3.	21.	30.
%RSD	. 9971	. 2438	. 5034	. 4835	. 1194	. 2711	. 2964
#1	50140.	1275.	125200.	5022.	2610.	7734.	10140.
#2	50850.	1279.	126100.	4987.	2615.	7704.	10100.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	10200.	5036.	5065.	10170.	5056.	1037.	521. 8
SDev	48.	14.	8.	42.	10.	3.	. 1
%RSD	. 4668	. 2718	. 1588	. 4104	. 1963	. 2488	. 0284
#1	10230.	5046.	5071.	10200.	5063.	1035.	521. 7
#2	10160.	5027.	5060.	10140.	5049.	1039.	521. 9
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				11050.	5525.	1104.	552. 5
Low				8951.	4475.	896. 0	447. 5
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avg	2518.	1004.	5128.	10080.			
SDev	1.	3.	9.	3.			
%RSD	. 0501	. 2957	. 1775	. 0272			

#1	2519.	1006.	5121.	10080.
#2	2518.	1002.	5134.	10080.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	1104.	5520.	11040.
Low	2239.	896. 0	4478.	8960.

Method: SW846      Sample Name: CCB2      Operator:  
 Run Time: 08/25/07 04:31:12  
 Comment: 8406  
 Mode: CONC      Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-15. 26	-3. 218	- . 5268	. 2559	- . 0200	- . 1275	-9. 031
SDev	7. 14	2. 177	1. 3880	. 4003	. 0852	. 1255	6. 146
%RSD	46. 80	67. 66	263. 5	156. 4	426. 4	98. 45	68. 05

#1	-20. 31	-1. 678	-1. 508	- . 0272	- . 0803	- . 0387	-13. 38
#2	-10. 21	-4. 757	. 4546	. 5389	. 0403	- . 2162	-4. 686

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
Low	-200. 0	-10. 00	-5. 000	-100. 0	-2. 000	-4. 000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 0444	- . 2294	. 6986	-18. 82	-7. 748	- . 0622	- . 7100
SDev	. 1427	. 5245	. 3771	2. 11	5. 758	. 1687	. 2176
%RSD	321. 7	228. 7	53. 98	11. 19	74. 31	271. 4	30. 65

#1	. 1452	- . 6002	. 4319	-17. 33	-11. 82	- . 1815	- . 5561
#2	- . 0565	. 1415	. 9652	-20. 31	-3. 677	. 0571	- . 8639

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10. 00	50. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	-10. 00	-50. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	279. 4	- . 2837	291. 7	1. 821	-1. 486	- . 2910	5. 418
SDev	3. 6	. 5078	31. 2	6. 533	. 747	. 3043	2. 788
%RSD	1. 272	179. 0	10. 70	358. 8	50. 30	104. 6	51. 45

#1	281. 9	- . 6427	313. 8	-2. 799	-2. 014	- . 5062	3. 447
#2	276. 9	. 0754	269. 6	6. 440	- . 9574	- . 0758	7. 389

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	-3000.	-10. 00	-3000.	-10. 00	-20. 00	-30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	. 9042	4. 765	-1. 252	2. 413	. 7524	-1. 110	-1. 005
SDev	3. 032	2. 257	1. 886	2. 950	2. 010	. 178	. 158
%RSD	335. 3	47. 37	150. 6	122. 3	267. 1	16. 08	15. 70

#1	-1. 240	3. 169	-2. 586	. 3270	- . 6685	-1. 236	- . 8930
#2	3. 048	6. 361	. 0813	H4. 499	2. 173	- . 9834	-1. 116

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
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Hi gh 3. 000 5. 000 50. 00 10. 00  
 Low -3. 000 -5. 000 -50. 00 -5. 000

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	. 6147	1. 403	. 2251	. 6724
SDev	. 2969	. 216	. 1896	. 4134
%RSD	48. 30	15. 38	84. 21	61. 48

#1	. 8246	1. 556	. 0911	. 3801
#2	. 4047	1. 251	. 3592	. 9647

Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	20. 00	20. 00	50. 00	20. 00
Low	-20. 00	-20. 00	-50. 00	-20. 00

Method: SW846 Sample Name: 853038- 080 Operator:  
 Run Time: 08/25/07 04: 37: 21  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51. 93	-5. 452	1. 913	78. 18	-. 0255	-. 0559	82740.
SDev	1. 29	. 774	1. 170	. 02	. 0515	. 0802	38.
%RSD	2. 483	14. 19	61. 17	. 0214	201. 6	143. 5	. 0460

#1	52. 85	-5. 999	1. 086	78. 17	. 0109	. 0008	82710.
#2	51. 02	-4. 905	2. 740	78. 19	-. 0619	-. 1126	82770.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Analysis	Report			08/25/07	04: 43: 26 AM		page 260

Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	. 4110	1. 752	2. 280	45. 55	20140.	. 3965	5. 340
SDev	. 5659	. 261	. 089	. 88	24.	. 0384	. 157
%RSD	137. 7	14. 92	3. 906	1. 939	. 1185	9. 684	2. 945

#1	. 8111	1. 937	2. 343	44. 93	20120.	. 4237	5. 229
#2	. 0108	1. 567	2. 217	46. 18	20160.	. 3694	5. 451

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	1718.	-. 2508	26600.	-. 8460	-. 5050	1. 591	-1. 185
SDev	21.	. 2710	152.	3. 6777	. 8698	. 436	4. 080
%RSD	1. 244	108. 1	. 5703	434. 7	172. 2	27. 44	344. 3

#1	1733.	-. 4424	26710.	1. 755	-1. 120	1. 899	-4. 070
#2	1703.	-. 0592	26490.	-3. 447	. 1100	1. 282	1. 700

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
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Units				ppb	ppb	ppb	ppb
Avge	. 3129	17. 25	2. 023	- . 1805	7. 093	109. 1	- 1. 258
SDev	3. 294	4. 53	. 975	. 8378	. 858	1. 1	. 915
%RSD	1053.	26. 27	48. 21	464. 1	12. 10	. 9714	72. 71
#1	2. 642	20. 45	1. 333	. 4119	7. 700	109. 9	- . 6112
#2	- 2. 016	14. 04	2. 713	- . 7730	6. 486	108. 4	- 1. 905
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	1. 321	1. 914	1258.	- . 2153			
SDev	. 499	. 417	4.	. 2155			
%RSD	37. 80	21. 80	. 3097	100. 1			
#1	1. 674	1. 619	1255.	- . 0630			
#2	. 9681	2. 209	1261.	- . 3677			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 853040 Operator:  
 Run Time: 08/25/07 04: 43: 30  
 Comment: 8381  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- 28. 67	- 3. 473	1. 156	74. 72	- . 0773	- . 1500	78400.
SDev	1. 69	1. 498	. 979	. 06	. 0228	. 1343	196.
%RSD	5. 896	43. 12	84. 63	. 0867	29. 47	89. 55	. 2501
#1	- 27. 48	- 4. 533	. 4644	74. 67	- . 0934	- . 0550	78540.
#2	- 29. 87	- 2. 414	1. 848	74. 77	- . 0612	- . 2449	78260.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 4092	1. 980	2. 028	2. 239	19080.	- . 1398	9. 196
SDev	. 3710	. 979	. 350	14. 58	30.	. 2017	1. 082
%RSD	90. 66	49. 43	17. 28	651. 4	. 1585	144. 3	11. 77
#1	. 6715	1. 288	2. 276	12. 55	19100.	. 0028	9. 962
#2	. 1469	2. 672	1. 781	- 8. 073	19060.	- . 2825	8. 431
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	1654.	. 0078	36730.	4. 362	- . 0654	4. 018	. 2365

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SDev	14.	. 4737	231.	2. 188	1. 0049	. 808	1. 999
%RSD	. 8358	6053.	. 6279	50. 14	1537.	20. 10	845. 4

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#1	1645.	- . 3272	36560.	5. 909	- . 7760	4. 589	- 1. 177
#2	1664.	. 3428	36890.	2. 816	. 6452	3. 447	1. 650
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	2. 804	5. 358	- 1. 320	1. 953	. 9050	103. 3	- . 3299
SDev	3. 822	1. 014	2. 306	3. 215	1. 201	. 4	. 6375
%RSD	136. 3	18. 92	174. 7	164. 7	132. 7	. 3916	193. 2
#1	. 1009	4. 642	. 3109	- . 3208	1. 754	103. 0	. 1209
#2	5. 506	6. 075	-2. 950	4. 226	. 0560	103. 6	- . 7807
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6. 000	-10. 00	-50. 00	-20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	. 6597	. 2398	1192.	- . 3976			
SDev	. 2366	. 7630	2.	. 2283			
%RSD	35. 87	318. 1	. 1885	57. 42			
#1	. 8270	- . 2997	1190.	- . 2362			
#2	. 4923	. 7793	1194.	- . 5590			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	-20. 00	-50. 00	-50. 00	-20. 00			

Method: SW846 Sample Name: 853892- 5 Operator:  
 Run Time: 08/25/07 04: 49: 39  
 Comment: 8381  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	90. 29	-8. 720	L- 5. 818	104. 7	. 0171	- . 6958	5775.
SDev	5. 88	. 466	. 455	. 2	. 0589	. 1371	.
%RSD	6. 507	5. 339	7. 813	. 1747	345. 1	19. 70	. 0075
#1	86. 14	-8. 391	L- 5. 497	104. 8	. 0587	- . 5989	5775.
#2	94. 45	-9. 049	L- 6. 140	104. 5	- . 0246	- . 7927	5775.
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 6468	. 7534	-2. 790	146700.	203. 0	3792.	. 5580
SDev	. 0018	1. 048	. 100	3.	1. 7	2.	1. 079
%RSD	. 2839	139. 1	3. 576	. 0021	. 8191	. 0634	193. 4
#1	- . 6455	1. 495	-2. 719	146700.	201. 9	3794.	- . 2051
#2	- . 6481	. 0123	-2. 861	146700.	204. 2	3790.	1. 321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00

23123NT2. txt

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	798. 2	. 0962	H278300.	-8. 246	-1. 080	8. 373	-2. 330
SDev	15. 7	. 6839	84.	1. 156	. 609	. 128	6. 150
%RSD	1. 966	710. 9	. 0303	14. 02	56. 39	1. 528	264. 0
#1	809. 3	. 3874	H278400.	-7. 428	-. 6492	8. 283	-6. 678
#2	787. 1	-. 5798	H278200.	-9. 064	-1. 510	8. 464	2. 019
Errors	LC Pass	LC Pass	LC Hi gh	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	4. 447	-4. 113	. 0330	2. 191	-1. 347	10. 30	-1. 667
SDev	2. 290	. 381	. 0567	. 520	. 165	. 05	. 290
%RSD	51. 50	9. 260	171. 8	23. 75	12. 23	. 5078	17. 42
#1	6. 066	-4. 382	-. 0071	1. 823	-1. 463	10. 34	-1. 872
#2	2. 827	-3. 844	. 0731	2. 559	-1. 230	10. 26	-1. 461

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6. 000	-10. 00	-50. 00	-20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	-1. 137	4. 680	28. 38	-. 3038			
SDev	. 182	1. 290	. 08	. 2463			
%RSD	16. 01	27. 56	. 2900	81. 06			
#1	-1. 008	3. 768	28. 33	-. 4780			
#2	-1. 266	5. 593	28. 44	-. 1297			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	-20. 00	-50. 00	-50. 00	-20. 00			

Method: SW846

Sample Name: 853332-5

Operator:

Run Time: 08/25/07 04: 55: 49

Comment: 8381

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61. 37	-4. 749	-1. 901	119. 3	. 0565	-. 0566	9971.
SDev	. 23	. 430	. 428	. 3	. 0149	. 1849	3.
%RSD	. 3822	9. 066	22. 51	. 2119	26. 41	326. 5	. 0311
#1	61. 53	-5. 053	-2. 204	119. 2	. 0460	. 0741	9973.
#2	61. 20	-4. 444	-1. 599	119. 5	. 0671	-. 1874	9969.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Analysis	Report						page 268

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Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.

23123NT2. txt

El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	. 1538	. 2144	. 5757	3. 652	1812.	18. 36	1. 067
SDev	. 2354	. 3879	. 1180	23. 89	2.	. 14	. 490
%RSD	153. 1	180. 9	20. 50	654. 2	. 1360	. 7682	45. 92
#1	. 3203	. 0599	. 6592	- 13. 24	1810.	18. 26	. 7203
#2	. 0126	. 4887	. 4923	20. 55	1814.	18. 46	1. 413
Errors Hi gh Low	LC Pass 10000. - 10. 00	LC Pass 5000. - 10. 00	LC Pass 25000. - 25. 00	LC Pass 200000. - 150. 0	LC Pass 250000. - 1000.	LC Pass 10000. - 15. 00	LC Pass 5000. - 40. 00
El em Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avge	832. 2	. 3546	H258200.	- 1. 793	- 1. 401	3. 313	3. 230
SDev	6. 7	. 4268	197.	2. 538	. 375	. 014	. 682
%RSD	. 8045	120. 3	. 0763	141. 6	26. 73	. 4300	21. 10
#1	827. 5	. 0529	H258400.	- 3. 587	- 1. 666	3. 303	2. 748
#2	836. 9	. 6564	H258100.	. 0019	- 1. 136	3. 323	3. 712
Errors Hi gh Low	LC Pass 100000. - 2500.	LC Pass 2500. - 10. 00	LC Hi gh 250000. - 2500.	LC Pass 10000. - 10. 00	LC Pass 5000. - 20. 00	LC Pass 15000. - 30. 00	NOCHECK
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	3. 532	- 7. 545	1. 059	3. 437	- 1. 805	47. 91	- . 8079
SDev	3. 796	4. 713	3. 194	2. 305	. 561	. 64	. 1998
%RSD	107. 5	62. 47	301. 6	67. 07	31. 11	1. 329	24. 73
#1	6. 216	- 10. 88	3. 317	5. 067	- 1. 408	48. 36	- . 6666
#2	. 8483	- 4. 212	- 1. 200	1. 807	- 2. 202	47. 46	- . 9492
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. - 6. 000	LC Pass 10000. - 10. 00	LC Pass 2000. - 50. 00	LC Pass 2000. - 20. 00
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	. 3052	1. 071	46. 14	- . 0161			
SDev	. 3374	3. 885	. 07	. 1197			
%RSD	110. 6	362. 8	. 1519	744. 0			
#1	- . 0666	3. 818	46. 09	. 0685			
#2	- . 5437	- 1. 676	46. 19	- . 1007			
Errors Hi gh Low	LC Pass 5000. - 20. 00	LC Pass 2000. - 50. 00	LC Pass 10000. - 50. 00	LC Pass 20000. - 20. 00			

Method: SW846 Sample Name: 853913- 5 Operator:  
 Run Time: 08/25/07 05: 01: 58  
 Comment: 8381  
 Mode: CONC Corr. Factor: 1

El em Units	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	148. 5	- 4. 209	- 3. 030	3. 377	. 0233	- . 0512	976. 9
SDev	3. 9	2. 290	. 211	. 101	. 0495	. 1306	. 8
%RSD	2. 635	54. 40	6. 977	2. 996	212. 2	255. 0	. 0801
#1	151. 3	- 5. 828	- 3. 179	3. 305	. 0584	- . 1436	976. 4

#2	145. 8	- 2. 590	- 2. 880	3. 448	- . 0117	. 0411	977. 5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 2004	. 1184	1. 626	15. 10	146. 9	12. 50	2. 645
SDev	. 3688	. 0606	. 472	2. 99	2. 7	. 07	. 099
%RSD	184. 1	51. 16	29. 03	19. 81	1. 809	. 5404	3. 733
#1	- . 4612	. 0755	1. 292	17. 22	145. 0	12. 45	2. 575
#2	. 0604	. 1612	1. 960	12. 99	148. 8	12. 55	2. 715
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	262. 1	- . 0720	H356400.	- 1. 848	- . 8907	48. 98	14. 73
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SDev	13. 2	. 4331	2212.	1. 504	. 1285	1. 26	1. 11
%RSD	5. 022	601. 5	. 6207	81. 35	14. 42	2. 577	7. 521
#1	252. 8	- . 3783	H354800.	- . 7852	- . 9815	48. 08	15. 51
#2	271. 4	. 2343	H358000.	- 2. 911	- . 7999	49. 87	13. 95
Errors	LC Pass	LC Pass	LC Hi gh	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	9. 175	7. 038	- 3. 402	11. 03	. 0757	14. 65	- . 2192
SDev	. 901	4. 577	2. 161	. 23	. 0822	. 82	1. 1726
%RSD	9. 825	65. 04	63. 51	2. 119	108. 6	5. 578	534. 9
#1	8. 538	10. 27	- 4. 930	10. 86	. 1338	15. 23	- 1. 048
#2	9. 813	3. 801	- 1. 874	11. 20	. 0176	14. 07	. 6099
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	- . 5897	3. 305	10. 27	- . 3246			
SDev	. 5171	2. 354	. 02	. 1902			
%RSD	87. 69	71. 24	. 2225	58. 58			
#1	- . 9554	4. 969	10. 25	- . 4591			
#2	- . 2241	1. 640	10. 29	- . 1902			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 853924- 5 Operator:  
 Run Time: 08/25/07 05: 08: 09  
 Comment: 8381

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	40. 83	- 4. 343	- . 8083	12. 96	. 2403	- . 2544	434. 4
SDev	2. 60	3. 807	. 6474	. 13	. 0161	. 0208	1. 1
%RSD	6. 369	87. 67	80. 09	. 9795	6. 717	8. 194	. 2532
#1	38. 99	- 1. 651	- 1. 266	13. 05	. 2288	- . 2692	435. 2
#2	42. 67	- 7. 035	- . 3506	12. 87	. 2517	- . 2397	433. 7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 1271	. 2462	. 8942	5. 224	83. 69	5. 428	3. 100
SDev	. 0982	. 3951	. 4858	. 866	3. 02	. 078	. 116
%RSD	77. 28	160. 5	54. 32	16. 58	3. 614	1. 438	3. 745
#1	- . 0576	- . 0332	1. 238	4. 611	85. 83	5. 484	3. 182
#2	- . 1965	. 5256	. 5507	5. 836	81. 55	5. 373	3. 018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	307. 1	. 0014	H299500.	- . 2171	- 2. 109	3. 774	10. 69
SDev	16. 8	. 4518	1132.	4. 3606	. 128	. 156	4. 92
%RSD	5. 486	31260.	. 3781	2009.	6. 071	4. 121	45. 99
#1	319. 1	. 3209	H300300.	- 3. 300	- 2. 200	3. 884	7. 215
#2	295. 2	- . 3180	H298700.	2. 866	- 2. 018	3. 664	14. 17
Errors	LC Pass	LC Pass	LC Hi gh	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	8. 279	8. 713	- 5. 463	9. 088	- . 7418	16. 08	- . 4400
SDev	1. 959	2. 562	1. 541	. 330	1. 8815	. 54	. 4739
%RSD	23. 66	29. 41	28. 21	3. 626	253. 6	3. 386	107. 7
#1	9. 664	10. 52	- 4. 373	8. 855	. 5886	15. 70	- . 1049
#2	6. 894	6. 901	- 6. 553	9. 321	- 2. 072	16. 47	- . 7751

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	- . 5467	3. 639	1. 595	- . 1213			
SDev	. 3141	1. 020	. 025	. 1008			
%RSD	57. 46	28. 02	1. 541	83. 10			
#1	- . 7688	2. 918	1. 613	- . 0500			

#2      -. 3246      4. 360      1. 578      -. 1925  
 Errors    LC Pass    LC Pass    LC Pass    LC Pass  
 High      5000.      2000.      10000.      20000.  
 Low       -20. 00    -50. 00    -50. 00    -20. 00

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 Method: SW846      Sample Name: 853912-5      Operator:  
 Run Time: 08/25/07 05:14:19  
 Comment: 8381  
 Mode: CONC      Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	485. 8	1. 760	-2. 700	48. 71	. 3603	. 1879	7489.
SDev	3. 4	1. 256	. 222	. 07	. 0039	. 0196	31.
%RSD	. 6943	71. 35	8. 221	. 1384	1. 091	10. 44	. 4086

#1	488. 2	. 8719	-2. 544	48. 66	. 3576	. 2018	7468.
#2	483. 5	2. 647	-2. 857	48. 76	. 3631	. 1740	7511.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	. 0846	2. 574	2. 058	1097.	1911.	265. 8	7. 289
SDev	. 4123	. 188	. 145	24.	15.	1. 0	. 729
%RSD	487. 4	7. 286	7. 042	2. 144	. 7971	. 3657	10. 01

#1	-. 2070	2. 707	1. 955	1081.	1901.	265. 2	7. 805
#2	. 3762	2. 441	2. 160	1114.	1922.	266. 5	6. 773

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	864. 0	. 0831	H283100.	-4. 392	. 2542	248. 3	39. 93
SDev	9. 3	. 0623	20.	1. 916	. 4909	1. 5	2. 19
%RSD	1. 071	75. 03	. 0069	43. 63	193. 1	. 6151	5. 484

#1	857. 5	. 1271	H283100.	-5. 747	-. 0928	247. 2	41. 48
#2	870. 5	. 0390	H283100.	-3. 037	. 6013	249. 4	38. 38

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	33. 95	6. 738	-. 9812	35. 95	1. 590	45. 37	. 4370
SDev	2. 34	. 769	1. 9742	. 83	1. 573	. 49	. 4676
%RSD	6. 906	11. 41	201. 2	2. 320	98. 90	1. 077	107. 0

#1	32. 29	6. 194	-2. 377	35. 36	. 4781	45. 71	. 1064
#2	35. 61	7. 282	. 4148	36. 54	2. 702	45. 02	. 7676

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.



Low - 6.000 - 10.00 - 50.00 - 20.00

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	. 8055	2. 993	22. 97	. 2112
SDev	. 2650	. 694	. 01	. 0302
%RSD	32. 90	23. 18	. 0351	14. 28

#1	. 6181	3. 483	22. 96	. 2325
#2	. 9929	2. 502	22. 98	. 1899

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00

Method: SW846 Sample Name: 854792- 5 Operator:  
 Run Time: 08/25/07 05: 20: 30  
 Comment: 8381  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	61. 03	- 4. 105	- 2. 607	47. 52	. 1796	. 3624	8497.
SDev	1. 87	. 539	2. 081	. 04	. 0486	. 0795	36.
%RSD	3. 071	13. 14	79. 83	. 0766	27. 05	21. 95	. 4252

#1	59. 70	- 4. 486	- 4. 078	47. 50	. 2140	. 4186	8522.
#2	62. 35	- 3. 724	- 1. 135	47. 55	. 1453	. 3061	8471.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	. 2715	3. 426	4. 464	26. 05	1028.	944. 7	3. 033
SDev	. 0906	. 199	. 304	4. 22	6.	3. 1	. 372
%RSD	33. 36	5. 814	6. 812	16. 19	. 5784	. 3316	12. 28

#1	. 3355	3. 285	4. 679	23. 07	1032.	946. 9	3. 296
#2	. 2074	3. 567	4. 249	29. 03	1023.	942. 5	2. 769

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	772. 2	. 7885	H278500.	- 2. 784	- . 3420	27. 48	9. 580
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SDev	3. 0	. 3457	440.	. 016	. 1211	. 03	1. 669
%RSD	. 3893	43. 85	. 1580	. 5874	35. 40	. 1190	17. 42

#1	774. 3	1. 033	H278200.	- 2. 772	- . 2564	27. 50	10. 76
#2	770. 0	. 5440	H278800.	- 2. 796	- . 4277	27. 46	8. 400

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb

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Avge	11. 06	5. 792	- 1. 294	10. 57	1. 066	17. 84	. 0633
SDev	. 03	3. 695	. 944	. 54	. 601	. 70	. 0805
%RSD	. 2687	63. 79	72. 95	5. 076	56. 33	3. 905	127. 2
#1	11. 04	3. 179	- . 6267	10. 95	. 6417	17. 35	. 0064
#2	11. 08	8. 404	- 1. 962	10. 19	1. 491	18. 34	. 1202
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	. 2190	2. 318	36. 12	- . 0675			
SDev	. 0034	1. 847	. 04	. 0375			
%RSD	1. 569	79. 66	. 1151	55. 50			
#1	. 2215	3. 624	36. 15	- . 0940			
#2	. 2166	1. 012	36. 10	- . 0410			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 855183- 5 Operator:  
 Run Time: 08/25/07 05: 26: 40  
 Comment: 15049  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	710. 2	- 5. 387	. 4540	48. 22	. 5108	- . 2913	970. 1
SDev	1. 5	1. 800	. 8917	. 16	. 0408	. 0798	6. 5
%RSD	. 2171	33. 41	196. 4	. 3246	7. 994	27. 40	. 6707
#1	711. 3	- 6. 659	- . 1765	48. 11	. 4819	- . 2349	965. 5
#2	709. 1	- 4. 114	1. 085	48. 33	. 5397	- . 3478	974. 7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 5158	. 3019	. 3135	- 27. 03	134. 4	71. 11	. 3251
SDev	. 9402	. 3267	. 2856	5. 25	3. 2	. 26	1. 734
%RSD	182. 3	108. 2	91. 12	19. 41	2. 390	. 3670	533. 2
#1	- 1. 181	. 0709	. 1115	- 23. 32	132. 1	70. 93	- . 9008
#2	. 1490	. 5329	. 5154	- 30. 74	136. 6	71. 30	1. 551
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	421. 0	- . 3205	H258800.	- 3. 679	- 2. 380	37. 14	6. 125
SDev	10. 3	. 5246	491.	1. 519	. 003	. 62	1. 484
%RSD	2. 453	163. 7	. 1896	41. 30	. 1340	1. 677	24. 23
#1	413. 7	- . 6914	H259200.	- 2. 605	- 2. 382	36. 70	7. 175
#2	428. 3	. 0505	H258500.	- 4. 754	- 2. 378	37. 58	5. 076

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Errors High	LC Pass 100000.	LC Pass 2500.	LC High 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	3. 657	5. 070	. 5957	4. 484	2. 087	30. 31	- 1. 263
SDev	1. 727	9. 052	1. 327	. 658	3. 900	. 19	. 600
%RSD	47. 23	178. 6	222. 7	14. 67	186. 9	. 6360	47. 56
#1	2. 435	11. 47	1. 534	4. 019	4. 845	30. 44	- 1. 687
#2	4. 878	- 1. 331	- . 3425	4. 950	- . 6708	30. 17	- . 8379

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Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	- . 5761	2. 373	3. 673	- . 0926			
SDev	. 5029	1. 911	. 019	. 2077			
%RSD	87. 30	80. 53	. 5302	224. 3			
#1	- . 9317	1. 022	3. 659	- . 2395			
#2	- . 2205	3. 724	3. 687	. 0543			

Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00

Method: SW846

Sample Name: CCV3

Operator:

Run Time: 08/25/07 05:32:50

Comment: 15049

Mode: CONC Corr. Factor: 1

El em Units	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	128700.	1008.	5097.	10100.	1050.	2572.	131500.
SDev	59.	8.	1.	36.	3.	.	193.
%RSD	. 0457	. 7753	. 0145	. 3535	. 3089	. 0018	. 1465
#1	128700.	1002.	5098.	10080.	1047.	2572.	131400.
#2	128800.	1013.	5097.	10130.	1052.	2572.	131700.

Errors High	LC Pass 138000.	LC Pass 1105.	LC Pass 5525.	LC Pass 11050.	LC Pass 1105.	LC Pass 2762.	LC Pass 138100.
Low	112000.	895. 0	4475.	8950.	895. 0	2238.	112000.

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El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	5181.	2584.	12730.	104700.	131300.	5190.	2574.
SDev	5.	3.	42.	260.	387.	15.	7.
%RSD	. 0926	. 0981	. 3337	. 2487	. 2949	. 2941	. 2715
#1	5177.	2586.	12700.	104500.	131000.	5179.	2579.
#2	5184.	2583.	12760.	104900.	131600.	5201.	2569.

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low							

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Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	49640.	1272.	123600.	5134.	2652.	8119.	10480.
SDev	30.	6.	113.	7.	4.	.	17.
%RSD	. 0612	. 4542	. 0913	. 1350	. 1577	. 0041	. 1607
#1	49660.	1268.	123700.	5139.	2649.	8120.	10490.
#2	49620.	1276.	123500.	5130.	2655.	8119.	10470.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	10540.	5219.	5213.	10520.	5215.	1048.	521. 8
SDev	27.	11.	27.	12.	14.	3.	1. 3
%RSD	. 2519	. 2182	. 5257	. 1150	. 2778	. 3089	. 2437
#1	10520.	5227.	5194.	10510.	5205.	1046.	520. 9
#2	10560.	5211.	5232.	10530.	5225.	1051.	522. 7
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				11050.	5525.	1104.	552. 5
Low				8951.	4475.	896. 0	447. 5
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	2572.	1036.	5112.	10120.			
SDev	9.	.	10.	8.			
%RSD	. 3339	. 0134	. 2043	. 0834			
#1	2566.	1036.	5105.	10120.			
#2	2578.	1036.	5120.	10130.			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	2760.	1104.	5520.	11040.			
Low	2239.	896. 0	4478.	8960.			

Method: SW846 Sample Name: CCB3 Operator:  
 Run Time: 08/25/07 05: 38: 58  
 Comment: 15049  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-28. 86	-2. 627	3. 591	. 1976	. 3364	. 1664	-9. 737
SDev	2. 17	. 677	. 128	. 1610	. 0025	. 0040	2. 604
%RSD	7. 526	25. 78	3. 557	81. 49	. 7363	2. 373	26. 74
#1	-27. 32	-3. 105	3. 500	. 0837	. 3382	. 1692	-11. 58
#2	-30. 39	-2. 148	3. 681	. 3114	. 3347	. 1636	-7. 896
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
Low	-200. 0	-10. 00	-5. 000	-100. 0	-2. 000	-4. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 0439	. 6452	1. 474	-17. 42	-8. 197	-. 0861	-. 0537
SDev	. 2329	. 7146	. 213	6. 17	1. 947	. 1358	. 2680

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%RSD	530. 5	110. 7	14. 43	35. 43	23. 76	157. 7	499. 2
#1	-. 1208	1. 150	1. 324	- 13. 06	- 6. 820	-. 1822	. 1358
#2	. 2086	. 1399	1. 625	- 21. 79	- 9. 574	. 0099	-. 2432
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	50. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	- 10. 00	- 50. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	344. 8	. 7119	468. 7	- 1. 187	. 0172	-. 5122	7. 330
Analysi s	Report			08/25/07 05: 45: 03 AM			page 287

SDev	3. 3	. 0793	80. 0	7. 195	. 1269	. 4147	6. 856
%RSD	. 9685	11. 14	17. 07	606. 3	738. 6	80. 98	93. 53
#1	342. 4	. 7680	412. 2	- 6. 274	. 1069	-. 8054	12. 18
#2	347. 1	. 6559	525. 3	3. 901	-. 0725	-. 2189	2. 482
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	- 3000.	- 10. 00	- 3000.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	-. 2239	7. 960	- 5. 398	2. 297	-. 9487	. 3668	-. 2167
SDev	4. 6314	8. 513	6. 942	. 806	1. 7954	. 3285	. 2386
%RSD	2069.	106. 9	128. 6	35. 09	189. 3	89. 54	110. 1
#1	- 3. 499	13. 98	- 10. 31	1. 727	- 2. 218	. 5991	-. 3854
#2	3. 051	1. 940	-. 4891	2. 867	. 3209	. 1346	-. 0479
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3. 000	5. 000	50. 00	10. 00
Low				- 3. 000	- 5. 000	- 50. 00	- 5. 000
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	. 4495	1. 403	. 1541	. 6729			
SDev	. 0011	. 635	. 0800	. 1378			
%RSD	. 2538	45. 28	51. 93	20. 48			
#1	. 4487	1. 852	. 0975	. 5755			
#2	. 4503	. 9539	. 2107	. 7704			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20. 00	20. 00	50. 00	20. 00			
Low	- 20. 00	- 20. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: ICSA2 Operator:  
 Run Time: 08/25/07 05: 45: 07  
 Comment: 15049  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	520000.	- 8. 989	- 6. 508	- 1. 057	-. 0421	1. 267	506800.
SDev	1118.	5. 196	1. 610	. 386	. 0033	. 111	1270.
%RSD	. 2149	57. 80	24. 74	36. 50	7. 726	8. 725	. 2505
#1	519300.	- 5. 315	- 7. 646	-. 7839	-. 0444	1. 345	507700.
#2	520800.	L- 12. 66	- 5. 369	- 1. 329	-. 0398	1. 189	505900.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	600000.	10. 00	8. 000	100. 0	2. 000	5. 000	600000.
Low	400000.	-10. 00	-8. 000	-100. 0	-2. 000	-5. 000	400000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 9762	. 6944	-1. 499	209000.	565400.	-1. 026	9. 445
SDev	. 1581	. 3482	. 392	478.	1299.	. 161	. 800
%RSD	16. 20	50. 14	26. 18	. 2287	. 2298	15. 72	8. 467
#1	1. 088	. 9406	-1. 221	209300.	566400.	-. 9122	10. 01
#2	. 8644	. 4482	-1. 776	208600.	564500.	-1. 140	8. 880
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	20. 00	25. 00	240000.	600000.	15. 00	40. 00
Low	-10. 00	-20. 00	-25. 00	160000.	400000.	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	305. 4	-. 1918	212. 6	-6. 621	-2. 085	2. 087	12. 63
SDev	19. 4	. 4409	58. 2	1. 424	. 013	. 257	8. 29
%RSD	6. 355	229. 9	27. 37	21. 50	. 6290	12. 30	65. 65
#1	319. 1	. 1200	253. 8	-5. 614	-2. 095	2. 269	18. 49
#2	291. 7	-. 5036	171. 5	-7. 627	-2. 076	1. 906	6. 766
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	5000.	10. 00	5000.	10. 00	20. 00	30. 00	
Low	-5000.	-10. 00	-5000.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	-20. 93	-13. 86	-. 7950	L-9. 749	-5. 144	-. 0507	-1. 018
SDev	2. 23	20. 29	4. 3160	1. 273	9. 636	. 7861	. 384
%RSD	10. 66	146. 4	542. 9	13. 05	187. 3	1552.	37. 74
#1	-22. 51	-28. 21	-3. 847	L-8. 849	L-11. 96	-. 6065	-. 7461
#2	-19. 35	. 4897	2. 257	L-10. 65	1. 669	. 5052	-1. 289

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Low	LC Pass	NOCHECK	LC Pass
Hi gh				5. 000	10. 00		20. 00
Low				-5. 000	-10. 00		-20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	-1. 455	-. 9143	1. 060	-9. 891			
SDev	. 408	. 6862	. 156	. 082			
%RSD	28. 01	75. 05	14. 68	. 8280			
#1	-1. 743	-1. 399	1. 170	-9. 833			
#2	-1. 167	-. 4291	. 9500	-9. 949			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20. 00	50. 00	20. 00	20. 00			
Low	-20. 00	-50. 00	-20. 00	-20. 00			

Method: SW846

Sample Name: ICSAB2

Operator:

Run Time: 08/25/07 05: 51: 16

Comment: 8381

Mode: CONC Corr. Factor: 1

## 23123NT2. txt

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	527200.	99. 95	98. 19	108. 2	106. 2	102. 0	522100.
SDev	1277.	. 11	. 91	. 3	. 6	. 3	2977.
%RSD	. 2422	. 1116	. 9228	. 3102	. 5987	. 3022	. 5702
#1	528100.	99. 87	98. 83	108. 4	106. 6	102. 2	524200.
#2	526300.	100. 0	97. 55	107. 9	105. 7	101. 8	520000.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Analysi s	Report			08/25/07	05: 57: 21	AM	page 292
Hi gh	600000.	120. 0	120. 0	120. 0	120. 0	120. 0	600000.
Low	400000.	80. 00	80. 00	80. 00	80. 00	80. 00	400000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	106. 1	101. 1	108. 9	214400.	578500.	105. 3	111. 2
SDev	. 6	. 1	. 8	940.	2654.	. 3	. 4
%RSD	. 5341	. 1017	. 7345	. 4386	. 4587	. 2745	. 4041
#1	106. 5	101. 0	109. 5	215000.	580400.	105. 5	111. 6
#2	105. 7	101. 2	108. 3	213700.	576600.	105. 1	110. 9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	120. 0	120. 0	120. 0	240000.	600000.	120. 0	120. 0
Low	80. 00	80. 00	80. 00	160000.	400000.	80. 00	80. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10600.	106. 8	10390.	93. 81	106. 3	104. 4	117. 5
SDev	41.	1. 0	73.	. 40	. 7	. 3	3. 6
%RSD	. 3860	. 9834	. 7021	. 4251	. 6789	. 2584	3. 038
#1	10630.	107. 5	10440.	94. 09	106. 8	104. 6	120. 1
#2	10570.	106. 0	10340.	93. 53	105. 8	104. 2	115. 0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	12000.	120. 0	12000.	120. 0	120. 0	120. 0	
Low	800. 0	80. 00	800. 0	80. 00	80. 00	80. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	78. 37	99. 86	103. 2	91. 42	102. 1	105. 5	. . 8679
SDev	1. 34	5. 59	2. 8	2. 09	. 0	3. 3	. 0821
%RSD	1. 713	5. 593	2. 722	2. 285	. 0146	3. 130	9. 460
#1	79. 32	95. 91	105. 2	92. 89	102. 1	107. 9	. . 8098
#2	77. 42	103. 8	101. 2	89. 94	102. 1	103. 2	. . 9259
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh				120. 0	120. 0	120. 0	
Low				80. 00	80. 00	80. 00	
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	104. 8	108. 2	111. 4	93. 96			
SDev	. 3	1. 4	. 3	. 17			
%RSD	. 2655	1. 253	. 2340	. 1786			
#1	104. 6	109. 2	111. 6	94. 08			
#2	105. 0	107. 3	111. 2	93. 84			

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	120.0	120.0
Low	80.00	80.00	80.00	80.00

Method: SW846 Sample Name: CCV4 Operator:  
 Run Time: 08/25/07 05:57:25  
 Comment: 8381  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	128700.	1009.	5011.	10140.	1034.	2519.	130800.
SDev	482.	7.	33.	66.	9.	16.	794.
%RSD	.3746	.7182	.6527	.6497	.8253	.6502	.6070

#1	128300.	1003.	4988.	10090.	1028.	2507.	130300.
#2	129000.	1014.	5034.	10190.	1040.	2530.	131400.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895.0	4475.	8950.	895.0	2238.	112000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5116.	2542.	12780.	103500.	129400.	5137.	2525.
SDev	36.	15.	74.	762.	882.	39.	13.
%RSD	.6954	.6062	.5775	.7360	.6814	.7550	.5167

#1	5090.	2531.	12730.	103000.	128800.	5109.	2516.
#2	5141.	2553.	12830.	104100.	130000.	5164.	2534.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50150.	1271.	124400.	5052.	2627.	7884.	10270.
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SDev	10.	10.	275.	35.	22.	62.	23.
%RSD	.0199	.7758	.2209	.7018	.8475	.7818	.2280

#1	50150.	1264.	124200.	5027.	2611.	7840.	10250.
#2	50160.	1278.	124600.	5077.	2642.	7927.	10290.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	10290.	5146.	5126.	10280.	5132.	1036.	521.2
SDev	87.	38.	39.	66.	38.	8.	4.1
%RSD	.8426	.7338	.7580	.6382	.7499	.7501	.7918

#1	10230.	5119.	5098.	10240.	5105.	1030.	518.3
#2	10350.	5173.	5153.	10330.	5160.	1041.	524.1

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				11050.	5525.	1104.	552.5
Low				8951.	4475.	896.0	447.5



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El em	Mo2020	Sn1899	Sr4215	Ti 3349
Uni ts	ppb	ppb	ppb	ppb
Avge	2537.	1016.	5114.	10080.
SDev	18.	7.	31.	59.
%RSD	. 7086	. 7357	. 6049	. 5805
#1	2524.	1010.	5092.	10040.
#2	2550.	1021.	5135.	10120.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	2760.	1104.	5520.	11040.
Low	2239.	896. 0	4478.	8960.

Method: SW846 Sample Name: CCB4 Operator:  
 Run Time: 08/25/07 06: 03: 34  
 Comment: 8381  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 2082	- 3. 570	. 1532	. 2992	. 2433	- . 0787	16. 90
SDev	9. 9318	1. 442	1. 083	. 1957	. 0261	. 1304	11. 13
%RSD	4770.	40. 40	707. 1	65. 41	10. 74	165. 7	65. 84
#1	- 7. 231	- 2. 550	- . 6127	. 1608	. 2248	- . 1708	9. 034
#2	6. 815	- 4. 590	. 9191	. 4376	. 2617	. 0135	24. 78

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
Low	- 200. 0	- 10. 00	- 5. 000	- 100. 0	- 2. 000	- 4. 000	- 1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 3838	- . 0957	1. 201	- 10. 00	14. 70	- . 1575	- . 2759
SDev	. 2826	. 4600	. 401	4. 13	7. 66	. 1013	. 2080
%RSD	73. 63	480. 8	33. 38	41. 27	52. 16	64. 31	75. 37
#1	- . 1840	- . 4209	. 9177	- 12. 92	9. 276	- . 2291	- . 1289
#2	- . 5836	. 2296	1. 485	- 7. 084	20. 12	- . 0859	- . 4230

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	50. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	- 10. 00	- 50. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	294. 0	- . 2409	186. 0	- 1. 942	- 2. 731	- . 0602	3. 962
SDev	2. 2	. 5724	35. 5	1. 251	. 249	. 4267	. 101
%RSD	. 7410	237. 6	19. 09	64. 44	9. 103	709. 3	2. 554
#1	295. 5	- . 6457	211. 1	- 2. 827	- 2. 555	. 2416	3. 890
#2	292. 5	. 1639	160. 9	- 1. 057	- 2. 906	- . 3619	4. 033

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	- 3000.	- 10. 00	- 3000.	- 10. 00	- 20. 00	- 30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	1. 942	5. 766	- 3. 934	2. 620	- . 7024	- . 7065	- 1. 232
SDev	2. 716	1. 795	2. 809	1. 778	2. 4704	. 1787	. 002
%RSD	139. 8	31. 13	71. 39	67. 84	351. 7	25. 29	. 1546

#1	3. 862	4. 497	-5. 920	H3. 877	-2. 449	-. 8329	-1. 234
#2	. 0217	7. 035	-1. 948	1. 363	1. 044	-. 5802	-1. 231

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				3. 000	5. 000	50. 00	10. 00
Low				-3. 000	-5. 000	-50. 00	-5. 000
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	-. 2634	-. 8704	. 2020	. 7557			
SDev	. 0048	. 6371	. 1146	. 2960			
%RSD	1. 816	73. 20	56. 75	39. 16			
#1	-. 2668	-1. 321	. 1209	. 5464			
#2	-. 2600	-. 4199	. 2830	. 9650			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20. 00	20. 00	50. 00	20. 00			
Low	-20. 00	-20. 00	-50. 00	-20. 00			

Method: SW846

Sample Name: PBW082307

Operator:

Run Time: 08/25/07 06:09:43

Comment: 15061

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-10. 93	-5. 435	1. 498	. 1527	. 4085	. 0546	29. 53
SDev	9. 69	. 704	1. 335	. 1908	. 0350	. 0123	8. 83
%RSD	88. 66	12. 95	89. 09	124. 9	8. 579	22. 61	29. 91
#1	-4. 078	-4. 937	. 5545	. 2877	. 4333	. 0459	35. 78
#2	-17. 78	-5. 932	2. 442	. 0178	. 3837	. 0634	23. 29

Errors  
Analysis Report

LC Pass

LC Pass

LC Pass

LC Pass

LC Pass

LC Pass  
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High	200. 0	10. 00	5. 000	200. 0	3. 000	4. 000	1000.
Low	-200. 0	-10. 00	-5. 000	-200. 0	-3. 000	-4. 000	-500. 0

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-. 4647	. 6202	1. 850	-7. 295	10. 61	-. 1952	-. 4271
SDev	. 1828	. 3773	. 081	6. 028	6. 50	. 0652	. 4165
%RSD	39. 33	60. 83	4. 359	82. 63	61. 26	33. 39	97. 52

#1	-. 5940	. 3534	1. 793	-11. 56	15. 21	-. 1491	-. 7217
#2	-. 3355	. 8870	1. 907	-3. 033	6. 015	-. 2413	-. 1326

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10. 00	15. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	-10. 00	-15. 00	-25. 00	-150. 0	-500. 0	-15. 00	-40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	258. 6	. 5953	175. 4	2. 596	-1. 405	. 2656	8. 555
SDev	9. 4	. 5686	114. 0	3. 392	1. 096	. 5996	. 858
%RSD	3. 624	95. 51	65. 01	130. 6	77. 95	225. 8	10. 03

#1	252. 0	. 1932	94. 76	. 1978	-2. 180	. 6896	9. 162
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#2	265.2	.9974	256.0	4.995	-.6307	-.1584	7.949
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Low	3000.	10.00	3000.	10.00	20.00	30.00	
	-3000.	-10.00	-3000.	-10.00	-20.00	-30.00	
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	-.8066	9.001	-7.863	2.317	-2.246	-.8982	-.1674
SDev	.1483	1.176	1.119	.385	.354	1.0428	.8514
%RSD	18.38	13.07	14.23	16.60	15.76	116.1	508.7
#1	-.7017	8.169	-7.072	2.589	-1.996	-1.636	-.7694
#2	-.9114	9.832	-8.655	2.045	-2.497	-.1608	.4346
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Low				3.000	5.000	50.00	10.00
				-3.000	-5.000	-50.00	-5.000
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	.9437	-.1241	.1521	.8106			
SDev	.1926	.1644	.0868	.0002			
%RSD	20.40	132.5	57.08	.0241			
#1	.8075	-.2404	.2134	.8105			
#2	1.080	-.0078	.0907	.8108			
Errors High	LC Pass	LC Pass	LC Pass	LC Pass			
Low	20.00	20.00	50.00	20.00			
	-20.00	-20.00	-50.00	-20.00			

Method: SW846 Sample Name: LCSW Operator:  
 Run Time: 08/25/07 06:15:52  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em Units	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	2212.	569.8	2210.	2169.	57.89	56.52	22890.
SDev	8.	.8	2.	1.	.01	.13	12.
%RSD	.3499	.1343	.0748	.0486	.0208	.2282	.0530
#1	2206.	570.4	2208.	2170.	57.88	56.42	22890.
#2	2217.	569.3	2211.	2169.	57.90	56.61	22900.
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	2400.	600.0	2400.	2400.	60.00	60.00	24000.
	1600.	400.0	1600.	1600.	40.00	40.00	16000.
El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	223.5	558.1	277.4	1107.	21910.	566.5	557.2
SDev	.3	1.5	.0	18.	9.	.2	.4
%RSD	.1274	.2635	.0024	1.598	.0417	.0383	.0767
#1	223.3	557.1	277.5	1095.	21910.	566.6	557.5
#2	223.7	559.2	277.4	1120.	21920.	566.3	556.9
Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	240.0	600.0	300.0	1200.	24000.	600.0	600.0
	160.0	400.0	200.0	800.0	16000.	400.0	400.0
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1

Units ppb ppb ppb ppb ppb ppb  
 Avge 21180. 54. 74 21130. 2208. 572. 4 584. 3 568. 4  
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SDev	45.	. 92	194.	14.	. 1	1. 4	5. 9
%RSD	. 2125	1. 686	. 9198	. 6481	. 0232	. 2327	1. 046
#1	21150.	54. 09	20990.	2198.	572. 5	583. 4	564. 2
#2	21210.	55. 39	21270.	2218.	572. 3	585. 3	572. 6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	24000.	60. 00	24000.	2400.	600. 0	600. 0	
Low	16000.	40. 00	16000.	1600.	400. 0	400. 0	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	572. 1	2299.	2304.	570. 9	2302.	551. 9	- 1. 049
SDev	4. 1	14.	5.	4. 7	8.	1. 2	1. 016
%RSD	. 7169	. 6055	. 2240	. 8259	. 3508	. 2108	96. 80
#1	569. 2	2289.	2300.	567. 5	2297.	552. 7	- 1. 767
#2	575. 0	2309.	2307.	574. 2	2308.	551. 1	- . 3311
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK
Hi gh				600. 0	2400.		
Low				400. 0	1600.		
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	559. 3	559. 9	560. 2	540. 0			
SDev	. 4	. 5	. 4	. 1			
%RSD	. 0796	. 0806	. 0663	. 0182			
#1	558. 9	560. 2	560. 5	540. 0			
#2	559. 6	559. 5	560. 0	539. 9			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	600. 0	600. 0	600. 0	600. 0			
Low	400. 0	400. 0	400. 0	400. 0			

Method: SW846 Sample Name: 854846D Operator:  
 Run Time: 08/25/07 06: 22: 00  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	38. 08	- 2. 614	1. 572	135. 8	. 3677	- . 2114	72520.
SDev	. 47	1. 355	. 843	. 3	. 0433	. 0141	118.
%RSD	1. 242	51. 84	53. 61	. 2474	11. 78	6. 680	. 1633
#1	37. 74	- 3. 572	. 9758	135. 6	. 3983	- . 2014	72440.
#2	38. 41	- 1. 656	2. 167	136. 0	. 3371	- . 2214	72600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1. 094	. 4869	1. 698	24490.	15470.	1348.	. 3138
SDev	. 280	. 0021	. 040	34.	34.	3.	. 2210
%RSD	25. 56	. 4255	2. 376	. 1368	. 2190	. 2424	70. 45

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#1	1.292	.4884	1.669	24470.	15440.	1345.	.4701
#2	.8964	.4855	1.726	24510.	15490.	1350.	.1575
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
El em	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	2166.	.3482	51940.	2.036	1.384	1.822	.6150
SDev	.	.1423	169.	6.238	.259	.857	2.666
%RSD	.0061	40.86	.3248	306.5	18.74	47.06	433.4
#1	2166.	.4488	51820.	6.447	1.201	1.216	-1.270
#2	2166.	.2476	52060.	-2.376	1.568	2.428	2.500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	2.041	7.393	-2.892	1.572	.5342	168.8	-.6414
SDev	1.172	2.686	4.099	.106	1.840	.7	.1214
%RSD	57.42	36.33	141.7	6.750	344.4	.4400	18.93
#1	2.869	5.494	.0060	1.497	1.835	168.3	-.5556
#2	1.212	9.292	-5.790	1.647	-.7669	169.3	-.7273

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00
El em	Mo2020	Sn1899	Sr4215	Ti3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	1.292	2.061	309.7	3.073			
SDev	.136	2.231	.8	.155			
%RSD	10.53	108.2	.2599	5.046			
#1	1.388	.4838	309.1	2.964			
#2	1.196	3.638	310.3	3.183			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846

Sample Name: 854846

Operator:

Run Time: 08/25/07 06:28:09

Comment: 15061

Mode: CONC Corr. Factor: 1

El em	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	177.4	-3.950	.1096	135.0	.2648	-.3841	71880.
SDev	2.3	1.282	1.352	.3	.0219	.0899	16.
%RSD	1.301	32.45	1234.	.2319	8.271	23.41	.0225
#1	175.8	-4.856	1.066	134.8	.2803	-.4477	71890.
#2	179.0	-3.043	-.8466	135.2	.2494	-.3205	71870.

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass  
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High 250000. 2000. 10000. 20000. 2000. 5000. 250000.  
 Low -200.0 -10.00 -5.000 -20.00 -3.000 -5.000 -1000.

Element Cr2677 Co2286 Cu3247 Fe2714 Mg2790 Mn2576 Ni2316  
 Units ppb ppb ppb ppb ppb ppb ppb  
 Avge 1.491 .4111 1.221 24220. 15320. 1336. 1.003  
 SDev .148 .7741 .111 12. 10. 1. .858  
 %RSD 9.936 188.3 9.083 .0497 .0639 .0524 85.58

#1 1.596 .9585 1.299 24230. 15310. 1336. .3961  
 #2 1.386 -.1363 1.142 24220. 15320. 1337. 1.610

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass  
 High 10000. 5000. 25000. 200000. 250000. 10000. 5000.  
 Low -10.00 -10.00 -25.00 -150.0 -1000. -15.00 -40.00

Element K\_7664 Ag3280 Na3302 Tl1908 V\_2924 Zn2062 2203/1  
 Units ppb ppb ppb ppb ppb ppb  
 Avge 2113. -.0013 51810. -2.157 1.772 .8502 -1.260  
 SDev 6. .4555 221. 1.571 .884 .4333 .007  
 %RSD .2836 35280. .4275 72.80 49.87 50.96 .5467

#1 2117. .3208 51660. -1.047 2.397 1.157 -1.265  
 #2 2109. -.3234 51970. -3.268 1.147 .5439 -1.255

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass NOCHECK  
 High 100000. 2500. 250000. 10000. 5000. 15000.  
 Low -2500. -10.00 -2500. -10.00 -20.00 -30.00

Element 2203/2 1960/1 1960/2 Pb2203 Se1960 B\_2496 La3988  
 Units ppb ppb ppb ppb ppb ppb  
 Avge 1.017 4.581 -4.582 .2645 -1.530 167.2 -1.422  
 SDev 1.488 8.189 2.773 .9949 .878 1.9 1.147  
 %RSD 146.3 178.8 60.51 376.1 57.41 1.122 80.69

#1 -.0353 10.37 -6.543 -.4390 -.9087 165.8 -.6104  
 #2 2.069 -1.210 -2.622 .9680 -2.151 168.5 -2.233

Errors NOCHECK NOCHECK NOCHECK LC Pass LC Pass LC Pass LC Pass  
 High 20000. 10000. 2000. 2000.  
 Low -6.000 -10.00 -50.00 -20.00

Element Mo2020 Sn1899 Sr4215 Ti3349  
 Units ppb ppb ppb ppb  
 Avge .3838 1.961 308.2 2.736  
 SDev .2279 .919 .6 .086  
 %RSD 59.39 46.87 .1791 3.150

#1 .5449 1.311 307.8 2.797  
 #2 .2226 2.610 308.6 2.675

Errors LC Pass LC Pass LC Pass LC Pass  
 High 5000. 2000. 10000. 20000.  
 Low -20.00 -50.00 -50.00 -20.00

Method: SW846 Sample Name: 854846L  
 Run Time: 08/25/07 06:34:18  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

Operator:

23123NT2. txt

El em Uni ts	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	-32. 04	-4. 835	- . 8910	26. 56	. 3180	- . 1948	14680.
SDev	2. 17	. 858	. 8489	. 05	. 0860	. 2346	4.
%RSD	6. 766	17. 74	95. 28	. 1835	27. 04	120. 4	. 0251
#1	-33. 57	-4. 229	- . 2907	26. 59	. 3788	- . 3607	14690.
#2	-30. 50	-5. 442	-1. 491	26. 52	. 2572	- . 0289	14680.
Errors Hi gh Low	LC Pass 250000. -200. 0	LC Pass 2000. -10. 00	LC Pass 10000. -5. 000	LC Pass 20000. -20. 00	LC Pass 2000. -3. 000	LC Pass 5000. -5. 000	LC Pass 250000. -1000.
El em Uni ts	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	- . 2636	. 0816	1. 456	4914.	3061.	271. 1	. 2151
SDev	. 5509	. 0053	. 445	3.	4.	. 2	. 0775
%RSD	209. 0	6. 441	30. 57	. 0678	. 1467	. 0627	36. 05
#1	- . 6531	. 0779	1. 141	4916.	3058.	271. 2	. 1603
#2	. 1259	. 0853	1. 771	4911.	3065.	271. 0	. 2699
Errors Hi gh Low	LC Pass 10000. -10. 00	LC Pass 5000. -10. 00	LC Pass 25000. -25. 00	LC Pass 200000. -150. 0	LC Pass 250000. -1000.	LC Pass 10000. -15. 00	LC Pass 5000. -40. 00
El em Uni ts	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avge	597. 8	- . 0749	10380.	. 1305	-2. 923	- . 7819	1. 640
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SDev	8. 3	. 0291	75.	2. 076	. 004	. 1948	5. 559
%RSD	1. 387	38. 90	. 7266	1590.	. 1237	24. 92	338. 9
#1	603. 7	- . 0543	10330.	-1. 337	-2. 926	- . 9197	5. 571
#2	592. 0	- . 0955	10430.	1. 598	-2. 921	- . 6441	-2. 291
Errors Hi gh Low	LC Pass 100000. -2500.	LC Pass 2500. -10. 00	LC Pass 250000. -2500.	LC Pass 10000. -10. 00	LC Pass 5000. -20. 00	LC Pass 15000. -30. 00	NOCHECK
El em Uni ts	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	-3. 889	5. 733	. 6767	-2. 042	2. 362	32. 47	- . 7482
SDev	4. 760	. 036	3. 421	1. 324	2. 270	. 29	. 5117
%RSD	122. 4	. 6258	505. 4	64. 82	96. 12	. 8930	68. 39
#1	-7. 255	5. 707	3. 095	-2. 978	3. 967	32. 68	-1. 110
#2	- . 5233	5. 758	-1. 742	-1. 106	. 7566	32. 27	- . 3864
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. -6. 000	LC Pass 10000. -10. 00	LC Pass 2000. -50. 00	LC Pass 2000. -20. 00
El em Uni ts	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	- . 4388	2. 150	61. 68	. 2791			
SDev	. 2209	1. 802	. 02	. 0696			
%RSD	50. 35	83. 80	. 0297	24. 94			
#1	- . 2826	3. 424	61. 69	. 2299			
#2	- . 5950	. 8762	61. 66	. 3283			

Errors LC Pass LC Pass LC Pass LC Pass  
 High 5000. 2000. 10000. 20000.  
 Low -20.00 -50.00 -50.00 -20.00

Method: SW846 Sample Name: 854846MS Operator:

Run Time: 08/25/07 06:40:27

Comment:

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2306.	584.9	2215.	2347.	58.64	55.29	93670.
SDev	3.	6.5	6.	10.	.48	.60	575.
%RSD	.1374	1.105	.2657	.4187	.8152	1.081	.6139

#1	2308.	580.3	2211.	2340.	58.30	54.87	93260.
#2	2304.	589.5	2219.	2354.	58.98	55.71	94080.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	226.2	556.6	288.9	25050.	37500.	1891.	548.4
SDev	1.8	.5	1.7	172.	266.	12.	3.2
%RSD	.7971	.0816	.6056	.6846	.7082	.6568	.5846

#1	224.9	556.3	287.7	24930.	37320.	1882.	546.2
#2	227.5	556.9	290.1	25180.	37690.	1900.	550.7

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	23480.	55.38	73390.	2170.	583.2	580.1	566.4
SDev	102.	1.34	10.	1.	2.8	5.1	6.0
%RSD	.4360	2.426	.0140	.0667	.4787	.8824	1.068

#1	23550.	54.43	73380.	2169.	581.2	576.4	562.1
#2	23400.	56.33	73400.	2172.	585.2	583.7	570.7

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	567.2	2284.	2268.	566.9	2273.	728.1	.9848
SDev	8.7	28.	39.	7.8	36.	1.7	.6861
%RSD	1.542	1.229	1.736	1.384	1.567	.2346	69.67

#1	561.0	2264.	2240.	561.4	2248.	726.9	-1.470
#2	573.4	2304.	2295.	572.5	2298.	729.3	-.4997

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00



El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	561. 7	560. 0	869. 6	540. 0
SDev	3. 4	6. 0	2. 5	1. 6
%RSD	. 6073	1. 074	. 2870	. 2920
#1	559. 3	555. 7	867. 8	538. 8
#2	564. 2	564. 3	871. 4	541. 1
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	2000.	10000.	20000.
Low	-20. 00	-50. 00	-50. 00	-20. 00

Method: SW846 Sample Name: 854846A Operator:  
 Run Time: 08/25/07 06: 46: 37  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2226.	543. 7	2078.	2214.	55. 69	52. 40	92570.
SDev	.	2. 3	2.	1.	. 23	. 29	294.
%RSD	. 0212	. 4187	. 0920	. 0572	. 4140	. 5534	. 3174
#1	2226.	542. 1	2079.	2213.	55. 85	52. 60	92780.
#2	2225.	545. 3	2077.	2215.	55. 53	52. 19	92360.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	214. 2	528. 8	272. 5	24960.	36300.	1860.	522. 5
SDev	. 8	. 0	. 5	112.	105.	5.	. 5
%RSD	. 3522	. 0091	. 1885	. 4497	. 2894	. 2487	. 0900
#1	214. 7	528. 9	272. 2	25040.	36380.	1864.	522. 1
#2	213. 7	528. 8	272. 9	24880.	36230.	1857.	522. 8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	22360.	53. 94	71340.	2055.	553. 1	556. 0	534. 0
SDev	27.	. 08	162.	3.	1. 5	1. 9	5. 6
%RSD	. 1200	. 1558	. 2265	. 1262	. 2752	. 3427	1. 046
#1	22380.	53. 88	71450.	2053.	554. 2	557. 3	530. 0
#2	22340.	54. 00	71220.	2057.	552. 1	554. 7	537. 9

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	541. 2	2178.	2145.	538. 8	2156.	725. 5	-1. 407
SDev	. 3	12.	2.	2. 1	5.	1. 9	. 883

%RSD	. 0583	. 5553	. 0803	. 3843	. 2401	. 2555	62. 77
#1	541. 0	2169.	2144.	537. 4	2152.	724. 2	- . 7824
#2	541. 5	2186.	2146.	540. 3	2160.	726. 8	- 2. 031
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	533. 5	533. 7	834. 3	510. 3			
SDev	1. 9	1. 0	1. 5	. 6			
%RSD	. 3618	. 1814	. 1743	. 1187			
#1	534. 8	534. 4	833. 3	509. 9			
#2	532. 1	533. 0	835. 4	510. 8			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 854843 Operator:  
 Run Time: 08/25/07 06: 52: 47  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- 2. 169	- 1. 093	. 2124	235. 6	. 3978	- . 3025	69510.
SDev	. 507	. 947	. 8358	. 2	. 0400	. 1068	36.
%RSD	23. 38	86. 59	393. 5	. 0664	10. 05	35. 31	. 0521
#1	- 1. 810	- 1. 763	. 8034	235. 5	. 3695	- . 3780	69480.
#2	- 2. 527	- . 4239	- . 3786	235. 7	. 4260	- . 2270	69530.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2. 372	. 3852	. 8146	51910.	20410.	1375.	. 2591
SDev	. 454	. 1258	. 1762	25.	31.	2.	1. 217
%RSD	19. 14	32. 67	21. 64	. 0478	. 1534	. 1150	469. 6
#1	2. 051	. 4741	. 6900	51890.	20390.	1374.	- . 6014
#2	2. 693	. 2962	. 9392	51930.	20440.	1376.	1. 120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	2505.	- . 6562	57030.	2. 872	1. 428	- . 2239	- 1. 331
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SDev	7.	. 3737	64.	1. 718	. 750	. 0900	1. 093
%RSD	. 2799	56. 95	. 1119	59. 81	52. 55	40. 21	82. 11
#1	2509.	- . 3919	56990.	1. 658	1. 958	- . 2875	- 2. 103
#2	2500.	- . 9204	57080.	4. 087	. 8972	- . 1602	- . 5581

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Errors High	LC Pass 100000.	LC Pass 2500.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.	LC Pass 15000.	NOCHECK
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	3.953	2.947	-.0487	2.201	.9497	185.0	-.5830
SDev	.955	.054	3.9545	1.001	2.620	3.3	.8316
%RSD	24.15	1.820	8113.	45.46	275.8	1.785	142.6
#1	3.278	2.909	2.747	1.494	2.802	182.6	-1.171
#2	4.628	2.985	-2.845	2.909	-.9027	187.3	.0050
Errors High	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000.	LC Pass 10000.	LC Pass 2000.	LC Pass 2000.
Low				-6.000	-10.00	-50.00	-20.00
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb			
Avge	.7611	2.046	232.7	1.423			
SDev	.1025	.287	.0	.033			
%RSD	13.47	14.01	.0192	2.349			
#1	.6886	1.843	232.6	1.446			
#2	.8336	2.249	232.7	1.399			
Errors High	LC Pass 5000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.			
Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846      Sample Name: 854844      Operator:  
 Run Time: 08/25/07 06:58:57  
 Comment: 15061  
 Mode: CONC      Corr. Factor: 1

El em Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	44.90	-5.683	-3.560	322.7	.1839	-.2823	95350.
SDev	.70	4.116	1.093	.9	.0344	.0281	27.
%RSD	1.565	72.42	30.71	.2755	18.69	9.941	.0286
#1	45.40	-8.594	-2.787	322.1	.1596	-.3022	95330.
#2	44.41	-2.773	-4.333	323.3	.2082	-.2625	95370.
Errors High	LC Pass 250000.	LC Pass 2000.	LC Pass 10000.	LC Pass 20000.	LC Pass 2000.	LC Pass 5000.	LC Pass 250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni2316 ppb
Avge	1.412	.5202	.6366	67790.	20270.	4979.	.3914
SDev	.189	.3913	.2651	80.	40.	4.	.3149
%RSD	13.36	75.23	41.65	.1176	.1957	.0890	80.46
#1	1.546	.7969	.4491	67730.	20250.	4976.	.6141
#2	1.279	.2435	.8240	67840.	20300.	4982.	.1687
Errors High	LC Pass 10000.	LC Pass 5000.	LC Pass 25000.	LC Pass 200000.	LC Pass 250000.	LC Pass 10000.	LC Pass 5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
El em Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1

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Avge	3364.	. 1854	44210.	. 8719	1. 366	. 8969	-3. 673
SDev	18.	. 6356	136.	1. 052	1. 256	. 1037	1. 971
%RSD	. 5292	342. 8	. 3087	120. 7	91. 99	11. 56	53. 65
#1	3351.	. 6348	44110.	. 1279	2. 254	. 8236	-2. 280
#2	3376.	- . 2640	44310.	1. 616	. 4774	. 9702	-5. 066
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	. 9175	1. 850	-3. 494	- . 6042	-1. 713	164. 4	-1. 460
SDev	1. 447	. 329	3. 510	. 3078	2. 450	. 7	. 480
%RSD	157. 7	17. 78	100. 4	50. 93	143. 0	. 4329	32. 88
#1	- . 1059	1. 617	-5. 976	- . 8219	-3. 446	164. 9	-1. 121
#2	1. 941	2. 083	-1. 012	- . 3866	. 0193	163. 9	-1. 800

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6. 000	-10. 00	-50. 00	-20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	- . 3622	2. 612	363. 8	1. 332			
SDev	. 2678	2. 676	1. 0	. 199			
%RSD	73. 92	102. 4	. 2666	14. 91			
#1	- . 1729	4. 504	363. 1	1. 472			
#2	- . 5516	. 7204	364. 5	1. 191			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	-20. 00	-50. 00	-50. 00	-20. 00			

Method: SW846

Sample Name: 854845

Operator:

Run Time: 08/25/07 07:05:07

Comment: 15061

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-39. 89	-3. 588	- . 6920	52. 36	. 3971	- . 2821	36780.
SDev	2. 34	. 095	. 7731	. 09	. 0732	. 0863	167.
%RSD	5. 860	2. 635	111. 7	. 1795	18. 44	30. 59	. 4533
#1	-38. 24	-3. 655	-1. 239	52. 43	. 4488	- . 2211	36900.
#2	-41. 54	-3. 521	- . 1453	52. 30	. 3453	- . 3432	36660.

Errors Analysis Report

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Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 7144	- . 2762	2. 414	1363.	20570.	83. 52	. 0333

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SDev	. 7464	. 7630	. 505	5.	100.	. 45	. 2581
%RSD	104. 5	276. 2	20. 93	. 3657	. 4847	. 5408	775. 4
#1	- . 1866	. 2633	2. 771	1366.	20640.	83. 83	. 2158
#2	- 1. 242	- . 8158	2. 056	1359.	20500.	83. 20	- . 1492
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	4129.	- . 6454	49130.	. 7972	- 4. 257	1. 098	- 3. 302
SDev	26.	. 3218	298.	2. 967	. 725	. 247	. 582
%RSD	. 6228	49. 85	. 6063	372. 2	17. 04	22. 47	17. 64
#1	4111.	- . 4179	48920.	2. 895	- 3. 744	1. 272	- 3. 714
#2	4148.	- . 8729	49340.	- 1. 301	- 4. 770	. 9235	- 2. 890
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	2. 245	. 2583	- . 8199	. 4055	- . 4594	177. 7	- 1. 641
SDev	. 244	1. 708	2. 1124	. 3564	1. 9769	. 6	1. 218
%RSD	10. 85	661. 1	257. 6	87. 89	430. 3	. 3151	74. 23
#1	2. 073	1. 466	. 6738	. 1535	. 9385	178. 1	- . 7798
#2	2. 417	- . 9492	- 2. 314	. 6576	- 1. 857	177. 3	- 2. 503
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avge	28. 31	1. 098	249. 2	- . 3509			
SDev	. 02	. 053	. 2	. 1389			
%RSD	. 0650	4. 820	. 0917	39. 59			
#1	28. 32	1. 136	249. 0	- . 2527			
#2	28. 30	1. 061	249. 3	- . 4492			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846

Sample Name: CCV5

Operator:

Run Time: 08/25/07 07: 11: 18

Comment:

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	128200.	1023.	5006.	10120.	1042.	2505.	130700.
SDev	234.	4.	10.	36.	4.	3.	242.
%RSD	. 1828	. 4295	. 1987	. 3540	. 3660	. 1206	. 1852
#1	128100.	1020.	4999.	10100.	1039.	2508.	130600.
#2	128400.	1026.	5013.	10150.	1044.	2503.	130900.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

Hi gh	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895. 0	4475.	8950.	895. 0	2238.	112000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5123.	2535.	12770.	103800.	130400.	5176.	2498.
SDev	9.	3.	46.	215.	368.	20.	3.
%RSD	. 1830	. 1151	. 3608	. 2073	. 2821	. 3797	. 1393
#1	5116.	2537.	12740.	103700.	130100.	5162.	2500.
#2	5130.	2533.	12800.	104000.	130600.	5190.	2495.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49970.	1272.	123900.	4990.	2653.	7974.	10280.
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SDev	214.	4.	490.	9.	9.	15.	90.
%RSD	. 4285	. 3493	. 3953	. 1757	. 3306	. 1884	. 8749
#1	49820.	1269.	123600.	4996.	2647.	7963.	10220.
#2	50120.	1275.	124300.	4984.	2659.	7985.	10340.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	10390.	5174.	5163.	10350.	5167.	1036.	517. 7
SDev	54.	55.	27.	66.	36.	2.	. 9
%RSD	. 5231	1. 058	. 5187	. 6394	. 6987	. 1859	. 1666
#1	10350.	5136.	5144.	10310.	5142.	1037.	517. 1
#2	10430.	5213.	5182.	10400.	5193.	1035.	518. 3
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				11050.	5525.	1104.	552. 5
Low				8951.	4475.	896. 0	447. 5
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	2548.	1015.	5081.	9973.			
SDev	6.	7.	11.	10.			
%RSD	. 2460	. 6631	. 2146	. 0973			
#1	2543.	1020.	5073.	9966.			
#2	2552.	1010.	5089.	9980.			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	2760.	1104.	5520.	11040.			
Low	2239.	896. 0	4478.	8960.			

Method: SW846 Sample Name: CCB5 Operator:  
 Run Time: 08/25/07 07: 17: 28  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
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23123NT2. txt

Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-43.35	-1.187	3.440	.3435	.3767	.1672	-2.882
SDev	5.73	.391	2.291	.3794	.0354	.0275	3.814
%RSD	13.21	32.95	66.59	110.4	9.386	16.44	132.3
#1	-47.40	-1.463	H5.060	.0752	.3517	.1867	-5.579
#2	-39.30	-.9103	1.820	.6118	.4017	.1478	-.1849
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	10.00	5.000	100.0	2.000	4.000	1000.
Low	-200.0	-10.00	-5.000	-100.0	-2.000	-4.000	-1000.
Element	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0003	-.0726	2.409	-23.82	-6.361	.0503	.5146
SDev	.2795	.4458	.131	1.09	2.911	.2036	.0719
%RSD	90040.	613.7	5.435	4.567	45.76	404.7	13.97
#1	-.1980	-.3878	2.316	-23.05	-8.419	-.0936	.4638
#2	.1974	.2426	2.501	-24.59	-4.303	.1943	.5655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	50.00	25.00	150.0	1000.	15.00	40.00
Low	-10.00	-50.00	-25.00	-150.0	-1000.	-15.00	-40.00
Element	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	298.2	-.0647	151.0	1.151	-3.584	.0361	.1464
SDev	5.6	.1106	52.9	2.440	.249	.4212	1.447
%RSD	1.881	170.8	35.05	212.0	6.941	1168.	988.2
#1	294.3	.0135	113.6	2.877	-3.408	-.2617	-.8767
#2	302.2	-.1429	188.4	-.5742	-3.760	.3339	1.169
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	3000.	10.00	3000.	10.00	20.00	30.00	
Low	-3000.	-10.00	-3000.	-10.00	-20.00	-30.00	
Element	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.951	1.423	-2.753	1.356	-1.361	-.2039	-.4968
SDev	3.435	2.188	2.735	2.773	2.553	.4027	.3930
%RSD	176.1	153.7	99.36	204.5	187.6	197.5	79.10
#1	-.4778	-.1238	-4.686	-.6049	-3.166	.0809	-.7747
#2	4.380	2.970	-.8187	H3.316	.4440	-.4886	-.2189

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				3.000	5.000	50.00	10.00
Low				-3.000	-5.000	-50.00	-5.000
Element	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avg	.8847	.9682	.2389	.8875			
SDev	.4584	.7896	.1508	.2820			
%RSD	51.82	81.56	63.12	31.77			
#1	.5605	1.527	.1323	.6881			
#2	1.209	.4099	.3455	1.087			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			

Hi gh 20. 00 20. 00 50. 00 20. 00  
 Low -20. 00 -20. 00 -50. 00 -20. 00

Method: SW846 Sample Name: 854847 Operator:  
 Run Time: 08/25/07 07: 23: 38  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-57. 45	-5. 763	2. 271	. 1298	. 5346	-. 0839	16. 33
SDev	11. 56	3. 916	1. 690	. 0354	. 0162	. 0929	2. 22
%RSD	20. 11	67. 96	74. 43	27. 28	3. 032	110. 6	13. 58

#1	-49. 28	-8. 532	3. 466	. 1548	. 5461	-. 0183	17. 89
#2	-65. 62	-2. 994	1. 076	. 1048	. 5232	-. 1496	14. 76

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass  
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Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-. 1837	. 7345	2. 785	-16. 69	-9. 275	-. 1322	-. 1672
SDev	. 4703	. 3257	. 012	7. 27	2. 246	. 1362	. 2915
%RSD	256. 1	44. 35	. 4221	43. 59	24. 22	103. 0	174. 3

#1	-. 5162	. 5042	2. 777	-21. 83	-7. 687	-. 0359	-. 3733
#2	. 1489	. 9649	2. 793	-11. 55	-10. 86	-. 2285	. 0389

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	356. 5	. 3085	180. 6	3. 019	-2. 905	1. 054	. 9082
SDev	10. 0	. 7781	164. 5	2. 949	. 505	. 111	6. 038
%RSD	2. 792	252. 2	91. 10	97. 67	17. 37	10. 55	664. 8

#1	363. 5	. 8587	296. 9	5. 104	-2. 548	. 9757	5. 178
#2	349. 5	-. 2417	64. 25	. 9340	-3. 262	1. 133	-3. 361

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2. 638	5. 935	-1. 548	2. 068	. 9451	. 1209	-. 7242
SDev	2. 654	6. 504	1. 039	. 240	2. 859	. 6937	. 3195
%RSD	100. 6	109. 6	67. 11	11. 62	302. 5	573. 8	44. 11

#1	. 7612	10. 53	-. 8132	2. 238	2. 966	. 6114	-. 9501
#2	4. 515	1. 336	-2. 282	1. 898	-1. 076	-. 3696	-. 4983

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6. 000	-10. 00	-50. 00	-20. 00

El em Mo2020 Sn1899 Sr4215 Ti 3349



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Units	ppb	ppb	ppb	ppb
Avge	. 5621	1. 440	. 0670	. 4839
SDev	. 1689	. 512	. 0449	. 1683
%RSD	30. 04	35. 51	66. 95	34. 79
#1	. 6815	1. 079	. 0987	. 6029
#2	. 4427	1. 802	. 0353	. 3648
Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5000.	2000.	10000.	20000.
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00

Method: SW846 Sample Name: 855095 Operator:  
 Run Time: 08/25/07 07: 29: 46  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	103. 2	- 3. 639	- . 9339	145. 8	. 3294	- . 0928	94000.
SDev	10. 1	. 657	. 5347	. 3	. 0772	. 2308	16.
%RSD	9. 785	18. 05	57. 25	. 1869	23. 43	248. 7	. 0170
#1	96. 07	- 4. 103	- . 5558	146. 0	. 3840	- . 2560	94010.
#2	110. 4	- 3. 175	- 1. 312	145. 6	. 2748	. 0704	93990.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2. 281	. 4510	3. 272	38410.	23860.	1433.	1. 129
SDev	. 305	. 0581	. 093	4.	7.	4.	1. 151
%RSD	13. 36	12. 89	2. 828	. 0115	. 0308	. 2455	102. 0
#1	2. 065	. 4099	3. 337	38410.	23860.	1435.	. 3147
#2	2. 497	. 4921	3. 206	38410.	23850.	1430.	1. 943
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2316.	- . 0600	56040.	- . 7378	1. 595	10. 05	- 1. 500
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SDev	1.	. 6649	316.	4. 7276	1. 024	. 31	3. 496
%RSD	. 0312	1107.	. 5645	640. 8	64. 20	3. 130	233. 1
#1	2316.	- . 5302	56270.	2. 605	. 8711	10. 27	- 3. 972
#2	2317.	. 4101	55820.	- 4. 081	2. 320	9. 828	. 9722
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 6836	6. 110	1. 468	- . 0391	3. 015	230. 6	- . 6940
SDev	4. 931	3. 565	4. 785	4. 4581	4. 378	. 0	. 7594
%RSD	721. 3	58. 34	326. 0	11390.	145. 2	. 0069	109. 4

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#1	- 2. 803	3. 589	- 1. 915	- 3. 191	- . 0813	230. 6	- 1. 231
#2	4. 170	8. 631	4. 851	3. 113	6. 111	230. 7	- . 1570
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	. 9636	1. 211	386. 9	6. 011			
SDev	. 1958	2. 817	. 1	. 100			
%RSD	20. 32	232. 6	. 0355	1. 658			
#1	. 8251	- . 7808	387. 0	5. 941			
#2	1. 102	3. 202	386. 8	6. 082			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 855096 Operator:  
 Run Time: 08/25/07 07: 35: 55  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- 41. 82	- 6. 801	. 8895	136. 9	. 5446	- . 3167	67410.
SDev	6. 02	. 419	2. 428	. 7	. 0080	. 1042	132.
%RSD	14. 39	6. 155	273. 0	. 5464	1. 469	32. 90	. 1954
#1	- 37. 57	- 6. 505	2. 606	136. 4	. 5503	- . 3903	67310.
#2	- 46. 08	- 7. 097	- . 8273	137. 5	. 5390	- . 2430	67500.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1. 407	. 5108	2. 832	33310.	17310.	1039.	. 7758
SDev	. 785	. 2573	. 124	83.	67.	4.	. 2058
%RSD	55. 76	50. 38	4. 364	. 2494	. 3859	. 3819	26. 52
#1	1. 962	. 6927	2. 920	33250.	17260.	1036.	. 9213
#2	. 8522	. 3288	2. 745	33370.	17360.	1042.	. 6303
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	2063.	. 1116	44050.	- . 4700	. 0889	3. 284	- 2. 373
SDev	3.	. 1096	1.	2. 4316	. 1212	. 311	2. 825
%RSD	. 1401	98. 22	. 0031	517. 3	136. 4	9. 477	119. 0
#1	2061.	. 1891	44050.	- 2. 189	. 1746	3. 064	- . 3755
#2	2065.	. 0341	44050.	1. 249	. 0031	3. 505	- 4. 371
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	

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El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	. 4426	2. 039	- 3. 592	- . 4873	- 1. 715	267. 4	- . 8873
SDev	. 7586	. 115	3. 413	1. 4467	2. 315	. 0	. 7089
%RSD	171. 4	5. 656	95. 02	296. 9	135. 0	. 0169	79. 89
#1	. 9790	1. 957	- 6. 005	. 5357	- 3. 353	267. 4	- . 3861
#2	- . 0938	2. 120	- 1. 179	- 1. 510	- . 0781	267. 5	- 1. 389

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	. 4868	- . 7430	251. 9	. 9399			
SDev	. 0997	. 8778	. 7	. 0283			
%RSD	20. 47	118. 1	. 2926	3. 012			
#1	. 5573	- . 1223	251. 4	. 9199			
#2	. 4164	- 1. 364	252. 4	. 9599			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846

Sample Name: 855097

Operator:

Run Time: 08/25/07 07: 42: 04

Comment: 15061

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- 11. 13	- 4. 885	1. 057	16. 87	. 3353	- . 3512	11830.
SDev	4. 15	3. 909	. 006	. 03	. 0212	. 1364	20.
%RSD	37. 31	80. 04	. 5544	. 2053	6. 317	38. 85	. 1715
#1	- 14. 07	- 2. 120	1. 061	16. 85	. 3204	- . 2547	11840.
#2	- 8. 196	- 7. 649	1. 053	16. 90	. 3503	- . 4477	11810.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Analysi s	Report						page 340
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	. 2073	. 9317	3. 898	818. 2	7607.	16. 46	1. 049
SDev	. 0976	. 4525	. 156	10. 7	14.	. 07	. 376
%RSD	47. 09	48. 56	3. 993	1. 308	. 1833	. 4363	35. 87
#1	. 2764	1. 252	3. 788	825. 8	7617.	16. 51	1. 315
#2	. 1383	. 6118	4. 008	810. 6	7597.	16. 40	. 7829
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00

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El em Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1 ppb
Avge	4480.	. 4497	73310.	- 1. 441	- 3. 245	4. 444	. 0045
SDev	6.	. 4610	18.	1. 292	. 753	. 383	2. 510
%RSD	. 1350	102. 5	. 0252	89. 67	23. 20	8. 618	55800.
#1	4484.	- . 7757	73290.	- . 5275	- 3. 777	4. 173	1. 780
#2	4475.	- . 1237	73320.	- 2. 355	- 2. 713	4. 715	- 1. 771
Errors Hi gh Low	LC Pass 100000. - 2500.	LC Pass 2500. - 10. 00	LC Pass 250000. - 2500.	LC Pass 10000. - 10. 00	LC Pass 5000. - 20. 00	LC Pass 15000. - 30. 00	NOCHECK
El em Units	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	2. 474	3. 190	- 5. 374	1. 659	- 2. 521	206. 4	- . 8619
SDev	1. 272	2. 192	. 679	1. 685	. 277	. 4	. 5146
%RSD	51. 39	68. 73	12. 64	101. 6	10. 99	. 1790	59. 70
#1	3. 373	4. 740	- 5. 855	2. 850	- 2. 326	206. 2	- . 4981
#2	1. 575	1. 640	- 4. 894	. 4668	- 2. 717	206. 7	- 1. 226
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. - 6. 000	LC Pass 10000. - 10. 00	LC Pass 2000. - 50. 00	LC Pass 2000. - 20. 00
El em Units	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb			
Avge	107. 2	. 4175	90. 09	2. 442			
SDev	. 7	1. 268	. 07	. 268			
%RSD	. 6290	303. 6	. 0751	10. 95			
#1	107. 7	1. 314	90. 14	2. 253			
#2	106. 8	- . 4788	90. 04	2. 631			
Errors Hi gh Low	LC Pass 5000. - 20. 00	LC Pass 2000. - 50. 00	LC Pass 10000. - 50. 00	LC Pass 20000. - 20. 00			

Method: SW846 Sample Name: 855098  
 Run Time: 08/25/07 07: 48: 13  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator:

El em Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	- 57. 13	- 5. 395	3. 212	339. 6	. 5114	- . 2384	58690.
SDev	3. 92	1. 620	. 334	1. 6	. 0580	. 1214	74.
%RSD	6. 857	30. 04	10. 41	. 4674	11. 34	50. 90	. 1253
#1	- 54. 36	- 4. 249	3. 449	338. 5	. 5525	- . 1526	58740.
#2	- 59. 90	- 6. 541	2. 976	340. 7	. 4704	- . 3243	58630.
Errors Hi gh Low	LC Pass 250000. - 200. 0	LC Pass 2000. - 10. 00	LC Pass 10000. - 5. 000	LC Pass 20000. - 20. 00	LC Pass 2000. - 3. 000	LC Pass 5000. - 5. 000	LC Pass 250000. - 1000.
El em Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni2316 ppb
Avge	. 5776	. 2105	2. 674	36230.	22680.	857. 1	1. 874
SDev	. 3256	. 3249	. 102	10.	4.	. 4	. 320
%RSD	56. 37	154. 3	3. 821	. 0285	. 0195	. 0413	17. 09
#1	. 8079	- . 0192	2. 602	36240.	22680.	856. 8	2. 100

#2	. 3474	. 4402	2. 746	36220.	22680.	857. 3	1. 647
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	3989.	. 3311	17480.	1. 324	- . 8792	. 9416	- 1. 635
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SDev	14.	. 5868	. 29.	3. 144	1. 6318	. 0096	. 422
%RSD	. 3402	177. 2	. 1633	237. 4	185. 6	1. 023	25. 80

#1	3998.	. 7460	17460.	3. 547	. 2746	. 9348	- 1. 337
#2	3979.	- . 0838	17500.	- . 8985	- 2. 033	. 9484	- 1. 933

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	- . 9877	7. 123	- 5. 128	- 1. 199	- 1. 047	119. 4	- . 6677
SDev	3. 0172	1. 852	. 660	1. 877	. 177	. 2	. 1601
%RSD	305. 5	26. 00	12. 86	156. 6	16. 86	. 1392	23. 98

#1	- 3. 121	5. 814	- 4. 662	- 2. 526	- 1. 172	119. 2	- . 5545
#2	1. 146	8. 432	- 5. 595	. 1283	- . 9226	119. 5	- . 7809

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avge	. 3510	1. 439	198. 6	. 6975
SDev	. 1360	1. 359	. 5	. 0387
%RSD	38. 76	94. 45	. 2574	5. 553

#1	. 4472	. 4780	198. 2	. 7249
#2	. 2548	2. 400	198. 9	. 6701

Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5000.	2000.	10000.	20000.
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00

Method: SW846 Sample Name: 855099 Operator:  
 Run Time: 08/25/07 07: 54: 22  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- 36. 49	- 3. 384	1. 554	21. 17	. 3250	- . 1101	11850.
SDev	2. 31	. 552	. 025	. 08	. 0231	. 0929	48.
%RSD	6. 336	16. 32	1. 639	. 3725	7. 093	84. 36	. 4040

#1	- 38. 12	- 2. 994	1. 536	21. 11	. 3413	- . 0444	11890.
#2	- 34. 85	- 3. 775	1. 572	21. 22	. 3087	- . 1758	11820.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.

Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em Uni ts	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	. 0494	. 5892	2. 030	486. 3	21760.	62. 49	. 9437
SDev	. 3110	. 0574	. 041	7. 2	71.	. 23	. 6187
%RSD	628. 9	9. 745	2. 020	1. 479	. 3274	. 3696	65. 56
#1	. 1704	. 5486	2. 001	491. 3	21810.	62. 65	1. 381
#2	- . 2693	. 6298	2. 059	481. 2	21710.	62. 33	. 5062
Errors Hi gh Low	LC Pass 10000. - 10. 00	LC Pass 5000. - 10. 00	LC Pass 25000. - 25. 00	LC Pass 200000. - 150. 0	LC Pass 250000. - 1000.	LC Pass 10000. - 15. 00	LC Pass 5000. - 40. 00
El em Uni ts	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1 ppb
Avge	3514.	. 5621	35530.	5. 375	- 2. 246	3. 010	- 4. 068
SDev	17.	. 0319	8.	. 099	. 253	. 455	1. 237
%RSD	. 4935	5. 670	. 0236	1. 849	11. 25	15. 11	30. 41
#1	3526.	. 5396	35540.	5. 446	- 2. 067	3. 332	- 3. 193
#2	3502.	. 5847	35530.	5. 305	- 2. 424	2. 688	- 4. 943
Errors Hi gh Low	LC Pass 100000. - 2500.	LC Pass 2500. - 10. 00	LC Pass 250000. - 2500.	LC Pass 10000. - 10. 00	LC Pass 5000. - 20. 00	LC Pass 15000. - 30. 00	NOCHECK
El em Uni ts	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	3. 194	- . 0088	. 4171	. 7833	. 2762	213. 1	- . 9356
SDev	. 066	9. 2749	. 5243	. 3678	2. 739	1. 4	. 5448
%RSD	2. 075	104800.	125. 7	46. 95	991. 7	. 6641	58. 23
#1	3. 147	- 6. 567	. 7878	1. 043	- 1. 660	214. 1	- . 5504
#2	3. 241	6. 549	. 0463	. 5233	2. 213	212. 1	- 1. 321

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Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. - 6. 000	LC Pass 10000. - 10. 00	LC Pass 2000. - 50. 00	LC Pass 2000. - 20. 00
El em Uni ts	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	41. 78	. 9496	75. 76	. 4602			
SDev	. 66	. 2144	. 03	. 0551			
%RSD	1. 574	22. 57	. 0406	11. 96			
#1	42. 25	. 7980	75. 78	. 4992			
#2	41. 32	1. 101	75. 73	. 4213			
Errors Hi gh Low	LC Pass 5000. - 20. 00	LC Pass 2000. - 50. 00	LC Pass 10000. - 50. 00	LC Pass 20000. - 20. 00			

Method: SW846 Sample Name: 855100  
 Run Time: 08/25/07 08: 00: 32  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

Operator:

El em Uni ts	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
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Avge	-74.38	-5.011	.4752	.5619	.4295	-.2453	61.32
SDev	.75	.362	.7511	.0034	.0884	.0065	3.45
%RSD	1.009	7.226	158.1	.6041	20.58	2.665	5.629
#1	-73.85	-5.267	1.006	-.5595	.4920	-.2407	63.76
#2	-74.91	-4.755	-.0559	-.5644	.3670	-.2499	58.88
Errors Analysis	LC Pass Report	LC Pass	LC Pass	LC Pass 08/25/07	LC Pass 08:06:37 AM	LC Pass	LC Pass page 348
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
Element	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0553	1.013	2.977	-13.76	-12.76	-.4233	-.3559
SDev	.1862	.585	.556	7.32	3.86	.0679	.5538
%RSD	336.7	57.73	18.69	53.17	30.22	16.03	155.6
#1	-.1870	1.427	3.370	-18.94	-15.49	-.4713	-.7474
#2	.0764	.5995	2.584	-8.588	-10.03	-.3753	.0357
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
Element	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	369.5	.0529	324.6	-2.519	-3.433	1.254	5.777
SDev	14.8	.8846	46.7	5.683	.748	.004	3.798
%RSD	3.995	1671.	14.39	225.6	21.79	.3014	65.74
#1	379.9	.6785	291.6	-6.538	-2.904	1.257	8.463
#2	359.1	-.5726	357.7	1.499	-3.961	1.252	3.092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
Element	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	-2.939	3.783	-4.359	-.0284	-1.647	.8249	-.3295
SDev	.737	2.158	.380	.7731	.972	.6998	.7162
%RSD	25.08	57.05	8.724	2720.	59.05	84.84	217.4
#1	-3.460	5.309	-4.090	.5183	-.9591	1.320	-.8359
#2	-2.417	2.257	-4.627	-.5751	-2.334	.3300	.1769
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00
Element	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avge	.0730	.9548	-.1844	.0612			
SDev	.0681	.5079	.0250	.0202			
%RSD	93.26	53.20	13.55	33.05			
#1	.0249	1.314	-.2020	.0469			
#2	.1212	.5956	-.1667	.0755			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	5000.	2000.	10000.	20000.			

Low	- 20.00	- 50.00	- 50.00	- 20.00			
Method: SW846	Sample Name: 855185			Operator:			
Run Time: 08/25/07 08:06:42							
Comment: 15061							
Mode: CONC	Corr.	Factor: 1					
El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5361.	-2.528	4.802	52.07	.6271	-.1833	39470.
SDev	31.	.922	2.014	.45	.0304	.1191	281.
%RSD	.5817	36.48	41.93	.8707	4.846	64.97	.7113
#1	5339.	-3.181	6.226	51.75	.6056	-.0991	39270.
#2	5383.	-1.876	3.378	52.39	.6486	-.2676	39660.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.198	4.053	21.12	6901.	14170.	339.3	7.770
SDev	.272	.652	.52	45.	106.	2.5	.875
%RSD	3.783	16.08	2.483	.6483	.7455	.7470	11.26
#1	7.390	3.592	20.75	6869.	14100.	337.5	7.152
#2	7.005	4.514	21.49	6933.	14250.	341.1	8.389
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	5069.	.1044	64860.	1.042	11.77	47.89	9.987
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SDev	74.	.0909	350.	2.616	.29	.61	3.365
%RSD	1.457	87.05	.5400	251.0	2.424	1.266	33.69
#1	5017.	.0402	64610.	2.892	11.97	47.46	12.37
#2	5122.	.1687	65110.	-.8075	11.56	48.31	7.608
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	7.156	3.178	-.4457	8.107	.7626	154.8	4.513
SDev	.171	1.552	2.4601	1.007	1.123	1.8	.885
%RSD	2.385	48.84	552.0	12.42	147.3	1.160	19.61
#1	7.036	4.276	-2.185	8.819	-.0317	153.6	3.887
#2	7.277	2.081	1.294	7.395	1.557	156.1	5.139
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			



Avge	1. 814	1. 626	167. 0	162. 4
SDev	. 196	. 094	. 8	. 3
%RSD	10. 80	5. 770	. 5078	. 2128

#1	1. 676	1. 560	166. 4	162. 1
#2	1. 953	1. 692	167. 6	162. 6

Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5000.	2000.	10000.	20000.
Low	-20. 00	-50. 00	-50. 00	-20. 00

Method: SW846 Sample Name: 855186 Operator:  
 Run Time: 08/25/07 08:12:52  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	269. 0	-2. 970	. 1098	22. 72	. 2631	- . 1853	42330.
SDev	2. 2	. 822	1. 393	. 10	. 0040	. 0534	60.
%RSD	. 8059	27. 69	1269.	. 4287	1. 509	28. 79	. 1429

#1	267. 4	-3. 552	1. 095	22. 65	. 2603	- . 1476	42290.
#2	270. 5	-2. 389	- . 8754	22. 79	. 2660	- . 2230	42380.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 0985	. 8459	7. 037	633. 1	14370.	81. 65	1. 503
SDev	. 2270	. 9614	. 196	7. 0	21.	. 05	. 080
%RSD	230. 4	113. 7	2. 791	1. 113	. 1456	. 0619	5. 309

#1	. 0620	. 1661	6. 898	638. 0	14360.	81. 61	1. 560
#2	- . 2590	1. 526	7. 176	628. 1	14380.	81. 69	1. 447

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	4850.	. 2910	73500.	2. 230	-1. 377	21. 15	3. 791
SDev	45.	. 9523	304.	5. 399	1. 361	. 18	2. 086
%RSD	. 9271	327. 2	. 4133	242. 1	98. 88	. 8607	55. 02

#1	4819.	- . 3824	73290.	-1. 587	-2. 339	21. 28	2. 316
#2	4882.	. 9644	73720.	6. 047	- . 4141	21. 02	5. 266

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	- . 0477	8. 630	-4. 993	1. 237	- . 4560	160. 7	-1. 219
SDev	. 0989	8. 263	3. 451	. 762	5. 0532	. 8	. 625
%RSD	207. 2	95. 75	69. 10	61. 58	1108.	. 4939	51. 31

#1	- . 1177	2. 787	-7. 433	. 6985	-4. 029	160. 2	-1. 661
#2	. 0222	14. 47	-2. 553	1. 776	3. 117	161. 3	- . 7767

Analysis Report

Errors High Low	NOCHECK	NOCHECK	NOCHECK	LC Pass 20000. -6.000	LC Pass 10000. -10.00	LC Pass 2000. -50.00	LC Pass 2000. -20.00
Element Units	Mn2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti3349 ppb			
Average	1.023	2.328	179.5	8.923			
SDev	.004	1.307	.1	.082			
%RSD	.3484	56.15	.0492	.9137			
#1	1.026	1.404	179.4	8.865			
#2	1.021	3.253	179.5	8.980			
Errors High Low	LC Pass 5000. -20.00	LC Pass 2000. -50.00	LC Pass 10000. -50.00	LC Pass 20000. -20.00			

Method: SW846 Sample Name: 855187  
 Run Time: 08/25/07 08:19:02  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

Operator:

Element Units	Al3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Average	854.3	-4.561	-.6917	43.03	.5132	-.3557	11430.
SDev	3.7	2.910	.0797	.11	.0048	.0662	4.
%RSD	.4352	63.81	11.53	.2567	.9321	18.60	.0331
#1	856.9	-6.619	-.7481	42.95	.5099	-.4025	11430.
#2	851.7	-2.503	-.6353	43.11	.5166	-.3090	11430.

Errors High Low  
 Analysis Report  
 LC Pass 250000. -200.0  
 LC Pass 2000. -10.00  
 LC Pass 10000. -5.000  
 LC Pass 20000. -20.00  
 LC Pass 2000. -3.000  
 LC Pass 5000. -5.000  
 LC Pass 250000. -1000.  
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Element Units	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni2316 ppb
Average	.4106	.8878	9.288	1516.	3313.	57.49	1.317
SDev	.1788	1.170	.186	3.	1.	.07	.129
%RSD	43.53	131.8	1.998	.2274	.0401	.1247	9.816
#1	.2843	1.715	9.419	1519.	3314.	57.44	1.409
#2	.5370	.0604	9.156	1514.	3312.	57.54	1.226

Errors High Low  
 LC Pass 10000. -10.00  
 LC Pass 5000. -10.00  
 LC Pass 25000. -25.00  
 LC Pass 200000. -150.0  
 LC Pass 250000. -1000.  
 LC Pass 10000. -15.00  
 LC Pass 5000. -40.00

Element Units	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Average	5573.	-.3847	7696.	-.9000	-1.521	20.30	6.613
SDev	2.	.2326	92.	1.8440	.885	.15	1.671
%RSD	.0288	60.46	1.191	204.9	58.20	.7491	25.26
#1	5571.	-.2202	7761.	-2.204	-.8949	20.41	5.432
#2	5574.	-.5492	7632.	.4039	-2.147	20.19	7.795

Errors High Low  
 LC Pass 2203/1  
 LC Pass 2203/1  
 LC Pass 2203/1  
 LC Pass 2203/1  
 LC Pass 2203/1  
 LC Pass 2203/1  
 LC Pass 2203/1  
 NOCHECK

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Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avge	3.300	6.934	-6.694	4.409	-2.154	31.65	-1.033
SDev	.494	3.733	.525	.227	1.592	.69	.515
%RSD	14.96	53.83	7.838	5.146	73.92	2.186	49.87
#1	3.649	9.574	-6.323	4.249	-1.028	32.14	-.6685
#2	2.951	4.295	-7.065	4.570	-3.280	31.16	-1.397
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00
El em	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avge	1.323	1.759	48.43	26.73			
SDev	.899	.817	.05	.30			
%RSD	67.97	46.47	.0936	1.140			
#1	1.959	2.337	48.40	26.95			
#2	.6872	1.181	48.47	26.52			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	-20.00	-50.00	-50.00	-20.00			

Method: SW846 Sample Name: CCV6 Operator:  
 Run Time: 08/25/07 08:25:13  
 Comment:  
 Mode: CONC Corr. Factor: 1

El em	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	126800.	1034.	4967.	10000.	1046.	2494.	131000.
SDev	50.	15.	17.	36.	6.	3.	484.
%RSD	.0395	1.422	.3436	.3633	.5905	.1290	.3691
#1	126800.	1023.	4954.	9976.	1042.	2492.	130600.
#2	126900.	1044.	4979.	10030.	1051.	2496.	131300.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895.0	4475.	8950.	895.0	2238.	112000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5119.	2519.	12630.	103900.	130700.	5179.	2467.
SDev	14.	1.	39.	428.	679.	25.	3.
%RSD	.2756	.0481	.3069	.4118	.5192	.4834	.1037
#1	5109.	2518.	12600.	103600.	130300.	5161.	2465.
#2	5129.	2520.	12660.	104200.	131200.	5196.	2469.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	49660.	1262.	122900.	4881.	2660.	8083.	10280.

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SDev	123.	5.	66.	1.	15.	34.	56.
%RSD	. 2483	. 4330	. 0541	. 0251	. 5747	. 4235	. 5442
#1	49740.	1258.	122900.	4882.	2650.	8059.	10240.
#2	49570.	1266.	122800.	4880.	2671.	8107.	10320.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	10380.	5185.	5116.	10350.	5139.	1023.	511. 1
SDev	17.	39.	6.	30.	17.	6.	. 2
%RSD	. 1617	. 7612	. 1117	. 2883	. 3299	. 5939	. 0319
#1	10360.	5157.	5112.	10320.	5127.	1018.	511. 0
#2	10390.	5213.	5120.	10370.	5151.	1027.	511. 2
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				11050.	5525.	1104.	552. 5
Low				8951.	4475.	896. 0	447. 5
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	2547.	1019.	5003.	9817.			
SDev	9.	1.	11.	14.			
%RSD	. 3585	. 0598	. 2217	. 1409			
#1	2541.	1020.	4995.	9807.			
#2	2553.	1019.	5011.	9827.			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	2760.	1104.	5520.	11040.			
Low	2239.	896. 0	4478.	8960.			

Method: SW846

Sample Name: CCB6

Operator:

Run Time: 08/25/07 08: 31: 23

Comment:

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- 54. 31	- 3. 494	- 1. 172	. 5477	. 4520	- . 0294	15. 28
SDev	6. 98	1. 725	. 766	. 5290	. 0216	. 0405	5. 68
%RSD	12. 84	49. 37	65. 34	96. 59	4. 786	137. 8	37. 15
#1	- 59. 24	- 4. 714	- . 6304	. 1736	. 4367	- . 0008	11. 27
#2	- 49. 38	- 2. 274	- 1. 713	. 9218	. 4673	- . 0580	19. 30
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
Low	- 200. 0	- 10. 00	- 5. 000	- 100. 0	- 2. 000	- 4. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	- . 2616	- . 0278	2. 978	- 18. 74	- 6. 326	- . 0203	- . 0894
SDev	. 0052	. 0112	. 290	2. 02	8. 735	. 2402	. 4477
%RSD	1. 969	40. 08	9. 728	10. 76	138. 1	1186.	500. 9
#1	- . 2653	- . 0200	2. 773	- 20. 16	- 12. 50	- . 1901	- . 4059
#2	- . 2580	- . 0357	3. 183	- 17. 31	- . 1501	. 1496	. 2272

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	50.00	25.00	150.0	1000.	15.00	40.00
Low	-10.00	-50.00	-25.00	-150.0	-1000.	-15.00	-40.00
Element	K_7664	Ag3280	Na3302	Tl1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	365.4	.0564	130.7	.7000	-3.679	1.494	1.602
SDev	23.3	.6908	7.8	2.483	1.372	.657	4.615
%RSD	6.365	1224.	5.973	354.7	37.29	43.96	288.1
#1	349.0	.4321	136.3	-1.056	-2.709	1.030	-1.661
#2	381.9	-.5449	125.2	2.456	-4.649	1.959	4.866

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	3000.	10.00	3000.	10.00	20.00	30.00	
Low	-3000.	-10.00	-3000.	-10.00	-20.00	-30.00	
Element	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	1.158	3.454	-1.957	1.310	-.1539	-1.273	-1.749
SDev	1.357	3.926	2.053	2.447	.0622	.254	.207
%RSD	117.2	113.7	104.9	186.7	40.43	19.98	11.85
#1	.1985	6.230	-3.409	-.4199	-.1979	-1.093	-1.603
#2	2.118	.6780	-.5047	H3.041	-.1099	-1.453	-1.896

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High				3.000	5.000	50.00	10.00
Low				-3.000	-5.000	-50.00	-5.000
Element	Mo2020	Sn1899	Sr4215	Ti3349			
Units	ppb	ppb	ppb	ppb			
Avg	.4196	-.0081	.3382	.9166			
SDev	.2527	.9164	.2744	.4772			
%RSD	60.22	11360.	81.12	52.06			
#1	.2409	.6399	.1442	.5792			
#2	.5982	-.6561	.5322	1.254			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.00	20.00	50.00	20.00			
Low	-20.00	-20.00	-50.00	-20.00			

Method: SW846  
Run Time: 08/25/07 08:37:33  
Comment: 15061  
Mode: CONC Corr. Factor: 1

Sample Name: 855188

Operator:

Element	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.002	-6.447	1.687	21.44	.5892	-.0928	74570.
SDev	5.538	1.183	.204	.04	.0224	.0472	515.
%RSD	138.4	18.34	12.11	.1697	3.798	50.83	.6903
#1	-.0856	-7.283	1.831	21.47	.5733	-.0594	74200.
#2	-7.917	-5.611	1.542	21.42	.6050	-.1261	74930.

Errors  
Analysis Report

LC Pass  
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LC Pass

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Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200. 0	-10. 00	-5. 000	-20. 00	-3. 000	-5. 000	-1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1. 151	. 6918	12. 82	-9. 919	27900.	2. 419	1. 704
SDev	. 239	. 6632	. 45	9. 488	203.	. 067	. 317
%RSD	20. 74	95. 87	3. 521	95. 66	. 7275	2. 753	18. 63
#1	- . 9820	1. 161	12. 50	-3. 209	27750.	2. 371	1. 479
#2	-1. 319	. 2228	13. 14	-16. 63	28040.	2. 466	1. 928
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10. 00	-10. 00	-25. 00	-150. 0	-1000.	-15. 00	-40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11560.	. 1594	148700.	-2. 062	-2. 462	50. 99	4. 540
SDev	119.	. 1611	880.	2. 022	. 642	. 21	5. 971
%RSD	1. 030	101. 1	. 5919	98. 07	26. 08	. 4096	131. 5
#1	11470.	. 0454	148100.	-3. 492	-2. 008	51. 13	. 3185
#2	11640.	. 2733	149400.	- . 6321	-2. 916	50. 84	8. 762
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10. 00	-2500.	-10. 00	-20. 00	-30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	-3. 046	3. 262	- . 0025	- . 5137	1. 086	385. 8	-1. 619
SDev	. 189	2. 468	. 2321	1. 8619	. 976	1. 8	. 041
%RSD	6. 221	75. 64	9183.	362. 4	89. 85	. 4758	2. 524
#1	-2. 912	5. 007	. 1616	-1. 830	1. 776	384. 5	-1. 590
#2	-3. 180	1. 517	- . 1666	. 8028	. 3961	387. 1	-1. 647
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6. 000	-10. 00	-50. 00	-20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	1. 794	. 4305	329. 0	- . 4391			
SDev	. 645	3. 533	1. 5	. 1344			
%RSD	35. 99	820. 7	. 4580	30. 61			
#1	2. 250	-2. 068	327. 9	- . 3441			
#2	1. 337	2. 929	330. 0	- . 5342			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	-20. 00	-50. 00	-50. 00	-20. 00			

Method: SW846 Sample Name: 855189 Operator:

Run Time: 08/25/07 08: 43: 42

Comment: 15061

Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	542. 8	-4. 665	. 7794	18. 79	. 3704	. 0212	13280.

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SDev	1. 2	1. 228	2. 005	. 05	. 0581	. 1353	20.
%RSD	. 2273	26. 33	257. 3	. 2566	15. 69	638. 7	. 1531
#1	543. 7	- 3. 796	- . 6387	18. 75	. 4115	. 1169	13300.
#2	541. 9	- 5. 533	2. 197	18. 82	. 3293	- . 0745	13270.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1. 396	. 6108	8. 804	1095.	3314.	85. 08	2. 268
SDev	. 041	. 1295	. 268	6.	7.	. 29	. 119
%RSD	2. 944	21. 20	3. 046	. 5348	. 2112	. 3415	5. 245
#1	1. 425	. 7023	8. 615	1099.	3319.	85. 28	2. 184
#2	1. 367	. 5192	8. 994	1091.	3309.	84. 87	2. 352
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	1711.	. 0253	19240.	2. 070	- . 5860	22. 30	5. 579
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SDev	4.	. 1392	149.	. 846	. 0021	. 05	3. 067
%RSD	. 2366	551. 0	. 7756	40. 86	. 3660	. 2423	54. 96
#1	1708.	- . 0732	19350.	2. 668	- . 5875	22. 27	3. 411
#2	1714.	. 1237	19140.	1. 472	- . 5844	22. 34	7. 748
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avg	5. 482	7. 082	- 3. 458	5. 522	. 0529	31. 78	. 1964
SDev	1. 735	2. 486	. 237	2. 179	. 6700	. 20	. 9806
%RSD	31. 65	35. 11	6. 852	39. 45	1265.	. 6289	499. 4
#1	4. 255	8. 840	- 3. 625	3. 982	. 5267	31. 92	- . 4970
#2	6. 710	5. 324	- 3. 290	7. 063	- . 4208	31. 63	. 8898
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avg	. 9566	. 7535	58. 07	18. 09			
SDev	. 0344	. 8336	. 02	. 04			
%RSD	3. 594	110. 6	. 0287	. 2009			
#1	. 9809	. 1641	58. 08	18. 07			
#2	. 9322	1. 343	58. 06	18. 12			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: 855190 Operator:  
 Run Time: 08/25/07 08:49:51  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	573.9	-6.578	1.134	25.36	.5718	- .1813	19070.
SDev	8.8	1.796	.210	.07	.0328	.4091	44.
%RSD	1.539	27.31	18.50	.2931	5.745	225.7	.2305

#1	580.2	-5.308	1.282	25.30	.5951	.1080	19100.
#2	567.7	-7.848	.9857	25.41	.5486	- .4705	19040.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-20.00	-3.000	-5.000	-1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4401	.7107	7.842	1232.	5308.	97.16	.9605
SDev	.3650	.5075	.003	7.	4.	.15	.1701
%RSD	82.94	71.41	.0380	.5994	.0803	.1578	17.72

#1	.6982	.3518	7.844	1237.	5311.	97.26	.8402
#2	.1820	1.069	7.840	1227.	5305.	97.05	1.081

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-10.00	-10.00	-25.00	-150.0	-1000.	-15.00	-40.00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1781.	- .1022	27540.	- .1089	-1.111	24.86	6.730
SDev	10.	.4778	210.	.8294	.489	.01	5.037
%RSD	.5460	467.4	.7608	761.6	44.04	.0233	74.84

#1	1788.	.2356	27690.	- .6954	- .7654	24.86	10.29
#2	1774.	- .4401	27390.	.4776	-1.458	24.85	3.168

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	-2500.	-10.00	-2500.	-10.00	-20.00	-30.00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	4.150	5.592	-9.544	5.016	-4.503	34.53	- .6338
SDev	1.229	2.892	3.588	2.498	1.430	.91	.6600
%RSD	29.61	51.72	37.60	49.81	31.77	2.644	104.1

#1	5.019	7.637	-12.08	6.782	-5.515	35.18	- .1672
#2	3.281	3.547	-7.007	3.249	-3.492	33.89	-1.101

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				-6.000	-10.00	-50.00	-20.00

El em	Mo2020	Sn1899	Sr4215	Ti 3349
Units	ppb	ppb	ppb	ppb
Avg	.7566	1.705	82.83	19.31



SDev	. 1948	. 042	. 02	. 04
%RSD	25. 74	2. 442	. 0209	. 2288
#1	. 8943	1. 734	82. 84	19. 27
#2	. 6189	1. 675	82. 81	19. 34
Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5000.	2000.	10000.	20000.
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00

Method: SW846 Sample Name: 855191 Operator:  
 Run Time: 08/25/07 08: 56: 00  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	200. 7	- 4. 507	2. 696	22. 48	. 4342	- . 3359	40720.
SDev	. 8	1. 122	1. 182	. 06	. 0036	. 0782	105.
%RSD	. 4024	24. 89	43. 85	. 2769	. 8276	23. 29	. 2588
#1	201. 3	- 3. 714	3. 533	22. 44	. 4367	- . 2806	40790.
#2	200. 1	- 5. 301	1. 860	22. 52	. 4316	- . 3912	40640.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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Hi gh	250000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	- 200. 0	- 10. 00	- 5. 000	- 20. 00	- 3. 000	- 5. 000	- 1000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	- . 2195	- . 0364	8. 816	605. 4	13790.	79. 06	3. 056
SDev	. 3291	. 5171	. 254	8. 6	25.	. 25	. 275
%RSD	149. 9	1421.	2. 877	1. 428	. 1787	. 3179	9. 008
#1	. 0132	. 3292	8. 995	611. 5	13810.	79. 24	3. 250
#2	- . 4522	- . 4020	8. 637	599. 3	13770.	78. 89	2. 861

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	- 10. 00	- 10. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00

El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	4662.	- . 1926	68710.	1. 445	- 2. 258	20. 61	5. 495
SDev	24.	1. 2009	453.	6. 898	1. 127	. 79	1. 111
%RSD	. 5122	623. 7	. 6591	477. 4	49. 89	3. 811	20. 22
#1	4645.	. 6566	68390.	6. 323	- 1. 462	21. 17	6. 281
#2	4678.	- 1. 042	69030.	- 3. 433	- 3. 055	20. 06	4. 710

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	100000.	2500.	250000.	10000.	5000.	15000.	
Low	- 2500.	- 10. 00	- 2500.	- 10. 00	- 20. 00	- 30. 00	

El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	- . 5534	9. 813	- 3. 619	1. 465	. 8557	158. 7	- . 7240
SDev	2. 4900	2. 420	. 814	2. 026	. 2637	. 6	. 5583
%RSD	449. 9	24. 66	22. 49	138. 3	30. 82	. 3522	77. 11
#1	1. 207	8. 102	- 3. 043	2. 898	. 6693	159. 1	- 1. 119

#2	- 2. 314	11. 52	- 4. 194	. 0326	1. 042	158. 3	- . 3292
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				20000.	10000.	2000.	2000.
Low				- 6. 000	- 10. 00	- 50. 00	- 20. 00
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	1. 109	1. 193	169. 7	7. 969			
SDev	. 199	1. 272	. 1	. 351			
%RSD	17. 91	106. 5	. 0665	4. 409			
#1	1. 249	2. 093	169. 7	8. 217			
#2	. 9684	. 2943	169. 8	7. 720			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	5000.	2000.	10000.	20000.			
Low	- 20. 00	- 50. 00	- 50. 00	- 20. 00			

Method: SW846 Sample Name: ICSA3 Operator:  
 Run Time: 08/25/07 09: 02: 09  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	527800.	L- 10. 88	- 1. 579	- 1. 669	. 1519	2. 080	529700.
SDev	1113.	. 06	. 833	. 013	. 0906	. 534	3786.
%RSD	. 2109	. 5111	52. 73	. 7916	59. 63	25. 68	. 7147
#1	528600.	L- 10. 84	- 2. 168	- 1. 679	. 2160	2. 457	532400.
#2	527000.	L- 10. 92	- . 9905	- 1. 660	. 0878	1. 702	527100.
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	600000.	10. 00	8. 000	100. 0	2. 000	5. 000	600000.
Low	400000.	- 10. 00	- 8. 000	- 100. 0	- 2. 000	- 5. 000	400000.
El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1. 780	. 0590	. 4463	217600.	591200.	- 1. 551	9. 490
SDev	. 319	. 4092	. 5606	1484.	4077.	. 065	1. 220
%RSD	17. 90	694. 2	125. 6	. 6821	. 6897	4. 161	12. 85
#1	2. 006	. 3483	. 8427	218700.	594100.	- 1. 505	10. 35
#2	1. 555	- . 2304	. 0498	216600.	588300.	- 1. 597	8. 628
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	20. 00	25. 00	240000.	600000.	15. 00	40. 00
Low	- 10. 00	- 20. 00	- 25. 00	160000.	400000.	- 15. 00	- 40. 00
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	327. 2	- . 0550	120. 9	- 6. 402	- 3. 980	2. 516	15. 21
Analysi s	Report			08/25/07 09: 08: 14 AM			page 375

SDev	25. 1	. 6237	241. 8	3. 647	. 416	. 818	2. 58
%RSD	7. 677	1134.	200. 0	56. 97	10. 46	32. 50	16. 96
#1	344. 9	. 3860	291. 9	- 8. 981	- 4. 275	3. 094	17. 04
#2	309. 4	- . 4960	- 50. 10	- 3. 823	- 3. 686	1. 938	13. 39

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	5000.	10. 00	5000.	10. 00	20. 00	30. 00	

23123NT2. txt

Low	- 5000.	- 10. 00	- 5000.	- 10. 00	- 20. 00	- 30. 00	
El em Uni ts	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	- 29. 79	- 7. 197	8. 645	L- 14. 80	3. 371	- 1. 693	- 1. 195
SDev	1. 39	2. 626	7. 484	. 07	5. 866	. 781	. 208
%RSD	4. 652	36. 49	86. 56	. 4406	174. 0	46. 17	17. 43
#1	- 30. 77	- 5. 340	13. 94	L- 14. 85	7. 519	- 2. 245	- 1. 048
#2	- 28. 81	- 9. 055	3. 354	L- 14. 76	- . 7773	- 1. 140	- 1. 342
Errors Hi gh Low	NOCHECK	NOCHECK	NOCHECK	LC Low 5. 000 - 5. 000	LC Pass 10. 00 - 10. 00	NOCHECK	LC Pass 20. 00 - 20. 00
El em Uni ts	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	- 2. 167	1. 102	. 5197	- 11. 13			
SDev	. 169	1. 528	. 0157	. 11			
%RSD	7. 791	138. 7	3. 018	. 9682			
#1	- 2. 287	. 0215	. 5308	- 11. 06			
#2	- 2. 048	2. 182	. 5086	- 11. 21			
Errors Hi gh Low	LC Pass 20. 00 - 20. 00	LC Pass 50. 00 - 50. 00	LC Pass 20. 00 - 20. 00	LC Pass 20. 00 - 20. 00			

Method: SW846

Sample Name: ICSAB3

Operator:

Run Time: 08/25/07 09: 08: 18

Comment: 15061

Mode: CONC Corr. Factor: 1

El em Uni ts	Al 3082 ppb	Sb2068 ppb	As1890 ppb	Ba4934 ppb	Be3130 ppb	Cd2265 ppb	Ca3179 ppb
Avge	531500.	107. 4	102. 4	109. 0	108. 8	102. 9	534100.
SDev	1754.	2. 4	2. 6	. 7	1. 2	. 8	4730.
%RSD	. 3301	2. 261	2. 499	. 6108	1. 111	. 8176	. 8855
#1	530200.	105. 6	100. 6	108. 5	107. 9	102. 3	530800.
#2	532700.	109. 1	104. 2	109. 5	109. 6	103. 4	537500.
Errors Hi gh Low	LC Pass 600000. 400000.	LC Pass 120. 0 80. 00	LC Pass 120. 0 80. 00	LC Pass 120. 0 80. 00	LC Pass 120. 0 80. 00	LC Pass 120. 0 80. 00	LC Pass 600000. 400000.
El em Uni ts	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	107. 5	102. 2	110. 5	218700.	592900.	107. 3	109. 3
SDev	. 9	1. 5	. 6	1702.	5268.	. 9	. 8
%RSD	. 8085	1. 453	. 5510	. 7782	. 8885	. 8831	. 7156
#1	106. 9	101. 1	110. 1	217500.	589200.	106. 6	108. 7
#2	108. 1	103. 2	110. 9	219900.	596600.	107. 9	109. 8
Errors Hi gh Low	LC Pass 120. 0 80. 00	LC Pass 120. 0 80. 00	LC Pass 120. 0 80. 00	LC Pass 240000. 160000.	LC Pass 600000. 400000.	LC Pass 120. 0 80. 00	LC Pass 120. 0 80. 00
El em Uni ts	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1
Avge	10780.	106. 6	10610.	99. 53	106. 5	109. 4	123. 5
SDev	18.	1. 9	80.	6. 06	1. 7	1. 8	14. 2
%RSD	. 1685	1. 785	. 7544	6. 088	1. 607	1. 691	11. 50

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#1	10790.	105. 3	10550.	103. 8	105. 3	108. 1	113. 4
#2	10770.	108. 0	10660.	95. 25	107. 7	110. 7	133. 5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	12000.	120. 0	12000.	120. 0	120. 0	120. 0	
Low	800. 0	80. 00	800. 0	80. 00	80. 00	80. 00	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Uni ts				ppb	ppb	ppb	ppb
Avge	80. 23	97. 78	108. 4	94. 63	104. 9	106. 4	- 1. 925
SDev	1. 72	5. 67	2. 0	3. 58	. 5	1. 9	. 227
%RSD	2. 148	5. 800	1. 873	3. 782	. 5089	1. 815	11. 77
#1	81. 45	93. 77	109. 9	92. 10	104. 5	105. 1	- 1. 765
#2	79. 01	101. 8	107. 0	97. 16	105. 3	107. 8	- 2. 085

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh				120. 0	120. 0	120. 0	
Low				80. 00	80. 00	80. 00	
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Uni ts	ppb	ppb	ppb	ppb			
Avge	105. 6	107. 2	111. 5	93. 63			
SDev	. 5	1. 6	. 4	. 05			
%RSD	. 4881	1. 528	. 3698	. 0559			
#1	106. 0	106. 1	111. 2	93. 67			
#2	105. 3	108. 4	111. 8	93. 59			

Errors	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	120. 0	120. 0	120. 0	120. 0
Low	80. 00	80. 00	80. 00	80. 00

Method: SW846  
Run Time: 08/25/07 09: 14: 28  
Comment: 15061  
Mode: CONC

Sample Name: CCV7  
Operator:  
Corr. Factor: 1

Operator:

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	129900.	1091.	5157.	10300.	1104.	2613.	H139100.
SDev	212.	10.	7.	25.	1.	8.	212.
%RSD	. 1630	. 9296	. 1268	. 2466	. 1110	. 3140	. 1523
#1	130100.	1098.	5152.	10320.	1104.	2607.	H139200.
#2	129800.	1084.	5161.	10290.	1103.	2618.	H138900.

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC High  
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Hi gh	138000.	1105.	5525.	11050.	1105.	2762.	138100.
Low	112000.	895. 0	4475.	8950.	895. 0	2238.	112000.

El em	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni 2316
Uni ts	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5354.	2612.	13030.	109400.	136800.	5433.	2554.
SDev	5.	10.	47.	185.	238.	15.	13.
%RSD	. 1014	. 3971	. 3620	. 1696	. 1742	. 2753	. 4917

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#1	5357.	2605.	13060.	109500.	137000.	5444.	2545.
#2	5350.	2620.	13000.	109200.	136700.	5423.	2563.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.
El em	K_7664	Ag3280	Na3302	Tl 1908	V_2924	Zn2062	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avg	50820.	1306.	125600.	5017.	H2796.	H8603.	10660.
SDev	456.	3.	252.	41.	9.	10.	46.
%RSD	. 8975	. 2320	. 2008	. 8220	. 3138	. 1157	. 4299
#1	51150.	1308.	125800.	4988.	H2802.	H8610.	10630.
#2	50500.	1304.	125400.	5046.	H2789.	H8596.	10690.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Hi gh	LC Hi gh	NOCHECK
Hi gh	55250.	1381.	138100.	5524.	2762.	8285.	
Low	44750.	1120.	112000.	4475.	2238.	6714.	
El em	2203/2	1960/1	1960/2	Pb2203	Se1960	B_2496	La3988
Units				ppb	ppb	ppb	ppb
Avg	10810.	5373.	5254.	10760.	5294.	1056.	527. 6
SDev	12.	5.	27.	24.	16.	2.	. 3
%RSD	. 1147	. 0936	. 5155	. 2187	. 3097	. 1469	. 0654
#1	10800.	5377.	5235.	10750.	5282.	1054.	527. 3
#2	10820.	5369.	5274.	10780.	5305.	1057.	527. 8
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				11050.	5525.	1104.	552. 5
Low				8951.	4475.	896. 0	447. 5
El em	Mo2020	Sn1899	Sr4215	Ti 3349			
Units	ppb	ppb	ppb	ppb			
Avg	2663.	1065.	5143.	10140.			
SDev	3.	8.	3.	14.			
%RSD	. 1129	. 7568	. 0623	. 1402			
#1	2661.	1059.	5145.	10130.			
#2	2665.	1070.	5141.	10150.			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	2760.	1104.	5520.	11040.			
Low	2239.	896. 0	4478.	8960.			

Method: SW846 Sample Name: CCB7  
 Run Time: 08/25/07 09:20:38  
 Comment: 15061  
 Mode: CONC Corr. Factor: 1

Operator:

El em	Al 3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-26. 92	- . 6380	1. 265	. 8136	. 7207	. 3319	51. 44
SDev	19. 73	4. 5109	. 820	. 4837	. 0989	. 1152	24. 40
%RSD	73. 28	707. 0	64. 84	59. 45	13. 73	34. 70	47. 43
#1	-40. 87	2. 552	. 6851	. 4716	. 6507	. 2505	34. 19
#2	-12. 97	-3. 828	1. 845	1. 156	. 7907	. 4134	68. 70
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	200. 0	10. 00	5. 000	100. 0	2. 000	4. 000	1000.
Low	-200. 0	-10. 00	-5. 000	-100. 0	-2. 000	-4. 000	-1000.

23123NT2. txt

El em Uni ts	Cr2677 ppb	Co2286 ppb	Cu3247 ppb	Fe2714 ppb	Mg2790 ppb	Mn2576 ppb	Ni 2316 ppb
Avge	. 0392	. 3905	4. 565	4. 985	37. 14	. 2784	. 7638
SDev	. 5101	. 3108	. 732	. 894	13. 71	. 1926	. 1263
%RSD	1303.	79. 60	16. 03	17. 92	36. 90	69. 21	16. 54
#1	. 3216	. 6102	4. 047	4. 353	27. 45	. 1421	. 6745
#2	- . 3999	. 1707	5. 082	5. 617	46. 83	. 4146	. 8531
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh	10. 00	50. 00	25. 00	150. 0	1000.	15. 00	40. 00
Low	- 10. 00	- 50. 00	- 25. 00	- 150. 0	- 1000.	- 15. 00	- 40. 00
El em Uni ts	K_7664 ppb	Ag3280 ppb	Na3302 ppb	Tl 1908 ppb	V_2924 ppb	Zn2062 ppb	2203/1 ppb
Avge	395. 9	. 3339	258. 0	. 2771	- 2. 877	1. 591	2. 687
Analysis Report	08/25/07 09: 26: 43 AM						page 383
SDev	23. 8	. 1077	109. 2	. 5977	. 495	. 368	. 670
%RSD	6. 000	32. 25	42. 31	215. 7	17. 21	23. 12	24. 93
#1	412. 7	. 4101	335. 2	- . 1456	- 3. 227	1. 331	3. 161
#2	379. 1	. 2578	180. 9	. 6997	- 2. 527	1. 851	2. 213
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
Hi gh	3000.	10. 00	3000.	10. 00	20. 00	30. 00	
Low	- 3000.	- 10. 00	- 3000.	- 10. 00	- 20. 00	- 30. 00	
El em Uni ts	2203/2	1960/1	1960/2	Pb2203 ppb	Se1960 ppb	B_2496 ppb	La3988 ppb
Avge	2. 963	3. 125	- 2. 800	2. 873	- . 8262	- . 4899	- . 1874
SDev	1. 596	. 962	. 665	1. 288	. 1234	. 5260	1. 5996
%RSD	53. 86	30. 79	23. 76	44. 81	14. 94	107. 4	853. 8
#1	4. 092	2. 445	- 2. 330	H3. 784	- . 7389	- . 1179	. 9437
#2	1. 835	3. 805	- 3. 271	1. 963	- . 9134	- . 8619	- 1. 318
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
Hi gh				3. 000	5. 000	50. 00	10. 00
Low				- 3. 000	- 5. 000	- 50. 00	- 5. 000
El em Uni ts	Mo2020 ppb	Sn1899 ppb	Sr4215 ppb	Ti 3349 ppb			
Avge	. 8471	2. 306	. 4722	1. 325			
SDev	. 4496	. 641	. 2540	. 631			
%RSD	53. 07	27. 79	53. 80	47. 60			
#1	1. 165	2. 759	. 2925	. 8793			
#2	. 5292	1. 853	. 6518	1. 771			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
Hi gh	20. 00	20. 00	50. 00	20. 00			
Low	- 20. 00	- 20. 00	- 50. 00	- 20. 00			

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type Matrix	Instrument Dil.	Date	Time	Flags
1	STD1		3	1.0	08/24/07	14:16:48	
2	STD2		3	1.0	08/24/07	14:19:03	
3	STD3		3	1.0	08/24/07	14:20:50	
4	STD4		3	1.0	08/24/07	14:22:35	
5	STD5		3	1.0	08/24/07	14:24:20	
6	STD6		3	1.0	08/24/07	14:26:10	
7	AICV/ACCV1		0	1.0	08/24/07	14:28:09	
8	ICB/CCB1		0	1.0	08/24/07	14:29:54	
9	PBL082407		0	1.0	08/24/07	14:31:38	
10	BSL082407		0	1.0	08/24/07	14:33:26	
11	854473		0	1.0	08/24/07	14:35:10	
12	854473D		0	1.0	08/24/07	14:36:55	
13	854473MS		0	1.0	08/24/07	14:38:49	
14	854458		0	1.0	08/24/07	14:40:33	
15	854459		0	1.0	08/24/07	14:42:27	
16	854470		0	1.0	08/24/07	14:44:11	
17	854471		0	1.0	08/24/07	14:45:55	
18	ACCV2		0	1.0	08/24/07	14:47:53	
19	CCB2		0	1.0	08/24/07	14:49:36	
20	854472		0	1.0	08/24/07	14:51:25	
21	854043		0	1.0	08/24/07	14:53:11	
22	854044		0	1.0	08/24/07	14:55:15	
23	854045		0	1.0	08/24/07	14:57:19	
24	854046		0	1.0	08/24/07	14:59:12	
25	854047		0	1.0	08/24/07	15:00:55	
26	853332		0	1.0	08/24/07	15:02:49	
27	853913		0	1.0	08/24/07	15:04:33	
28	853924		0	1.0	08/24/07	15:06:17	
29	ACCV3		0	1.0	08/24/07	15:08:00	
30	CCB3		0	1.0	08/24/07	15:09:44	
31	853912		0	1.0	08/24/07	15:11:30	
32	854792		0	1.0	08/24/07	15:13:26	
33	855183		0	1.0	08/24/07	15:15:12	
34	FB082207		0	1.0	08/24/07	15:17:07	
35	TB082107		0	1.0	08/24/07	15:18:53	
36	TB082207		0	1.0	08/24/07	15:20:37	
37	TB082307		0	1.0	08/24/07	15:22:22	
38	ACCV4		0	1.0	08/24/07	15:24:06	
39	CCB4		0	1.0	08/24/07	15:25:52	

methods 7470A  
14:16:48 24 Aug 2007

Folder: 23123HG1  
Protocol: SW846A

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*Brimley*  
*8/24/07*  
*Leenan3*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1		14:16:48 24 Aug 07		HG
Hg	.000	ppb	717					
*** Standard: 2 Rep: 1				Seq: 2		14:19:03 24 Aug 07		HG
Hg	.100	ppb	6261					
*** Standard: 3 Rep: 1				Seq: 3		14:20:50 24 Aug 07		HG
Hg	1.00	ppb	51070					
*** Standard: 4 Rep: 1				Seq: 4		14:22:35 24 Aug 07		HG
Hg	2.00	ppb	105794					
*** Standard: 5 Rep: 1				Seq: 5		14:24:20 24 Aug 07		HG
Hg	5.00	ppb	270763					
*** Standard: 6 Rep: 1				Seq: 6		14:26:10 24 Aug 07		HG
Hg	10.0	ppb	521320					



File Edit Help

Protocol: SW846A

Dataset/Print: 23129HG1/SW846A

Protocol Unit Info Cal Curve Report Col Chart Viewer

Reset

Calr Coeffs

New Cal

Update Coeffs

Spike Coeffs

A:

B:

C:   Calibrated

Rho:   Accepted

Type:

Rel Abs: 521320

Accepted

New

Include:  S1  Rep 1  2  3  4  5

	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	0.0000	-0.03	-0.03	717	0%	717		
02	1.0000	.093	-0.07	6261	0%	6261		
03	1.0000	.949	-0.51	51070	0%	51070		
04	2.0000	1.99	-0.06	105794	0%	105794		
05	5.0000	5.15	.145	270763	0%	270763		
06	10.0000	9.93	-0.69	521320	0%	521320		

Ready

Calr

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 3 Ck3ICV/CCV Seq: 7 14:28:09 24 Aug 07 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.	5.20	5.00	ppb	.000		
*** Check Standard: 1 Ck1CCB Seq: 8 14:29:54 24 Aug 07 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.031	.200	ppb	.000			
*** Sample ID: PBL082407 Seq: 9 14:31:38 24 Aug 07 HG								
Hg	.016	ppb	.000	.016				
*** Sample ID: BSL082407 Seq: 10 14:33:26 24 Aug 07 HG								
Hg	5.10	ppb	.000	5.10				
*** Sample ID: 854473 Seq: 11 14:35:10 24 Aug 07 HG								
Hg	-.027	ppb	.000	-.027				
*** Sample ID: 854473D Seq: 12 14:36:55 24 Aug 07 HG								
Hg	-.015	ppb	.000	-.015				
*** Sample ID: 854473MS Seq: 13 14:38:49 24 Aug 07 HG								
Hg	5.28	ppb	.000	5.28				
*** Sample ID: 854458 Seq: 14 14:40:33 24 Aug 07 HG								
Hg	-.024	ppb	.000	-.024				
*** Sample ID: 854459 Seq: 15 14:42:27 24 Aug 07 HG								
Hg	-.017	ppb	.000	-.017				
*** Sample ID: 854470 Seq: 16 14:44:11 24 Aug 07 HG								
Hg	-.024	ppb	.000	-.024				
*** Sample ID: 854471 Seq: 17 14:45:55 24 Aug 07 HG								
Hg	.018	ppb	.000	.018				
*** Check Standard: 2 Ck2ACCV Seq: 18 14:47:53 24 Aug 07 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		105.	5.24	5.00	ppb	.000		

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 1 Ck1CCB								
Line	Flag	Found	Range(+/-)	Units	Seq:			
Hg		-.030	.200	ppb	19	14:49:36	24 Aug 07	HG
								SD/RSD
								.000
*** Sample ID: 854472								
					Seq: 20	14:51:25	24 Aug 07	HG
Hg	1.90	ppb	.000	1.90				
*** Sample ID: 854043								
					Seq: 21	14:53:11	24 Aug 07	HG
Hg	-.079	ppb	.000	-.079				
*** Sample ID: 854044								
					Seq: 22	14:55:15	24 Aug 07	HG
Hg	-.032	ppb	.000	-.032				
*** Sample ID: 854045								
					Seq: 23	14:57:19	24 Aug 07	HG
Hg	-.009	ppb	.000	-.009				
*** Sample ID: 854046								
					Seq: 24	14:59:12	24 Aug 07	HG
Hg	-.023	ppb	.000	-.023				
*** Sample ID: 854047								
					Seq: 25	15:00:55	24 Aug 07	HG
Hg	-.021	ppb	.000	-.021				
*** Sample ID: 853332								
					Seq: 26	15:02:49	24 Aug 07	HG
Hg	-.027	ppb	.000	-.027				
*** Sample ID: 853913								
					Seq: 27	15:04:33	24 Aug 07	HG
Hg	.004	ppb	.000	.004				
*** Sample ID: 853924								
					Seq: 28	15:06:17	24 Aug 07	HG
Hg	-.018	ppb	.000	-.018				
*** Check Standard: 2 Ck2ACCV								
Line	Flag	%Rcv.	Found	True	Units			
Hg		104.	5.22	5.00	29	15:08:00	24 Aug 07	HG
								SD/RSD
								.000
*** Check Standard: 1 Ck1CCB								
Line	Flag	Found	Range(+/-)	Units	Seq:			
Hg		.008	.200	ppb	30	15:09:44	24 Aug 07	HG
								SD/RSD
								.000

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 853912					Seq: 31	15:11:30 24 Aug 07		HG
Hg	-.020	ppb	.000	-.020				
*** Sample ID: 854792					Seq: 32	15:13:26 24 Aug 07		HG
Hg	-.030	ppb	.000	-.030				
*** Sample ID: 855183					Seq: 33	15:15:12 24 Aug 07		HG
Hg	-.036	ppb	.000	-.036				
*** Sample ID: FB082207					Seq: 34	15:17:07 24 Aug 07		HG
Hg	-.010	ppb	.000	-.010				
*** Sample ID: TB082107					Seq: 35	15:18:53 24 Aug 07		HG
Hg	-.022	ppb	.000	-.022				
*** Sample ID: TB082207					Seq: 36	15:20:37 24 Aug 07		HG
Hg	-.025	ppb	.000	-.025				
*** Sample ID: TB082307					Seq: 37	15:22:22 24 Aug 07		HG
Hg	-.024	ppb	.000	-.024				
*** Check Standard: 2 Ck2ACCV					Seq: 38	15:24:06 24 Aug 07		HG
Line Flag %Rcv. Found True Units							SD/RSD	
Hg		104.	5.21	5.00	ppb		.000	
*** Check Standard: 1 Ck1CCB					Seq: 39	15:25:52 24 Aug 07		HG
Line Flag Found Range(+/-) Units							SD/RSD	
Hg		-.026	.200	ppb			.000	
*** Sample ID: 854467 <i>R9@108</i>					Seq: 40	15:27:55 24 Aug 07		HG
Hg	11.7	ppb	.000	11.7				
*** Sample ID: BLANK <i>BR</i>					Seq: 41	15:29:43 24 Aug 07		HG
Hg	-.297	ppb	.000	-.297				
*** Sample ID: BLANK <i>BR</i>					Seq: 42	15:31:49 24 Aug 07		HG
Hg	-.034	ppb	.000	-.034				

*CHK STD LOW  
Recal + BR 8/24/07*

15:33:33 24 Aug 2007

Folder: 23123HG1  
Protocol: SW846A

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Line Conc. Units SD/RSD 1 2 3 4 5  
-----

\*\*\* Check Standard: 2 Ck2ACCV Seq: 43 15:33:33 24 Aug 07 HG  
Line Flag %Rcv. Found True Units SD/RSD  
Hg L 33.1 1.66 5.00 ppb .000

\*\*\* Check Standard: 1 Ck1CCB Seq: 44 15:35:18 24 Aug 07 HG  
Line Flag Found Range(+/-) Units SD/RSD  
Hg -.014 .200 ppb .000

method 2170A

Folder: 23123HG1  
Protocol: SW846A

*R* e/29/07

\*\*\*POST-RUN REPORT\*\*\*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1		14:16:48	24 Aug 07	HG
Hg	.000	ppb	717					
*** Standard: 2 Rep: 1				Seq: 2		14:19:03	24 Aug 07	HG
Hg	.100	ppb	6261					
*** Standard: 3 Rep: 1				Seq: 3		14:20:50	24 Aug 07	HG
Hg	1.00	ppb	51070					
*** Standard: 4 Rep: 1				Seq: 4		14:22:35	24 Aug 07	HG
Hg	2.00	ppb	105794					
*** Standard: 5 Rep: 1				Seq: 5		14:24:20	24 Aug 07	HG
Hg	5.00	ppb	270763					
*** Standard: 6 Rep: 1				Seq: 6		14:26:10	24 Aug 07	HG
Hg	10.0	ppb	521320					
*** Check Standard: 3			Ck3ICV/CCV	Seq: 7		14:28:09	24 Aug 07	HG
Line Flag			Intensities					
Hg			273601					
*** Check Standard: 1			Ck1CCB	Seq: 8		14:29:54	24 Aug 07	HG
Line Flag			Intensities					
Hg			-258					
*** Sample ID: PBL082407				Seq: 9		14:31:38	24 Aug 07	HG
Hg	.016	ppb	2218					
=====								
*** Sample ID: BSL082407				Seq: 10		14:33:26	24 Aug 07	HG
Hg	5.10	ppb	268285					
=====								
*** Sample ID: 854473				Seq: 11		14:35:10	24 Aug 07	HG
Hg	-.027	ppb	-16					
=====								

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 854473D								
				Seq: 12	14:36:55	24	Aug 07	HG
Hg	-.015	ppb	614					
=====								
*** Sample ID: 854473MS								
				Seq: 13	14:38:49	24	Aug 07	HG
Hg	5.28	ppb	277644					
=====								
*** Sample ID: 854458								
				Seq: 14	14:40:33	24	Aug 07	HG
Hg	-.024	ppb	110					
=====								
*** Sample ID: 854459								
				Seq: 15	14:42:27	24	Aug 07	HG
Hg	-.017	ppb	490					
=====								
*** Sample ID: 854470								
				Seq: 16	14:44:11	24	Aug 07	HG
Hg	-.024	ppb	118					
=====								
*** Sample ID: 854471								
				Seq: 17	14:45:55	24	Aug 07	HG
Hg	.018	ppb	2334					
*** Check Standard: 2								
Line	Flag		Ck2ACCV	Seq: 18	14:47:53	24	Aug 07	HG
Hg			Intensities					
			275779					
*** Check Standard: 1								
Line	Flag		Ck1CCB	Seq: 19	14:49:36	24	Aug 07	HG
Hg			Intensities					
			-174					
*** Sample ID: 854472								
				Seq: 20	14:51:25	24	Aug 07	HG
Hg	1.90	ppb	100732					
=====								
*** Sample ID: 854043								
				Seq: 21	14:53:11	24	Aug 07	HG
Hg	-.079	ppb	-2740					
=====								

## \*\*\*POST-RUN REPORT\*\*\*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
=====								
*** Sample ID: 854044				Seq: 22	14:55:15	24	Aug 07	HG
Hg	-.032	ppb	-270					
=====								
*** Sample ID: 854045				Seq: 23	14:57:19	24	Aug 07	HG
Hg	-.009	ppb	916					
=====								
*** Sample ID: 854046				Seq: 24	14:59:12	24	Aug 07	HG
Hg	-.023	ppb	194					
=====								
*** Sample ID: 854047				Seq: 25	15:00:55	24	Aug 07	HG
Hg	-.021	ppb	274					
=====								
*** Sample ID: 853332				Seq: 26	15:02:49	24	Aug 07	HG
Hg	-.027	ppb	-48					
=====								
*** Sample ID: 853913				Seq: 27	15:04:33	24	Aug 07	HG
Hg	.004	ppb	1578					
=====								
*** Sample ID: 853924				Seq: 28	15:06:17	24	Aug 07	HG
Hg	-.018	ppb	415					
*** Check Standard: 2	Ck2ACCV			Seq: 29	15:08:00	24	Aug 07	HG
Line Flag	Intensities							
Hg	274814							
*** Check Standard: 1	Ck1CCB			Seq: 30	15:09:44	24	Aug 07	HG
Line Flag	Intensities							
Hg	1789							
*** Sample ID: 853912				Seq: 31	15:11:30	24	Aug 07	HG
Hg	-.020	ppb	327					
=====								



\*\*\*POST-RUN REPORT\*\*\*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
=====								
*** Sample ID:	854792			Seq: 32	15:13:26	24 Aug 07	HG	
Hg	-.030	ppb	-194					
=====								
*** Sample ID:	855183			Seq: 33	15:15:12	24 Aug 07	HG	
Hg	-.036	ppb	-525					
=====								
*** Sample ID:	FB082207			Seq: 34	15:17:07	24 Aug 07	HG	
Hg	-.010	ppb	876					
=====								
*** Sample ID:	TB082107			Seq: 35	15:18:53	24 Aug 07	HG	
Hg	-.022	ppb	211					
=====								
*** Sample ID:	TB082207			Seq: 36	15:20:37	24 Aug 07	HG	
Hg	-.025	ppb	65					
=====								
*** Sample ID:	TB082307			Seq: 37	15:22:22	24 Aug 07	HG	
Hg	-.024	ppb	111					
=====								
*** Check Standard:	2	Ck2ACCV		Seq: 38	15:24:06	24 Aug 07	HG	
Line Flag		Intensities						
Hg		274291						
=====								
*** Check Standard:	1	Ck1CCB		Seq: 39	15:25:52	24 Aug 07	HG	
Line Flag		Intensities						
Hg		28						
=====								

Leeman 3

File Record	Laboratory Sample Name	Customer/EPA Sample Name	EPA Type Matrix	Instrument Dil.	Date	Time	Flags
1	STD1		3	1.0	08/24/07	16:40:58	
2	STD2		3	1.0	08/24/07	16:42:43	
3	STD3		3	1.0	08/24/07	16:44:30	
4	STD4		3	1.0	08/24/07	16:46:24	
5	STD5		3	1.0	08/24/07	16:48:29	
6	STD6		3	1.0	08/24/07	16:50:39	
7	AICV/ACCV1		0	1.0	08/24/07	16:53:36	
8	ICB/CCB1		0	1.0	08/24/07	16:55:59	
9	854467		0	10.0	08/24/07	16:58:22	
10	BLANK		0	1.0	08/24/07	17:00:10	
11	BLANK		0	1.0	08/24/07	17:02:36	
12	ACCV2		0	1.0	08/24/07	17:04:22	
13	CCB2		0	1.0	08/24/07	17:06:16	

Run date: 8/24/07  
 Batch # 23123NT1, 23118NT2, 23119NT2, 23080NT2  
 METHOD 6010B METHOD 200.7 METHOD 6010B METHOD 200.7

File : 23123NT1.WSL 23118NT2 23119NT2 23080NT2

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Dil.	Date	Time
1	T3CAL-BLK		3		1.0	08/24/07	11:07:00
2	T3CAL1		3		1.0	08/24/07	11:13:00
3	T3CAL2		3		1.0	08/24/07	11:19:00
4	T3CAL3		3		1.0	08/24/07	11:25:00
5	HSA		0		1.0	08/24/07	11:32:00
6	ICV/CCV1		0		1.0	08/24/07	11:38:00
7	ICB/CCB1		0		1.0	08/24/07	11:44:00
8	ICSA1		0		1.0	08/24/07	11:50:00
9	ICSAB1		0		1.0	08/24/07	11:58:00
10	MCL		0		1.0	08/24/07	12:04:00
11	MCL-2		0		1.0	08/24/07	12:10:00
12	INT-20		0		1.0	08/24/07	12:17:00
13	PBW082307		0		1.0	08/24/07	12:23:00
14	855009		0		1.0	08/24/07	12:29:00
15	853176		0		5.0	08/24/07	12:35:00
16	853028-X		0		1.0	08/24/07	12:41:00
17	853029		0		1.0	08/24/07	12:47:00
18	CCV2		0		1.0	08/24/07	12:53:00
19	CCB2		0		1.0	08/24/07	12:59:00
20	853030		0		1.0	08/24/07	13:06:00
21	853037		0		1.0	08/24/07	13:12:00
22	853038		0		1.0	08/24/07	13:18:00
23	853039		0		1.0	08/24/07	13:24:00
24	853040		0		1.0	08/24/07	13:30:00
25	853044		0		1.0	08/24/07	13:36:00
26	853028		0		1.0	08/24/07	13:43:00
27	853061D		0		1.0	08/24/07	13:50:00
28	853061		0		1.0	08/24/07	13:56:00
29	853061L		0		1.0	08/24/07	14:02:00
30	CCV3		0		1.0	08/24/07	14:08:00
31	CCB3		0		1.0	08/24/07	14:14:00
32	853061MS		0		1.0	08/24/07	14:20:00
33	853062		0		1.0	08/24/07	14:26:00
34	853320		0		1.0	08/24/07	14:32:00
35	853321		0		1.0	08/24/07	14:39:00
36	853322		0		1.0	08/24/07	14:45:00
37	ICSA2		0		1.0	08/24/07	14:51:00
38	ICSAB2		0		1.0	08/24/07	14:57:00
39	CCV4		0		1.0	08/24/07	15:03:00
40	CCB4		0		1.0	08/24/07	15:09:00
41	BSL082407		0		1.0	08/24/07	15:21:00
42	PBL082407		0		1.0	08/24/07	15:28:00
43	854473D		0		5.0	08/24/07	15:34:00
44	854473		0		5.0	08/24/07	15:40:00
45	854473L		0		5.0	08/24/07	15:46:00
46	854473MS		0		5.0	08/24/07	15:52:00
47	854467		0		10.0	08/24/07	15:58:00
48	854458		0		5.0	08/24/07	16:04:00
49	854459		0		5.0	08/24/07	16:10:00
50	854470		0		5.0	08/24/07	16:16:00
51	CCV5		0		1.0	08/24/07	16:23:00
52	CCB5		0		1.0	08/24/07	16:29:00
53	854471		0		5.0	08/24/07	16:35:00
54	854472		0		5.0	08/24/07	16:41:00
55	PB082207		0		1.0	08/24/07	16:47:00
56	TB082107		0		5.0	08/24/07	16:53:00
57	TB082207		0		5.0	08/24/07	16:59:00
58	TB082307		0		5.0	08/24/07	17:05:00
59	ICSA3		0		1.0	08/24/07	17:12:00
60	CCV6		0		1.0	08/24/07	17:24:00
61	CCB6		0		1.0	08/24/07	17:30:00

Element: Ag,Al,As,  
 Ba,Be,Ca,Cd,Cu,Cr,Co,Fe  
 K,Mg,Mn,Ni,Na,Pb,Se,Sb  
 Tl,V,Zn,B,La,Mo,Sr,Sn,Ti

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Read and Understood By \_\_\_\_\_

Run date: 8/25/07  
 Batch # 23123 NT2, 23122 NT1.  
 METHOD 6010B, METHOD

Element: Ag,Al,As,  
 Ba,Be,Ca,Cd,Cu,Cr,Co,Fe  
 K,Mg,Mn,Ni,Na,Pb,Se,Sb  
 Tl,V,Zn,B,La,Mo,Sr,Sn,Ti

File: 23123NT2.WSL 23122NT1

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Instrument Type Matrix	Dil.	Date	Time	F
1	T3CAL-BLK		3	1.0	08/25/07	02:40:00	
2	T3CAL1		3	1.0	08/25/07	02:46:00	
3	T3CAL2		3	1.0	08/25/07	02:52:00	1
4	T3CAL3		3	1.0	08/25/07	02:58:00	2
5	HSA		0	1.0	08/25/07	03:05:00	3
6	ICV/CCV1		0	1.0	08/25/07	03:11:00	4
7	ICB/CCB1		0	1.0	08/25/07	03:17:00	5
8	ICSA1		0	1.0	08/25/07	03:23:00	6
9	ICSA1		0	1.0	08/25/07	03:29:00	7
10	MCL		0	1.0	08/25/07	03:35:00	8
11	MCL-2		0	1.0	08/25/07	03:41:00	9
12	INT-20		0	1.0	08/25/07	03:48:00	10
13	854043		0	5.0	08/25/07	03:54:00	11
14	854044		0	5.0	08/25/07	04:00:00	12
15	854045		0	5.0	08/25/07	04:06:00	13
16	854046		0	5.0	08/25/07	04:12:00	14
17	854047		0	5.0	08/25/07	04:18:00	15
18	CCV2		0	1.0	08/25/07	04:25:00	16
19	CCB2		0	1.0	08/25/07	04:31:00	17
20	853038-X		0	1.0	08/25/07	04:37:00	18
21	853040-X		0	1.0	08/25/07	04:43:00	19
22	853892		0	5.0	08/25/07	04:49:00	20
23	853332		0	5.0	08/25/07	04:55:00	21
24	853913		0	5.0	08/25/07	05:01:00	22
25	853924		0	5.0	08/25/07	05:08:00	23
26	853912		0	5.0	08/25/07	05:14:00	24
27	854792		0	5.0	08/25/07	05:20:00	25
28	855183		0	5.0	08/25/07	05:26:00	26
29	CCV3		0	1.0	08/25/07	05:32:00	27
30	CCB3		0	1.0	08/25/07	05:38:00	28
31	ICSA2		0	1.0	08/25/07	05:45:00	29
32	ICSAE2		0	1.0	08/25/07	05:51:00	30
33	CCV4		0	1.0	08/25/07	05:57:00	31
34	CCB4		0	1.0	08/25/07	06:03:00	32

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Read and Understood By

Batch# 23123HG2  
Date 8/24/07

File : 23123HG2.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Instrument Matrix	Dil.	Date	Time	Flags
1	STD1		3		1.0	08/24/07	16:40:58	
2	STD2		3		1.0	08/24/07	16:42:43	
3	STD3		3		1.0	08/24/07	16:44:30	
4	STD4		3		1.0	08/24/07	16:46:24	
5	STD5		3		1.0	08/24/07	16:48:29	
6	STD6		3		1.0	08/24/07	16:50:39	
7	AICV/ACCV1		0		1.0	08/24/07	16:53:36	
8	ICB/CCB1		0		1.0	08/24/07	16:55:59	
9	854467		0		10.0	08/24/07	16:58:22	
10	BLANK		0		1.0	08/24/07	17:00:10	
11	BLANK		0		1.0	08/24/07	17:02:36	
12	ACCV2		0		1.0	08/24/07	17:04:22	
13	CCB2		0		1.0	08/24/07	17:06:16	

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Read and Understood By \_\_\_\_\_

*Batch# 23123HG-1  
Date 8/24/07*

File : 23123HG1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1			3	1.0	08/24/07	14:16:48	
2	STD2			3	1.0	08/24/07	14:19:03	
3	STD3			3	1.0	08/24/07	14:20:50	
4	STD4			3	1.0	08/24/07	14:22:35	
5	STD5			3	1.0	08/24/07	14:24:20	
6	STD6			3	1.0	08/24/07	14:26:10	
7	AICV/ACCV1			0	1.0	08/24/07	14:28:09	
8	ICB/CCB1			0	1.0	08/24/07	14:29:54	
9	PBL082407			0	1.0	08/24/07	14:31:38	
10	BSL082407			0	1.0	08/24/07	14:33:26	
11	854473			0	1.0	08/24/07	14:35:10	
12	854473D			0	1.0	08/24/07	14:36:55	
13	854473MS			0	1.0	08/24/07	14:38:49	
14	854458			0	1.0	08/24/07	14:40:33	
15	854459			0	1.0	08/24/07	14:42:27	
16	854470			0	1.0	08/24/07	14:44:11	
17	854471			0	1.0	08/24/07	14:45:55	
18	ACCV2			0	1.0	08/24/07	14:47:53	
19	CCB2			0	1.0	08/24/07	14:49:36	
20	854472			0	1.0	08/24/07	14:51:25	
21	854043			0	1.0	08/24/07	14:53:11	
22	854044			0	1.0	08/24/07	14:55:15	
23	854045			0	1.0	08/24/07	14:57:19	
24	854046			0	1.0	08/24/07	14:59:12	
25	854047			0	1.0	08/24/07	15:00:55	
26	853332			0	1.0	08/24/07	15:02:49	
27	853913			0	1.0	08/24/07	15:04:33	
28	853924			0	1.0	08/24/07	15:06:17	
29	ACCV3			0	1.0	08/24/07	15:08:00	
30	CCB3			0	1.0	08/24/07	15:09:44	
31	853912			0	1.0	08/24/07	15:11:30	
32	854792			0	1.0	08/24/07	15:13:26	
33	855183			0	1.0	08/24/07	15:15:12	
34	FB082207			0	1.0	08/24/07	15:17:07	
35	TB082107			0	1.0	08/24/07	15:18:53	
36	TB082207			0	1.0	08/24/07	15:20:37	
37	TB082307			0	1.0	08/24/07	15:22:22	
38	ACCV4			0	1.0	08/24/07	15:24:06	
39	CCB4			0	1.0	08/24/07	15:25:52	

Continued on Page

Read and Understood By

**STL EDISON**  
**Metals Preparation Logbook**

Batch: 23123  
 Spike Sources/Lot #  
 MS/BS: 1ml TCLP SPK MPS 057  
 LCS: NA  
 Filter Paper: Manuf.: Whatman  
 Lot #: C1863095A

Prep Date: 8-24-07  
 Reagent Sources/Lot #  
 HNO<sub>3</sub>: E 20033  
 HCl: NA  
 H<sub>2</sub>O<sub>2</sub>: NA  
 1:HNO<sub>3</sub>: NA  
 1:HCl: MPR055

Matrix: Leachate  
 Hot plate / block  
 temperature: 95 °C  
 Balance #:  
 Sample Cups:  
 Manuf.: Fisher  
 Lot #: A702LS135

Method (circle one): ICP / 200.7 / 3010A / 3050B / CLP / 200.7 DW / Other: Leachate  
 Furnace / 200.9 / 3020A / 3050B / CLP / 200.9 DW / Other: \_\_\_\_\_

	Job No.	Sample No.	Init Wgt (g)/ Vol (ml)	Final Vol (ml)	(√) if filtered	Comments
1	K081	854467	100	100		
2	K078	854458	100	100		
3	↓	854459	100	100		
4	K083	854470	100	100		
5	↓	854471	100	100		
6	K084	854473	100	100		
7	K083	854472	1	100	✓	
8	K018	854043	100	100		
9		854044	100	100		
10		854045	100	100		
11		854046	100	100		
12	↓	854047	100	100		
13	J903	853332	100	100		
14	K000	853913	100	100		
15	K004	853924	100	100		
16	J999	853912	100	100		
17	K112	854792	100	100		
18	K165	855183	100	100		
19	J991	853892	100	100		
20	<del>K078</del>	<del>854460</del>	<del>QY812407</del>			
21		FB082207	100	100		
22		TB082107	100	100		
23		TB082207	100	100		
24		TB082307	100	100		
MS	K084	854473	100	100		
DUP	↓	854473	100	100		
BS		23123	100	100	✓	
PBLK		23123	100	100	✓	
LCSW/LCSS						
LCSSD						

Analyst(s): Quimanga

Reviewed by: [Signature]





method 7420A

16:40:58 24 Aug 2007

Folder: 23123HG2  
Protocol: SW846A

*Bruny*  
8/24/07  
Lalman

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1			16:40:58 24 Aug 07	HG
Hg	.000	ppb	455					
*** Standard: 2 Rep: 1				Seq: 2			16:42:43 24 Aug 07	HG
Hg	.100	ppb	6317					
*** Standard: 3 Rep: 1				Seq: 3			16:44:30 24 Aug 07	HG
Hg	1.00	ppb	42073					
*** Standard: 4 Rep: 1				Seq: 4			16:46:24 24 Aug 07	HG
Hg	2.00	ppb	89611					
*** Standard: 5 Rep: 1				Seq: 5			16:48:29 24 Aug 07	HG
Hg	5.00	ppb	224716					
*** Standard: 6 Rep: 1				Seq: 6			16:50:39 24 Aug 07	HG
Hg	10.0	ppb	434505					

File Utility Help

Protocol: SW846A      Dataset/Proto: 23123HG2/SW846A

Protocol | Line Info | Cal Curve | Report | Ctrl Chart | View

Reset

Calb Coefs

New Cal

Update Coefs

Spike Coefs

A:       Pol. Abs: 434505

B: 2.28531e-5

C: -3.48657e-2       Calibrated

Rho: .989835       Accepted

Type:                  

Include:  51     Rep 1     2     3     4     5

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.0000	-.024	-.024	495	1	495		
02	.1000	.110	.010	6318	0%	6317		
03	1.0000	.931	-.069	42074	0%	42073		
04	2.0000	2.02	.022	89611	0%	89611		
05	5.0000	5.12	.123	224716	0%	224716		
06	10.0000	9.94	-.062	434505	0%	434505		

Conc. 10.0

Ready

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 3 Ck3ICV/CCV Seq: 7 16:53:36 24 Aug 07 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.	5.21	5.00	ppb	.000		
*** Check Standard: 1 Ck1CCB Seq: 8 16:55:59 24 Aug 07 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.014	.200	ppb	.000			
*** Sample ID: 854467-10X 23123 Seq: 9 16:58:22 24 Aug 07 HG								
Hg	-.011	ppb	.000	-.011				
*** Sample ID: BLANK 23123 Seq: 10 17:00:10 24 Aug 07 HG								
Hg	-.001	ppb	.000	-.001				
*** Sample ID: BLANK 23123 Seq: 11 17:02:36 24 Aug 07 HG								
Hg	.017	ppb	.000	.017				
*** Check Standard: 2 Ck2ACCV Seq: 12 17:04:22 24 Aug 07 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		105.	5.23	5.00	ppb	.000		
*** Check Standard: 1 Ck1CCB Seq: 13 17:06:16 24 Aug 07 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		.012	.200	ppb	.000			

mcGlad 7920A

Folder: 23123HG2  
Protocol: SW846A  
\*\*\*POST-RUN REPORT\*\*\*

*Report*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1		16:40:58	24 Aug 07	HG
Hg	.000	ppb	455					
*** Standard: 2 Rep: 1				Seq: 2		16:42:43	24 Aug 07	HG
Hg	.100	ppb	6317					
*** Standard: 3 Rep: 1				Seq: 3		16:44:30	24 Aug 07	HG
Hg	1.00	ppb	42073					
*** Standard: 4 Rep: 1				Seq: 4		16:46:24	24 Aug 07	HG
Hg	2.00	ppb	89611					
*** Standard: 5 Rep: 1				Seq: 5		16:48:29	24 Aug 07	HG
Hg	5.00	ppb	224716					
*** Standard: 6 Rep: 1				Seq: 6		16:50:39	24 Aug 07	HG
Hg	10.0	ppb	434505					
*** Check Standard: 3			Ck3ICV/CCV	Seq: 7		16:53:36	24 Aug 07	HG
Line Flag			Intensities					
Hg			228382					
*** Check Standard: 1			Ck1CCB	Seq: 8		16:55:59	24 Aug 07	HG
Line Flag			Intensities					
Hg			2111					
*** Sample ID: 854467-10X 23123				Seq: 9		16:58:22	24 Aug 07	HG
Hg	-.011	ppb	1018					
=====								
*** Sample ID: BLANK			23123	Seq: 10		17:00:10	24 Aug 07	HG
Hg	-.001	ppb	1456					
*** Sample ID: BLANK			23123	Seq: 11		17:02:36	24 Aug 07	HG
Hg	.017	ppb	2250					
*** Check Standard: 2			Ck2ACCV	Seq: 12		17:04:22	24 Aug 07	HG
Line Flag			Intensities					
Hg			229254					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
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*** Check Standard: 1	Ck1CCB		Seq: 13			17:06:16	24 Aug 07	HG
Line Flag			Intensities					
Hg			2047					

Percent Solids Log

Job Number	Sample Number	Bottle ID	Tare Weight (g)	Wet Weight (g)	Dry Weight (g)	Percent Solids (%)	Percent Moisture (%)
BLANK		186	1.04	5.92	5.92	100	0
J785	852578	287	1.03	5.26	4.49	85.4	14.6
J785	852580	290	1.07	5.89	4.88	82.9	17.1
J785	852582	308	1.05	5.15	4.17	81	19
K018	854037	284	1.05	4.25	3.35	78.8	21.2
K018	854038	311	1.01	5.04	4.69	93.1	6.9
K018	854039	213	1.04	5.04	4.69	93.1	6.9
K018	854040	189	1.07	3.5	3	85.7	14.3
K018	854041	123	1.04	4.48	3.87	86.4	13.6
K018	854042	10	1.03	5.57	4.43	79.5	20.5
K018	854048	305	1.03	3.22	2.66	82.6	17.4
K018	854051	46	1.04	3.13	2.33	74.4	25.6
K018	854052	14	1.01	5.09	4.7	92.3	7.7
K058	854341	261	1.02	5.01	4.64	92.6	7.4
K058	854342	359	1.08	4.4	3.26	74.1	25.9
K058	854343	61	1.05	4.47	3.54	79.2	20.8
K058	854344	195	1.06	3.15	2.7	85.7	14.3
K058	854345	155	1.02	4.16	3.4	81.7	18.3
K058	854346	179	1.04	3.97	2.49	62.7	37.3
K058	854347	359	1.08	4.4	3.26	74.1	25.9
K058	854348	54	1.03	5.8	5.05	87.1	12.9
K058	854349	335	1.02	5.78	5.34	92.4	7.6
K058	854350	140	1.04	3.95	3.56	90.1	9.9
K058	854351	352	1.08	3.29	2.66	80.9	19.1
K058	854352	292	1.04	5.19	4.78	92.1	7.9
K058	854353	141	1.04	5.03	4.41	87.7	12.3
K058	854354	209	1.03	5.95	5.76	96.8	3.2
K058	854355	109	1.07	5.45	4.66	85.5	14.5
K058	854356	173	1.05	4.59	4.02	87.6	12.4
K058	854357	30	1.03	3.58	1.79	50	50
K058	854358	297	1.05	5.85	4.98	85.1	14.9
K058	854359	15	1.03	5.12	4.38	85.5	14.5
K058	854360	317	0.96	5.56	4.84	87.1	12.9
K058	854361	38	1.07	5.53	4.88	88.2	11.8
K058	854362	218	1.06	4.69	4.16	88.7	11.3
K084	854473	80	1.02	5.46	3.76	68.9	31.1
K084	854474	126	1.03	5.04	3.43	68.1	31.9
K084	854475	167	1.04	5.07	3.85	75.9	24.1
K084	854476	174	1.05	5.05	3.64	72.1	27.9
K084	854477	269	1.04	5.2	2.98	57.3	42.7
K084	854478	306	1.05	5.29	4.22	79.8	20.2
K084	854479	231	1.04	5.51	4.56	82.8	17.2



# **General Chemistry Forms**

Analytical Results Summary



Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 3262

Corrosivity (pH)

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Analyzed</u>	<u>Analytical</u> <u>Result</u> <u>Units: std</u> <u>units</u>
854473	SED-WC-1	08/16/07	08/22/07	7.89

Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 2068

Ignitability

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Analyzed</u>	<u>Analytical</u> <u>Result</u>
854473	SED-WC-1	08/16/07	08/24/07	Non-Ignit

Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 1965

Reactive Cyanide

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>Dilution</u> <u>Factor</u>	<u>Analytical</u> <u>Result</u> <u>Units: mg/kg</u>
--------------------------------------	------------------	-------------------------------	---------------------------------	--------------------------------	----------------------------------	---

854473	SED-WC-1	08/16/07	08/22/07	08/22/07	2.0	ND
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Quantitation Limit for Reactive Cyanide is 25.0 mg/kg for an undiluted sample.

Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 1970

Reactive Sulfide

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>Dilution</u> <u>Factor</u>	<u>Analytical</u> <u>Result</u> <u>Units: mg/kg</u>
--------------------------------------	------------------	-------------------------------	---------------------------------	--------------------------------	----------------------------------	---

854473	SED-WC-1	08/16/07	08/22/07	08/22/07	2.0	ND
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Quantitation Limit for Reactive Sulfide is 20.0 mg/kg for an undiluted sample.

Site: National Grid  
Matrix: SOIL

Lab Job No: K084  
QA Batch: 3422

Total Organic Carbon

<u>STL Edison</u> <u>Sample #</u>	<u>Client ID</u>	<u>Date</u> <u>Sampled</u>	<u>Date</u> <u>Analyzed</u>	<u>Percent</u> <u>Moisture</u>	<u>Dilution</u> <u>Factor</u>	<u>Analytical</u> <u>Result</u> <u>Units: mg/kg</u>
854474	V-US_0-0.5	08/15/07	08/20/07	31.9	1.0	21200
854479	V3-2_0-0.5	08/16/07	08/20/07	17.2	1.0	15900
854480	V4-2_0-0.5	08/15/07	08/20/07	37.9	1.0	23900
854482	DUP-1	08/15/07	08/20/07	35.9	1.0	24700
854485	V4-1_1-1.5	08/15/07	08/20/07	27.8	1.0	15700
854486	V2-2_0-0.5	08/16/07	08/20/07	29.6	1.0	25800
854488	V1-2_0-0.5	08/16/07	08/20/07	67.6	1.0	73100

Quantitation Limit for Total Organic Carbon is 100 mg/kg.

## QA Summary

**pH/Corrosivity**

**Matrix: SOLID**

**Lab Sample No.: 853719**

**QA Batch No.: 3262**

**Lab Job No.: J962**

<b>Duplicate</b>			
<b>Sample Conc</b> Units: SU	<b>DUP Conc</b> Units: SU	<b>RPD</b>	<b>Q.C. Limits</b> RPD
6.78	6.80	0.3	10.0

<b>Laboratory Control Sample</b>				
<b>Vendor</b>	<b>Lot #</b>	<b>True Value</b> Units: SU	<b>Acceptable</b> Range: SU	<b>Measured</b> Value: SU
ERA	(P136-977)	6.53	6.35-6.63	6.47

# QA SUMMARY-DUPLICATES & BLANKS-HAZ. WASTE CHARACTERISTICS

Sample Number: 853859

Job Number: J983

Test	QA Batch No.	Matrix	Sample Result	Sample Dup Result	Lab Blank
Ignitability	2068	SOLID	ND	ND	NA



# REACTIVE CYANIDE

Matrix: SOLID

Lab Sample No.: 853865

QA Batch No.: 1965

Lab Job No.: J 983

Laboratory Blank	
Blank Conc Units: mg/kg	Quant Limit Units: mg/kg
ND	25.0

Duplicate			
Sample Conc Units: mg/kg	DUP Conc Units: mg/kg	RPD	Q.C. Limits RPD
ND	ND	0.0	10.0

BLANK SPIKE		
True Value Unit :mg/l	Acceptable Range :mg/l	Measured Value :mg/l
40.0	28.0-52.0	5.0

## REACTIVE SULFIDE

Matrix: SOLID

Lab Sample No.: 853865

QA Batch No.: 1970

Lab Job No.: J 983

Laboratory Blank	
Blank Conc Units: mg/kg	Quant Limit Units: mg/kg
ND	20.0

Matrix Spike				
Spike Added Units: mg/kg	Sample Conc Units: mg/kg	MS Conc Units: mg/kg	MS %Rec	MS % Rec LIMITS
647	ND	145	22.4	5-59

Matrix Spike Duplicate				
Spike Added Units:mg/kg	MSD Conc Units:mg/kg	MSD % Rec	% RPD	RPD LIMITS
647	145	22.4	0.0	20.0

Laboratory Control Sample				
Vendor	Lot#	True Value (mg/l)	Range (mg/l)	Measured Value (mg/l)
ERA	P 140-071	24.0	13.3-34.6	23.9

# TOTAL ORGANIC CARBON

Matrix: SOLID

Lab Sample No.: 854485

QA Batch No: 3422

Lab Job No.: K 084

Laboratory Blank	
Blank Conc. (mg/kg)	Quant Limit (mg/kg)
ND	100

Sample Replicates				
#1 (mg/kg)	#2 (mg/kg)	#3 (mg/kg)	#4 (mg/kg)	AVG (mg/kg)
15700	16000	14200	16600	15625

Standard Deviation	%RSD	Control Limits
1021.03	6.53	15.0

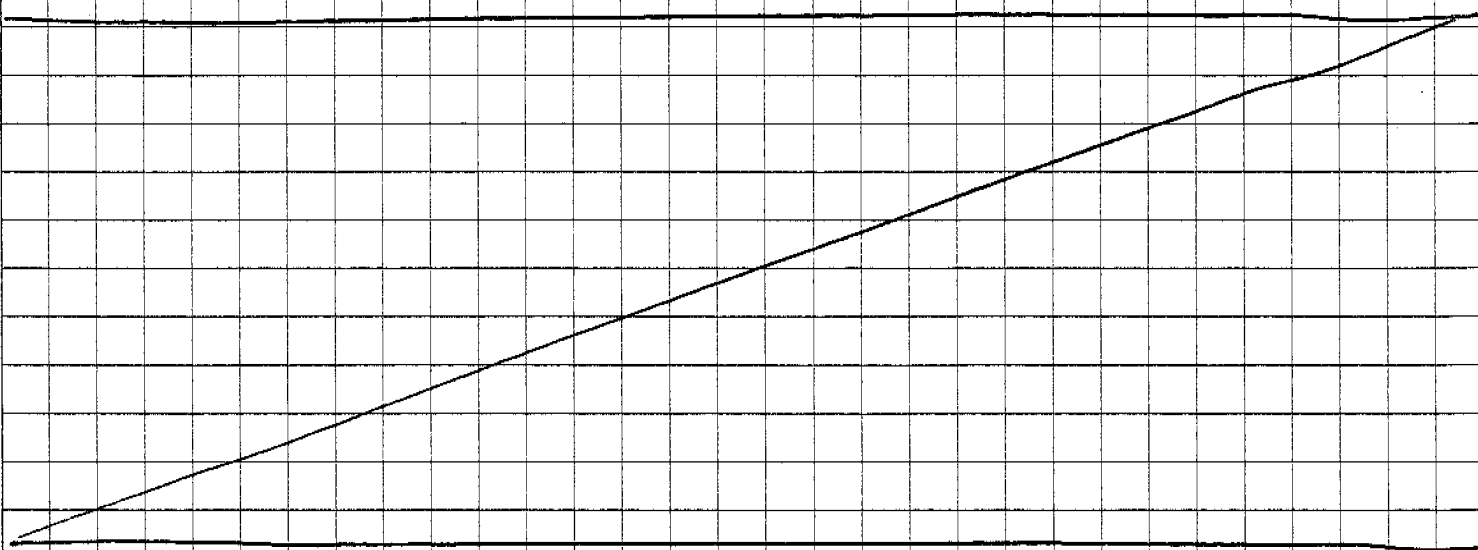
LCS				
Vendor Name	Lot #	Mean Value (mg/kg)	Range (mg/kg)	Measured Value (mg/kg)
ERA	D049-542	9080	4600-13600	9650

Raw Data

pH / Conductivity

Buffer	Batch	Job	Sample	Matrix	Dil	pH <sub>1</sub>	pH <sub>2</sub>	Temp. <sup>OC</sup>	Time
7.00			PB			5.81	5.83	23.3	4:10 PM
4.01			LCS (P136-977)			6.52	6.53	24.3	4:13
10.02	3262	K153	855086	Solid		6.03		23.1	4:16 ↓
12.52		K004	853924			5.78		21.9	5:00 pm
		K083	854470		2X	10.81		22.9	5:05
		↓	854471			7.25		22.4	5:08
		K084	854473			7.89		21.7	5:12
		K098	854727		4X	7.15		21.7	5:15
		K105	854763			6.59		21.7	5:17
		↓	854764			7.82		20.8	5:19
			ccv			6.95	6.95	<del>22.0</del> 22.0	5:21
		K112	854792			7.50		21.5	5:25
		K010	853948			7.83		22.0	5:28
		↓	853949			7.96		21.7	5:30
	3263	K127	8549606	H <sub>2</sub> O		7.30	7.31	22.4	5:32
		K129	8549636			7.29	7.23	22.5	5:35
		↓	8549636	Dup ↓		7.30	7.31	22.9	5:36
			ccv			6.96	6.87	23.0	5:38 pm

LCS (P136-977), TV = 6.53 (6.35-6.63)



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Read and Understood By

*Kevin C. Haly*

8/22/07

Batch	Job	Sample	Matrix	Result	Time
		Excelsior		+	10:25 AM
		Excelsior		+	10:30
					<del>10:35</del> 10:35 MB/24
2068	J999	853912	Soil	-	10:40
	K000	853913		-	10:45
	K004	853924		-	10:50
	K083	854470		-	10:55
	*	471		-	11:00
	K084	854473		-	11:05
	K098	854727		-	

Continued on Page

Read and Understood By

*mm*

8/24/07

Batch	Job	Sample	Matrix	sample Amt	dil	0.0192N AgNO <sub>3</sub> ml	Result	Spk	J. Rel
		PB		10 ml	2x	0.025	NA		
		LCB		0.4/10 ml		0.050	G.O	LD	MS
1965	K004	853924	solid	10 g	2x	0.025	ND		
1964	K081	854467	organic	↓	↓	0.025	ND		
1963	K083	854470	solid			0.025	ND		
		854471				0.025	ND		
1964		854472	organic			0.025	ND		
1965	K084	854473	solid			0.025	ND		
	K153	855086				0.025	ND		

0.005M H<sub>2</sub>O<sub>4</sub> # B-0684-07  
 0.25N NaOH # B-0685-07  
 0.0192N AgNO<sub>3</sub> # B-0683-07  
 Rhodamine indicator # B-0642-07

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8/22/07

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Batch	Job	Sample	Matrix	Ampl. Sample	dil	I <sub>2</sub> ml	Blank ml	Count	SPK	1. Cu
		PB		10 ml	2x	5	5.6	NO		
		BS (cement)		1/100 ml		5	<del>4.5</del>	488		
		BS (ext)		10 ml	2x	10	4.2	2.2	22.8	488 467.
		LCI (P140-070)		1/10 ml		5	5.2	29	24	135 7.
1970	K084	853924	Solid	10 g		5	5.6	NO		
1969	K081	854467	Organic			5	5.6	NO		
1970	K083	854470	Solid			5	5.6	NO		
		854471				5	5.6	NO		
1969		854472	organic			5	5.6	NO		
1970	K084	854473	Solid			5	5.6	NO		
	K153	855086				5	5.6	NO		

C/S

- 0.005M H<sub>2</sub>O<sub>4</sub> : B-0684-07
- 0.25N NaOH : B-0685-07
- 0N HCl : B-0686-07
- 0.0264N I<sub>2</sub> : H-169-C 44727
- 0.0261N Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> : H-371-C 52421
- LCI (P140-071) : 24 (13.3 - 34.6)

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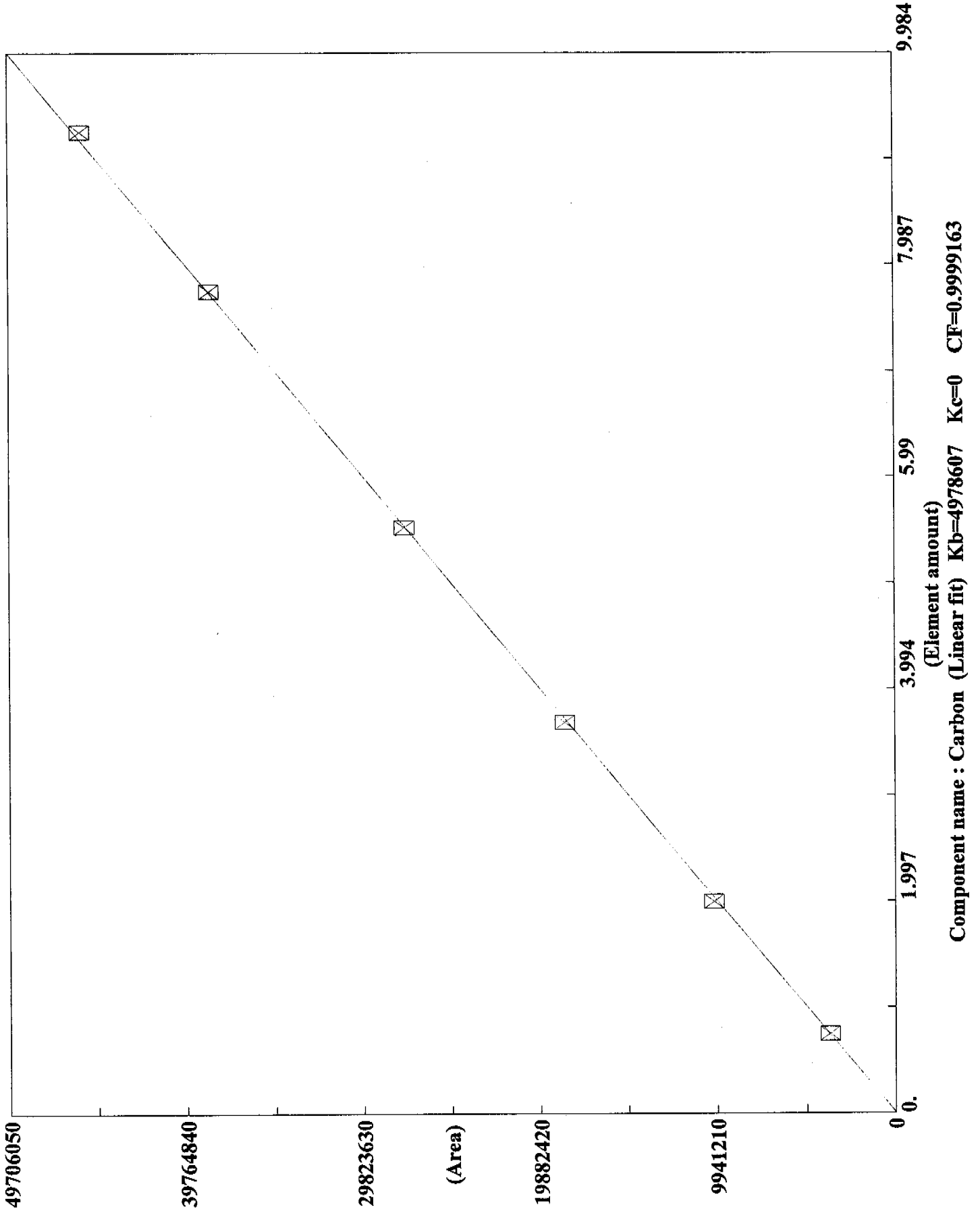
Grid\_Sample

	Group	Sample name	Filename	Inj Date	Inj Time	Type	Weight	Carbon%	RESULT	SPIKE	%REC
1											
2											
3											
4											
5											
6											
7											
8											
9	0	ICV	070820001	08/20/2007	15:07	UNK	4.875	36.02551	36.03%	36.09%	99.8%
10	0	ICB	070820002	08/20/2007	15:18	Blank		0	ND		
11	0	PB	070820003	08/20/2007	15:27	Blank		0	ND		
12	0	LCS(D049-542)	070820004	08/20/2007	15:33	UNK	101.121	0.964578	9,650	9,080	106%
13	0	854474b ✓	070820005	08/20/2007	15:49	UNK	59.775	2.116933	21,200 ✓		
14	0	854479a ✓	070820006	08/20/2007	15:55	UNK	52.99	1.587835	15,900 ✓		
15	0	854480a ✓	070820007	08/20/2007	16:00	UNK	52.872	2.387632	23,900 ✓		
16	0	854482a ✓	070820008	08/20/2007	16:06	UNK	53.63	2.465945	24,700 ✓		
17	0	854485d ✓	070820009	08/20/2007	16:30	UNK	53.289	1.571323	15,700 ✓		
18	0	854485d DUP	070820010	08/20/2007	16:36	UNK	52.52	1.604665	16,000		
19	0	854485d DUP	070820011	08/20/2007	16:54	UNK	55.066	1.418329	14,200		
20	0	854485d DUP	070820012	08/20/2007	16:59	UNK	53.102	1.660245	16,600		
21	0	CCV	070820013	08/20/2007	17:10	UNK	4.7982	37.21973	37.22%	36.09%	103%
22	0	CCB	070820014	08/20/2007	17:16	Blank		0	ND		
23	0	854486b ✓	070820015	08/20/2007	17:22	UNK	52.855	2.583574	25,800 ✓		
24	0	854488a ✓	070820016	08/20/2007	17:28	UNK	59.257	7.305826	73,100 ✓		
25	0	854218a	070820017	08/20/2007	17:33	UNK	106.015	0.50891	5,090		
26	0	854219a	070820018	08/20/2007	17:39	UNK	105.41	0.226342	2,260		
27	0	CCV	070820019	08/20/2007	17:45	UNK	4.8213	37.39766	37.42%	36.09%	104%
28	0	CCB	070820020	08/20/2007	17:51	Blank		0	ND		

DATE : 8/20/07 HU  
 JOB : K084, K044  
 BATCH : 3418, 3422

# 160107 : ASPARTIC ACID 1° STOCK  
 # 151205 : ASPARTIC ACID SECONDARY SOURCE  
 # LCS(D049-542) : 9,080 (4,600 - 13,600)

TOC CALIBRATION CURVE 07/23/2007



Percent Solids Log

Job Number	Sample Number	Bottle ID	Tare Weight (g)	Wet Weight (g)	Dry Weight (g)	Percent Solids (%)	Percent Moisture (%)
BLANK		186	1.04	5.92	5.92	100	0
J785	852578	287	1.03	5.26	4.49	85.4	14.6
J785	852580	290	1.07	5.89	4.88	82.9	17.1
J785	852582	308	1.05	5.15	4.17	81	19
K018	854037	284	1.05	4.25	3.35	78.8	21.2
K018	854038	311	1.01	5.04	4.69	93.1	6.9
K018	854039	213	1.04	5.04	4.69	93.1	6.9
K018	854040	189	1.07	3.5	3	85.7	14.3
K018	854041	123	1.04	4.48	3.87	86.4	13.6
K018	854042	10	1.03	5.57	4.43	79.5	20.5
K018	854048	305	1.03	3.22	2.66	82.6	17.4
K018	854051	46	1.04	3.13	2.33	74.4	25.6
K018	854052	14	1.01	5.09	4.7	92.3	7.7
K058	854341	261	1.02	5.01	4.64	92.6	7.4
K058	854342	359	1.08	4.4	3.26	74.1	25.9
K058	854343	61	1.05	4.47	3.54	79.2	20.8
K058	854344	185	1.06	3.15	2.7	85.7	14.3
K058	854345	155	1.02	4.16	3.4	81.7	18.3
K058	854346	179	1.04	3.97	2.49	62.7	37.3
K058	854347	359	1.08	4.4	3.26	74.1	25.9
K058	854348	54	1.03	5.8	5.05	87.1	12.9
K058	854349	335	1.02	5.78	5.34	92.4	7.6
K058	854350	140	1.04	3.95	3.58	90.1	9.9
K058	854351	352	1.08	3.29	2.66	80.9	19.1
K058	854352	292	1.04	5.19	4.78	92.1	7.9
K058	854353	141	1.04	5.03	4.41	87.7	12.3
K058	854354	209	1.03	5.95	5.76	96.8	3.2
K058	854355	109	1.07	5.45	4.66	85.5	14.5
K058	854356	173	1.05	4.59	4.02	87.6	12.4
K058	854357	30	1.03	3.58	1.79	50	50
K058	854358	297	1.05	5.85	4.96	85.1	14.9
K058	854359	15	1.03	5.12	4.36	85.5	14.5
K058	854360	317	0.96	5.56	4.84	87.1	12.9
K058	854361	38	1.07	5.53	4.88	88.2	11.8
K058	854362	218	1.06	4.69	4.16	88.7	11.3
K084	854473	80	1.02	5.46	3.76	68.9	31.1
K084	854474	126	1.03	5.04	3.43	68.1	31.9
K084	854475	167	1.04	5.07	3.85	75.9	24.1
K084	854476	174	1.05	5.05	3.64	72.1	27.9
K084	854477	269	1.04	5.2	2.98	57.3	42.7
K084	854478	306	1.05	5.29	4.22	79.8	20.2
K084	854479	231	1.04	5.51	4.56	82.6	17.4

Signed: Henry Alms Date: 8-21-07

Signed: [Signature] Date: 8-24-07



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