EPA Region 5 Records Ctr.
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Matrix Environmental, Inc.
1880 W. Winchester Rd., Suite 111
Libertyville, Illinois 60048
Phone: 847-367-6835
Fax: 847-367-6845

2 September 2005

Mr. John Seymour, P.E.
Yeoman Creek Remediation Group
Project Coordinator
GeoSyntec Consultants
55 W. Wacker Drive, Suite 1100
Chicago, IL 60601

Subject: JUNE 2005 GROUNDWATER MONITORING REPORT
Yeoman Creek Landfill Superfund Site
Waukegan, Illinois

Dear Mr. Seymour:

Matrix Environmental, Inc. (Matrix) has completed the June 2005 groundwater monitoring for the Yeoman Creek Landfill Superfund Site (YCLS Site) on behalf of the Yeoman Creek Remediation Group (YCRG) and GeoSyntec Consultants (GeoSyntec). The Yeoman Creek Superfund Site includes Yeoman Creek Landfill (YCL), Edwards Field Landfill, and Rubloff Landfill.

June 2005 Monitoring Event

The June 2005 monitoring event was conducted by Matrix from 28 June to 6 July. The monitoring event included:

- Sampling and field measurements at 45 monitoring locations, including: 40 monitoring wells and 5 landfill gas probes (shown on Figure 1).
- Each monitoring well was sampled for volatile organic compounds (VOCs), metals (total), cyanide, and indicator parameters (chloride, nitrate, nitrite, sulfate, sulfite).
- Depth to groundwater measurements were taken at each well location.

A summary of the June 2005 monitoring event activities is provided in Table 1.

Field work was performed in accordance with the site-specific Field Sampling Plan (FSP) prepared by GeoSyntec Consultants, dated August 2001 and the Quality Assurance Project Plan (QAPP) prepared by GeoSyntec Consultants, dated August 2001.

A representative from Weston Solutions, Inc. was present on-site to oversee sampling and construction activities on behalf of the United States Environmental Protection Agency (U.S. EPA).

Groundwater and Leachate Sampling

Prior to purging the wells, depth to groundwater measurements were collected on June 28 and 29. Groundwater elevations are presented in Table 2.

The wells were purged with dedicated tubing and a peristaltic pump using low-flow sampling techniques, with the exception of MW-403, which was purged and sampled using a disposable bailer. Well MW-403 is screen to bedrock and the water table was over 100 feet below grade surface (bgs). The wells were purged until field measurements were stable or after 30 minutes of purging in accordance with the FSP. Field measurements are considered stable when three consecutive readings vary less than ±0.1 unit pH, ± 0.5°C, ± 10 percent of conductivity, and less than 10 NTU for turbidity. A Horiba U-22 with a flow through cell was used to measure pH, temperature, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity. The HACH colorimeter, along with mixing reagent, was also used to obtain ferrous iron concentrations. Final field measurements collected during purging are included in Table 3.

Groundwater samples were collected from 19 Shallow Zone monitoring wells, 20 Lower Outwash monitoring wells, and a Bedrock monitoring well. Table 1 presents a list of all sample points.

Quality assurance/quality control (QA/QC) samples were collected during the sampling event in accordance with the QAPP. Two duplicate samples, three trip blanks, and three matrix spike/matrix spike duplicates were collected.

Laboratory Analytical Results

A summary of laboratory analytical results and field parameter measurements and a comparison to the Groundwater Quality Standards for Class I Potable Groundwater Resources (35 IAC 620.410) Standards is included in Table 3. Exceedances are summarized in Figure 4.

Leachate Wells

Leachate samples were not collected this quarter and new leachate wells were not constructed as of June 2005. It is anticipated that later this year new leachate wells will be installed and will be incorporated into future sampling events.

Shallow Zone Wells

The Shallow Zone monitoring wells consist of wells screened in lacustrine clays, organics, fluviolacustrine sands and upper outwash. During the sampling event, 19 Shallow Zone monitoring wells were sampled. The following table presents the constituents that were detected in the Shallow Zone wells above applicable standards.

Constituents Exceeding Drinking Water Standards in Shallow Zone Monitoring Wells

Location	Total Arsenic	Total Iron	Total Manganese	Total Boron	Vinyl Chloride	Sulfate	Chloride	pH
MW-102		X	X				X	
MW-106		X	X				X	
MW-202		X	X				X	X
MW-204							X	
MW-206	XX		X	X				
MW-208	XX	X	X			X		
MW-210		X	X		XX			
MW-211		X					X	
MW-212		X	X					
MW-214			X				X	
MW-216		X	X					
MW-217		X	X					
MW-402			X	X			X	
MW-406							X	
MW-E1							X	

X = Exceedance of 35 IAC 620.410
XX = Exceedance of 35 IAC 620.410 and Federal Drinking Water MCLs

During the sampling event, vinyl chloride was observed in MW-210 (located along the southern perimeter of YCL) at a concentration of 36 ug/L compared to 28 ug/L observed in December 2004. Vinyl chloride was not detected in any of the other wells during this sampling event. During previous sampling events benzene was detected above the Maximum Contaminant Level (MCL) in monitoring well MW-215; however, this well was inaccessible and could not be sampled this sampling event. Other parameters detected above applicable standards and previously detected during past sampling events include chloride, boron, iron, arsenic, sulfate, manganese, and pH.

Lower Outwash Monitoring Wells

The Lower Outwash monitoring wells are constructed within a glacial outwash unit consisting of coarse to fine sand and gravel. During the sampling event, 20 Lower Outwash monitoring wells were sampled. The following table shows the constituents that were detected in the Lower Outwash wells above applicable standards.

Constituents Exceeding Drinking Water Standards in Lower Outwash Monitoring Wells

Location	Total Manganese	Total Nickel	Chloride	pH
MW-101			X	
MW-105			X	
MW-112			X	
MW-201	X	X	X	
MW-205			X	
MW-209			X	X
MW-213	X		X	
MW-405		X		
MW-D	X		X	
MW-E2			X	

X = Exceedance of 35 IAC 620.410
XX = Exceedance of 35 IAC 620.410 and Federal Drinking Water MCLs

During this sampling event, vinyl chloride was not detected as previously detected in well MW-A (located southwest of Rubloff Landfill) at a concentration of 10 ug/L. The detection of vinyl chloride is inconsistent, since during historical sampling events the compound has also been non-detect. Parameters detected above applicable standards and previously detected during past sampling events include chloride, manganese, nickel, and pH.

Bedrock Well

MW-403 is the only monitoring well screened in bedrock. Results from this well indicated that pH and zinc were above Class I Standards. These parameters were not detected above standards during the last sampling even (December 2004).

Data Validation

Consistent with the data validation performed previously, data validation was performed on 10 percent of the data for the June 2005 groundwater monitoring results. The following samples underwent data validation and were consistent with samples validated during past sampling rounds:

- MW-103
- MW-210
- MW-216
- MW-A
- MW-E2

The data validation report for each lot of samples analyzed is attached as Attachment 1. The data validation found that the quality control procedures used by the laboratory during analysis were generally acceptable. A few instances were noted where data validation control specified quality control criteria were not met. Sample MW-E2 required manganese to be flagged as non-detect, U due to blank contamination. Samples MW-210 and MW-216 required boron and zinc to be flagged as non-detect U due to blank contamination. None of the other samples noted above were found to require qualification.

Consistent with data validation performed previously, the remainder of the laboratory data collected during the June 2005 sampling event is subject to a data review that consists of checking holding times, sample temperature, sample receipt, chain of custody, etc. Results of this data review are presented below.

Each sample cooler was received at a temperature less than or equal to 4 degrees C. The Chain-of-Custody for each shipment was properly relinquished and received. The trip blanks associated with batches A5G070131 and A5G060137 were not recorded on the chain of custody form; however, the laboratory did analyze trip blanks that were sent with shipments in those batches. Trip blanks were not recorded on the chain of custody forms associated with A5F300251 and no trip blanks were analyzed with those samples. Sample MW-401 was not

recorded on the chain of custody form for AF300251 or was inadvertently recorded as MW-44. The laboratory analyzed sample MW-401 and noted that MW-44 was not present. Sample MW105D associated with A5F300251 was missing one sample container. Volume from other analysis associated with that sample was used. The cooler receipt narratives indicate that signed and dated custody seals were present on each cooler shipped to the laboratory. The custody seals were intact upon receipt at the laboratory. Each sample was analyzed within the appropriate holding time. The data validation reports for each work order are included in Attachment 1.

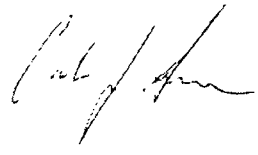
The reporting limits for the June/July 2005 groundwater monitoring event were within the reporting limits.

Potentiometric Surface Maps

The groundwater elevation data from the Lower Outwash monitoring wells was used to generate a groundwater potentiometric surface map. Groundwater flow for the lower outwash is generally towards the east as shown on Figure 2. Also indicated in the contour map is a slight mounding effect of the groundwater observed at the northeastern portion of the YCL site. The groundwater elevation data from the landfill gas probes were used to create Figure 3 (Potentiometric Surface Map for Leachate Wells). The leachate contours generally shows leachate (groundwater) flow radially away from Yeoman Creek.

Matrix appreciates the opportunity to provide the YCRG and GeoSyntec with environmental services. If Matrix can be of any additional assistance, please contact me at 847.367.6835.

Sincerely,



Carlos J. Serna, P.G.
Geologist/Hydrogeologist

Enclosures: Tables
Figures
Attachment 1 – Data Validation Reports
Attachment 2 – Analytical Data (CD-ROM)

Table 1
Summary of Quarterly Monitoring
June 2005
Yeoman Creek Landfill
Waukegan, Illinois

Sample Description	Hydrogeologic Unit	Water Levels	Field Parameters	Indicator Parameters*	VOCs, Metals, & Cyanide**
Groundwater Monitoring Wells					
MW-101	Lower Outwash	X	X	X	X
MW-102	Fluviolacustrine Sands	X	X	X	X
MW-103	Lower Outwash	X	X	X	X
MW-104	Fluviolacustrine Sands	X	X	X	X
MW-105	Lower Outwash	X	X	X	X
MW-106	Fluviolacustrine Sands	X	X	X	X
MW-107	Fluviolacustrine Sands	Damaged			
MW-108	Fluviolacustrine Sands	X	X	X	X
MW-109	Lower Outwash	X	X	X	X
MW-110	Fluviolacustrine Sands	X	X	X	X
MW-111	Fluviolacustrine Sands	X	Inaccessible		
MW-112	Lower Outwash	X	X	X	X
MW-201	Lower Outwash	X	X	X	X
MW-202	Fluviolacustrine Sands	X	X	X	X
MW-203	Lower Outwash	X	X	X	X
MW-204	Lacustrine Clays, Organics, Sand Lenses	X	X	X	X
MW-205	Lower Outwash	X	X	X	X
MW-206	Lacustrine Clays, Organics, Sand Lenses	X	X	X	X
MW-207	Lower Outwash	X	X	X	X
MW-208	Lacustrine Clays, Organics, Sand Lenses	X	X	X	X
MW-209	Lower Outwash	X	X	X	X
MW-210	Fluviolacustrine Sands	X	X	X	X
MW-211	Fluviolacustrine Sands	X	X	X	X
MW-212	Fluviolacustrine Sands	X	X	X	X
MW-213	Lower Outwash	X	X	X	X
MW-214	Fluviolacustrine Sands	X	X	X	X
MW-215	Fluviolacustrine Sands	Removed			
MW-216	Fluviolacustrine Sands	X	X	X	X
MW-217	Upper Outwash	X	X	X	X
MW-301	Lower Outwash	X	X	X	X
MW-401	Lower Outwash	X	X	X	X
MW-402	Lacustrine Clays, Organics, Sand Lenses	X	X	X	X
MW-403	Bedrock	X	X	X	X
MW-405	Lower Outwash	X	X	X	X
MW-406	Upper Outwash	X	X	X	X
MW-A	Lower Outwash	X	X	X	X
MW-B	Lower Outwash	X	X	X	X
MW-C	Lower Outwash	X	X	X	X
MW-D	Lower Outwash	X	X	X	X
MW-E1	Upper Outwash	X	X	X	X
MW-E2	Lower Outwash	X	X	X	X
MW-F	Lower Outwash	X	X	X	X
MW-G	Upper Outwash	X	X	X	X
Leachate Wells					
LW-101	Fill - Waste	Removed			
LW-102	Fill - Waste	Removed			
LW-103	Fill - Waste	Removed			
LW-202	Fill - Waste	Removed			

* Indicator Parameters include: Sulfate, Sulfide, Nitrate, Nitrite, Chloride

** Samples were analyzed for VOC's, metals (total) and cyanide as listed on Table A2, Initial Parameter List, Yeoman Creek Landfill Superfund Site, Waukegan, Illinois, provided by Matrix Environmental, Inc.

Table 1
Summary of Quarterly Monitoring
June 2005
Yeoman Creek Landfill
Waukegan, Illinois

Sample Description	Hydrogeologic Unit	Water Levels	Field Parameters	Indicator Parameters*	VOCs, Metals, & Cyanide**
Landfill Gas Probes					
LFG-101	Presumed Fill Soils	Dry			
LFG-102	Presumed Fill Soils	Removed			
LFG-103	Presumed Fill Soils	Damaged			
LFG-104	Presumed Fill Soils	Dry			
LFG-105	Fill - Waste	Removed			
LFG-106	Fill - Waste	Removed			
LFG-107	Fill - Waste	Removed			
LFG-108	Presumed Fill Soils	Removed			
LFG-109	Fill - Waste	Damaged			
LFG-110	Presumed Fill Soils	Damaged/Removed			
LFG-111	Presumed Fill Soils	Damaged			
LFG-201	Fill Soils	X			
LFG-202	Presumed Fill Soils	X			
LFG-203	Presumed Fill Soils	Dry			
LFG-204	Presumed Fill Soils	X			
LFG-205	Presumed Fill Soils	Dry			
LFG-206	Presumed Fill Soils	Dry			
LFG-207	Presumed Fill Soils	X			
LFG-208	Fill Soils	Dry			
LFG-211	Presumed Fill Soils	Removed			
LFG-216	Fill - Waste	Removed			
LFG-218R	Presumed Fill Soils	Dry			
LFG-219	Presumed Fill Soils	Inaccesible			
LFG-220R	Presumed Fill Soils	Dry			
LFG-221	Presumed Fill Soils	X			
LFG-222R	Presumed Fill Soils	Removed			
LFG-223	Fill Soils	Cannot locate			
LFG-224	Presumed Fill Soils	Dry			

* Indicator Parameters include: Sulfate, Sulfide, Nitrate, Nitrite, Chloride

** Samples were analyzed for VOCs, metals (total) and cyanide as listed on Table A2, Initial Parameter List, Yeoman Creek Landfill Superfund Site, Waukegan, Illinois, provided by Matrix Environmental, Inc.

Table 2
Summary of Groundwater Elevations
June 2005
Yeoman Creek Landfill
Waukegan, Illinois

Location ID	Top of PVC* (MSL)	Total Well Depth* (feet)	Depth to Water 10/04 (feet)	Groundwater Elevation 10/04 (MSL)
Shallow Zone Wells				
Lacustrine Clays, Organics, Sand Lenses				
MW-204	662.45	22.67	17.20	645.25
MW-206	663.75	21.83	10.51	653.24
MW-208	659.31	21.31	12.39	646.92
MW-402	657.25	20.28	5.33	651.92
Fluviolacustrine Sands				
MW-102	653.53	23.77	8.11	645.42
MW-104	652.53	25.30	7.08	645.45
MW-106	654.96	20.26	7.98	646.98
MW-107	656.46	21.59	DAMAGED	
MW-108	654.59	25.22	9.15	645.44
MW-110	653.18	25.25	7.96	645.22
MW-111	655.64	25.27	INACCESSIBLE	
MW-202	660.01	27.82	9.32	650.69
MW-210	651.81	26.15	5.65	646.16
MW-211	658.81	41.93	13.06	645.75
MW-212	658.87	18.79	13.16	645.71
MW-214	653.54	24.29	6.85	646.69
MW-215	654.80	20.27	INACCESSIBLE	
MW-216	657.47	24.77	11.95	645.52
Upper Outwash				
MW-217	651.68	17.84	6.20	645.48
MW-406	661.19	32.91	18.73	642.46
MW-E1	664.75	33.81	20.25	644.50
MW-G	664.96	24.63	8.58	656.38

Note: Top of PVC Elevations for groundwater wells provided by Parsons Engineering Sciences, Inc. except for wells MW-112 and MW-217 which were installed and surveyed by Weaver Boos Consultants, Inc.
Water level measurements obtained on June 28 and 29, 2005.

Table 2
Summary of Groundwater Elevations
June 2005
Yeoman Creek Landfill
Waukegan, Illinois

Location ID	Top of PVC* (MSL)	Total Well Depth* (feet)	Depth to Water 10/04 (feet)	Groundwater Elevation 10/04 (MSL)
Lower Outwash Wells				
MW-101	653.63	40.25	8.22	645.41
MW-103	652.19	50.28	6.87	645.32
MW-105	654.79	45.37	9.29	645.50
MW-109	653.49	64.59	9.85	643.64
MW-112	649.45	39.87	4.31	645.14
MW-201	659.80	57.36	14.45	645.35
MW-203	663.00	68.51	20.41	642.59
MW-205	664.13	74.55	21.30	642.83
MW-207	658.50	47.02	15.55	642.95
MW-209	651.75	46.91	6.51	645.24
MW-213	653.89	47.11	8.44	645.45
MW-301	678.74	45.36	23.02	655.72
MW-401	657.53	60.77	14.76	642.77
MW-405	661.56	62.94	19.51	642.05
MW-A	655.54	50.18	10.12	645.42
MW-B	654.49	58.74	8.80	645.69
MW-C	655.31	49.51	11.67	643.64
MW-D	655.33	36.96	9.70	645.63
MW-E2	664.71	53.92	19.98	644.73
MW-F	660.30	43.27	16.56	643.74
Bedrock Well				
MW-403	657.63	174.75	102.50	555.13
Leachate Wells				
LW-101	655.77	15.09	REMOVED	
LW-102	656.94	13.31	REMOVED	
LW-103	654.93	15.11	REMOVED	
LW-202	659.56	13.92	REMOVED	

Note: Top of PVC Elevations for groundwater wells provided by Parsons Engineering Sciences, Inc. except for wells MW-112 and MW-217 which were installed and surveyed by Weaver Boos Consultants, Inc.
Water level measurements obtained on June 28 and 29, 2005.

Table 2
Summary of Groundwater Elevations
June 2005
Yeoman Creek Landfill
Waukegan, Illinois

Location ID	Top of PVC* (MSL)	Total Well Depth* (feet)	Depth to Water 10/04 (feet)	Groundwater Elevation 10/04 (MSL)
Landfill Gas Probes				
LFG-101	652.77	10.03	DRY	
LFG-102	654.01	10.13	REMOVED	
LFG-103	655.37	10.13	DAMAGED	
LFG-104	654.23	10.15	DRY	
LFG-105	654.55	8.85	REMOVED	
LFG-106	653.93	9.06	REMOVED	
LFG-107	652.64	5.54	REMOVED	
LFG-108	654.44	9.24	REMOVED	
LFG-109	652.39	7.68	DAMAGED	
LFG-110	652.19	9.92	DAMAGED/REMOVED	
LFG-111	654.01	10.22	DAMAGED	
LFG-201	660.68	8.24	9.43	651.25
LFG-202	662.33	9.98	9.03	653.30
LFG-203	663.76	10.06	DRY	
LFG-204	658.34	10.33	9.43	648.91
LFG-205	656.72	10.28	DRY	
LFG-206	659.46	10.35	DRY	
LFG-207	657.02	10.32	8.51	648.51
LFG-208	657.80	10.12	DRY	
LFG-211	660.81	7.48	REMOVED	
LFG-216	656.62	10.20	REMOVED	
LFG-218R	662.19	6.75	DRY	
LFG-219	661.83	10.10	INACCESIBLE	
LFG-220	660.32	10.16	DRY	
LFG-221	660.04	10.21	10.04	650.00
LFG-222R	663.38	7.87	REMOVED	
LFG-223	660.83	9.82	CANNOT LOCATE	
LFG-224	665.28	9.97	DRY	

Note: Top of PVC Elevations for groundwater wells provided by Parsons Engineering Sciences, Inc. except for wells MW-112 and MW-217 which were installed and surveyed by Weaver Boos Consultants, Inc.
Water level measurements obtained on June 28 and 29, 2005.

2 September 2005

Table 3
Summary of Analytical Results
Second Quarter 2005 Groundwater Monitoring Event
Yeoman Creek Landfill
Waukegan, Illinois

Parameter Name	Units	35 IAC 620.410 Class I Standard	Federal MCL	MW-101	MW-102	MW-103	MW-104	MW-105	MW-106	MW-108	MW-109	MW-110	MW-112	MW-201	MW-202	MW-203	MW-204	MW-205	MW-206	MW-207	MW-208	MW-209	MW-210	MW-211	MW-212	MW-213
				LO	SZ	LO	SZ	LO	SZ	SZ	LO	SZ	LO	LO	SZ	LO	SZ	LO	SZ	LO	SZ	LO	SZ	SZ	SZ	LO
Field/Indicator Parameters																										
Dissolved Oxygen	mg/L	NA	NA	0.4	0.4	1.9	0.8	1.1	0.4	0.8	1.1	0.7	2.7	0.6	9.68	6.1	0.9	0.7	0.8	0.5	0.8	13.16	0.8	0.24	1.0	0.20
Ferrous Iron	mg/L	NA	NA	0.08	3.3	3.3	3.3	0	3.3	0.82	2.65	3.3	2.72	3.16	5.97	0.01	0.2	3.30	2.88	2.41	3.30	1.87	#N/A	#N/A	2.12	3.3
pH	pH	6.5-9.0	NA	7.3	7.2	7.4	7	7.7	6.8	7.3	7.3	7.2	7.6	7.8	*6.24*	8.7	8.5	7.3	7.6	7.1	6.8	*5.93*	7.1	6.6	6.8	6.54
Redox Potential	mV	NA	NA	-80	-88	-84	-144	202	-64	-3	-94	-82	78	-48	-106.9	133	6	-101	-133	-66	-45	-1041	-70	-379	-78	-344
Specific Conductivity	ms/cm	NA	NA	0.23	0.35	0.22	0.34	0.17	0.26	79	0.17	0.19	0.18	0.23	0.0	58	0.21	0.2	0.28	0.19	0.22	0.00	0.21	1.67	0.12	1.79
Temperature	C	NA	NA	14	13.6	16.5	15.5	13	13.7	12.5	15.4	15.1	15.0	14.4	17.2	15.0	13.8	16.2	15.4	17.2	14.0	15.99	14.6	14.56	15.6	15.54
Turbidity	NTU	NA	1	**5**	**41**	**2**	**2**	**10**	1	**2**	1	1	**4**	**30**	**70.6**	**2**	**4**	**4**	**9**	1	**10**	34.1	**16**	-10	**9**	-10.0
Chloride	mg/L	200	NA	**401**	**707**	196	**293**	**227**	**241**	46.9	178	196	**247**	**414**	**1220**	3	**233**	**224**	94.9	171	36.4	**252**	198	**345**	28.6	**234**
Cyanide, Total	mg/L	0.2	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0098 B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/L	10	NA	0.050 B	0.020 B	0.060 B	0.020 B	0.16	0.020 B	<0.1	0.020 B	0.020 B	0.020 B	<0.1	<0.1	0.25	0.080 B	<0.1	0.020 B	<0.1	<0.1	<0.1	<0.1	<0.1	0.035 B	<0.1
Nitrite as N	mg/L	NA	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate	mg/L	400	NA	145	274 J	108	51.8	83.5	239	79.1	148	55.4	192	120	3.6	49.5	186	53.5	329	121	**815**	150	291	148	98.7	139
Sulfide	mg/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.7	<1	0.48 B	<1	<1	<1	<1	<1	0.42 B	3.1	<1	<1	1.1
Volatile Organic Compounds																										
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	600	600	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethene (total)	ug/L	70	70	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.43 J	<1	1.7	<1	43	<1	<1	<1
1,3-Dichlorobenzene	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/L	75	75	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.46 J	<1	<1	<1	<1	<1
2-Butanone	ug/L	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.42 J	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	ug/L	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	ug/L	NA	NA	<10	0.86 J	1.1 J	7.9 J	<10	<10	<10	<10	1.5 J	1.4 J	<10	<10	<10	<10	<10	1.2 J	<10	<10	<10	<10	<10	<10	<10
Benzene	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	0.84 J	<1	<1	1.1	<1	<1
Bromodichloromethane	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	NA	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	6.8	<1	<1	<1	0.82 J	<1
Chloroethane	ug/L	NA	NA	<1	<1	<1	1.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	700	700	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/L	100	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/L	1,000	1,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	ug/L	2	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.30 J	<1	0.34 J	<1	**36**	<1	<1	<1
Xylenes (total)	ug/L	10,000	10,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Metals/Inorganics - Total																										
Aluminum	mg/L	NA	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.060 B	0.26	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.26	<0.2	<0.2	<0.2
Antimony	mg/L	0.006	0.006	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	mg/L	0.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.25**	<0.01	**0.019**	<0.01	<0.01	<0.01	<0.01	<0.01
Barium	mg/L	2	2	0.074 B	0.10 B	0.10 B	0.54	0.16 B	0.19 B	0.051 B	0.046 B	0.13 B	0.066 B	0.29	0.73	0.098 B	0.013 B	0.59	0.22	0.26	0.039 B	0.067 B	0.10 B	0.46	0.16 B	0.21
Beryllium	mg/L	0.004	0.004	0.00048 B	0.00060 B	0.00041 B	0.00041 B	<0.005	0.00032 B	0.00039 B	0.00038 B	0.00036 B	0.00038 B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron	mg/L	2	NA	0.16 B	0.2	0.32	0.82	0.34	0.25	0.16 B	0.29	0.43	0.16 B	0.19 B J	0.46 J	0.23	0.099 B	0.4	*18*	0.33	0.24	0.11 B J	0.10 B J U	0.33	0.12 B	0.44 J
Cadmium	mg/L	0.005	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Calcium	mg/L	NA	NA	157 J	184 J	146 J	101 J	112 J	267 J	87.8 J	111 J	114 J	139 J	147	409	29.4 J	60.2 J	153 J	141 J	147 J	272 J	188	222	129 J	132 J	172
Chromium	mg/L	0.1	0.1	0.0048 B	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.017	0.0058	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0017 B	<0.005	<0.005	<0.005
Cobalt	mg/L	1	NA	<0.007	<0.007	<0.007	0.0053 B	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	0.0063 B	0.0044 B	<0.007	<0.007	<0.007	<0.007	<0.007	0.0053 B	<0.007	<0.007	0.0022 B	<0.007	<0.007
Copper	mg/L	0.65	1.3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.0063 B	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Iron	mg/L	5	NA	3.5	*9.7*	4.2	4.7	3.5	*20.5*	0.84	2.5	3.1	3.5	3.8	*7.8*	0.037 B	<0.1	4.1	3.1	2.6	*25.5*	3.8	*9.5*	*11.5*	*18.9*	4.4
Lead	mg/L	0.0075	0.015	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	NA	NA	91.7	39.6	75.3	87.5	67	100	46.5	94.6	81.5	71.5	63.1	270	45.3	137	108	153	80	127	79.9	103	74.2	46.9	62.7
Manganese	mg/L	0.15	NA	0.043 J	*0.20 J*	0.019 J	0.14 J	0.025 J	*0.43 J*	0.077 J	0.014 B J	0.016 J	0.076 J	*0.2*	*0.46*	0.00069 B J	0.011 B J	0.018 J	*0.20 J*	0.034 J	*1.3 J*	0.089	*0.31*	0.11 J	*0.31 J*	*0.29*
Mercury	mg/L	0.002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	mg/L	0.1	NA	0.014 B	<0.04	<0.04	0.0020 B	<0.04	<0.04	0.0044 B	0.0017 B	<0.04	<0.04	*0.34*	0.0063 B	<0.04	0.025 B	0.0033 B	0.0049 B	0.0019 B	0.0071 B	<0.04	0.0042 B	0.0021 B	<0.04	<0.04
Potassium	mg/L	NA	NA	5.3 J	5.5 J	25.5 J	67.3 J	16.5 J	5.7 J	1.6 B J	3.5 B J	22.8 J	3.5 B J	5.7	34.9	1.8 B J	5.8 J	3.9 B J	36.1 J	27.1 J	12.0 J	4.2 B	5.5	26.1 J	4.4 B J	8.6
Selenium	mg/L	0.05	0.05	<0.0002	0.0032 B J	0.0030 B J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0027 B	<0.0002	<0.0002	<0.0002	<0.0002
Sodium	mg/L	NA	NA	160	423	131	227	131	79.1	25	91.5	122	129	223	638	29.4	170	98.8	102	65.1	21.2	95.9	72.3	67.3	33.3	153
Vanadium	mg/L	NA	NA	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	0.0037 B	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Zinc	mg/L	5	NA	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0072 B J	<0.02	0.012 B J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.0083 UB J	0.0066 B J	<0.02	<0.02

Notes:
Freon 113 is 1,1,2-Trichloro-1,2,2-trifluoroethane.
Exceedance of 35 IAC 620.410 Class I Standards indicated by *0.43*
Exceedance of 35 IAC 620.410 Class I Standards and Federal Drinking Water MCLs, if applicable, indicated by **0.26**
NA - Not Available
NS - Not Sampled
LW - Leachate Well
LO - Lower Outwash
SZ - Shallow Zone
B - The result is reported between the associated MDL and RL (inorganics)
J - Estimated result. Result is less than Reporting Limit.
U - Non-detect because of blank contamination

Table 3
Summary of Analytical Results
Second Quarter 2005 Groundwater Monitoring Event
Yeoman Creek Landfill
Waukegan, Illinois

Parameter Name	Units	35 IAC 620.410 Class I Standard	Federal MCL	MW-214	MW-216	MW-217	MW-301	MW-401	MW-402	MW-403	MW-405	MW-406	MW-A	MW-B	MW-C	MW-D	MW-E1	MW-E2	MW-F	MW-G
				SZ	SZ	SZ	LO	LO	SZ	BEDROCK	LO	SZ	LO	LO	LO	LO	SZ	LO	LO	SZ
Field/Indicator Parameters																				
Dissolved Oxygen	mg/L	NA	NA	1.1	0.6	0.00	3.3	1.0	0.7	2.4	0.8	0.5	1.5	0.4	1	0.25	1.3	1.4	6.77	0.5
Ferrous Iron	mg/L	NA	NA	2.62	#N/A	1.21	0.01	0.16	0.32	0.45	0.02	1.29	0.02	0.45	0.26	2.31	0.76	3.3	2.93	1.36
pH	pH	6.5-9.0	NA	7.3	7.0	6.66	6.8	7.3	7	*10.3*	7.4	7.0	7.3	7.3	7.6	6.77	7.8	7	6.75	7.6
Redox Potential	mV	NA	NA	-108	-89	-520	118	102	-47	-454	136	-36	240	-78	-75	-377	-115.00	-56	-344	-110
Specific Conductivity	ms/cm	NA	NA	0.18	0.19	0.887	31	0.18	0.27	0.49	0.16	0.26	0.12	65	0.10	1.93	0.28	0.26	2.7	7.1
Temperature	C	NA	NA	15.7	16.3	12.47	14.8	13.3	12.8	12.7	15.3	15.0	14.6	16.7	15.8	15.81	15.1	16.1	16.27	14.8
Turbidity	NTU	NA	1	**9**	**11**	**13.4**	**28**	**2**	1	**38.6**	**3**	**4**	**7**	**24**	**6**	-10	**8**	**5**	**140**	**43**
Chloride	mg/L	200	NA	*221*	139	74.7	7.3	112	*452*	21.9	187	*256*	90.6	1	17.6	*387*	*743*	*347*	83.7	3.4
Cyanide, Total	mg/L	0.2	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0041 B	<0.01	<0.01
Nitrate as N	mg/L	10	NA	<0.1	<0.1	0.41	0.020 B	3.5	<0.1	0.019 B	2.3	<0.1	0.33	<0.1	<0.1	0.027 B	<0.1	0.022 B	0.025 B	<0.1
Nitrite as N	mg/L	NA	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate	mg/L	400	NA	26.8	121	76.2	8.4	20.9	287	148	47.2	8.1	104	67.4	98.6	84.2	44.4	138	27.7	68.9
Sulfide	mg/L	NA	NA	0.74	0.74	1.9	<1	0.64	<1	<1	<1	<1	<1	<1	0.42 B	<1	<1	<1	0.38 B	<1
Volatile Organic Compounds																				
1,1,2,2-Tetrachloroethane	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	600	600	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethene (total)	ug/L	70	70	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/L	75	75	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-Butanone	ug/L	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl-2-pentanone	ug/L	NA	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	ug/L	NA	NA	<10	<10	<10	<10	0.86 J	<10	<10	<10	<10	0.84 J	<10	<10	<10	<10	<10	<10	<10
Benzene	ug/L	5	5	<1	0.26 J	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	NA	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	700	700	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene chloride	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/L	100	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/L	1,000	1,000	<1	<1	<1	<1	<1	<1	310	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/L	5	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl chloride	ug/L	2	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1
Xylenes (total)	ug/L	10,000	10,000	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Metals/Inorganics - Total																				
Aluminum	mg/L	NA	NA	<0.2	<0.2	0.32	<0.2	<0.2	<0.2	0.050 B	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.062 B	<0.2	<0.2	<0.2
Antimony	mg/L	0.006	0.006	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	mg/L	0.05	0.01	<0.01	0.0098 B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0048 B	<0.01	<0.01	<0.01
Barium	mg/L	2	2	0.31	0.27	0.062 B	0.075 B	0.55	0.16 B	0.0044 B	0.28	1.3	0.058 B	0.086 B	0.053 B	0.10 B	0.31	0.6	0.12 B	0.15 B
Beryllium	mg/L	0.004	0.004	<0.005	<0.005	<0.005	<0.005	0.00043 B	0.00042 B	<0.005	<0.005	<0.005	0.00036 B	<0.005	<0.005	<0.005	<0.005	0.00039 B	<0.005	<0.005
Boron	mg/L	2	NA	0.097 B J	0.20 UJ	0.084 B J	0.19 B	0.49	*4.7*	0.83	0.2	0.63	0.23	0.43	0.27 J	0.086 B	0.13 B	0.51	0.36	0.073 B
Cadmium	mg/L	0.005	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Calcium	mg/L	NA	NA	168	198	92.5	43.6 J	121 J	220 J	6.8 J	107 J	138 J	90.5 J	47.3 J	69.9	126 J	100 J	185 J	145 J	76.4 J
Chromium	mg/L	0.1	0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cobalt	mg/L	1	NA	<0.007	0.0017 B	<0.007	<0.007	<0.007	<0.007	<0.007	0.0026 B	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Copper	mg/L	0.65	1.3	<0.025	<0.025	0.0054 B	<0.025	<0.025	<0.025	0.065	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Iron	mg/L	5	NA	3.4	*19*	*6.2*	0.043 B	0.049 B	0.67	0.73	<0.1	0.94	0.43	0.45	0.33	2.4	0.75	4	4.3	1.2
Lead	mg/L	0.0075	0.015	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.0027 B	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Magnesium	mg/L	NA	NA	79.7	79.5	37.1	29.1	66.8	66.5	6.4	77.1	76.6	58.3	40.6	73.9	47.5	51.2	95.1	98.6	45.6
Manganese	mg/L	0.15	NA	*0.19*	*0.86*	*0.41*	0.012 B J	0.0084 B J	*0.52 J*	0.011 B J	0.084 J	0.041 J	0.0050 B J	0.011 B J	0.012 B	0.14 J	0.038 J	0.083 JU	0.045 J	0.026 J
Mercury	mg/L	0.002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	mg/L	0.1	NA	<0.04	0.0019 B	0.0034 B	0.0090 B	0.0017 B	<0.04	0.0044 B	*0.21*	0.0031 B	<0.04	<0.04	<0.04	<0.04	0.019 B	0.0037 B	<0.04	<0.04
Potassium	mg/L	NA	NA	4.9 B	10.9	2.3 B	2.4 B J	35.2 J	9.4 J	2.6 B J	12.4 J	31.0 J	3.1 B J	1.9 B J	2.4 B	3.8 B J	7.8 J	21.8 J	15.0 J	1.6 B J
Selenium	mg/L	0.05	0.05	0.0026 B	<0.0002	<0.0002	0.0028 B J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0030 B J	<0.0002	<0.0002	<0.0002	0.0025 B	<0.0002	0.0030 B J
Sodium	mg/L	NA	NA	93.2	70.3	131	20.1	60.7	186	112	77.2	167	47	38.6	29	214	339	158	162	11.7
Vanadium	mg/L	NA	NA	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007	<0.007
Zinc	mg/L	5	NA	<0.02	<0.02	0.0082 B J	0.029 J	<0.02	0.0070 B J	*9.6 J*	0.31 J	<0.02	<0.02	0.010 B J	<0.02	<0.02	0.10 J	<0.02	0.0078 B J	<0.02

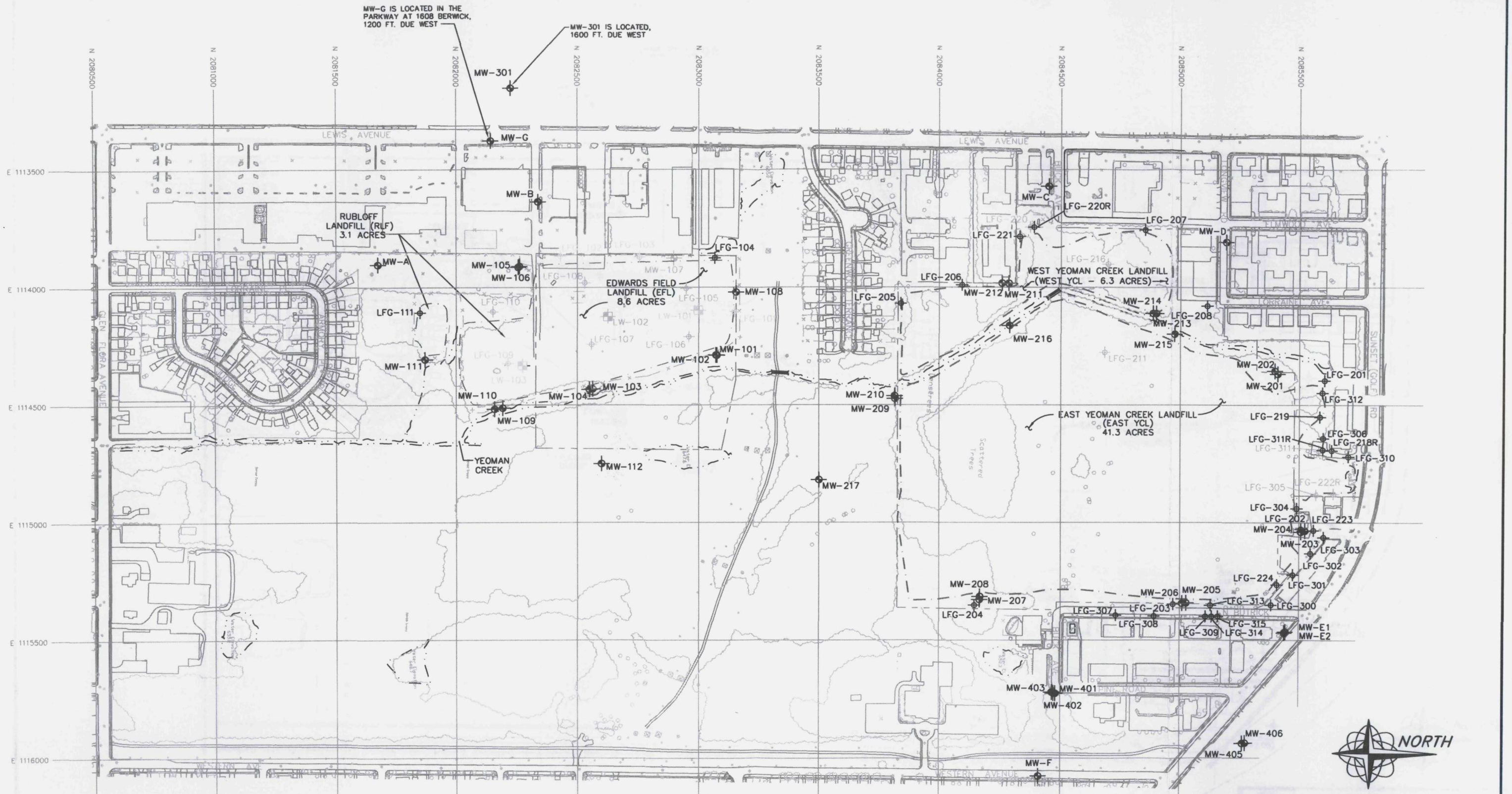
Notes:

Freon 113 is 1,1,2-Trichloro-1,2,2-trifluoroethane.

Exceedance of 35 IAC 620.410 Class I Standards indicated by *0.43*

Exceedance of 35 IAC 620.410 Class I Standards and Federal Drinking Water MCLs, if applicable, indicated by **0.26**

NA - Not Available
NS - Not Sampled
LW - Leachate Well
LO - Lower Outwash
SZ - Shallow Zone
B - The result is reported between the associated MDL and RL (inorganics)
J - Estimated result. Result is less than Reporting Limit.
U - Non-detect because of blank contamination



LEGEND

- APPROXIMATE LIMIT OF WASTE
- APPROXIMATE PROPERTY LINE
- MW-201 GROUNDWATER MONITORING WELL
- LW-201 LEACHATE WELL
- LFG998 GAS PROBE
- SURFACE WATER
- REMOVED/ABANDONED LOCATIONS
- TREE LINE
- EXISTING ROAD
- EXISTING TREE
- HOUSE OR STRUCTURE
- SIDEWALK
- EXISTING FENCE

SCALE

0 200' 400' 800'

NOTE:

1. DRAWING ADAPTED FROM DRAWING NO. 2 OF 29 FROM GEOSYNTEC CONSULTANTS, JOB No. 000864-8.4, DATED APRIL 27, 2001 (REMEDIAL DESIGN, YEOMAN CREEK LANDFILL SUPERFUND SITE, WAUKEGAN, ILLINOIS).

Matrix Environmental, Inc.
1880 W. Winchester Rd., Suite 111
Libertyville, Illinois 60048

CLIENT: THE YEOMAN CREEK REMEDIATION GROUP

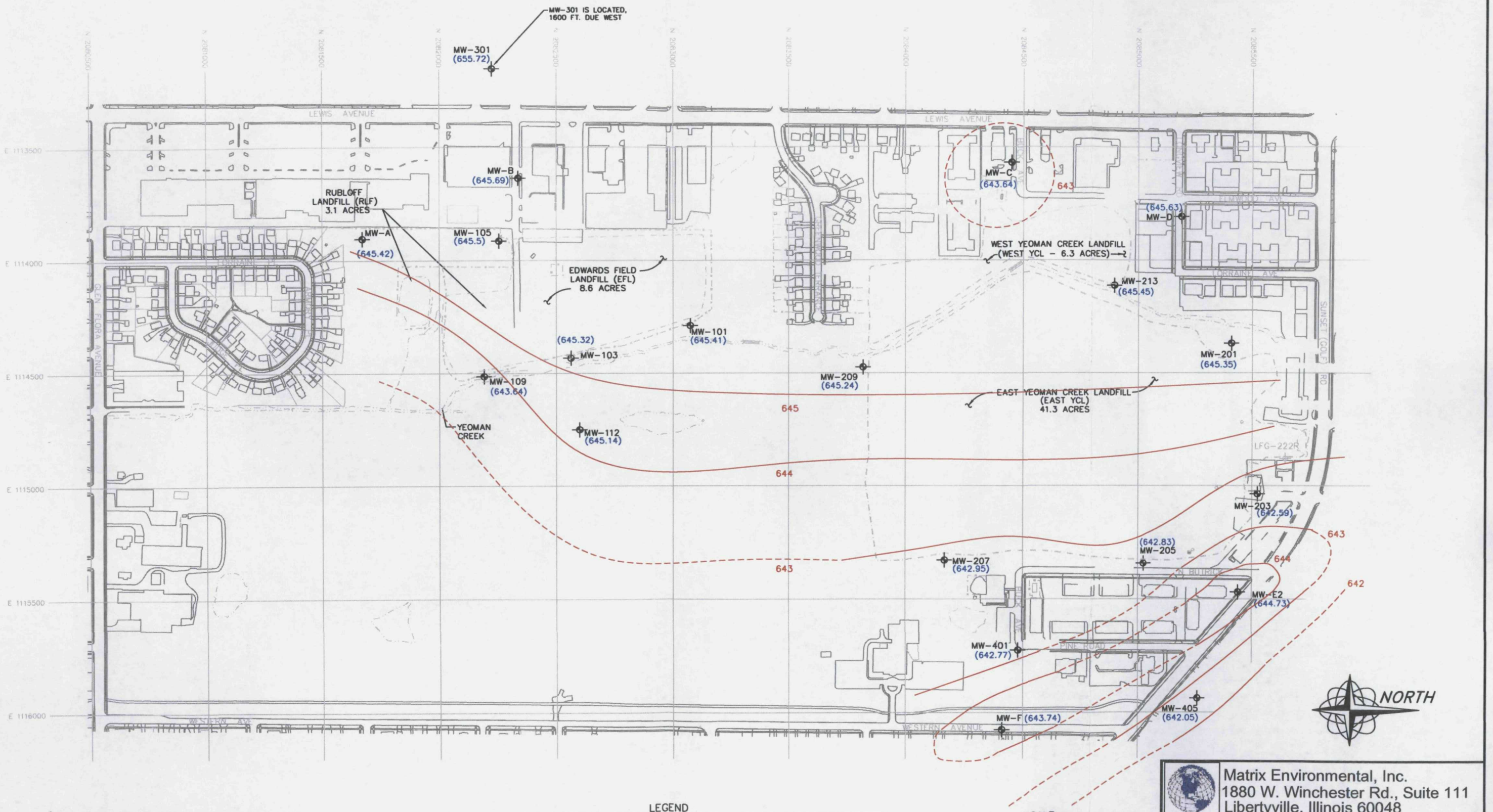
PROJECT: INTERIM OPERATION AND MAINTENANCE
YEOMAN CREEK LANDFILL SUPERFUND SITE, WAUKEGAN, ILLINOIS

TITLE: MONITORING POINT LOCATIONS

PROJECT:

DATE:

FIGURE 1



NOTES:
1. GROUNDWATER ELEVATIONS MEASURED WERE RECORDED 28 AND 29 JUNE 2005.

2. DRAWING ADAPTED FROM DRAWING NO. 2 OF 29 FROM GEOSYNTEC CONSULTANTS, JOB No. 000864-8.4, DATED APRIL 27, 2001 (REMEDIAL DESIGN, YEOMAN CREEK LANDFILL SUPERFUND SITE, WAUKEGAN, ILLINOIS).

3. GROUNDWATER ELEVATION FOR MW-C APPEARS TO BE ANOMALOUSLY LOW IN RELATION TO SURROUNDING DATA, THEREFORE IT WAS DASHED TO APPROXIMATE ELEVATION CONTOURS.

LEGEND

- APPROXIMATE LIMIT OF WASTE
- APPROXIMATE PROPERTY LINE
- MW-101 (646.89) GROUNDWATER MONITORING WELL
- 646 GROUNDWATER ELEVATION CONTOUR
- EXISTING ROAD
- HOUSE OR STRUCTURE
- SIDEWALK
- EXISTING FENCE

SCALE

0 200' 400' 800'

Matrix Environmental, Inc.
1880 W. Winchester Rd., Suite 111
Libertyville, Illinois 60048

CLIENT: THE YEOMAN CREEK REMEDIATION GROUP

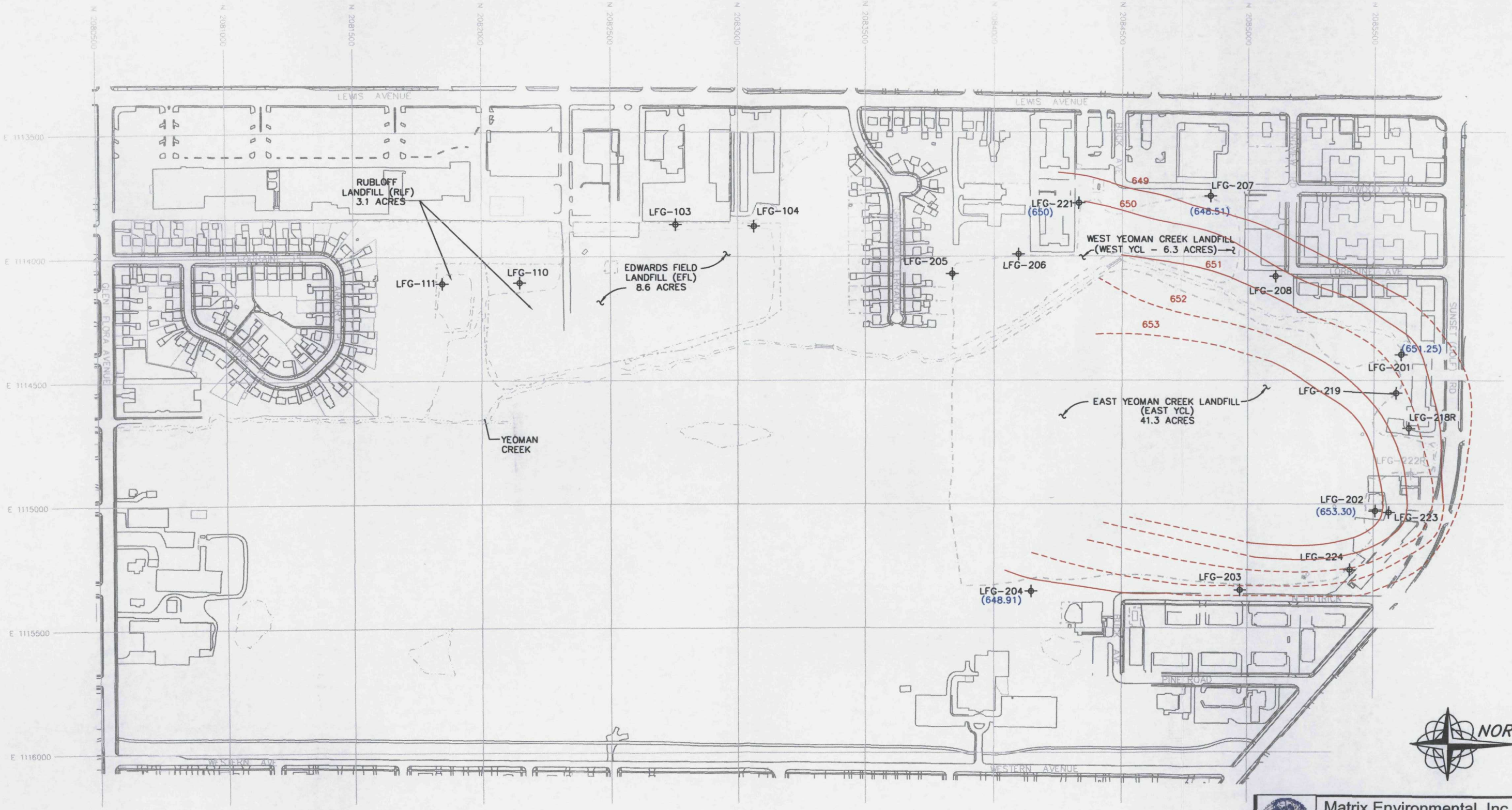
PROJECT: INTERIM OPERATION AND MAINTENANCE
YEOMAN CREEK LANDFILL SUPERFUND SITE, WAUKEGAN, ILLINOIS

TITLE: JUNE 2005
POTENTIOMETRIC SURFACE MAP FOR LOWER OUTWASH WELLS

PROJECT:

DATE:

FIGURE 2



NOTES:
1. GROUNDWATER ELEVATION MEASUREMENTS WERE RECORDED 28 AND 29 JUNE 2005.

2. DRAWING ADAPTED FROM DRAWING NO. 2 OF 29 FROM GEOSYNTEC CONSULTANTS, JOB No. 000864-8.4, DATED APRIL 27, 2001 (REMEDIAL DESIGN, YEOMAN CREEK LANDFILL SUPERFUND SITE, WAUKEGAN, ILLINOIS).

LEGEND

- APPROXIMATE LIMIT OF WASTE
- APPROXIMATE PROPERTY LINE
- LFG-104 (645.51) GROUNDWATER MONITORING WELL
- 654 GROUNDWATER ELEVATION CONTOUR
- EXISTING ROAD
- HOUSE OR STRUCTURE
- SIDEWALK
- EXISTING FENCE

SCALE

0 200' 400' 800'

Matrix Environmental, Inc.
1880 W. Winchester Rd., Suite 111
Libertyville, Illinois 60048

CLIENT: THE YEOMAN CREEK REMEDIATION GROUP

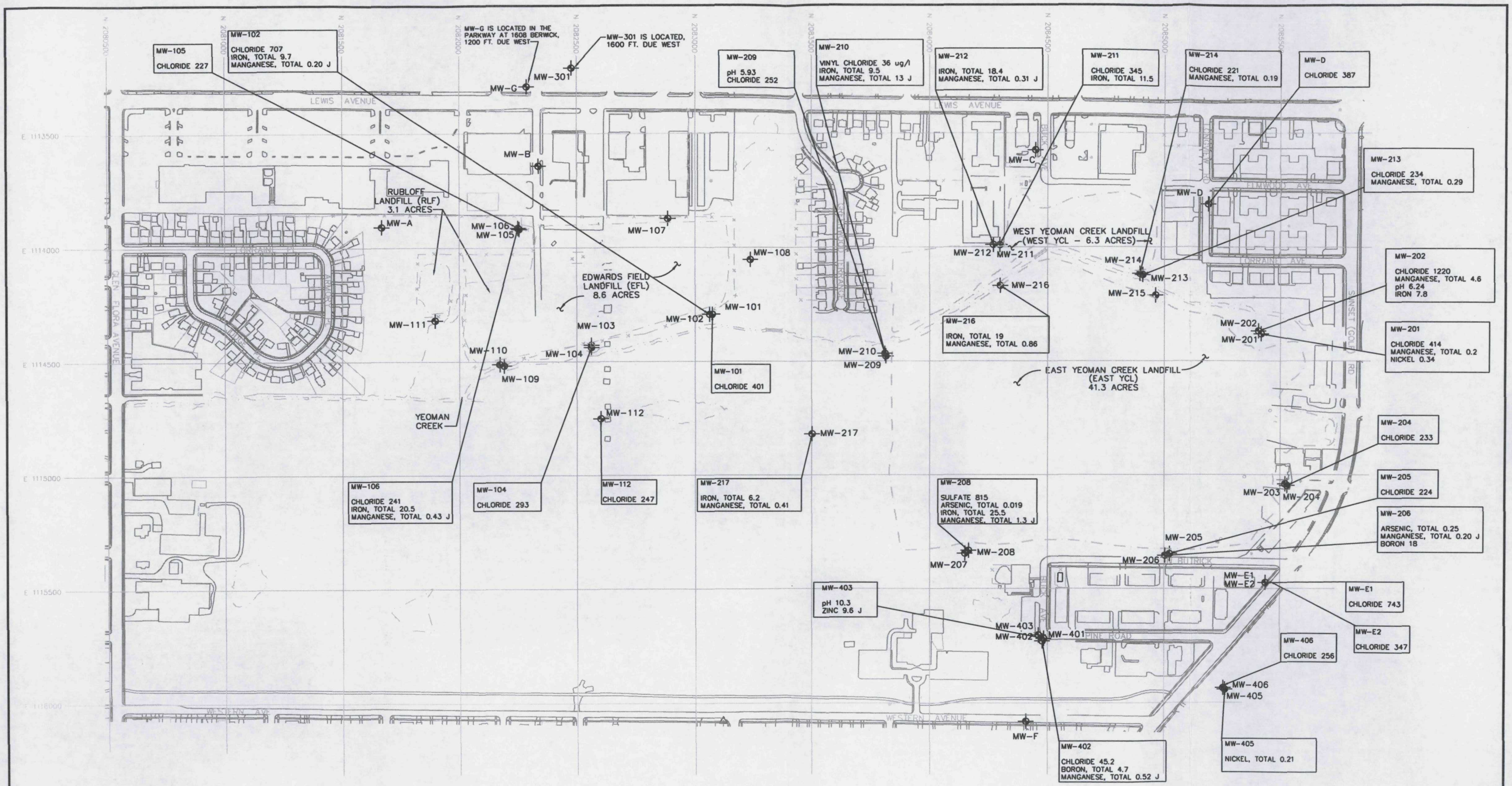
PROJECT: INTERIM OPERATION AND MAINTENANCE
YEOMAN CREEK LANDFILL SUPERFUND SITE, WAUKEGAN, ILLINOIS

TITLE: JUNE 2005
WATER TABLE SURFACE MAP FOR LEACHATE WELLS

PROJECT:

DATE:

FIGURE 3



NOTES:

1. DRAWING ADAPTED FROM DRAWING NO. 2 OF 29 FROM GEOSYNTEC CONSULTANTS, JOB No. 000864-8.4, DATED APRIL 27, 2001 (REMEDIAL DESIGN, YEOMAN CREEK LANDFILL SUPERFUND SITE, WAUKEGAN, ILLINOIS).
2. J - ESTIMATED RESULT. RESULT IS LESS THAN REPORTING LIMIT.

LEGEND

- APPROXIMATE LIMIT OF WASTE
- APPROXIMATE PROPERTY LINE
- MW-209 GROUNDWATER MONITORING WELL
- EXISTING ROAD
- HOUSE OR STRUCTURE
- SIDEWALK
- EXISTING FENCE

NORTH

SCALE

0 200' 400' 800'

Matrix Environmental, Inc.
1880 W. Winchester Rd., Suite 111
Libertyville, Illinois 60048

CLIENT: THE YEOMAN CREEK REMEDIATION GROUP

PROJECT: INTERIM OPERATION AND MAINTENANCE
YEOMAN CREEK LANDFILL SUPERFUND SITE, WAUKEGAN, ILLINOIS

TITLE: IAC 620.410 JUNE 2005 GROUNDWATER EXCEEDENCES

PROJECT:

DATE:

FIGURE 4

Yeoman Creek Landfill Site
Waukegan, Illinois
STL Lot# A5G070131

STL-North Canton, in North Canton, Ohio performed the requested sample analysis. This data validation review addresses all samples in this batch for holding time, sample temperature, sample receipt, and chain-of-custody issues. This data validation review addresses all QC related to sample MW-210 and MW-216only. Other samples in this set include MW-C, MW-217, MW-214, MW-2-2, MW2-1, MW-210, MW-209, MW-213, trip blank E101, and trip blank K135.

Sample MW-210 and MW-216 were analyzed for the following compounds – VOCs by SW846-8260, metals by SW846-6010B and mercury by 7470, chloride (MCAWW 330), sulfate (MCAWW 300), nitrate as N (MCSWW 300), and total cyanide (SW846 9012A).

Holding Times and Sample Receipt
Samples were received at the laboratory at 3 and 2.9 degrees C on 7/6/05. No problems were noted by the laboratory upon sample receipt relating to sample MW-210 or MW216. The only problem noted was that the trip blank was not marked on the chain of custody form. The sampler did not mark the trip blank in the chain-of-custody form. However, a trip blank was supplied by the laboratory and accompanied the sample shipment. The lab logged in the trip blank and provided analytical results. The results are valid; however, chain-of-custody was not maintained for these samples throughout the shipping process. No other sample containers or sample paperwork issues were noted. All samples in this batch were digested and/or analyzed within the respective method holding times. No qualifications are required.

Data was reviewed in accordance with the National Functional Guidelines for Organic and Inorganic Data Review, the applicable analytical methods, and professional judgment.

VOCs
1. Method Blank
One method blanks was associated with the samples (HFHV81AA), all method blank results were non-detect.

2. Surrogates
Four surrogates were associated with each sample. All surrogates recoveries were within required control limits.

3. Laboratory Control Sample
One laboratory control sample was associated with this sample set. All LCS and LCSD recoveries were within laboratory required control limits.

4. Matrix Spike
All MS/MSD recoveries were within laboratory required control limits.

5. Internal Standards
All IS recoveries were within required method limits.

Yeoman Creek Landfill Site
Waukegan, Illinois
STL Lot# A5G070131
Cont.

6. Trip Blank
Two trip blanks were associated with this batch. Both trip blank contained toluene at 0.31J and 0.33J. Toluene was not detected in sample MW-210 or MW216. No qualifications are required.

Metals
1. Method/Prep Blank
Boron (0.047) and zinc (0.0096) were detected in the method blank. Boron and zinc were also reported in sample MW-210 at low concentrations. The result for boron and zinc in sample MW-210 should be flagged as U, nondetect.

2. Initial and Continuing Calibration Verification Standard
All ICVs and CCVs were met.

3. Interference Check Standard
All ICS recoveries were met.

4. Matrix Spike / Matrix Spike Duplicate
A MS/MSD was associated with this sample set. All recoveries and RPDs were acceptable.

5. Laboratory Control Sample
One LCS was associated with this batch. All recoveries were within required control limits.

6. Serial Dilutions
All serial dilutions were within required recovery limits.

Water Quality Parameters (sulfide, chloride, total cyanide, nitrate as N, sulfate)
1. Method Blanks
All method blanks were non-detect.

2. Laboratory Control Sample
All LCS recoveries were within required control limits.

3. Matrix Spike
MS/MSD analysis was performed on chloride, sulfate, chloride, nitrate as N, and total cyanide. All recoveries were within method required control limits.
Data was reviewed in accordance with the National Functional Guidelines for Organic and Inorganic Data Review, the applicable analytical methods, and professional judgment.

Data reviewed on 8/5/05

Yeoman Creek Landfill Site
Waukegan, Illinois
STL Lot# A5F300251

STL-North Canton, in North Canton, Ohio performed the requested sample analysis. This data validation review addresses all samples in this batch for holding time, sample temperature, sample receipt, and chain-of-custody issues. This data validation review addresses all QC related to sample MW-A and MW-103 only. Other samples in this set include MW-301, MW-13, MW-106, MW-105, MW-105DP, MW-G, MW-101, MW-112, MW-110, MW-109, MW-108, MW-103, MW-104, MW-402, MW-401, and MW-102.

Sample MW-A and MW-103 were analyzed for the following compounds – VOCs by SW846-8260, metals by SW846-6010B and mercury by 7470, chloride (MCAWW 330), sulfate (MCAWW 300), nitrate as N (MCSWW 300), and total cyanide (SW846 9012A).

Holding Times and Sample Receipt
Samples were received at the laboratory at 2.6 and 5.9 degrees C on 6/30/05. No problems were noted by the laboratory upon sample receipt relating to sample MW-A and one issue was noted for MW103 and is discussed below. Several problems were noted with the other samples: sample MW-401 (18:22) was not on the COC; sample MW-44 (18:30) was logged on the COC but not received with the sample shipment; MW-105DP was missing one sample container; and the following samples required further preservation (nitric acid) to meet required pH levels – MW-110, MW-103, MW-104, MW-105, and MW-401. It is acceptable per the method to add preservatives at the laboratory prior to analysis. No other sample containers or sample paperwork issues were noted. All samples in this batch were digested and/or analyzed within the respective method holding times. No qualifications are required.

Data was reviewed in accordance with the National Functional Guidelines for Organic and Inorganic Data Review, the applicable analytical methods, and professional judgment.

VOCs
1. Method Blank
Three method blanks were associated with the samples (HE32F1AA, HE8971AA, and HE9CW1AA), all method blank results were non-detect.

2. Surrogates
Four surrogates were associated with each sample. All surrogates recoveries were within required control limits.

3. Laboratory Control Sample
Three laboratory control samples were associated with this sample set. All LCS and LCSD recoveries were within laboratory required control limits.

4. Matrix Spike
Three sets of MS/MSD analysis were reported with this sample set. All MS/MSD recoveries were within laboratory required control limits.

Yeoman Creek Landfill Site
Waukegan, Illinois
STL Lot# A5F300251
Cont.

5. Internal Standards
All IS recoveries were within required method limits.

6. Trip Blank
A trip blank was not logged on either COC associated with this sample set. The laboratory does not note a trip blank being received with either shipment and no trip blank results are reported. No qualification occurred due to a missing trip blank.

Metals
1. Method/Prep Blank
Calcium (0.29), manganese (0.00030), potassium (0.16), selenium (0.0026) and zinc (0.0091) were detected in the method blank. Several of these compounds were detected in sample MW-A or MW-103. However, the sample detections were greater than the criteria for assessing blank contamination. Therefore, all results for these samples are valid and usable as reported by the laboratory.

2. Initial and Continuing Calibration Verification Standard
All ICVs and CCVs were met.

3. Interference Check Standard
All ICS recoveries were met.

4. Matrix Spike / Matrix Spike Duplicate
A MS/MSD was associated with this sample set. All recoveries and RPDs were within the 75 to 125 control limits.

5. Laboratory Control Sample
One LCS was associated with this batch. All recoveries were within required control limits.

6. Serial Dilutions
All serial dilutions were within required recovery limits.

Water Quality Parameters (sulfide, chloride, total cyanide, nitrate as N, sulfate)
1. Method Blanks
All method blanks results were non-detect that are associated with MW-A and MW-103.

2. Laboratory Control Sample
All LCS recoveries were within required control limits.

3. Matrix Spike
MS/MSD analysis was performed on chloride, sulfate, chloride, nitrate as N, and total cyanide. All recoveries were within method required control limits.

Data reviewed on 8/7/05

Yeoman Creek Landfill Site
Waukegan, Illinois
STL Lot# A5G060137

STL-North Canton, in North Canton, Ohio performed the requested sample analysis. This data validation review addresses all samples in this batch for holding time, sample temperature, sample receipt, and chain-of-custody issues. This data validation review addresses all QC related to sample MW-E2 only. Other samples in this batch include MW-211, MW-F, MW-D, MW-403, MW-405, MW-212, MW-E1, MW-406, and trip.

Sample E2 was analyzed for the following compounds – VOCs by SW846-8260, metals by SW846-6010B and mercury by 7470, chloride (MCAWW 330), sulfate (MCAWW 300), nitrate as N (MCSWW 300), and total cyanide (SW846 9012A).

Holding Times and Sample Receipt
Samples were received at the laboratory at 1.3 degrees C on 7/6/05. No problems were noted by the laboratory upon sample receipt relating to sample MW-E2. The only problem noted was that the trip blank was not marked on the chain of custody form. No other sample containers or sample paperwork issues were noted. All samples in this batch were digested and/or analyzed within the respective method holding times. No qualifications are required.

Data was reviewed in accordance with the National Functional Guidelines for Organic and Inorganic Data Review, the applicable analytical methods, and professional judgment.

VOCs
1. Method Blank
Two method blanks were associated with the samples (HFC531AA and HFF9H1AA), all method blank results were non-detect.

2. Surrogates
Four surrogates were associated with each sample. All surrogates recoveries were within required control limits.

3. Laboratory Control Sample
Two laboratory control samples were associated with this sample set. All LCS and LCSD recoveries were within laboratory required control limits.

4. Matrix Spike
All MS/MSD recoveries were within laboratory required control limits.

5. Internal standards
All IS recoveries were within required holding times.

6. Trip blank
The trip blank contained toluene. Toluene was not detected in the sample of interest MW-E2. The data reviews were provided for the specific samples designated in the report and in the reviews only.

7. Calibration
No calibration issues were noted that affected sample MW-E2.

Metals
1. Method/Prep Blank
Calcium, manganese, potassium, and zinc were detected in the method blank. Calcium, potassium, and manganese were detected in the associated sample. The calcium and potassium samples are not affected and do not required qualification. The manganese result for MW-E2 should be flagged U, indicating a non-detect value.

2. Initial and Continuing Calibration Verification Standard
All ICVs and CCVs were met.

3. Interference Check Standard
All ICS recoveries were met.

4. Matrix Spike / Matrix Spike Duplicate
Sample 1 was analyzed as the MS/MSD. All recoveries were acceptable. However, iron results were not calculated due to the sample amount being greater than four times the spike amount.

5. Laboratory Control Sample
One LCS was associated with this batch. All recoveries were within required control limits.

6. Serial Dilutions
All serial dilutions were within required recovery limits.

Water Quality Parameters (sulfide, chloride, total cyanide, nitrate as N, sulfate)
1. Method Blanks
All method blanks were non-detect.

2. Laboratory Control Sample
All LCS recoveries were within required control limits.

3. Matrix Spike
MS/MSD analysis was performed on chloride, sulfate, chloride, nitrate as N, and total cyanide. All recoveries were within method required control limits.
Data was reviewed in accordance with the National Functional Guidelines for Organic and Inorganic Data Review, the applicable analytical methods, and professional judgment.

Data reviewed on 8/5/05

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SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

YEOMAN CREEK LANDFILL

Lot #: A5G070131

Carlos Serna

Matrix Environmental, Inc.
1880 West Winchester Road
Suite 111
Libertyville, IL 60048

SEVERN TRENT LABORATORIES, INC.

David S. Heakin
Project Manager

July 27, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A5G070131

The following report contains the analytical results for nine water samples and two quality control samples submitted to STL North Canton by Matrix Environmental, Inc. from the Yeoman Creek Landfill Site. The samples were received July 07, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Carlos Serna on July 22, 2005. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, David S. Heakin, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 3.0 and 2.9°C.

See STL's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

No ICP Trace Form IX provided for batch 5193022. The serial dilution was performed on a different sample from the same QC batch.

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) had elevated reporting limits due to matrix interferences. Refer to the sample report pages for the affected analyte(s) flagged with "G".

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5G070131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-C 07/06/05 08:05 001				
Barium	0.053 B	0.20	mg/L	SW846 6010B
Boron	0.27 J	0.20	mg/L	SW846 6010B
Calcium	69.9	5.0	mg/L	SW846 6010B
Iron	0.33	0.10	mg/L	SW846 6010B
Potassium	2.4 B	5.0	mg/L	SW846 6010B
Magnesium	73.9	5.0	mg/L	SW846 6010B
Manganese	0.012 B	0.015	mg/L	SW846 6010B
Sodium	29.0	5.0	mg/L	SW846 6010B
Chloride	17.6	1.0	mg/L	MCAWW 300.0A
Sulfate	98.6	1.0	mg/L	MCAWW 300.0A
Acid-soluble sulfide	0.42 B	0.50	mg/L	SW846 9030B/9034
MW-217 07/06/05 13:40 002				
Aluminum	0.32	0.20	mg/L	SW846 6010B
Barium	0.062 B	0.20	mg/L	SW846 6010B
Boron	0.084 B,J	0.20	mg/L	SW846 6010B
Calcium	92.5	5.0	mg/L	SW846 6010B
Copper	0.0054 B	0.025	mg/L	SW846 6010B
Iron	6.2	0.10	mg/L	SW846 6010B
Potassium	2.3 B	5.0	mg/L	SW846 6010B
Magnesium	37.1	5.0	mg/L	SW846 6010B
Manganese	0.41	0.015	mg/L	SW846 6010B
Sodium	131	5.0	mg/L	SW846 6010B
Nickel	0.0034 B	0.040	mg/L	SW846 6010B
Zinc	0.0082	0.020	mg/L	SW846 6010B
	Qualifiers: B,J			
Chloride	74.7	1.0	mg/L	MCAWW 300.0A
Sulfate	76.2	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.41	0.10	mg/L	MCAWW 300.0A
Acid-soluble sulfide	1.9	0.50	mg/L	SW846 9030B/9034
MW-214 07/06/05 16:58 003				
Selenium	0.0026 B	0.0050	mg/L	SW846 6010B
Barium	0.31	0.20	mg/L	SW846 6010B
Boron	0.097 B,J	0.20	mg/L	SW846 6010B
Calcium	168	5.0	mg/L	SW846 6010B
Iron	3.4	0.10	mg/L	SW846 6010B
Potassium	4.9 B	5.0	mg/L	SW846 6010B
Magnesium	79.7	5.0	mg/L	SW846 6010B
Manganese	0.19	0.015	mg/L	SW846 6010B
Sodium	93.2	5.0	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5G070131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-214 07/06/05 16:58 003				
Chloride	221	5.0	mg/L	MCAWW 300.0A
Sulfate	26.8	1.0	mg/L	MCAWW 300.0A
Acid-soluble sulfide	0.74	0.50	mg/L	SW846 9030B/9034
MW-216 07/06/05 15:20 004				
Arsenic	0.0098 B	0.010	mg/L	SW846 6010B
Cobalt	0.0017 B	0.0070	mg/L	SW846 6010B
Barium	0.27	0.20	mg/L	SW846 6010B
Boron	0.20 J	0.20	mg/L	SW846 6010B
Calcium	198	5.0	mg/L	SW846 6010B
Iron	19.0	0.10	mg/L	SW846 6010B
Potassium	10.9	5.0	mg/L	SW846 6010B
Magnesium	79.5	5.0	mg/L	SW846 6010B
Manganese	0.86	0.015	mg/L	SW846 6010B
Sodium	70.3	5.0	mg/L	SW846 6010B
Nickel	0.0019 B	0.040	mg/L	SW846 6010B
Benzene	0.26 J	1.0	ug/L	SW846 8260B
Vinyl chloride	2.1	1.0	ug/L	SW846 8260B
Chloride	139	1.0	mg/L	MCAWW 300.0A
Sulfate	121	1.0	mg/L	MCAWW 300.0A
Acid-soluble sulfide	0.74	0.50	mg/L	SW846 9030B/9034
MW-202 07/06/05 11:10 005				
Cobalt	0.0044 B	0.0070	mg/L	SW846 6010B
Chromium	0.0058	0.0050	mg/L	SW846 6010B
Barium	0.73	0.20	mg/L	SW846 6010B
Boron	0.46 J	0.20	mg/L	SW846 6010B
Calcium	409	5.0	mg/L	SW846 6010B
Iron	7.8	0.10	mg/L	SW846 6010B
Potassium	34.9	5.0	mg/L	SW846 6010B
Magnesium	270	5.0	mg/L	SW846 6010B
Manganese	0.46	0.015	mg/L	SW846 6010B
Sodium	638	10.0	mg/L	SW846 6010B
Nickel	0.0063 B	0.040	mg/L	SW846 6010B
Zinc	0.012 B,J	0.020	mg/L	SW846 6010B
Chloride	1220	20.0	mg/L	MCAWW 300.0A
Sulfate	3.6	1.0	mg/L	MCAWW 300.0A
Cyanide, Total	0.0098 B	0.010	mg/L	SW846 9012A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5G070131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-201 07/06/05 10:01 006				
Cobalt	0.0063 B	0.0070	mg/L	SW846 6010B
Chromium	0.017	0.0050	mg/L	SW846 6010B
Aluminum	0.26	0.20	mg/L	SW846 6010B
Barium	0.29	0.20	mg/L	SW846 6010B
Boron	0.19 B,J	0.20	mg/L	SW846 6010B
Calcium	147	5.0	mg/L	SW846 6010B
Iron	3.8	0.10	mg/L	SW846 6010B
Potassium	5.7	5.0	mg/L	SW846 6010B
Magnesium	63.1	5.0	mg/L	SW846 6010B
Manganese	0.20	0.015	mg/L	SW846 6010B
Sodium	223	5.0	mg/L	SW846 6010B
Nickel	0.34	0.040	mg/L	SW846 6010B
Chloride	414	5.0	mg/L	MCAWW 300.0A
Sulfate	120	1.0	mg/L	MCAWW 300.0A
Acid-soluble sulfide	1.7	0.50	mg/L	SW846 9030B/9034
MW-210 07/06/05 12:50 007				
Chromium	0.0017 B	0.0050	mg/L	SW846 6010B
Aluminum	0.26	0.20	mg/L	SW846 6010B
Barium	0.10 B	0.20	mg/L	SW846 6010B
Boron	0.10 B,J	0.20	mg/L	SW846 6010B
Calcium	222	5.0	mg/L	SW846 6010B
Iron	9.5	0.10	mg/L	SW846 6010B
Potassium	5.5	5.0	mg/L	SW846 6010B
Magnesium	103	5.0	mg/L	SW846 6010B
Manganese	0.31	0.015	mg/L	SW846 6010B
Sodium	72.3	5.0	mg/L	SW846 6010B
Nickel	0.0042 B	0.040	mg/L	SW846 6010B
Zinc	0.0083	0.020	mg/L	SW846 6010B
	Qualifiers: B,J			
1,2-Dichloroethene (total)	43	1.7	ug/L	SW846 8260B
Vinyl chloride	36	1.7	ug/L	SW846 8260B
Chloride	198	1.0	mg/L	MCAWW 300.0A
Sulfate	291	5.0	mg/L	MCAWW 300.0A
Acid-soluble sulfide	3.1	0.50	mg/L	SW846 9030B/9034
MW-209 07/06/05 13:30 008				
Selenium	0.0027 B	0.0050	mg/L	SW846 6010B
Barium	0.067 B	0.20	mg/L	SW846 6010B
Boron	0.11 B,J	0.20	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5G070131

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-209 07/06/05 13:30 008				
Calcium	188	5.0	mg/L	SW846 6010B
Iron	3.8	0.10	mg/L	SW846 6010B
Potassium	4.2 B	5.0	mg/L	SW846 6010B
Magnesium	79.9	5.0	mg/L	SW846 6010B
Manganese	0.089	0.015	mg/L	SW846 6010B
Sodium	95.9	5.0	mg/L	SW846 6010B
Chloride	252	5.0	mg/L	MCAWW 300.0A
Sulfate	150	1.0	mg/L	MCAWW 300.0A
Acid-soluble sulfide	0.42 B	0.50	mg/L	SW846 9030B/9034
MW-213 07/06/05 17:35 009				
Barium	0.21	0.20	mg/L	SW846 6010B
Boron	0.44 J	0.20	mg/L	SW846 6010B
Calcium	172	5.0	mg/L	SW846 6010B
Iron	4.4	0.10	mg/L	SW846 6010B
Potassium	8.6	5.0	mg/L	SW846 6010B
Magnesium	62.7	5.0	mg/L	SW846 6010B
Manganese	0.29	0.015	mg/L	SW846 6010B
Sodium	153	5.0	mg/L	SW846 6010B
Chloride	234	5.0	mg/L	MCAWW 300.0A
Sulfate	139	1.0	mg/L	MCAWW 300.0A
Acid-soluble sulfide	1.1	0.50	mg/L	SW846 9030B/9034
TRIP BLANK E101 07/06/05 010				
Toluene	0.31 J	1.0	ug/L	SW846 8260B
TRIP BLANK K135 07/06/05 011				
Toluene	0.33 J	1.0	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5G070131

PARAMETER	ANALYTICAL METHOD
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A5G070131

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HE1DD	001	MW-C	07/06/05	08:05
HE1DG	002	MW-217	07/06/05	13:40
HE1DJ	003	MW-214	07/06/05	16:58
HE1DK	004	MW-216	07/06/05	15:20
HE1DL	005	MW-202	07/06/05	11:10
HE1DN	006	MW-201	07/06/05	10:01
HE1DP	007	MW-210	07/06/05	12:50
HE1DQ	008	MW-209	07/06/05	13:30
HE1DR	009	MW-213	07/06/05	17:35
HE1DV	010	TRIP BLANK E101	07/06/05	
HE1DW	011	TRIP BLANK K135	07/06/05	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

17

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
MATRIX ENVIRONMENTAL	CARLOS SERNA	7-6-05	232116
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1880 WINCHESTER SUITE 111	847.367.6835		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
LIBERTYVILLE / IL / 60048	JOHN SEYMOUR		
Project Name and Location (State)	**Carrier/Waybill Number**		
YEOMAN CREEK LANDFILL	FED EX		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC	METALS	INDICATORS	CYANIDE	Special Instructions/ Conditions of Receipt
MW-C	7-6-05	8:05		X									X	X	X	X	
MW-217	7-6-05	13:40															
MW-214		16:58															
MW-216		15:20															
MW-202		11:10															
MW-201		10:01															
MW-210		12:50															
MW-209		1330															
MW-213		1735															

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	7-6-05	18:30	1. Received By	7/7/05	9:10
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

STL North Canton

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 1356603

Lot #: A5G070131

Case Number/SDG:

Storage Location: C94 S21 MS/MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HE1DD	MITEVD	7/07/05	Yes		Storage	
HE1DG	MITEVD	7/07/05	Yes		Storage	
HE1DJ	MITEVD	7/07/05	Yes		Storage	
HE1DK	MITEVD	7/07/05	Yes		Storage	
HE1DL	MITEVD	7/07/05	Yes		Storage	
HE1DN	MITEVD	7/07/05	Yes		Storage	
HE1DP	MITEVD	7/07/05	Yes		Storage	
HE1DQ	MITEVD	7/07/05	Yes		Storage	
HE1DR	MITEVD	7/07/05	Yes		Storage	
HE1DV	MITEVD	7/07/05	Yes		Storage	
HE1DW	MITEVD	7/07/05	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A5607013 1
North Canton Facility

Client: Matrix Environmental Project: Yeoman Creek LF. Quote#:
Cooler Received on: 7/07/07 Opened on: 7/07/07 by: Amended dup (Signature)

Fedx [✓] Client Drop Off [ ] UPS [ ] DHL [ ] FAS [ ] Other:
STL Cooler No#_____ Foam Box [ ] Client Cooler [ ] Other (SEE BACK)

1. Were custody seals on the outside of the cooler? Yes [ ] No [✓] Intact? Yes [ ] No [ ] NA [✓]
   If YES, Quantity_____
   Were the custody seals signed and dated? Yes [ ] No [ ] NA [✓]
2. Shipper's packing slip attached to this form? Yes [✓] No [ ] NA [ ]
3. Did custody papers accompany the samples? Yes [✓] No [ ] Relinquished by client? Yes [✓] No [ ]
4. Did you sign the custody papers in the appropriate place? Yes [✓] No [ ]
5. Packing material used: Bubble Wrap [✓] Foam [ ] None [ ] Other :
6. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial [ ] Coolant & Sample [ ] Against Bottles [ ] IR [✓] ICE/$H_2$0 Slurry [ ]
COOLANT: Wet Ice [✓] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]

7. Did all bottles arrive in good condition (Unbroken)? Yes [✓] No [ ]
8. Could all bottle labels and/or tags be reconciled with the COC? Yes [✓] No [ ]
9. Were samples at the correct pH? (record below/on back) Yes [✓] No [ ] NA [ ]
10. Were correct bottles used for the tests indicated? Yes [✓] No [ ]
11. Were air bubbles >6 mm in any VOA vials? Yes [ ] No [✓] NA [ ]
12. Sufficient quantity received to perform indicated analyses? Yes [✓] No [ ]

Contacted PM DSH Date: 7/7 by: DM via Voice Mail [ ] Verbal [✓] Other [ ]
Concerning: #1

√	

1. CHAIN OF CUSTODY

The following discrepancies occurred:
✓ Will split 1X250ml from unpreserved 500ml bottle for Sulfides test per DSH.
Rec'd 4X40 Trip Blanks not on COC. Will log for 8260B VOC. Will log a 2 separate samples using cooler

2. SAMPLE CONDITION

Sample(s)_____ were received after the recommended holding time had expired.
Sample(s)_____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s)_____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 051105-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -041305 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
Sample(s)_____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

AS ID per DSH.

Client ID	pH	Date	Initials
MW-5	<2 7 9 7 12	7/07/05	AM
MW-217	<2 7 9 7 12		
MW-214	<2 7 9 7 12		
MW-216	<2 7 9 7 12		
MW-202	<2 7 9 7 12		

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
MW-201	2 7 9 7/2	7/7/05	AP
MW-210	2 7 9 7/2		
MW-209	2 7 9 7/2		
MW-213	2 7 9 7/2		

Cooler	Temp	Method	Coolant
E101	3.0	IR	Wet Ice
K135	2.9		

Discrepancies Cont.

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G070131

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW-C	84	85	87	80	00
02	MW-217	83	83	89	79	00
03	MW-214	93	87	89	81	00
04	MW-216	85	85	88	84	00
05	MW-202	94	88	87	79	00
06	MW-201	87	89	89	82	00
07	MW-210	89	86	88	82	00
08	MW-209	90	86	91	83	00
09	MW-213	89	84	91	84	00
10	TRIP BLANK E101	90	89	88	78	00
11	TRIP BLANK K135	84	84	83	76	00
12	INTRA-LAB QC	89	86	99	86	00
13	METHOD BLK. HFHV81AA	91	86	89	83	00
14	LCS HFHV81AC	91	87	93	90	00
15	LAB MS/MSD D	87	92	97	87	00
16	LCSD HFHV81AD	89	85	94	93	00
17	LAB MS/MSD S	87	93	99	90	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G140000 WO #: HFHV81AC
BATCH: 5195455

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.6	96	63 - 130	
Trichloroethene	10	10	101	75 - 122	
Benzene	10	9.8	98	80 - 116	
Toluene	10	10	102	74 - 119	
Chlorobenzene	10	9.7	97	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G140000 WO #: HFHV81AD
BATCH: 5195455

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.8	98	63 - 130	
Trichloroethene	10	10	100	75 - 122	
Benzene	10	9.5	95	80 - 116	
Toluene	10	10	101	74 - 119	
Chlorobenzene	10	10	100	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G080163 WO #: HE3VK1AD
BATCH: 5195455

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	120	ND	120	94	62 - 130	
Trichloroethene	120	ND	110	91	62 - 130	
Benzene	120	7.5	120	93	78 - 118	
Toluene	120	ND	130	99	70 - 119	
Chlorobenzene	120	ND	120	93	76 - 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G080163 WO #: HE3VK1AE
BATCH: 5195455

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	120	120	93	0.39	20	62 - 130	
Trichloroethene	120	120	93	2.5	20	62 - 130	
Benzene	120	130	94	0.97	20	78 - 118	
Toluene	120	120	98	1.3	20	70 - 119	
Chlorobenzene	120	110	91	2.7	20	76 - 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: HFHV81AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UX94891.D

Lot Number: A5G070131

Date Analyzed: 07/13/05

Time Analyzed: 19:12

Matrix: WATER

Date Extracted:07/13/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX9

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-C	HE1DD1AA	UX94896.D	07/13/05	21:10
02	MW-217	HE1DG1AL	UX94897.D	07/13/05	21:34
03	MW-214	HE1DJ1AL	UX94898.D	07/13/05	21:57
04	MW-216	HE1DK1AL	UX94899.D	07/13/05	22:21
05	MW-202	HE1DL1AL	UX94900.D	07/13/05	22:45
06	MW-201	HE1DN1AL	UX94901.D	07/13/05	23:09
07	MW-210	HE1DP1AL	UX94892.D	07/13/05	19:36
08	MW-209	HE1DQ1AL	UX94902.D	07/13/05	23:32
09	MW-213	HE1DR1AL	UX94903.D	07/13/05	23:56
10	TRIP BLANK E101	HE1DV1AA	UX94904.D	07/14/05	00:19
11	TRIP BLANK K135	HE1DW1AL	UX94905.D	07/14/05	00:43
12	INTRA-LAB QC	HE3VK1AA	UX94911.D	07/14/05	03:04
13	LAB MS/MSD	HE3VK1AD S	UX94912.D	07/14/05	03:28
14	LAB MS/MSD	HE3VK1AE D	UX94913.D	07/14/05	03:51
15	CHECK SAMPLE	HFHV81AC C	UX94889.D	07/13/05	18:25
16	DUPLICATE CHECK	HFHV81AD L	UX94890.D	07/13/05	18:49
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G070131

Lab File ID: BFB269 BFB Injection Date: 06/30/05

Instrument ID: A3UX9 BFB Injection Time: 1538

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	30.6
75	30.0 - 60.0% of mass 95	43.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	73.2
175	5.0 - 9.0% of mass 174	6.0 (8.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	70.3 (96.1)1
177	5.0 - 9.0% of mass 176	6.1 (8.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	250NG-IC	UX94645	06/30/05	1824
02	VSTD020	100NG-IC	UX94646	06/30/05	1848
03	VSTD010	50NG-IC	UX94647	06/30/05	1912
04	VSTD005	25NG-IC	UX94648	06/30/05	1936
05	VSTD001	5NG-IC	UX94649	06/30/05	1959
06	VSTD0.5	2.5NG-IC	UX94650	06/30/05	2023
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G070131

Lab File ID: BFB278 BFB Injection Date: 07/13/05

Instrument ID: A3UX9 BFB Injection Time: 1644

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	28.0
75	30.0 - 60.0% of mass 95	43.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	6.7 (8.7)1
176	Greater than 95.0%, but less than 101.0% of mass 174	75.2 (98.3)1
177	5.0 - 9.0% of mass 176	5.9 (7.9)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UX94888	07/13/05	1802
02	HFHV8-CHK	HFHV81AC	UX94889	07/13/05	1825
03	HFHV8-CKDUP	HFHV81AD	UX94890	07/13/05	1849
04	HFHV8-BLK	HFHV81AA	UX94891	07/13/05	1912
05	MW-210	HE1DP1AL	UX94892	07/13/05	1936
06	MW-C	HE1DD1AA	UX94896	07/13/05	2110
07	MW-217	HE1DG1AL	UX94897	07/13/05	2134
08	MW-214	HE1DJ1AL	UX94898	07/13/05	2157
09	MW-216	HE1DK1AL	UX94899	07/13/05	2221
10	MW-202	HE1DL1AL	UX94900	07/13/05	2245
11	MW-201	HE1DN1AL	UX94901	07/13/05	2309
12	MW-209	HE1DQ1AL	UX94902	07/13/05	2332
13	MW-213	HE1DR1AL	UX94903	07/13/05	2356
14	TRIP BLANK E	HE1DV1AA	UX94904	07/14/05	0019
15	TRIP BLANK K	HE1DW1AL	UX94905	07/14/05	0043
16					
17					
18					
19					
20					
21					
22					

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G070131

Lab File ID (Standard): UX94888 Date Analyzed: 07/13/05

Instrument ID: A3UX9 Time Analyzed: 1802

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 (DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	464540	7.75	249327	9.99	636913	5.10
	UPPER LIMIT	929080	8.25	498654	10.49	1273826	5.60
	LOWER LIMIT	232270	7.25	124664	9.49	318457	4.60
	EPA SAMPLE NO.						
01	HFHV8-CHK	487638	7.75	236793	9.98	671673	5.10
02	HFHV8-CKDUP	496532	7.75	245348	9.99	691782	5.10
03	HFHV8-BLK	527804	7.75	237166	9.97	698241	5.10
04	MW-210	465317	7.75	215582	9.98	618194	5.10
05	MW-C	438274	7.75	210402	9.98	578051	5.10
06	MW-217	439911	7.75	206180	9.99	595271	5.10
07	MW-214	428339	7.75	210781	9.98	563147	5.10
08	MW-216	439080	7.75	214460	9.98	585475	5.10
09	MW-202	432590	7.75	212385	9.98	572421	5.10
10	MW-201	424947	7.75	208611	9.98	572297	5.10
11	MW-209	419820	7.75	207175	9.98	565923	5.10
12	MW-213	405960	7.75	209567	9.98	563097	5.10
13	TRIP BLANK E	437133	7.75	216642	9.98	578762	5.10
14	TRIP BLANK K	431943	7.75	216148	9.98	574163	5.10
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

SEVERN TRENT STL

SAMPLE DATA

Matrix Environmental, Inc.

Client Sample ID: MW-C

GC/MS Volatiles

Lot-Sample #...: A5G070131-001 **Work Order #...:** HE1DD1AA **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	84	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	87	(76 - 110)
4-Bromofluorobenzene	80	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94896.D
Report Date: 13-Jul-2005 22:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94896.D
Lab Smp Id: HE1DD1AA Client Smp ID: MW-C
Inj Date : 13-JUL-2005 21:10
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DD1AA,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.100	5.098	(1.000)	578051	50.0000	
* 2	Chlorobenzene-d5	117	7.751	7.748	(1.000)	438274	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.975	9.985	(1.000)	210402	50.0000	
$ 4	Dibromofluoromethane	113	4.544	4.542	(0.891)	93215	42.0275	8.406
$ 5	1,2-Dichloroethane-d4	65	4.828	4.826	(0.947)	129115	42.3748	8.475
$ 6	Toluene-d8	98	6.449	6.447	(0.832)	475964	43.4922	8.698
$ 7	Bromofluorobenzene	95	8.851	8.849	(1.142)	172265	40.1385	8.028
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	61	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94896.D
Report Date: 13-Jul-2005 22:36

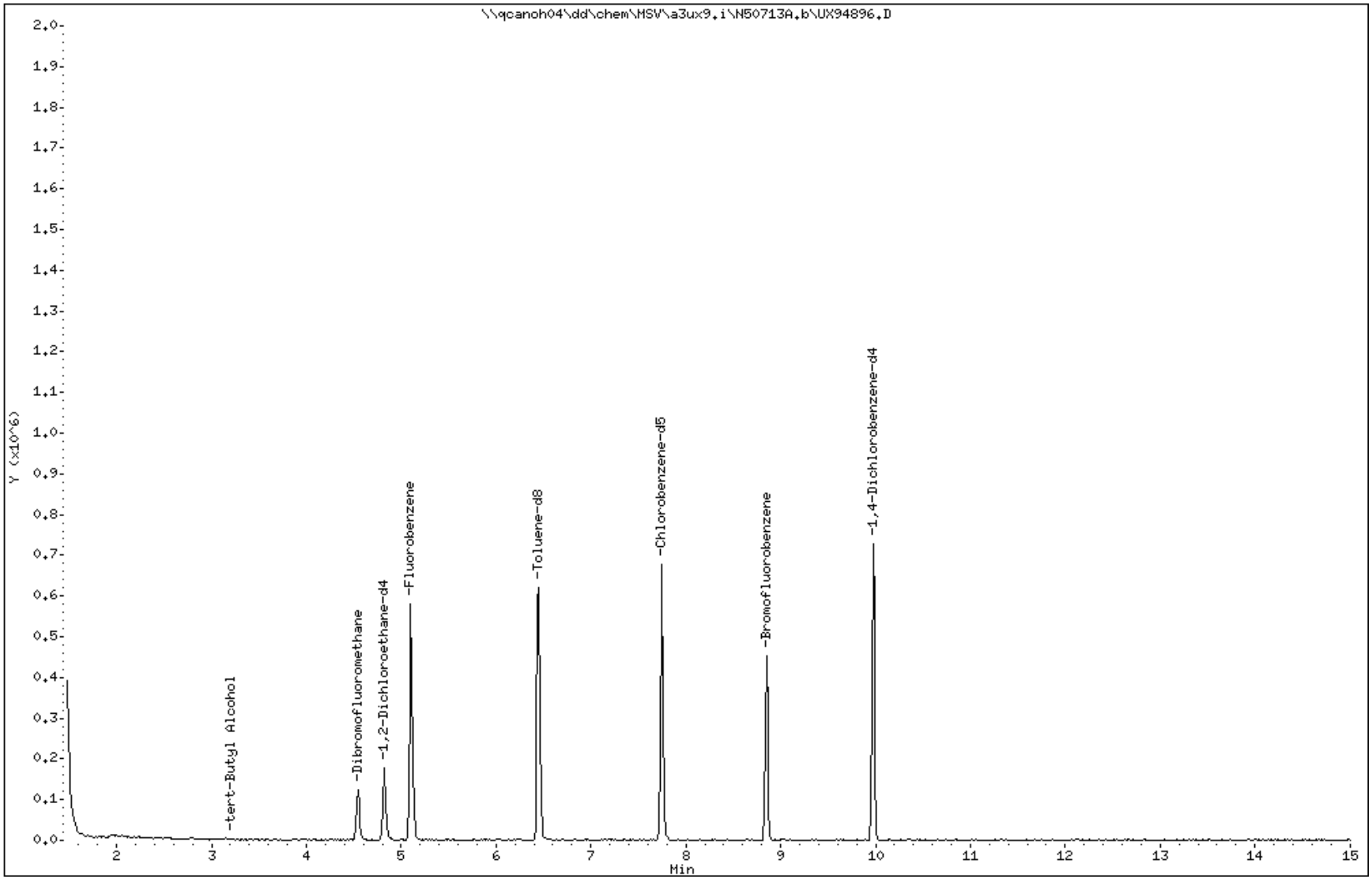
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	3.207	3.216	(0.629)	3649	10.2385	2.048
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94896.D
Report Date: 13-Jul-2005 22:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94896.D
Date : 13-JUL-2005 21:10
Client ID: MW-C
Instrument: a3ux9.i
Sample Info: HE1DD1AA,5ML/5ML
Purge Volume: 5.0
Operator: 1903
Column phase: DB624
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94896.D

Date : 13-JUL-2005 21:10

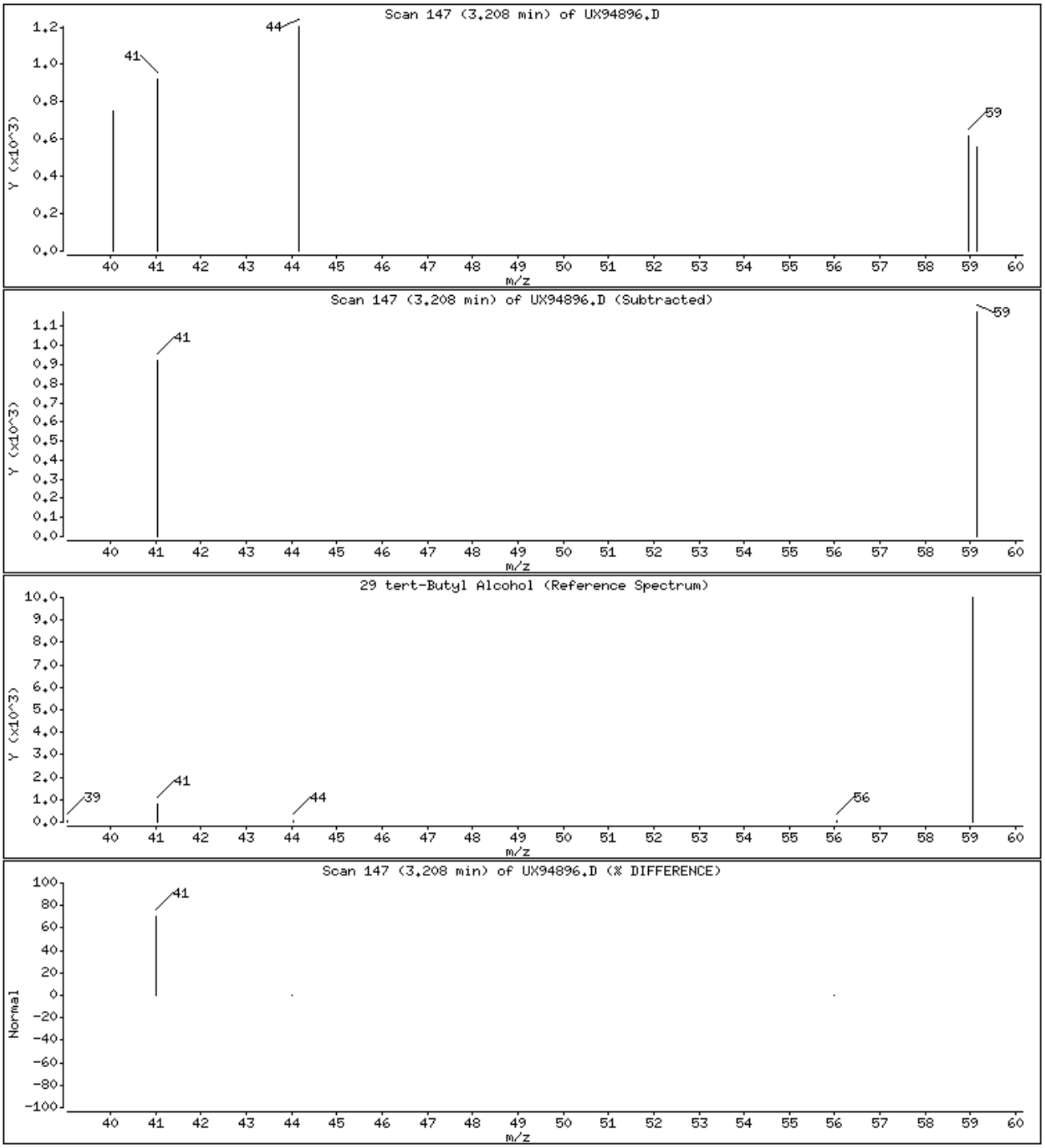
Client ID: MW-C | Instrument: a3ux9.i

Sample Info: HE1DD1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 1903

Column phase: DB624 | Column diameter: 0.18

29 tert-Butyl Alcohol | Concentration: 2.048 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-217

GC/MS Volatiles

Lot-Sample #...: A5G070131-002 **Work Order #...:** HE1DG1AL **Matrix.....:** WG
Date Sampled...: 07/06/05 13:40 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	83	(73 - 122)
1,2-Dichloroethane-d4	83	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94897.D
Report Date: 13-Jul-2005 22:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94897.D
Lab Smp Id: HE1DG1AL Client Smp ID: MW-217
Inj Date : 13-JUL-2005 21:34
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DG1AL,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.098	5.098	(1.000)	595271	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.748	(1.000)	439911	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	206180	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	95294	41.7262	8.345
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	130424	41.5971	8.319
$ 6 Toluene-d8	98	6.447	6.447	(0.832)	487001	44.3166	8.863
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	169499	39.3672	7.873
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.714	1.702	(0.336)	9260	1.45828	0.2916
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	2.057	2.069	(0.404)	3109	2.29692	0.4594
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94897.D
Report Date: 13-Jul-2005 22:36

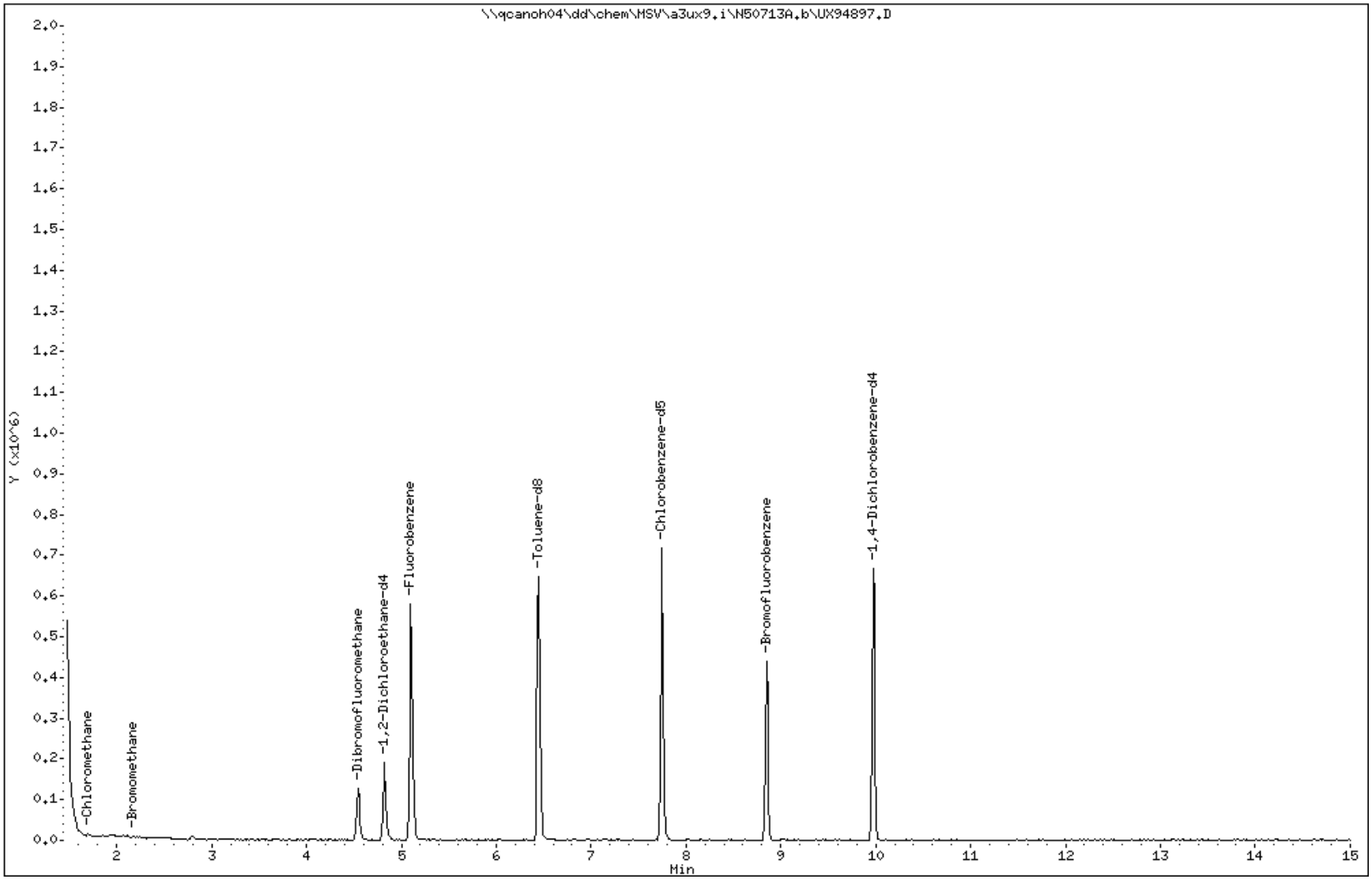
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94897.D
Report Date: 13-Jul-2005 22:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94897.D
Date : 13-JUL-2005 21:34
Client ID: MW-217 Instrument: a3ux9.i
Sample Info: HE1DG1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



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Date : 13-JUL-2005 21:34

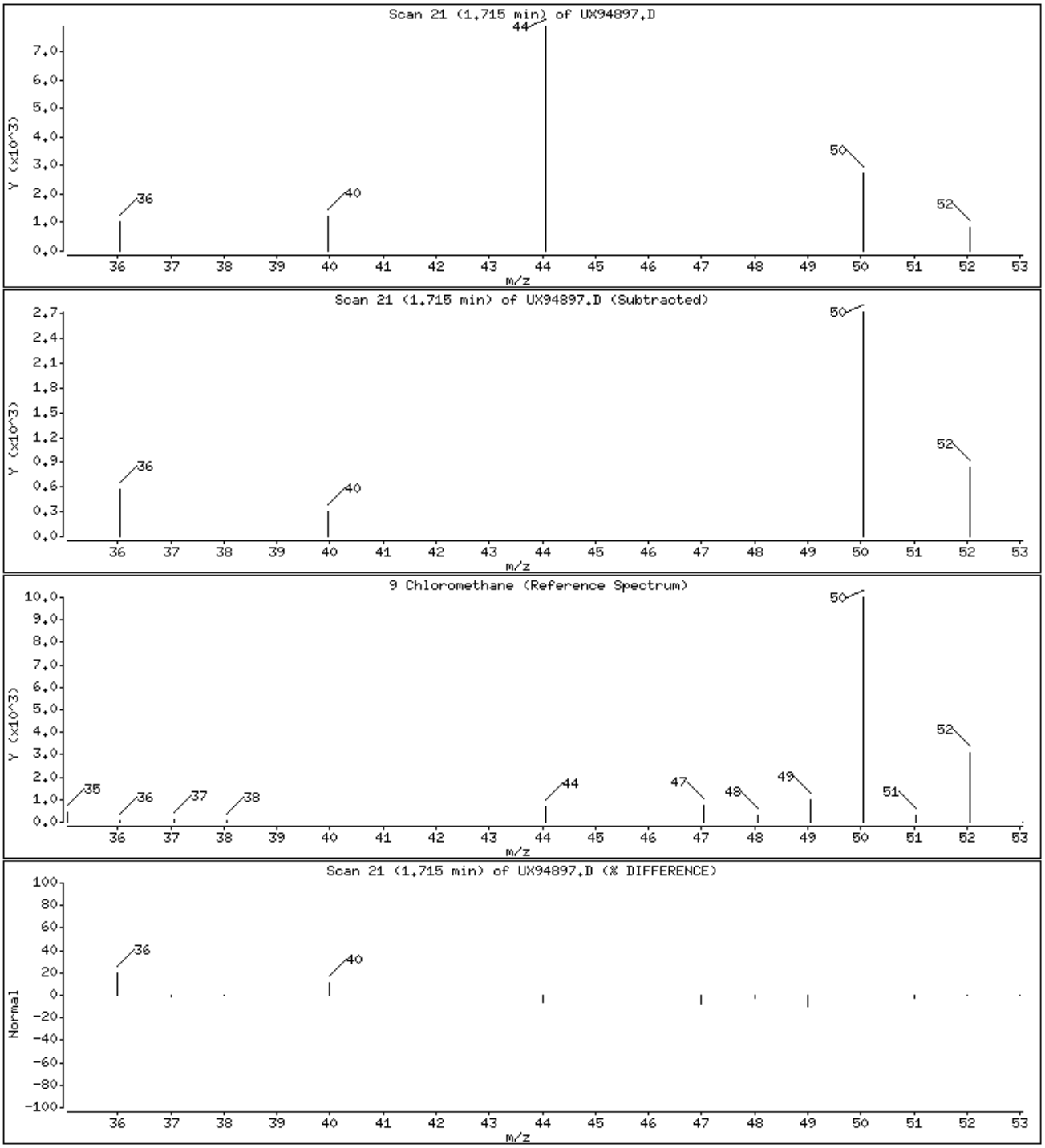
Client ID: MW-217 Instrument: a3ux9.i

Sample Info: HE1DG1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

9 Chloromethane Concentration: 0.2916 ug/L



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Date : 13-JUL-2005 21:34

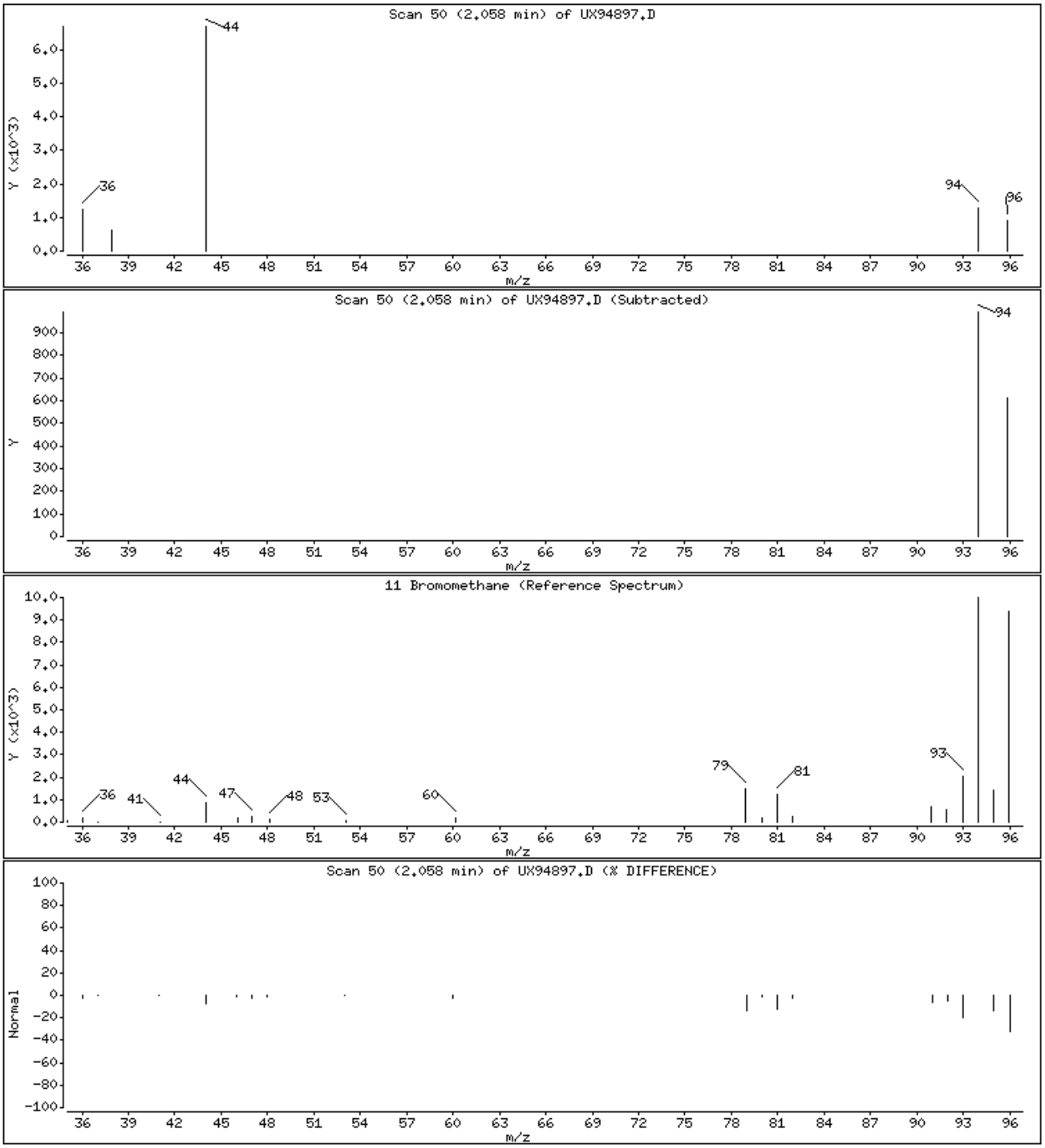
Client ID: MW-217 Instrument: a3ux9.i

Sample Info: HE1DG1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

11 Bromomethane Concentration: 0.4594 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-214

GC/MS Volatiles

Lot-Sample #...: A5G070131-003 **Work Order #...:** HE1DJ1AL **Matrix.....:** WG
Date Sampled...: 07/06/05 16:58 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	81	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94898.D
Report Date: 13-Jul-2005 22:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94898.D
Lab Smp Id: HE1DJ1AL Client Smp ID: MW-214
Inj Date : 13-JUL-2005 21:57
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DJ1AL,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.096	5.098	(1.000)	563147	50.0000	
* 2	Chlorobenzene-d5	117	7.747	7.748	(1.000)	428339	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.983	9.985	(1.000)	210781	50.0000	
$ 4	Dibromofluoromethane	113	4.540	4.542	(0.891)	100243	46.3320	9.266
$ 5	1,2-Dichloroethane-d4	65	4.824	4.826	(0.947)	129520	43.5845	8.717
$ 6	Toluene-d8	98	6.445	6.447	(0.832)	473620	44.2645	8.853
$ 7	Bromofluorobenzene	95	8.847	8.849	(1.142)	170897	40.7280	8.146
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	61	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	2.978	2.956	(0.584)	51887	5.95635	1.191
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94898.D
Report Date: 13-Jul-2005 22:37

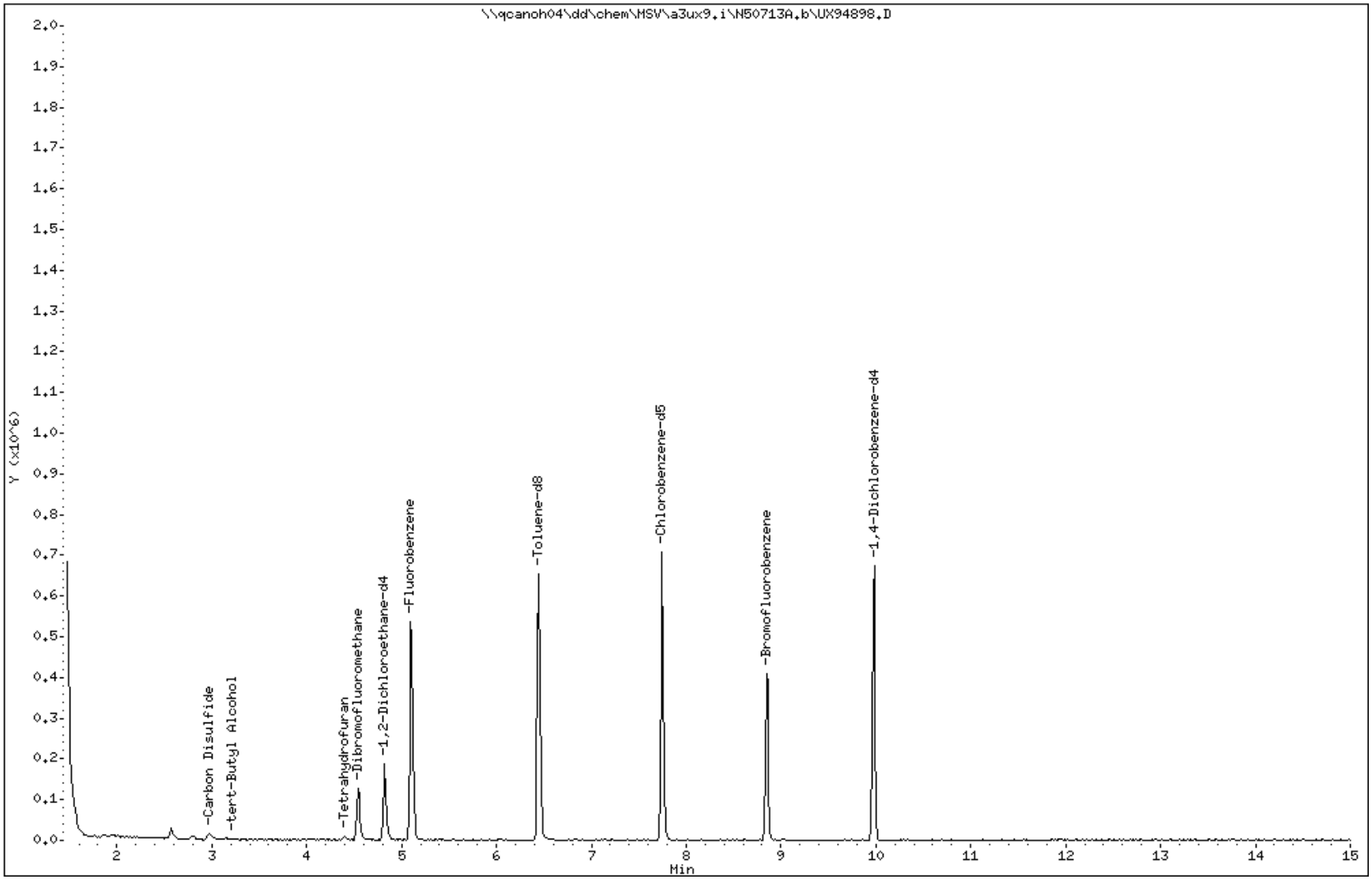
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	3.215	3.216	(0.631)	2647	7.62364	1.525
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.398	4.400	(0.863)	7961	2.13772	0.4275
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94898.D
Report Date: 13-Jul-2005 22:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94898.D
Date : 13-JUL-2005 21:57
Client ID: MW-214 Instrument: a3ux9.i
Sample Info: HE1DJ1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94898.D

Date : 13-JUL-2005 21:57

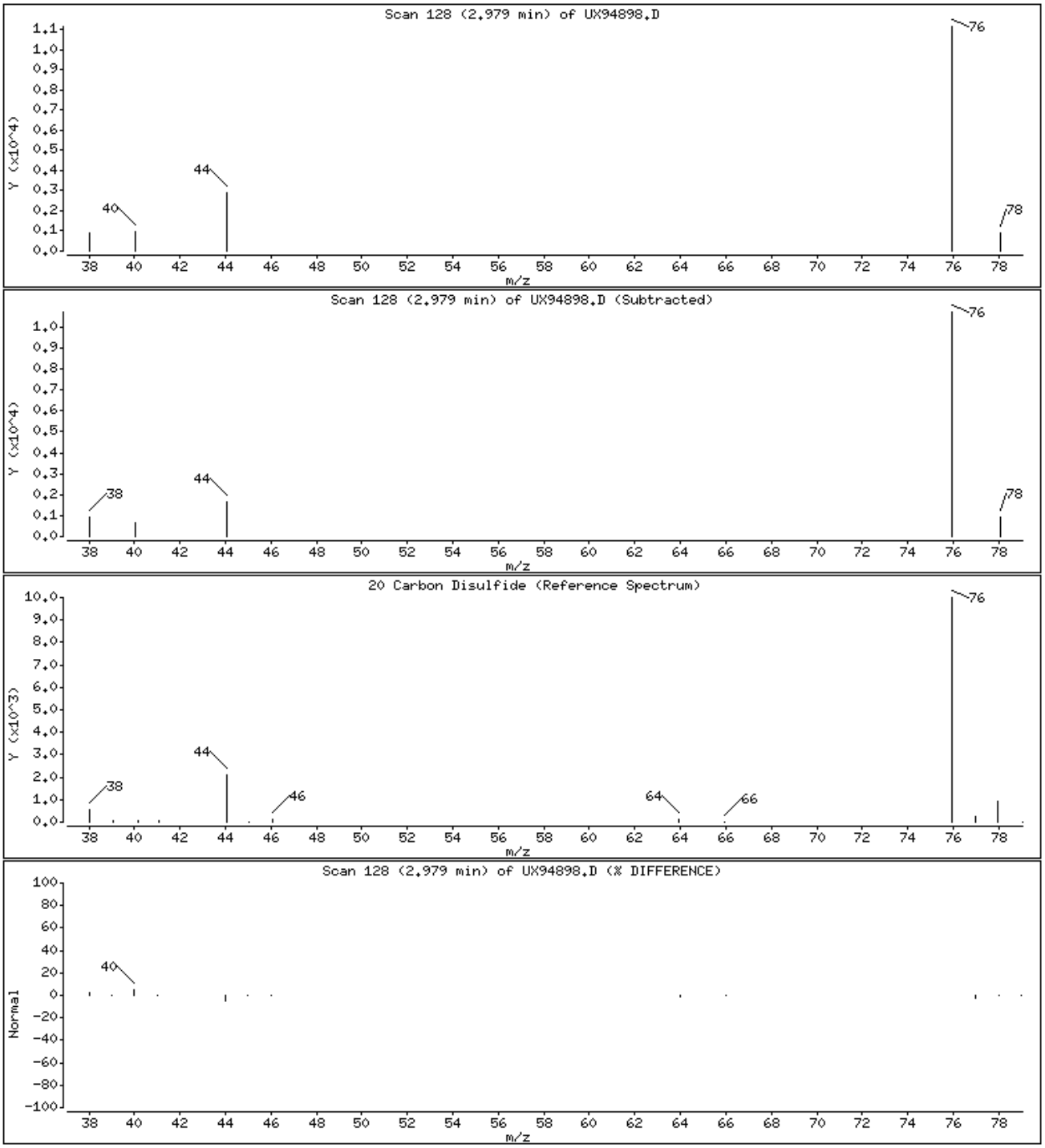
Client ID: MW-214 Instrument: a3ux9.i

Sample Info: HE1DJ1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.191 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94898.D

Date : 13-JUL-2005 21:57

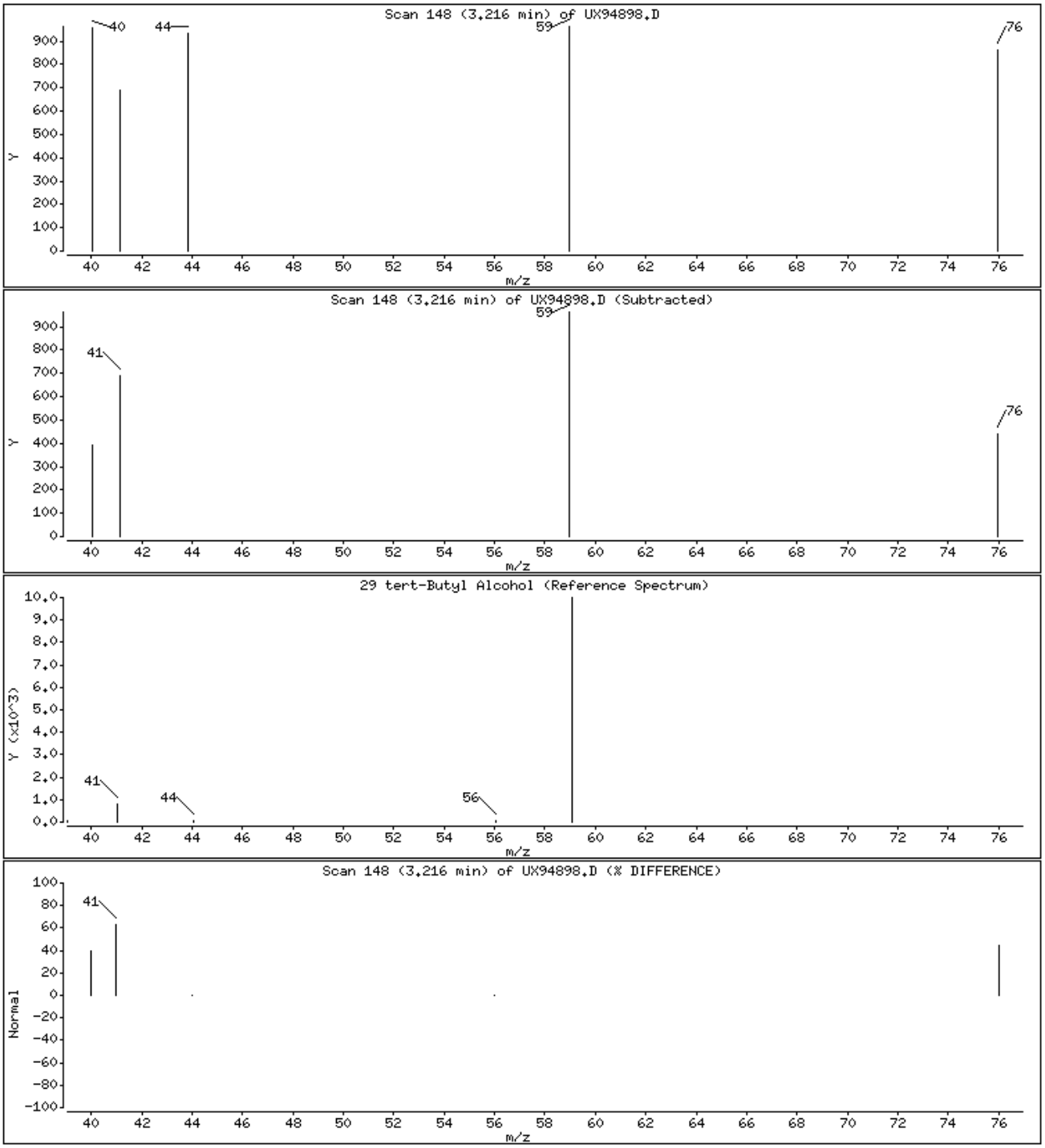
Client ID: MW-214 Instrument: a3ux9.i

Sample Info: HE1DJ1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 1.525 ug/L



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Date : 13-JUL-2005 21:57

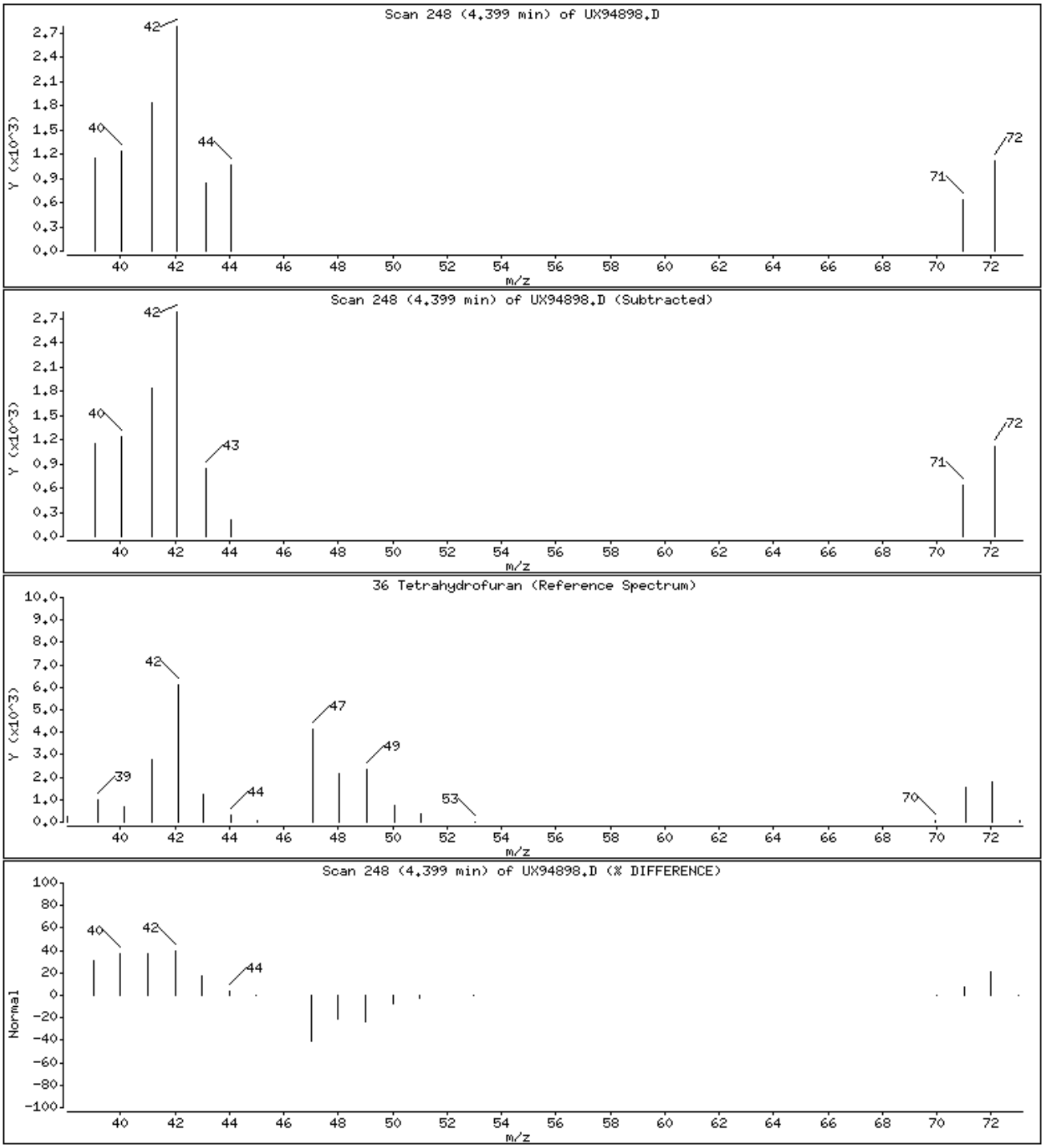
Client ID: MW-214 Instrument: a3ux9.i

Sample Info: HE1DJ1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.4275 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-216

GC/MS Volatiles

Lot-Sample #...: A5G070131-004 **Work Order #...:** HE1DK1AL **Matrix.....:** WG
Date Sampled...: 07/06/05 15:20 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	**0.26 J**	**1.0**	**ug/L**	**0.22**
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	**2.1**	**1.0**	**ug/L**	**0.21**
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	85	(73 - 122)
1,2-Dichloroethane-d4	85	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94899.D
Report Date: 13-Jul-2005 23:13

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94899.D
Lab Smp Id: HE1DK1AL Client Smp ID: MW-216
Inj Date : 13-JUL-2005 22:21
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DK1AL,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.097	5.098	(1.000)	585475	50.0000	
* 2	Chlorobenzene-d5	117	7.747	7.748	(1.000)	439080	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.984	9.985	(1.000)	214460	50.0000	
$ 4	Dibromofluoromethane	113	4.541	4.542	(0.891)	95012	42.2908	8.458
$ 5	1,2-Dichloroethane-d4	65	4.825	4.826	(0.947)	130890	42.4111	8.482
$ 6	Toluene-d8	98	6.446	6.447	(0.832)	483439	44.0809	8.816
$ 7	Bromofluorobenzene	95	8.848	8.849	(1.142)	180127	41.8488	8.370
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	1.784	1.785	(0.350)	41642	10.5848	2.117
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	2.789	2.791	(0.547)	30664	2.02538	0.4051
17	1,1-Dichloroethene	61	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	2.967	2.956	(0.582)	6824	0.75348	0.1507
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94899.D
Report Date: 13-Jul-2005 23:13

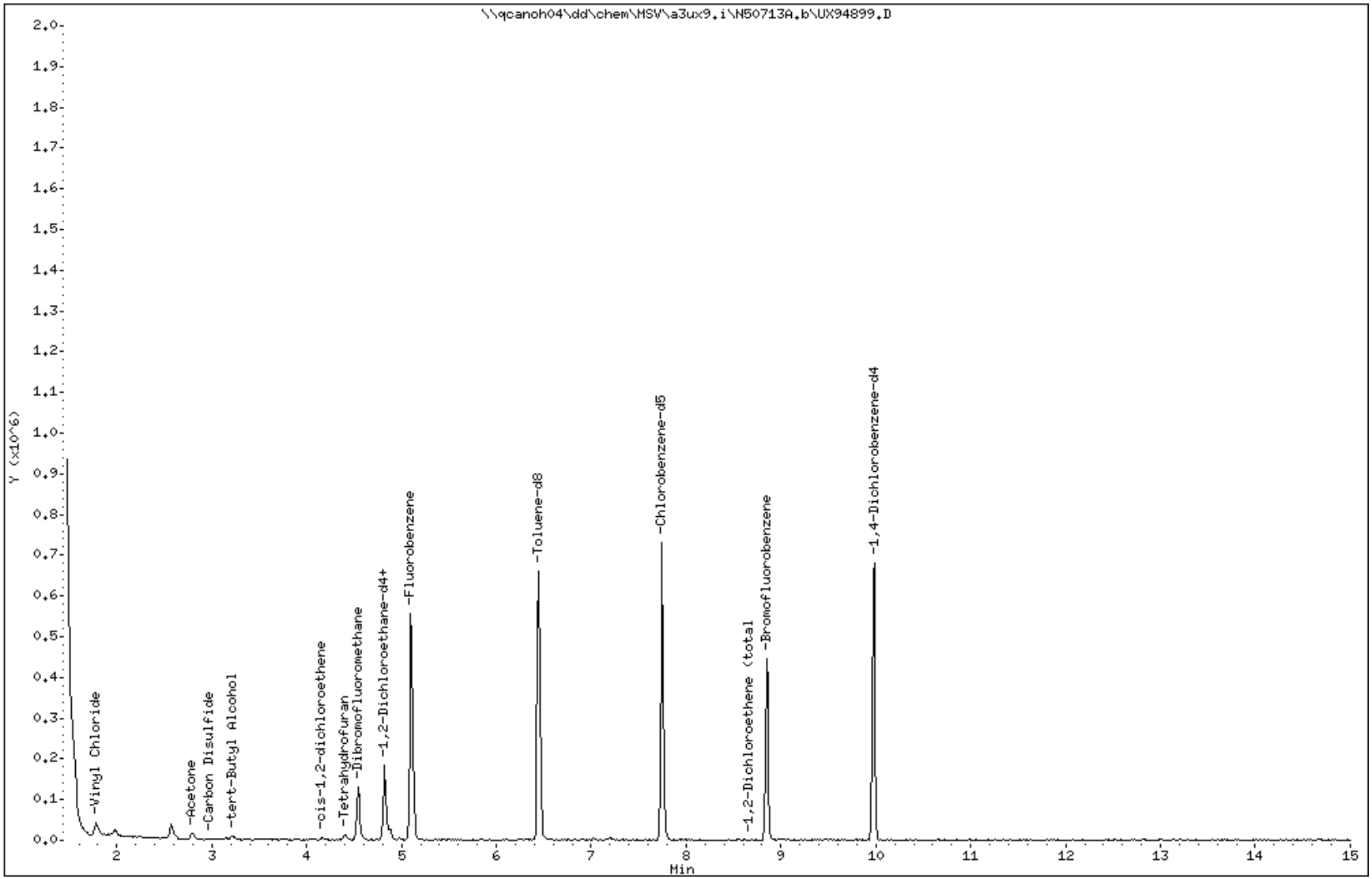
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	3.215	3.216	(0.631)	14090	39.0331	7.807
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61				4405	0.74255	0.1485
	32 cis-1,2-dichloroethene	61	4.162	4.163	(0.817)	4405	0.74255	0.1485
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.399	4.400	(0.863)	10302	3.42548	0.6851
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.884	4.885	(0.958)	18944	1.32092	0.2642
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94899.D
Report Date: 13-Jul-2005 23:13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94899.D
Date : 13-JUL-2005 22:21
Client ID: MW-216 Instrument: a3ux9.i
Sample Info: HE1DK1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



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Date : 13-JUL-2005 22:21

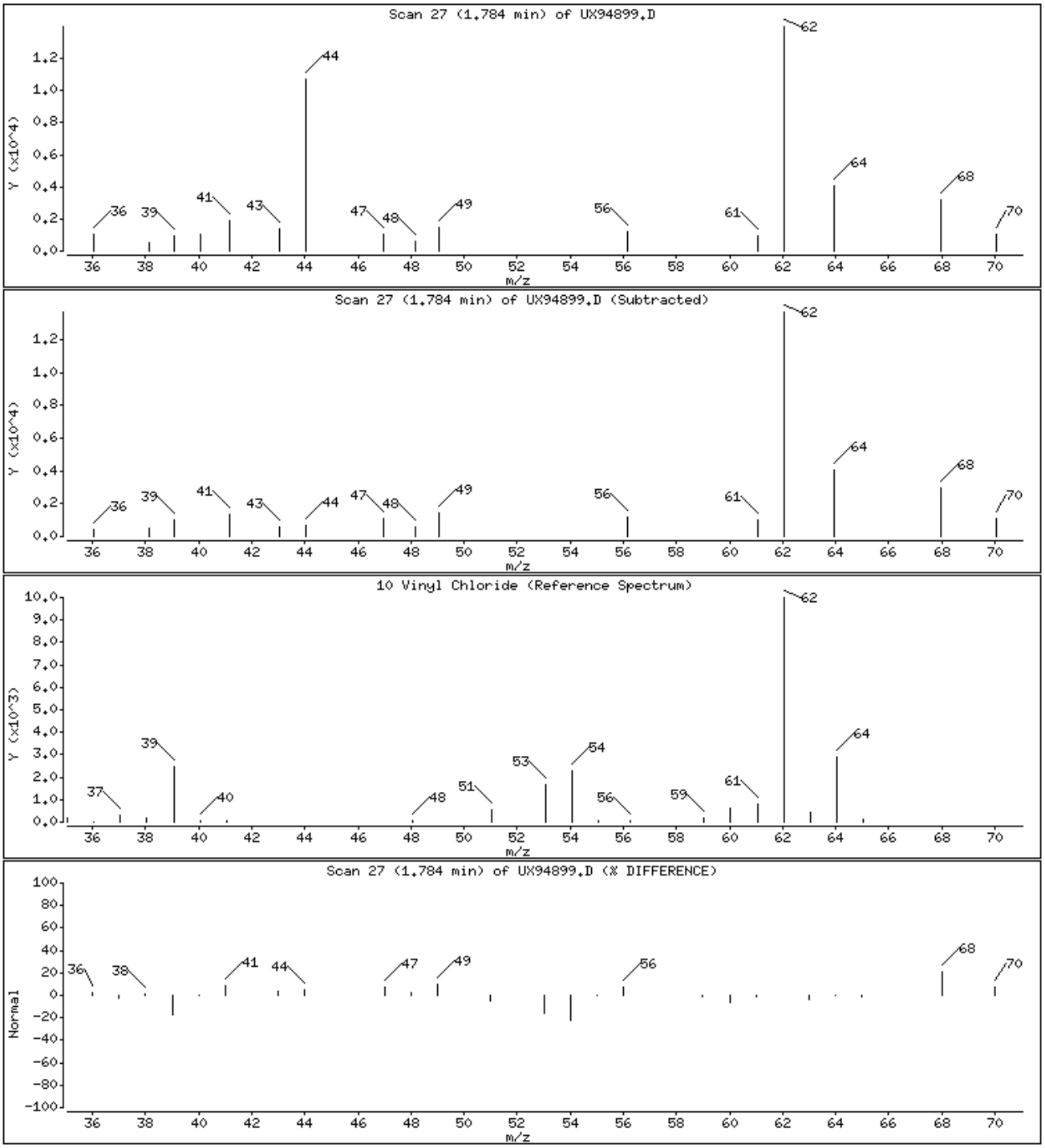
Client ID: MW-216 Instrument: a3ux9.i

Sample Info: HE1DK1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 2.117 ug/L



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Date : 13-JUL-2005 22:21

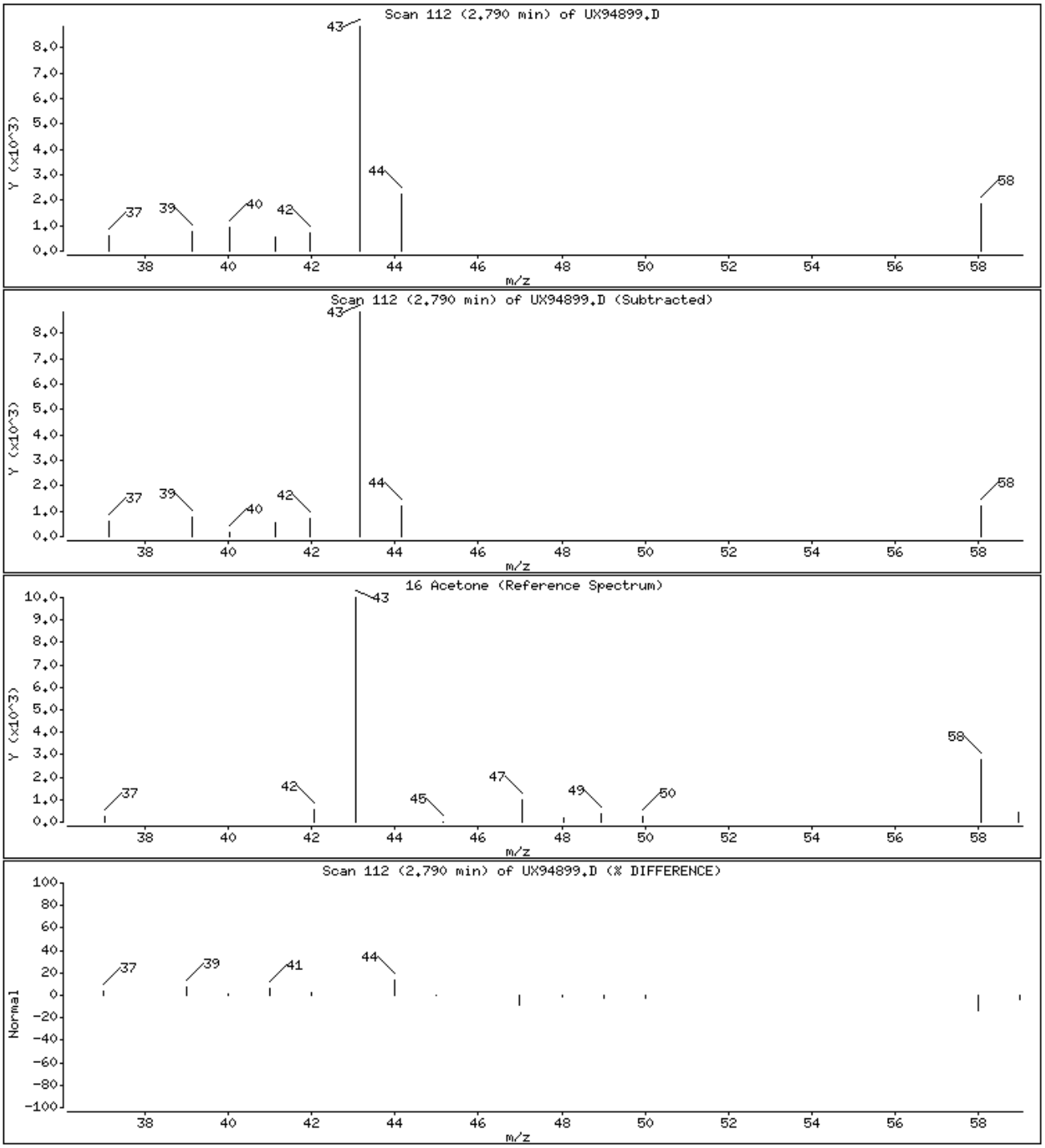
Client ID: MW-216 Instrument: a3ux9.i

Sample Info: HE1DK1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.4051 ug/L



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Date : 13-JUL-2005 22:21

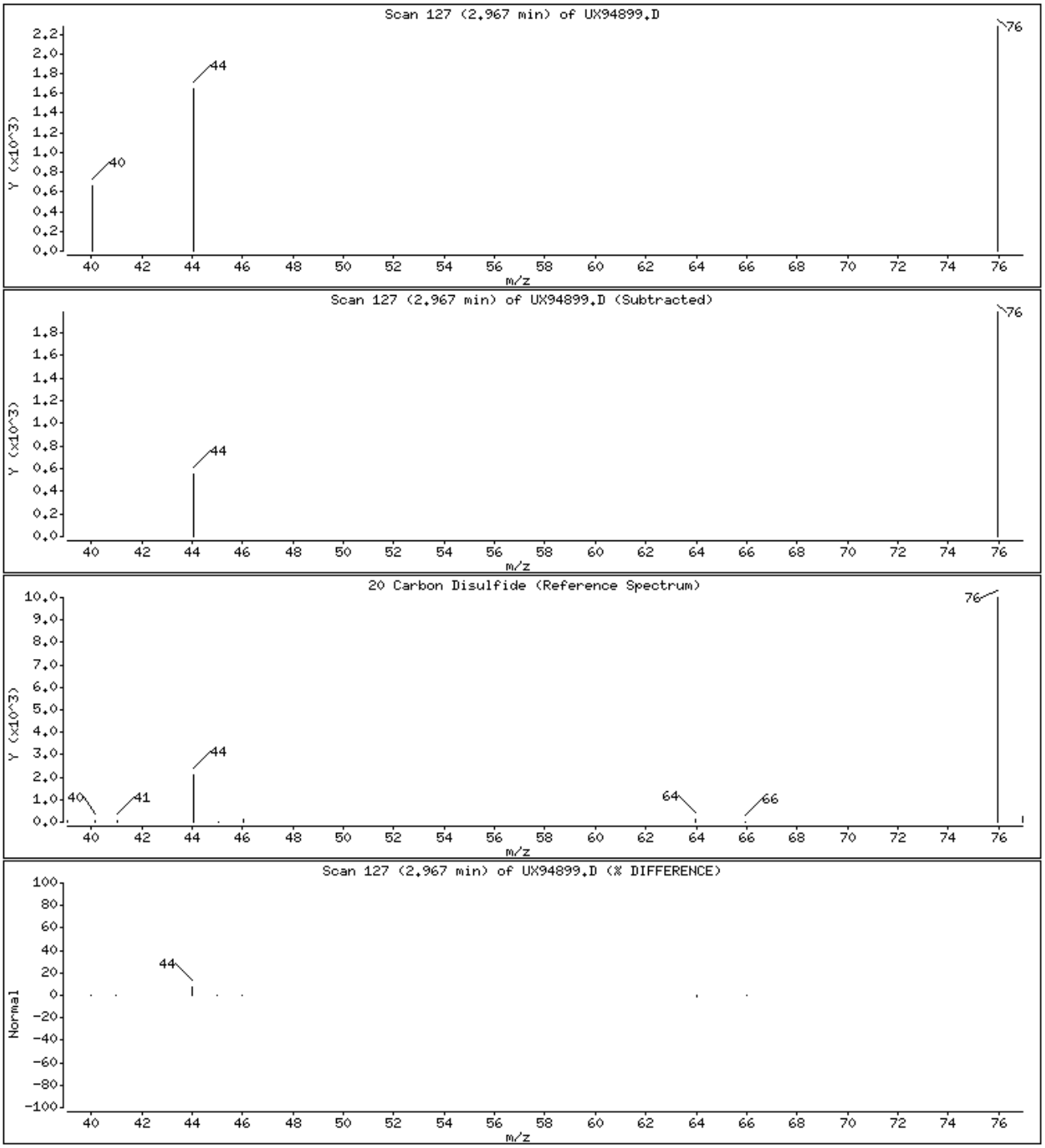
Client ID: MW-216 Instrument: a3ux9.i

Sample Info: HE1DK1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.1507 ug/L



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Date : 13-JUL-2005 22:21

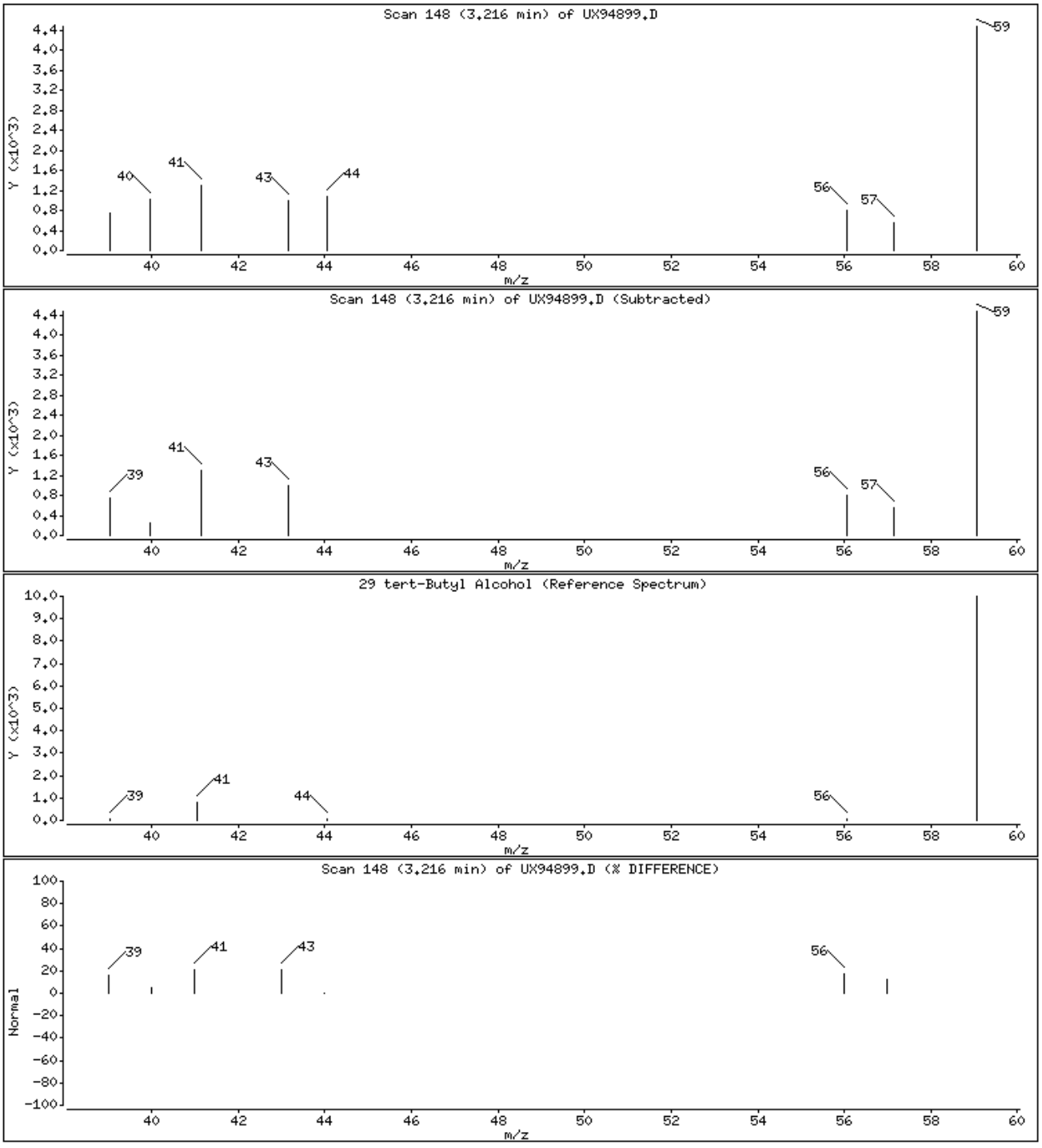
Client ID: MW-216 Instrument: a3ux9.i

Sample Info: HE1DK1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 7.807 ug/L



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Date : 13-JUL-2005 22:21

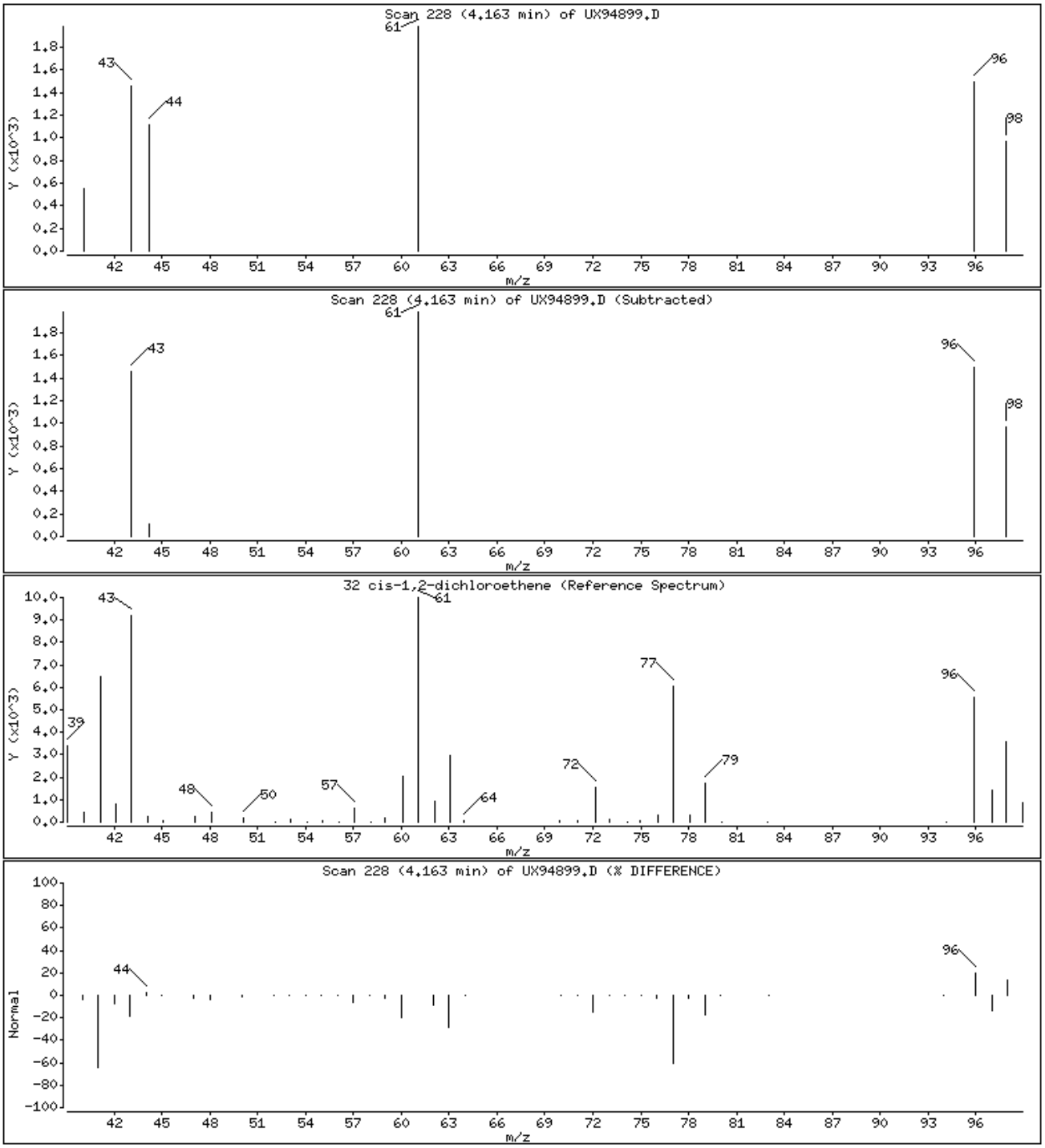
Client ID: MW-216 Instrument: a3ux9.i

Sample Info: HE1DK1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.1485 ug/L



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Date : 13-JUL-2005 22:21

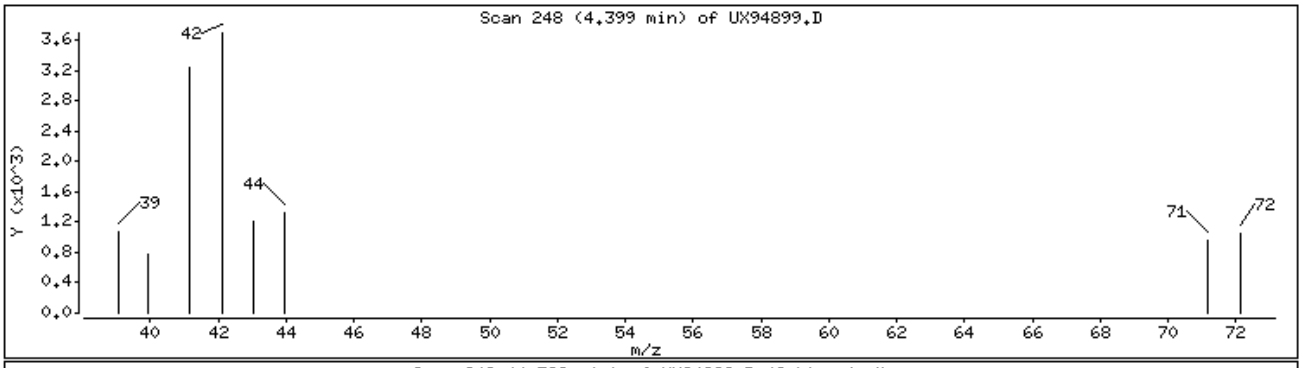
Client ID: MW-216 Instrument: a3ux9.i

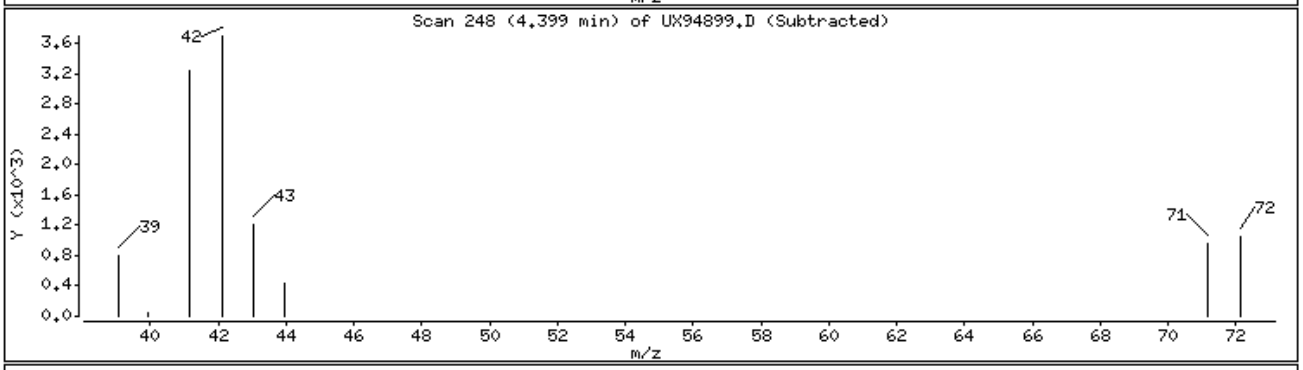
Sample Info: HE1DK1AL,5ML/5ML

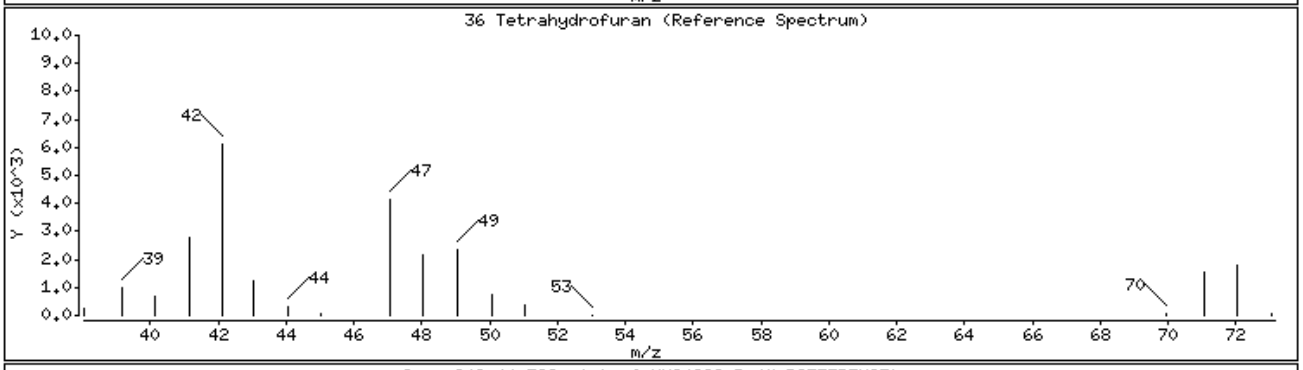
Purge Volume: 5.0 Operator: 1903

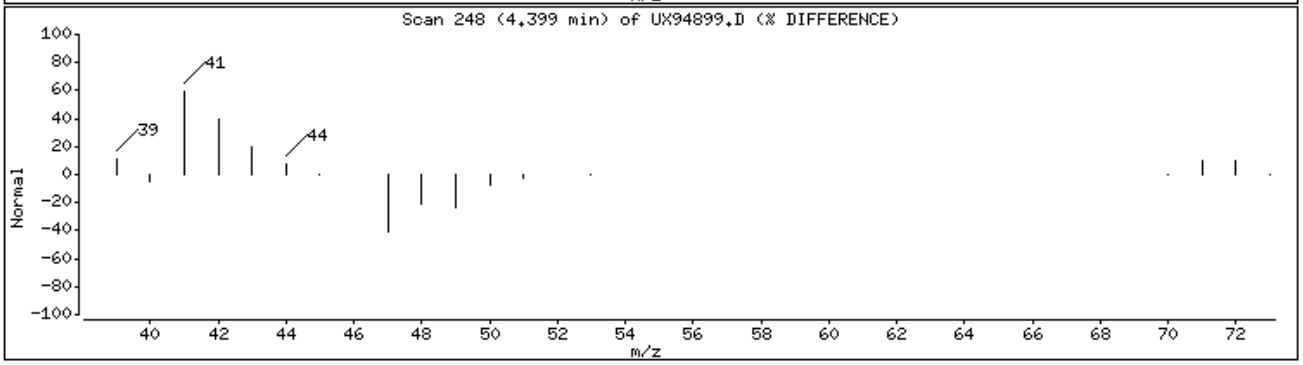
Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.6851 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94899.D

Date : 13-JUL-2005 22:21

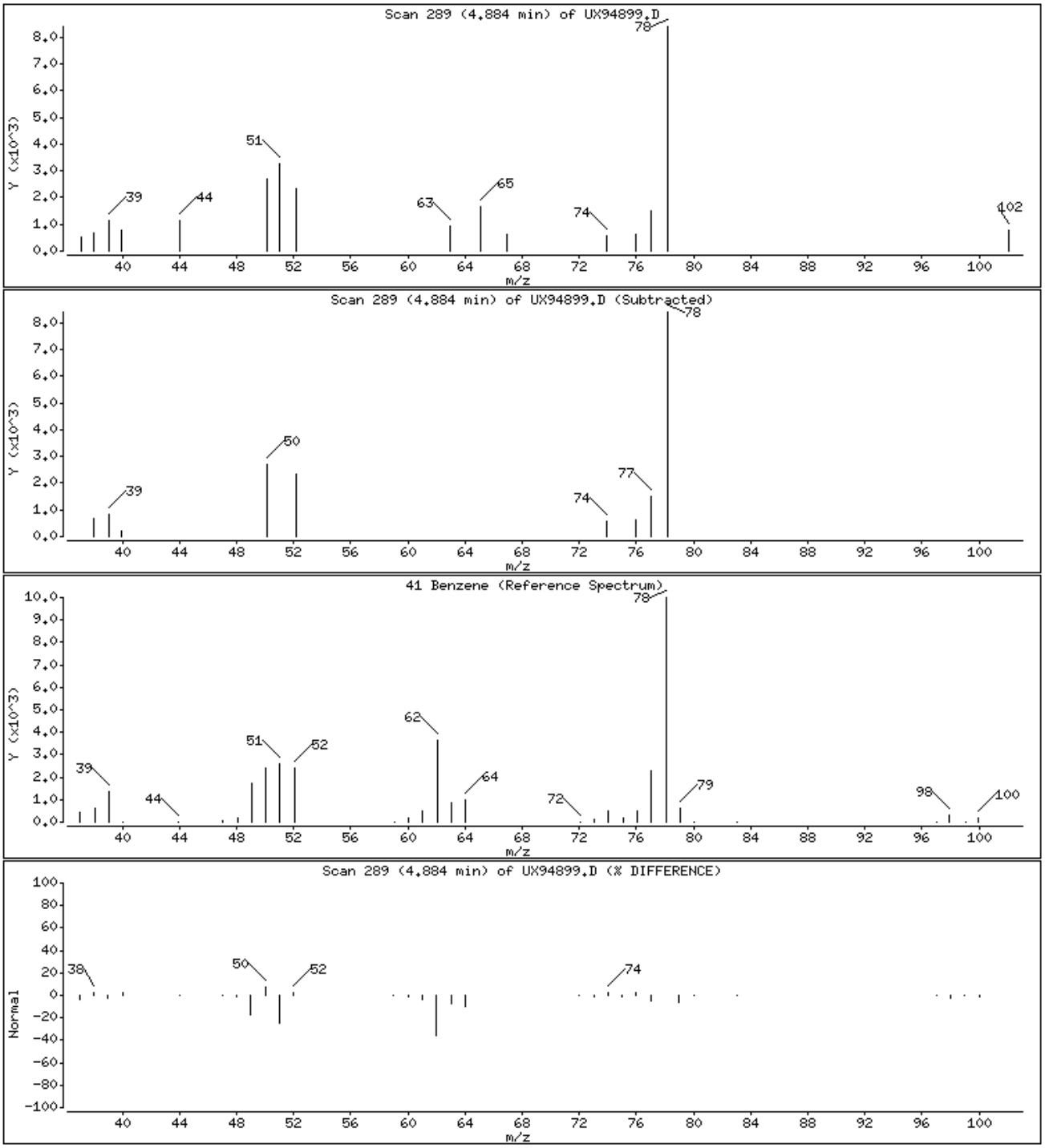
Client ID: MW-216 Instrument: a3ux9.i

Sample Info: HE1DK1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.2642 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-202

GC/MS Volatiles

Lot-Sample #...: A5G070131-005 **Work Order #...:** HE1DL1AL **Matrix.....:** WG
Date Sampled...: 07/06/05 11:10 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	87	(76 - 110)
4-Bromofluorobenzene	79	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94900.D
Report Date: 13-Jul-2005 23:14

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94900.D
Lab Smp Id: HE1DL1AL Client Smp ID: MW-202
Inj Date : 13-JUL-2005 22:45
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DL1AL,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.097	5.098	(1.000)	572421	50.0000	
* 2	Chlorobenzene-d5	117	7.747	7.748	(1.000)	432590	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.984	9.985	(1.000)	212385	50.0000	
$ 4	Dibromofluoromethane	113	4.540	4.542	(0.891)	102948	46.8053	9.361
$ 5	1,2-Dichloroethane-d4	65	4.824	4.826	(0.947)	132772	43.9412	8.788
$ 6	Toluene-d8	98	6.446	6.447	(0.832)	470113	43.5214	8.704
$ 7	Bromofluorobenzene	95	8.848	8.849	(1.142)	166526	39.3322	7.866
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	61	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	2.955	2.956	(0.580)	5150	0.58161	0.1163
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94900.D
Report Date: 13-Jul-2005 23:14

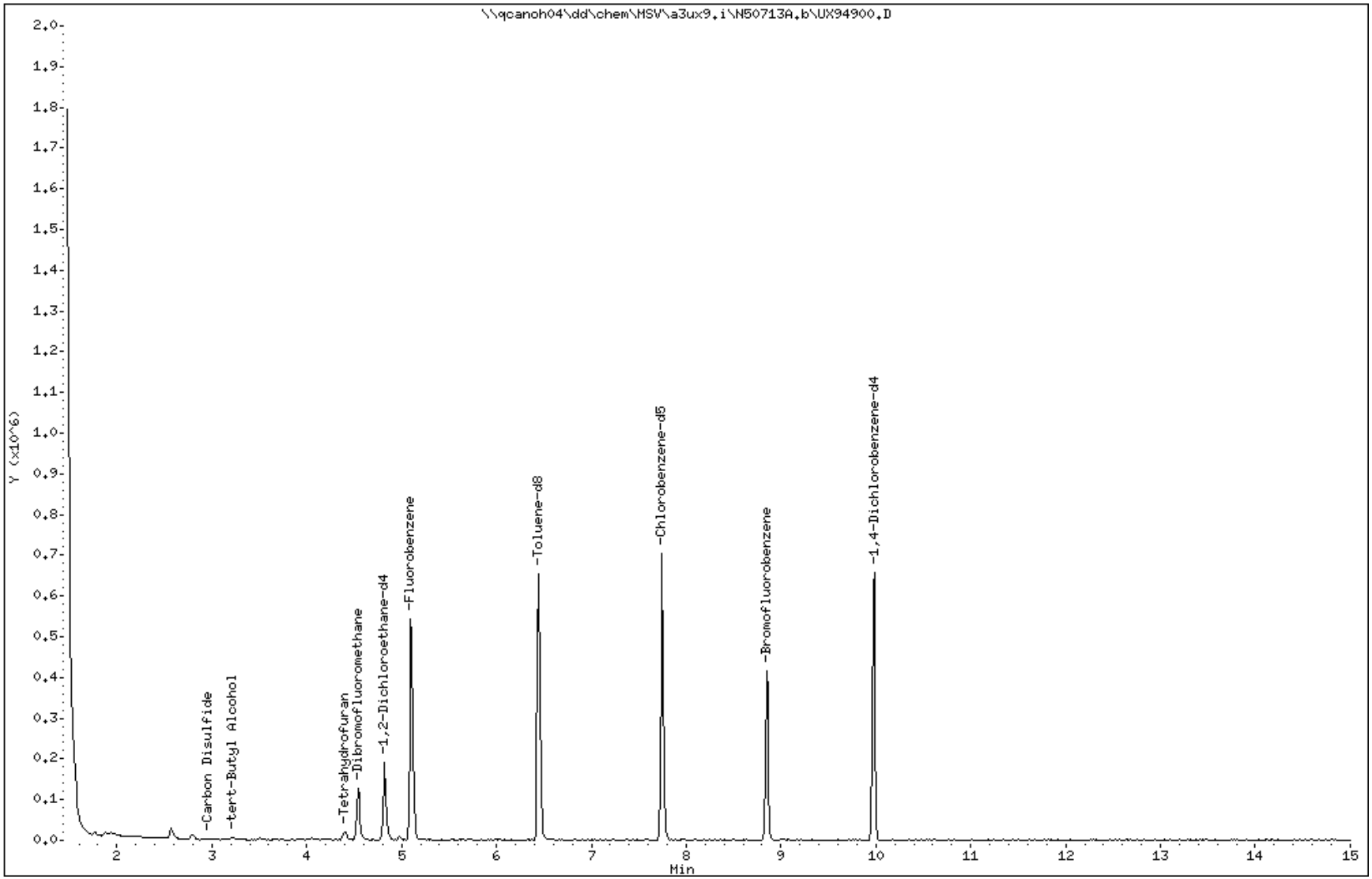
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	3.215	3.216	(0.631)	9048	25.6370	5.127
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.398	4.400	(0.863)	19783	9.74051	1.948
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94900.D
Report Date: 13-Jul-2005 23:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94900.D
Date : 13-JUL-2005 22:45
Client ID: MW-202 Instrument: a3ux9.i
Sample Info: HE1DL1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



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Date : 13-JUL-2005 22:45

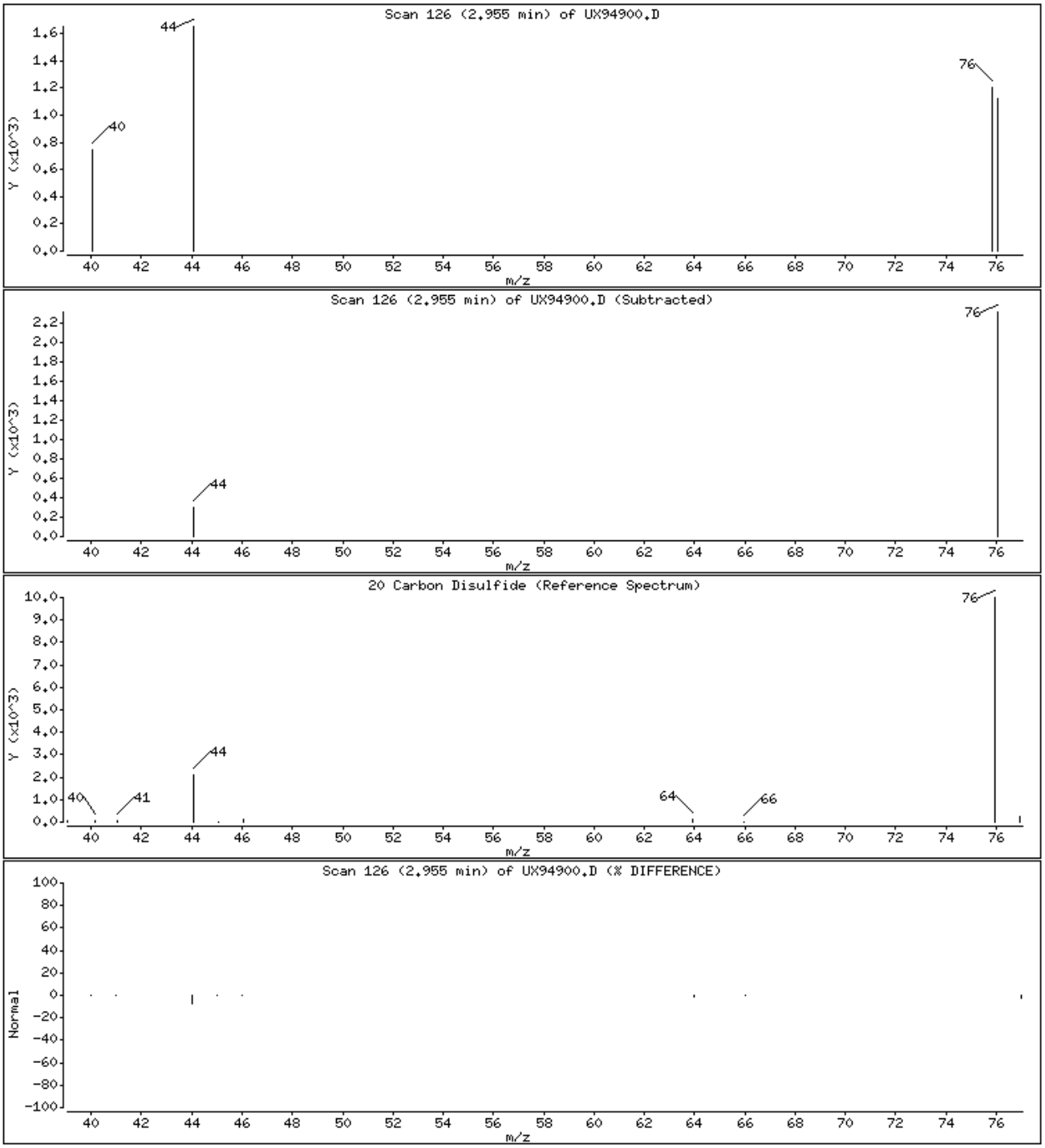
Client ID: MW-202 Instrument: a3ux9.i

Sample Info: HE1DL1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.1163 ug/L



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Date : 13-JUL-2005 22:45

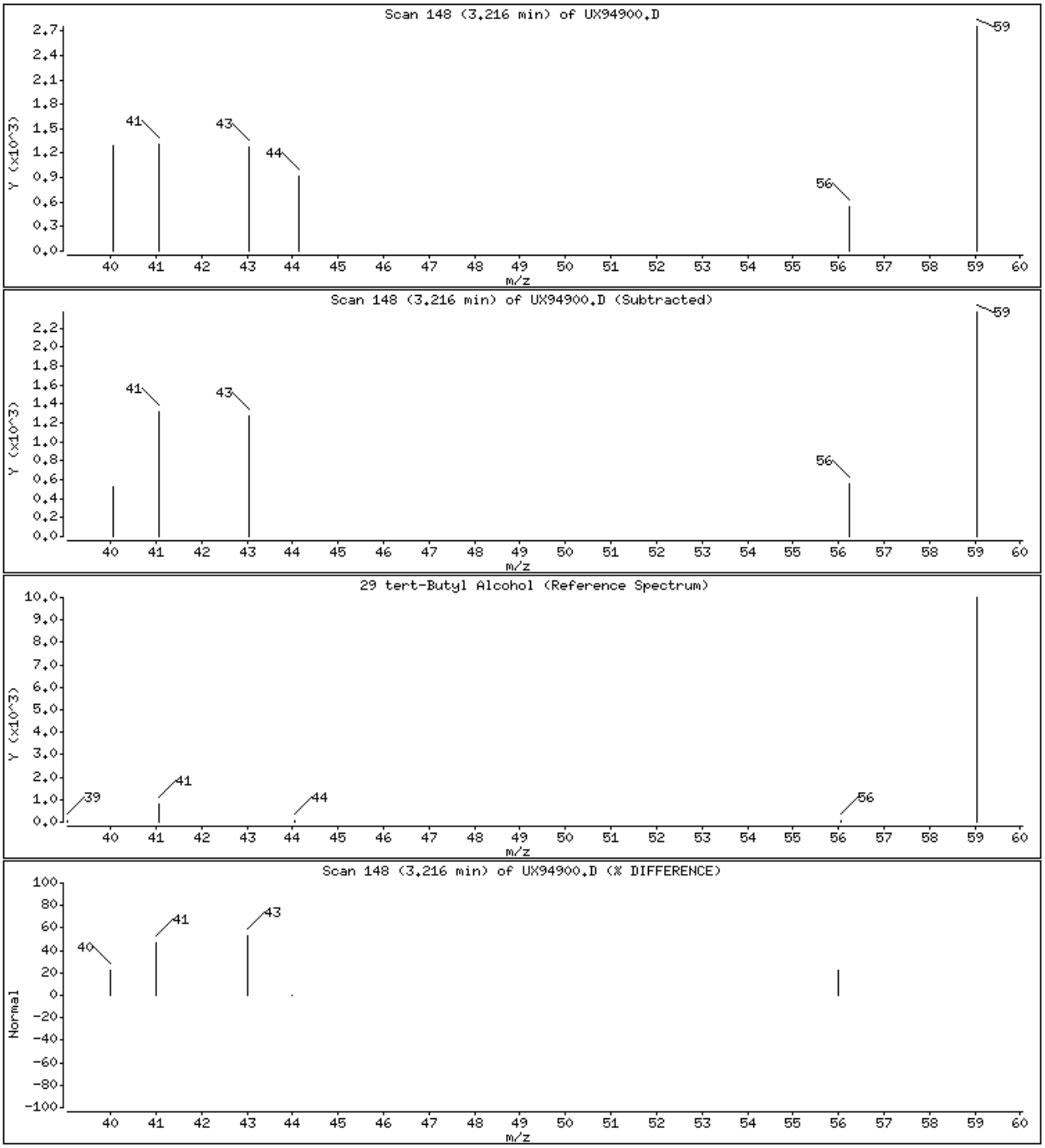
Client ID: MW-202 Instrument: a3ux9.i

Sample Info: HE1DL1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 5.127 ug/L



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Date : 13-JUL-2005 22:45

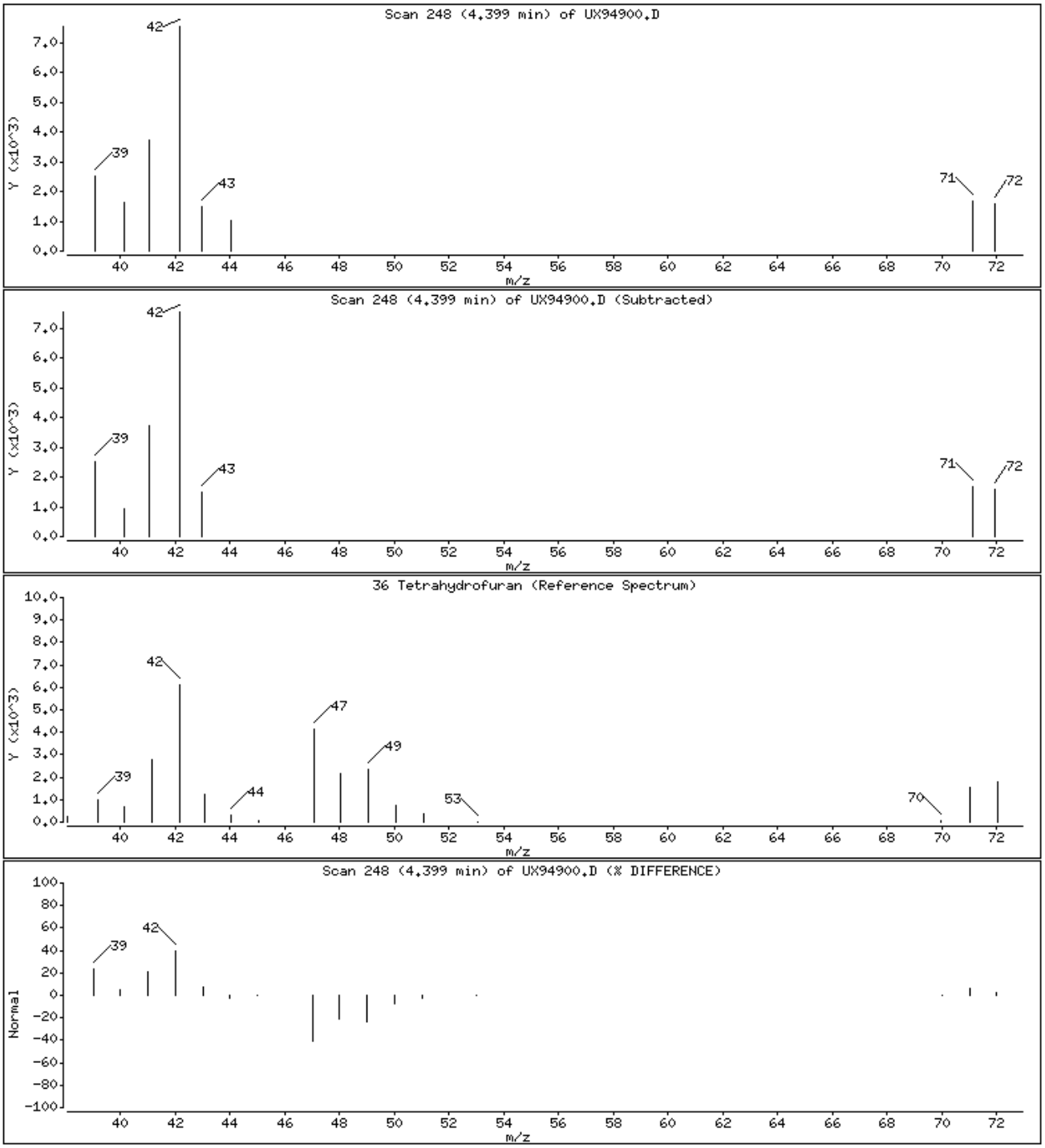
Client ID: MW-202 Instrument: a3ux9.i

Sample Info: HE1DL1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.948 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-201

GC/MS Volatiles

Lot-Sample #...: A5G070131-006 **Work Order #...:** HE1DN1AL **Matrix.....:** WG
Date Sampled...: 07/06/05 10:01 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	87	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94901.D
Report Date: 14-Jul-2005 15:31

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94901.D
Lab Smp Id: HE1DN1AL Client Smp ID: MW-201
Inj Date : 13-JUL-2005 23:09
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DN1AL,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.100	5.098	(1.000)	572297	50.0000	
* 2 Chlorobenzene-d5	117	7.750	7.748	(1.000)	424947	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.975	9.985	(1.000)	208611	50.0000	
$ 4 Dibromofluoromethane	113	4.544	4.542	(0.891)	95806	43.6078	8.722
$ 5 1,2-Dichloroethane-d4	65	4.816	4.826	(0.944)	135179	44.7177	8.944
$ 6 Toluene-d8	98	6.449	6.447	(0.832)	474142	44.6583	8.932
$ 7 Bromofluorobenzene	95	8.851	8.849	(1.142)	171254	41.1286	8.226
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94901.D
Report Date: 14-Jul-2005 15:31

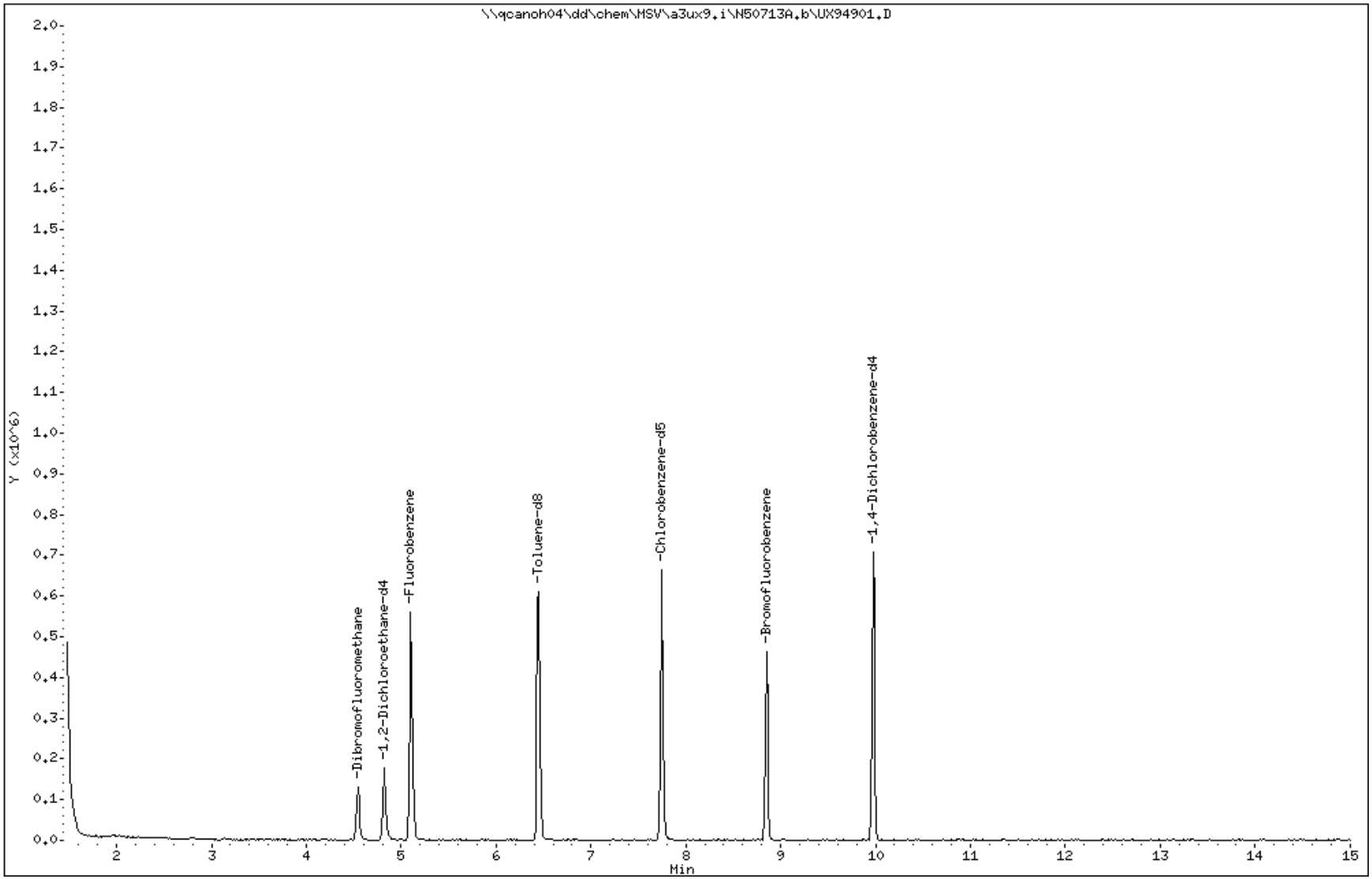
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94901.D
Report Date: 14-Jul-2005 15:31

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94901.D
Date : 13-JUL-2005 23:09
Client ID: MW-201 Instrument: a3ux9.i
Sample Info: HE1DN1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-210

GC/MS Volatiles

Lot-Sample #...: A5G070131-007 **Work Order #...:** HE1DP1AL **Matrix.....:** WG
Date Sampled...: 07/06/05 12:50 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1.67 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	17	ug/L	1.2
Benzene	ND	1.7	ug/L	0.37
Bromodichloromethane	ND	1.7	ug/L	0.23
2-Butanone	ND	17	ug/L	0.65
Chlorobenzene	ND	1.7	ug/L	0.33
Chloroethane	ND	1.7	ug/L	0.40
Chloroform	ND	1.7	ug/L	0.27
1,2-Dichlorobenzene	ND	1.7	ug/L	0.33
1,3-Dichlorobenzene	ND	1.7	ug/L	0.30
1,4-Dichlorobenzene	ND	1.7	ug/L	0.37
1,2-Dichloroethane	ND	1.7	ug/L	0.27
1,2-Dichloroethene (total)	**43**	**1.7**	**ug/L**	**0.58**
Ethylbenzene	ND	1.7	ug/L	0.32
Methylene chloride	ND	1.7	ug/L	0.32
4-Methyl-2-pentanone	ND	17	ug/L	0.53
Styrene	ND	1.7	ug/L	0.22
1,1,2,2-Tetrachloroethane	ND	1.7	ug/L	0.37
Tetrachloroethene	ND	1.7	ug/L	0.32
Toluene	ND	1.7	ug/L	0.28
Trichloroethene	ND	1.7	ug/L	0.47
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.7	ug/L	0.43
Vinyl chloride	**36**	**1.7**	**ug/L**	**0.35**
Xylenes (total)	ND	1.7	ug/L	0.73

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	82	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94892.D
Report Date: 13-Jul-2005 20:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94892.D
Lab Smp Id: HE1DP1AL Client Smp ID: MW-210
Inj Date : 13-JUL-2005 19:36
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DP1AL,3ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	3.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.100	5.098	(1.000)	618194	50.0000	
* 2	Chlorobenzene-d5	117	7.750	7.748	(1.000)	465317	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.975	9.985	(1.000)	215582	50.0000	
$ 4	Dibromofluoromethane	113	4.544	4.542	(0.891)	105501	44.4442	14.815
$ 5	1,2-Dichloroethane-d4	65	4.816	4.826	(0.944)	140053	42.9566	14.319
$ 6	Toluene-d8	98	6.449	6.447	(0.832)	514155	44.2348	14.745
$ 7	Bromofluorobenzene	95	8.851	8.849	(1.142)	187179	41.0550	13.685
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	1.787	1.785	(0.350)	449721	108.262	36.087
11	Bromomethane	94	2.082	2.069	(0.408)	3613	2.57030	0.8568
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	61	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	2.958	2.956	(0.580)	8238	0.86147	0.2872
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94892.D
Report Date: 13-Jul-2005 20:25

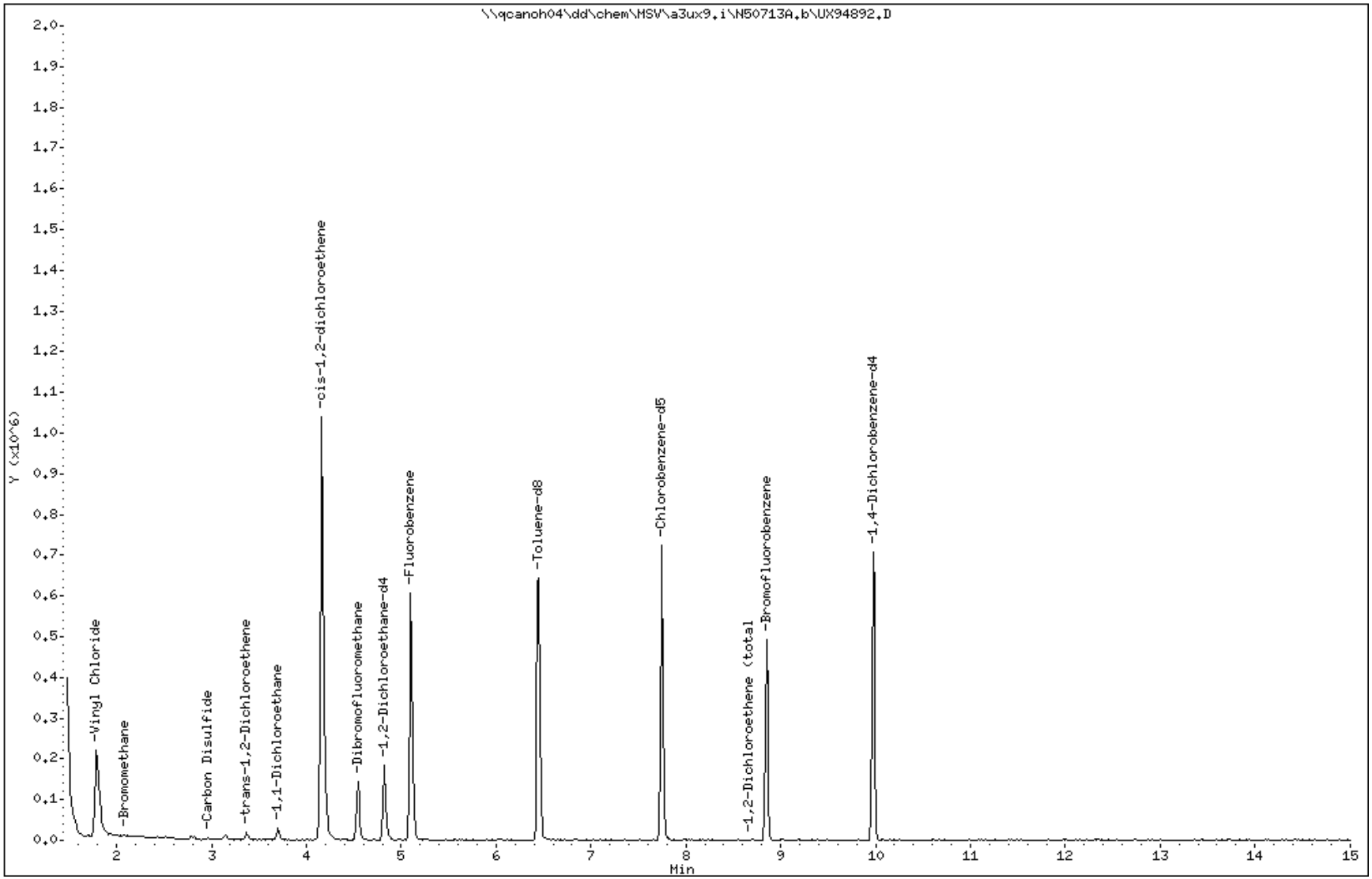
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	3.372	3.370	(0.661)	15470	2.70437	0.9014
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.704	3.702	(0.726)	38549	5.66105	1.887
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61				803723	128.548	42.849
	32 cis-1,2-dichloroethene	61	4.165	4.163	(0.817)	788253	125.844	41.948
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94892.D
Report Date: 13-Jul-2005 20:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94892.D
Date : 13-JUL-2005 19:36
Client ID: MW-210 Instrument: a3ux9.i
Sample Info: HE1DP1AL,3ML/5ML
Purge Volume: 3.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



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Date : 13-JUL-2005 19:36

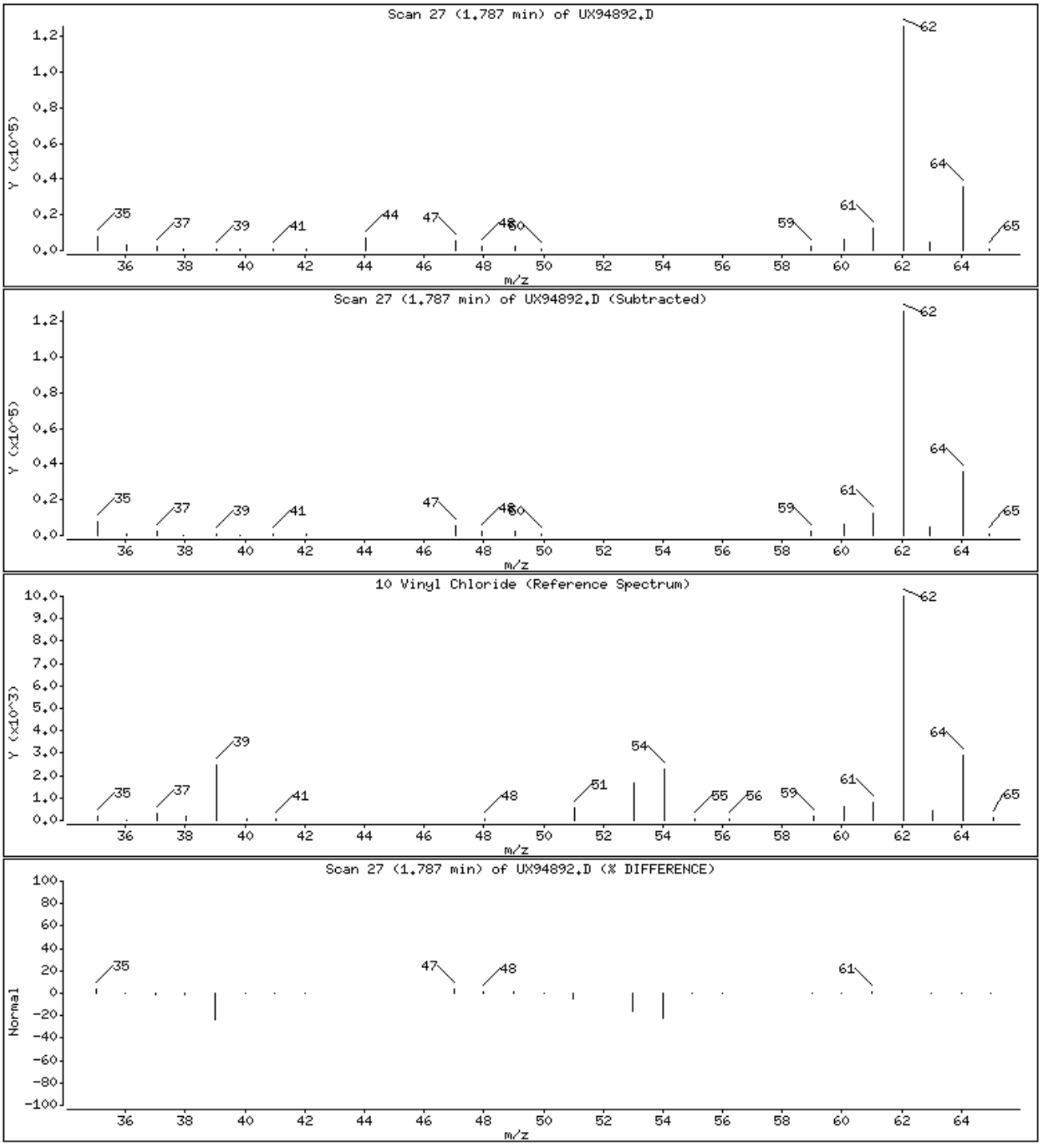
Client ID: MW-210 Instrument: a3ux9.i

Sample Info: HE1DP1AL,3ML/5ML

Purge Volume: 3.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 36.087 ug/L



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Date : 13-JUL-2005 19:36

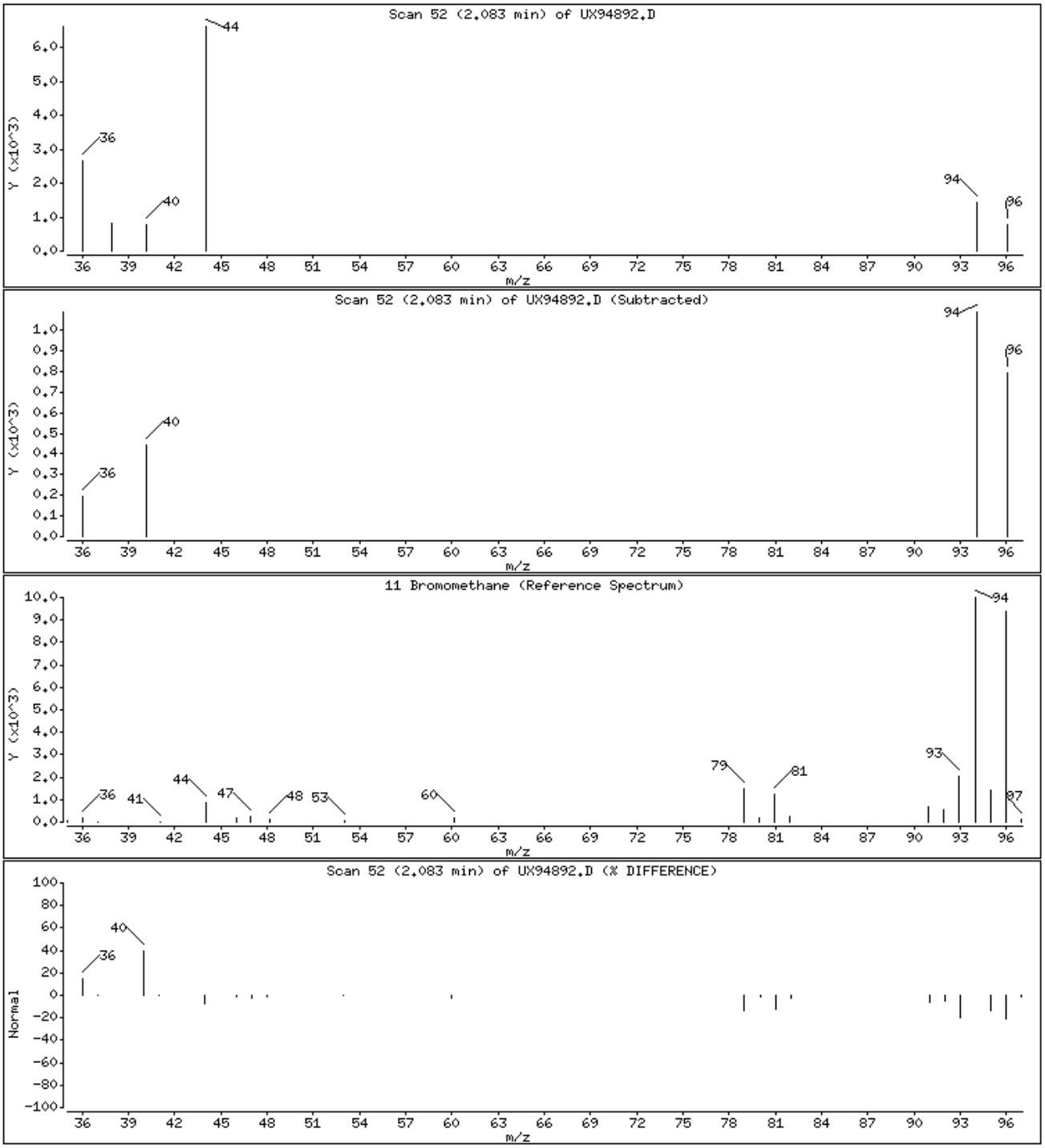
Client ID: MW-210 Instrument: a3ux9.i

Sample Info: HE1DP1AL,3ML/5ML

Purge Volume: 3.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

11 Bromomethane Concentration: 0.8568 ug/L



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Date : 13-JUL-2005 19:36

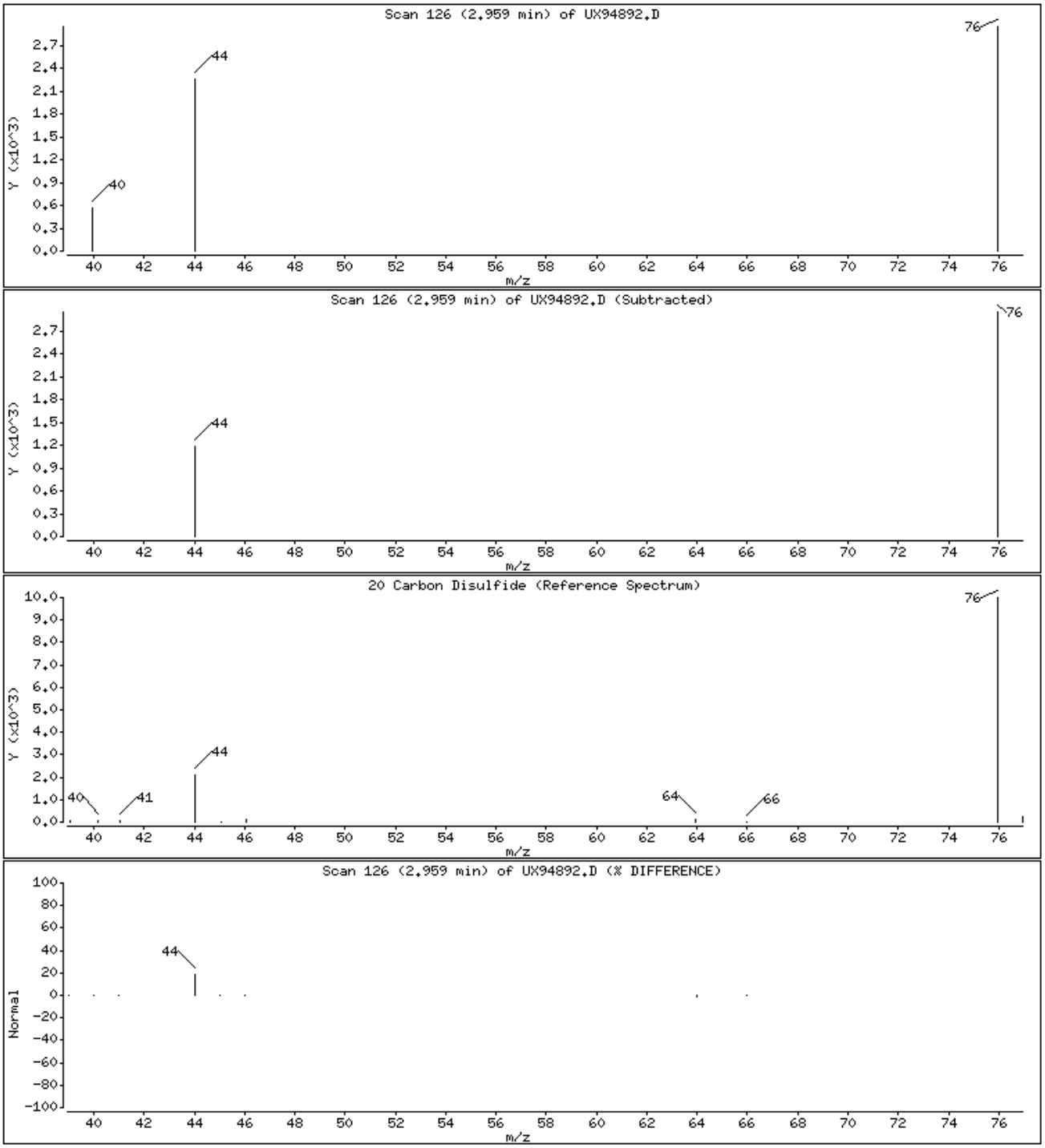
Client ID: MW-210 Instrument: a3ux9.i

Sample Info: HE1DP1AL,3ML/5ML

Purge Volume: 3.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.2872 ug/L



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Date : 13-JUL-2005 19:36

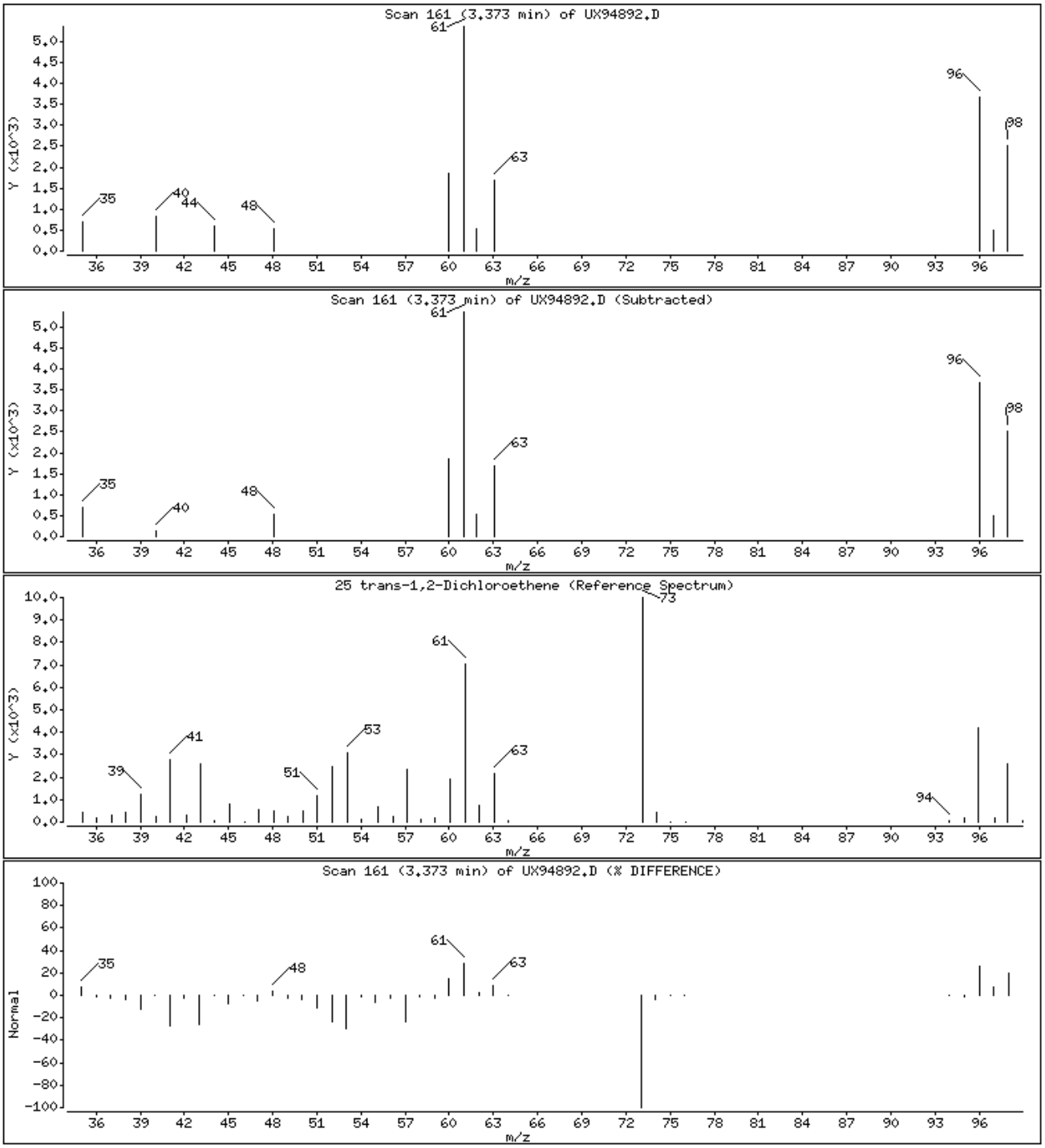
Client ID: MW-210 Instrument: a3ux9.i

Sample Info: HE1DP1AL,3ML/5ML

Purge Volume: 3.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

25 trans-1,2-Dichloroethene Concentration: 0.9014 ug/L



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Date : 13-JUL-2005 19:36

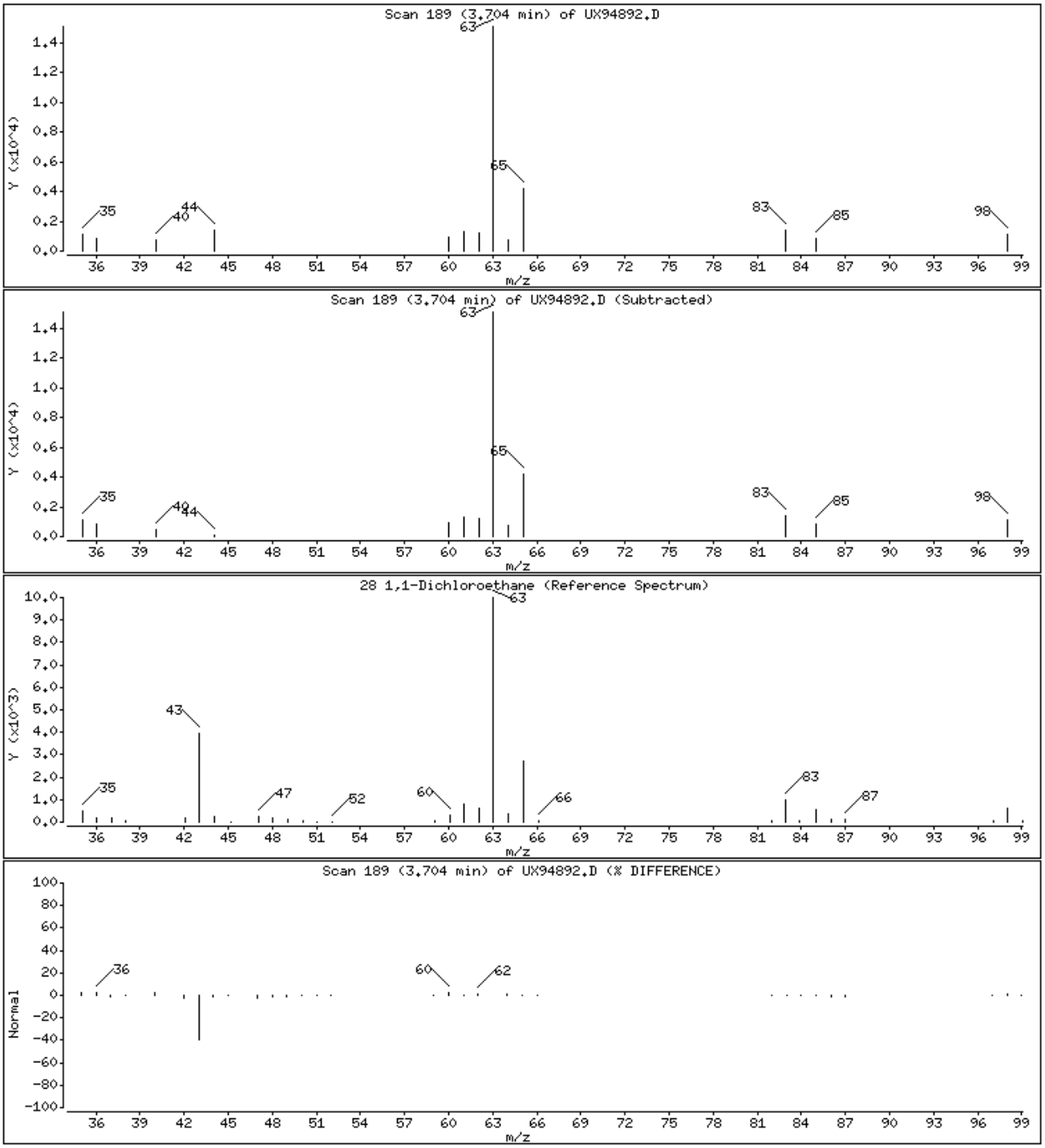
Client ID: MW-210 Instrument: a3ux9.i

Sample Info: HE1DP1AL,3ML/5ML

Purge Volume: 3.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 1.887 ug/L



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Date : 13-JUL-2005 19:36

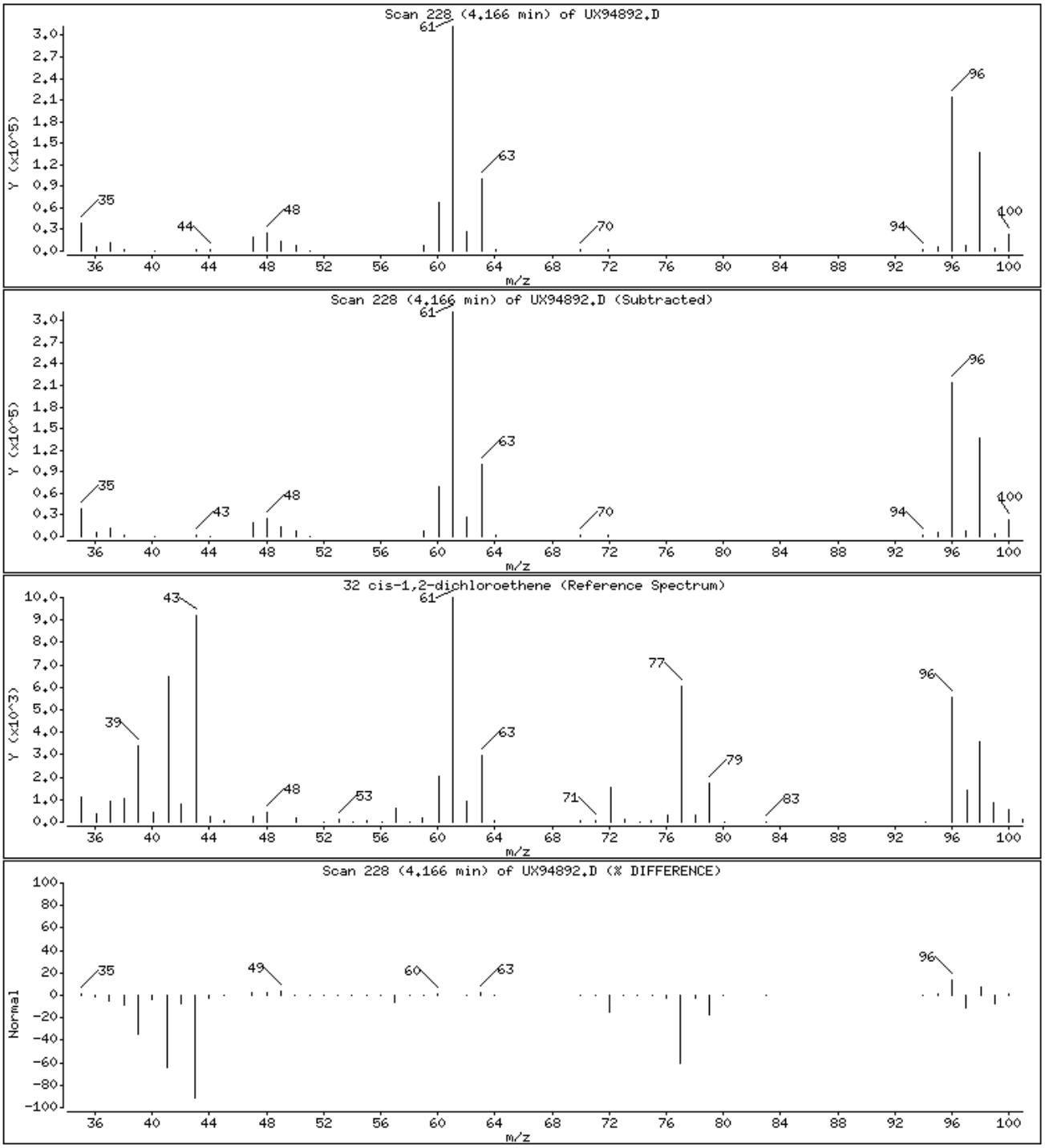
Client ID: MW-210 Instrument: a3ux9.i

Sample Info: HE1DP1AL,3ML/5ML

Purge Volume: 3.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 41.948 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-209

GC/MS Volatiles

Lot-Sample #...: A5G070131-008 **Work Order #...:** HE1DQ1AL **Matrix.....:** WG
Date Sampled...: 07/06/05 13:30 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\UX94902.D
Report Date: 14-Jul-2005 09:19

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\UX94902.D
Lab Smp Id: HE1DQ1AL Client Smp ID: MW-209
Inj Date : 13-JUL-2005 23:32
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DQ1AL,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.097	5.098	(1.000)	565923	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	419820	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.985	(1.000)	207175	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.542	(0.891)	97428	44.8291	8.966
$ 5 1,2-Dichloroethane-d4	65	4.825	4.826	(0.947)	129063	43.2313	8.646
$ 6 Toluene-d8	98	6.446	6.447	(0.832)	476558	45.4174	9.083
$ 7 Bromofluorobenzene	95	8.848	8.849	(1.142)	170584	41.4596	8.292
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\UX94902.D
Report Date: 14-Jul-2005 09:19

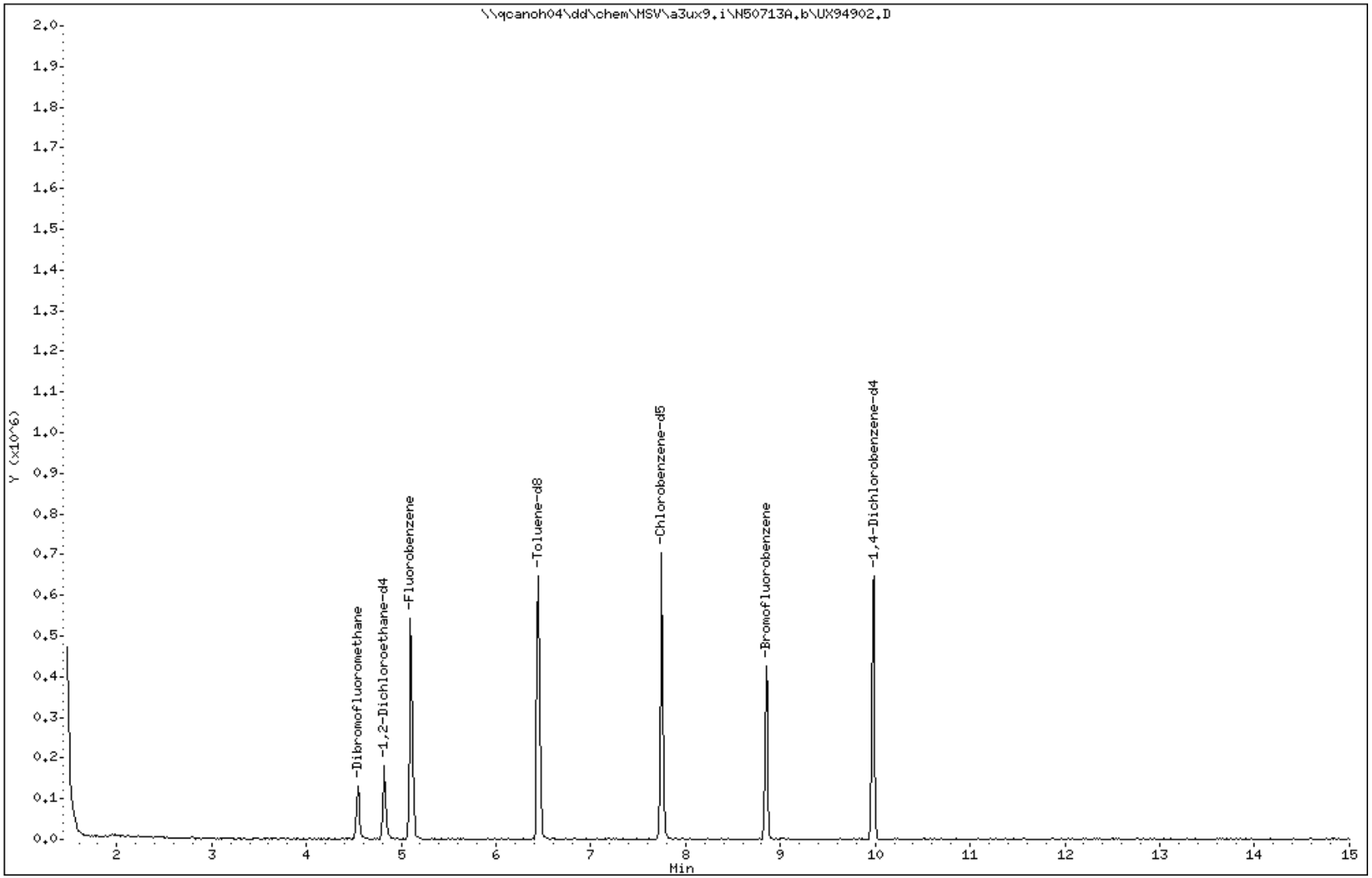
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\UX94902.D
Report Date: 14-Jul-2005 09:19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94902.D
Date : 13-JUL-2005 23:32
Client ID: MW-209 Instrument: a3ux9.i
Sample Info: HE1DQ1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-213

GC/MS Volatiles

Lot-Sample #...: A5G070131-009 **Work Order #...:** HE1DR1AL **Matrix.....:** WG
Date Sampled...: 07/06/05 17:35 **Date Received..:** 07/07/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	91	(76 - 110)
4-Bromofluorobenzene	84	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94903.D
Report Date: 14-Jul-2005 15:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94903.D
Lab Smp Id: HE1DR1AL Client Smp ID: MW-213
Inj Date : 13-JUL-2005 23:56
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DR1AL,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.097	5.098	(1.000)	563097	50.0000	
* 2	Chlorobenzene-d5	117	7.747	7.748	(1.000)	405960	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.984	9.985	(1.000)	209567	50.0000	
$ 4	Dibromofluoromethane	113	4.541	4.542	(0.891)	96142	44.4642	8.893
$ 5	1,2-Dichloroethane-d4	65	4.825	4.826	(0.947)	124482	41.9559	8.391
$ 6	Toluene-d8	98	6.446	6.447	(0.832)	462111	45.5415	9.108
$ 7	Bromofluorobenzene	95	8.848	8.849	(1.142)	166438	41.8238	8.365
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	61	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94903.D
Report Date: 14-Jul-2005 15:33

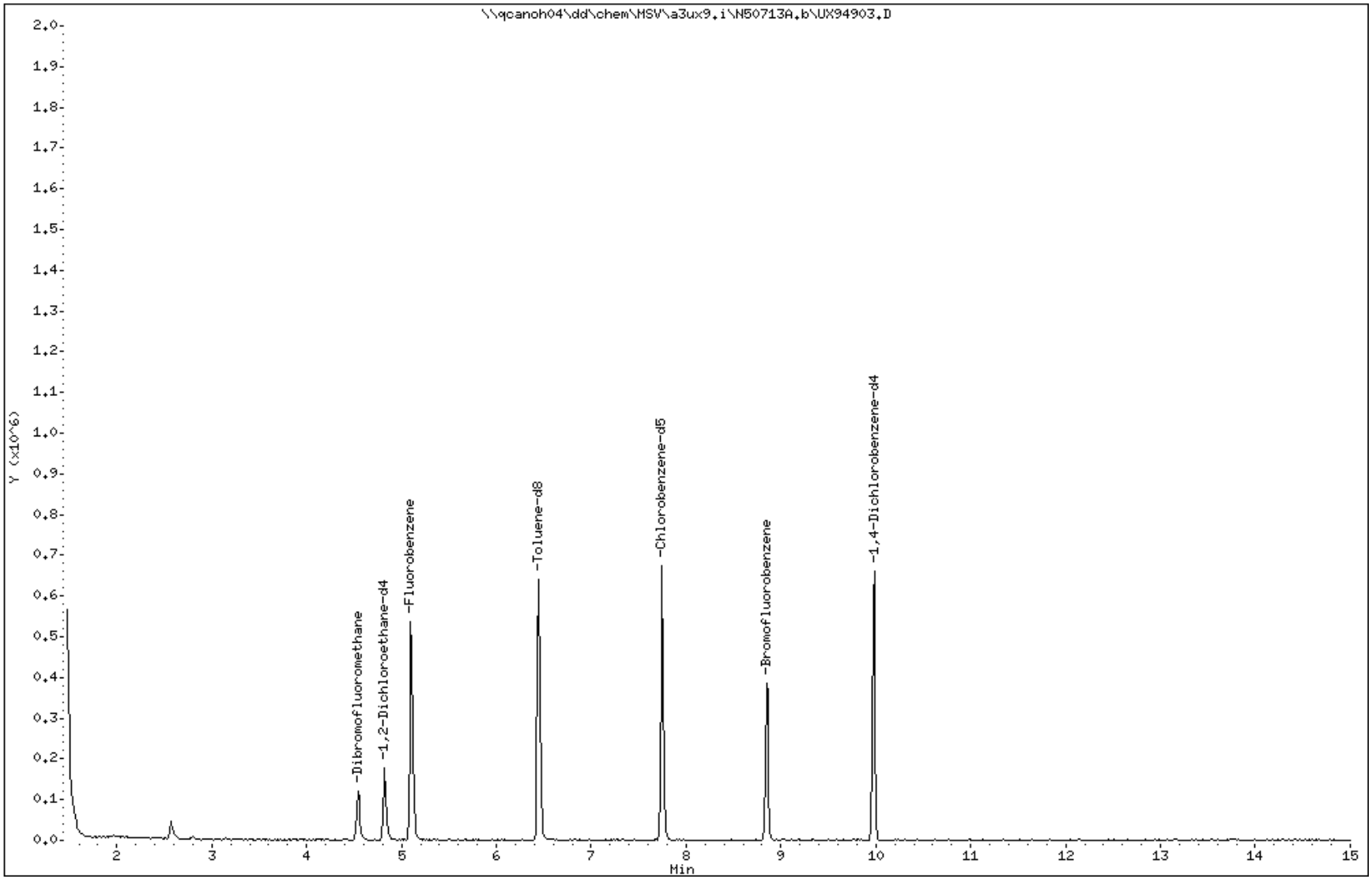
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94903.D
Report Date: 14-Jul-2005 15:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94903.D
Date : 13-JUL-2005 23:56
Client ID: MW-213 Instrument: a3ux9.i
Sample Info: HE1DR1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: TRIP BLANK E101

GC/MS Volatiles

Lot-Sample #...: A5G070131-010 **Work Order #...:** HE1DV1AA **Matrix.....:** WQ
Date Sampled...: 07/06/05 **Date Received..:** 07/07/05
Prep Date.....: 07/14/05 **Analysis Date..:** 07/14/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	**0.31 J**	**1.0**	**ug/L**	**0.17**
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	88	(76 - 110)
4-Bromofluorobenzene	78	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94904.D
Report Date: 14-Jul-2005 15:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94904.D
Lab Smp Id: HE1DV1AA Client Smp ID: TRIP BLANK E101
Inj Date : 14-JUL-2005 00:19
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DV1AA,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.097	5.098	(1.000)	578762	50.0000	
* 2	Chlorobenzene-d5	117	7.747	7.748	(1.000)	437133	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.984	9.985	(1.000)	216642	50.0000	
$ 4	Dibromofluoromethane	113	4.541	4.542	(0.891)	99497	44.7663	8.953
$ 5	1,2-Dichloroethane-d4	65	4.825	4.826	(0.947)	135569	44.3593	8.872
$ 6	Toluene-d8	98	6.446	6.447	(0.832)	481549	44.1037	8.821
$ 7	Bromofluorobenzene	95	8.848	8.849	(1.142)	167293	39.1086	7.822
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	61	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94904.D
Report Date: 14-Jul-2005 15:34

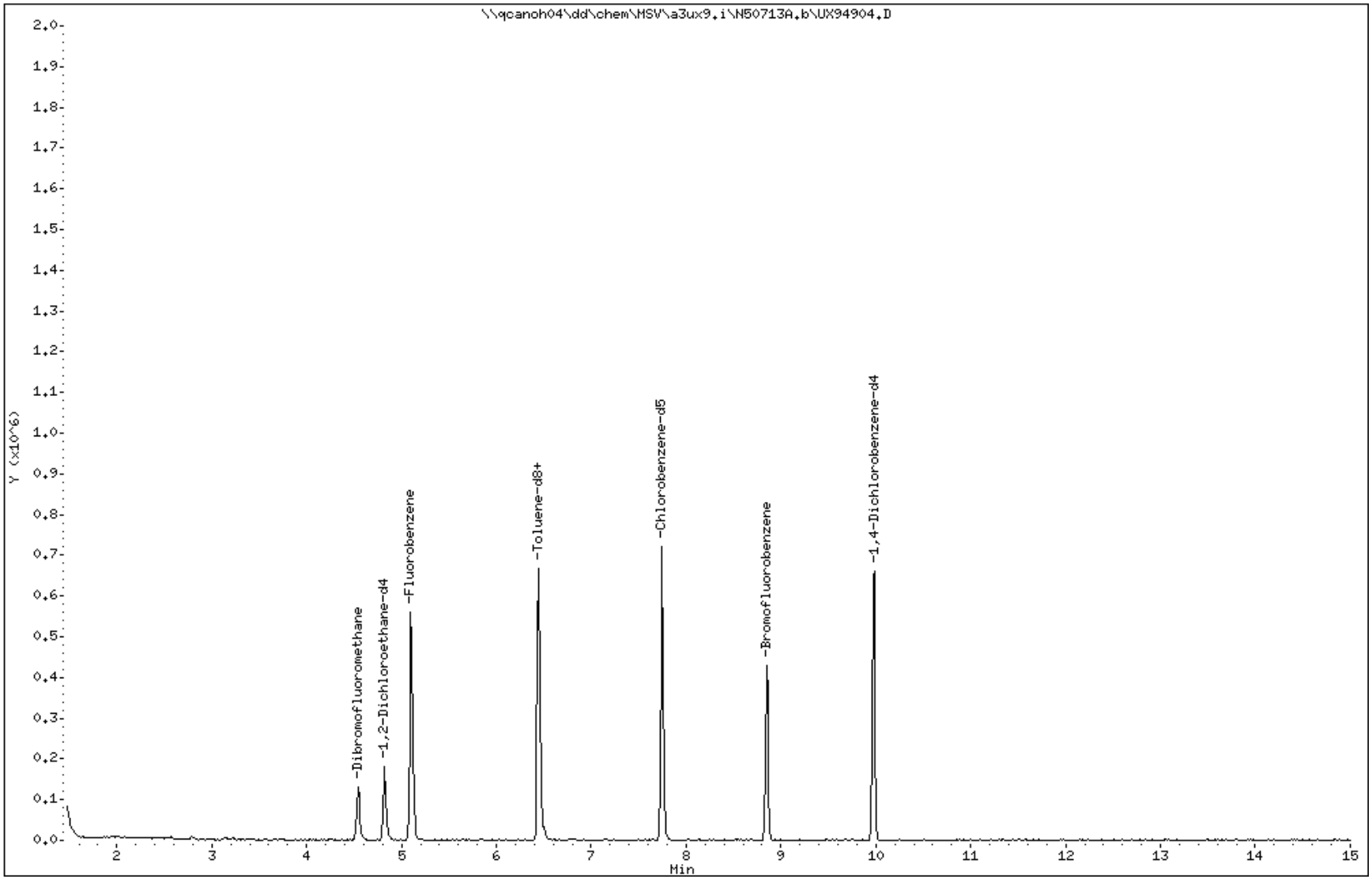
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.505	6.506	(0.840)	23204	1.54676	0.3094
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94904.D
Report Date: 14-Jul-2005 15:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94904.D
Date : 14-JUL-2005 00:19
Client ID: TRIP BLANK E101 Instrument: a3ux9.i
Sample Info: HE1DV1AA,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94904.D

Date : 14-JUL-2005 00:19

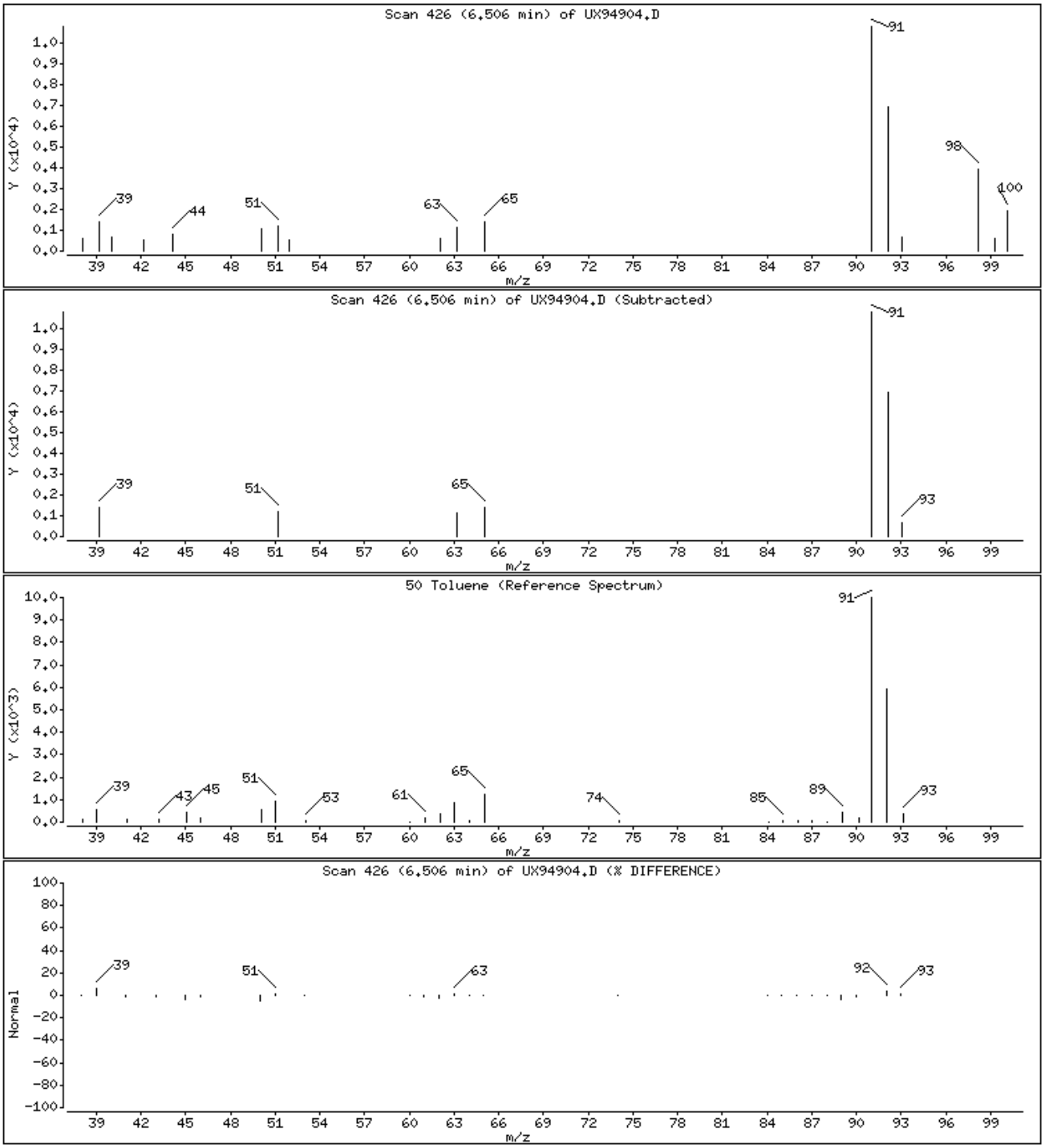
Client ID: TRIP BLANK E101 Instrument: a3ux9.i

Sample Info: HE1DV1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.3094 ug/L



Matrix Environmental, Inc.

Client Sample ID: TRIP BLANK K135

GC/MS Volatiles

Lot-Sample #...: A5G070131-011 **Work Order #...:** HE1DW1AL **Matrix.....:** WQ
Date Sampled...: 07/06/05 **Date Received..:** 07/07/05
Prep Date.....: 07/14/05 **Analysis Date..:** 07/14/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	**0.33 J**	**1.0**	**ug/L**	**0.17**
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	84	(73 - 122)
1,2-Dichloroethane-d4	84	(61 - 128)
Toluene-d8	83	(76 - 110)
4-Bromofluorobenzene	76	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94905.D
Report Date: 14-Jul-2005 15:34

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94905.D
Lab Smp Id: HE1DW1AL Client Smp ID: TRIP BLANK K135
Inj Date : 14-JUL-2005 00:43
Operator : 1903 Inst ID: a3ux9.i
Smp Info : HE1DW1AL,5ML/5ML
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.097	5.098	(1.000)	574163	50.0000	
* 2	Chlorobenzene-d5	117	7.747	7.748	(1.000)	431943	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.984	9.985	(1.000)	216148	50.0000	
$ 4	Dibromofluoromethane	113	4.541	4.542	(0.891)	92937	42.1837	8.437
$ 5	1,2-Dichloroethane-d4	65	4.825	4.826	(0.947)	127793	42.2306	8.446
$ 6	Toluene-d8	98	6.446	6.447	(0.832)	447742	41.5566	8.311
$ 7	Bromofluorobenzene	95	8.848	8.849	(1.142)	161163	38.1538	7.631
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	61	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94905.D
Report Date: 14-Jul-2005 15:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.505	6.506	(0.840)	24457	1.64987	0.3300
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

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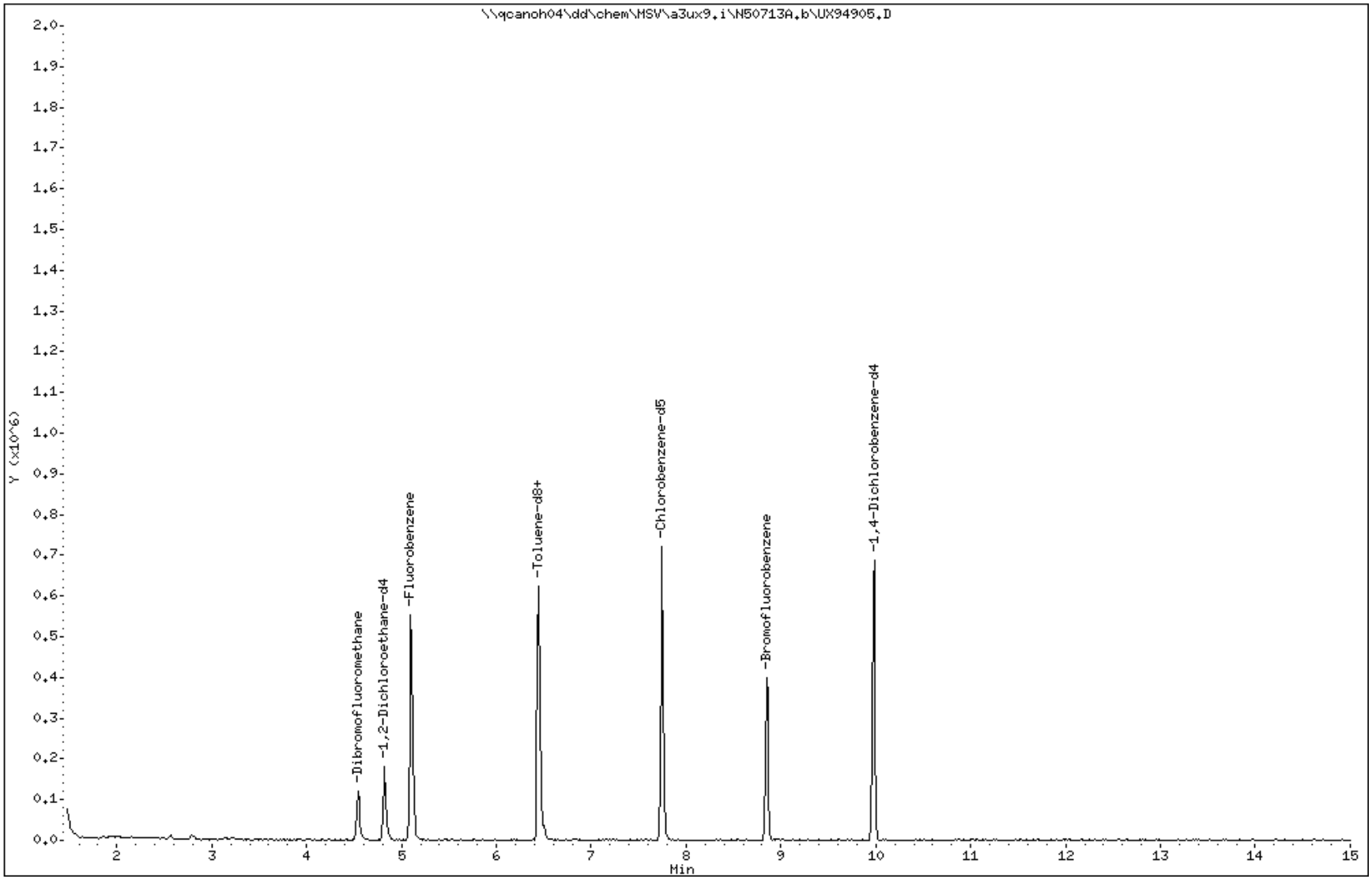
Date : 14-JUL-2005 00:43
Client ID: TRIP BLANK K135 Instrument: a3ux9.i
Sample Info: HE1DW1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1903
Column phase: DB624 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94905.D

Date : 14-JUL-2005 00:43

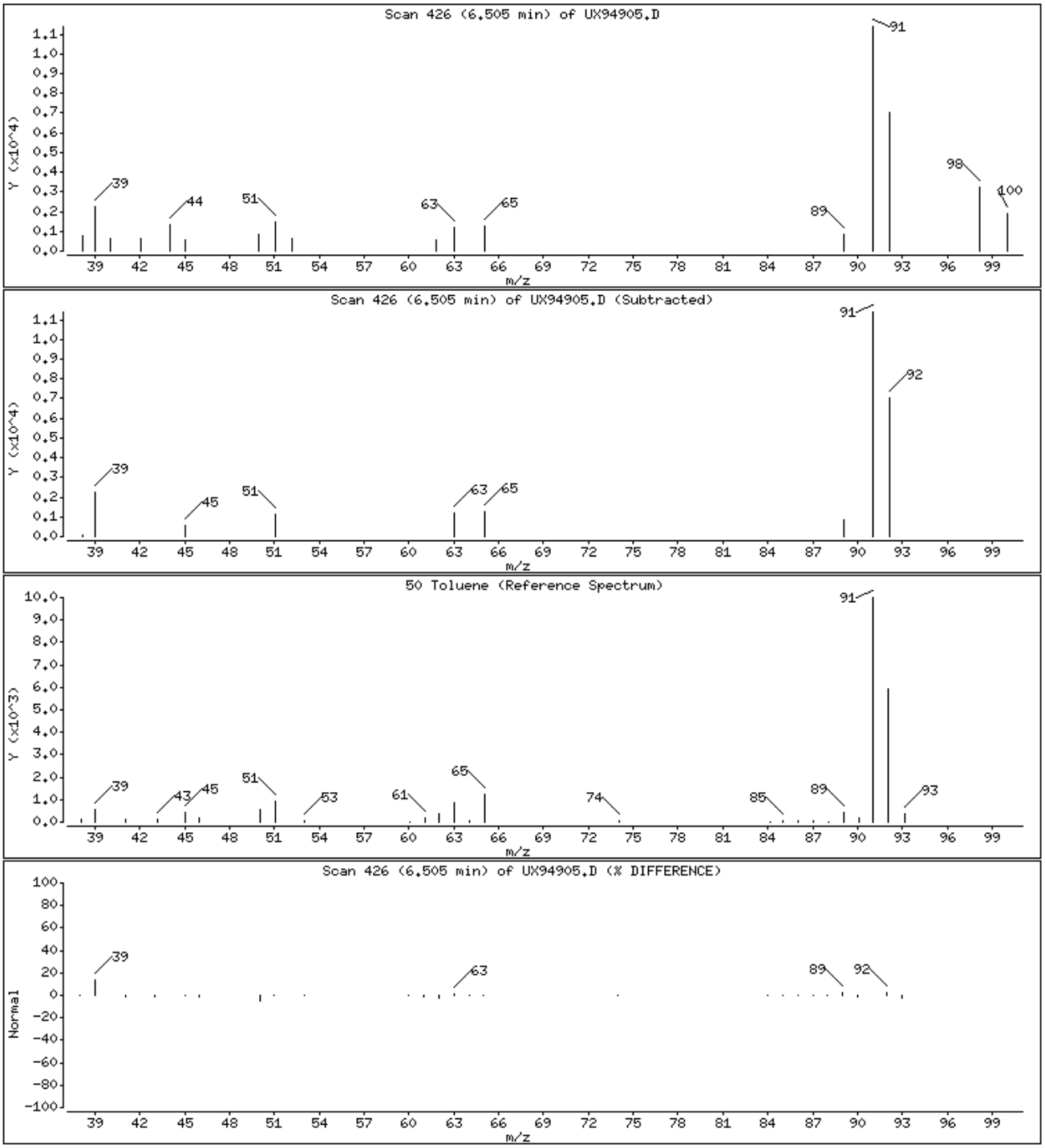
Client ID: TRIP BLANK K135 Instrument: a3ux9.i

Sample Info: HE1DW1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 0.3300 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Start Cal Date: 30-JUN-2005 16:03
End Cal Date : 30-JUN-2005 20:23
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
30-JUN-2005 20:23	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94650.D
30-JUN-2005 18:01	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94644.D
Cal Level: 2 , Cal Amount: 10.00000		
30-JUN-2005 19:59	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94649.D
30-JUN-2005 17:37	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94643.D
Cal Level: 3 , Cal Amount: 25.00000		
30-JUN-2005 19:36	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94648.D
30-JUN-2005 17:14	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94642.D
Cal Level: 4 , Cal Amount: 50.00000		
30-JUN-2005 19:12	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94647.D
30-JUN-2005 16:50	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94641.D
Cal Level: 5 , Cal Amount: 100.00000		
30-JUN-2005 18:48	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94646.D
30-JUN-2005 16:26	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94640.D
Cal Level: 6 , Cal Amount: 250.00000		
30-JUN-2005 18:24	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94645.D
30-JUN-2005 16:03	3-IX	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

30-JUN-2005 19:12	2-8260	
\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94647.D		
30-JUN-2005 16:50	3-IX	
\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94641.D		

Report Date : 30-Jun-2005 20:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2005 16:03
End Cal Date : 30-JUN-2005 20:23
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Last Edit : 30-Jun-2005 20:39 laveyt
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94650.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94649.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94648.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94647.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94646.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94645.D

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD
8	Dichlorodifluoromethane	0.17215	0.16415	0.19062	0.18182	0.19100	0.15186	0.17527	8.866
9	Chloromethane	0.57520	0.53595	0.54114	0.53630	0.53204	0.47958	0.53337	5.761
10	Vinyl Chloride	0.33373	0.32422	0.33574	0.34740	0.36135	0.31343	0.33598	5.026
11	Bromomethane	0.09905	0.12366	0.12610	0.11453	0.11428	0.10453	0.11369	9.248
12	Chloroethane	0.23177	0.21479	0.21327	0.22147	0.20755	0.20308	0.21532	4.751
13	Trichlorofluoromethane	0.14754	0.18926	0.23142	0.23854	0.24669	0.20765	0.21018	17.745
14	Dichlorofluoromethane	0.52785	0.52226	0.54012	0.52129	0.53917	0.49896	0.52494	2.873
15	Acrolein	0.04765	0.04784	0.04916	0.04912	0.05732	0.05415	0.05087	7.757
16	Acetone	+++++	0.29450	0.20289	0.19064	0.18337	0.16681	0.20764	24.214
17	1,1-Dichloroethene	0.42053	0.35246	0.47788	0.45737	0.50056	0.49117	0.44999	12.359
18	Freon-113	0.16720	0.13707	0.16333	0.15619	0.17203	0.17182	0.16127	8.216
19	Iodomethane	0.26281	0.20648	0.19347	0.17954	0.19970	0.18081	0.20380	15.091
20	Carbon Disulfide	0.62187	0.66376	0.80506	0.78149	0.88013	0.88834	0.77344	14.240
21	Methylene Chloride	+++++	0.48421	0.31731	0.28736	0.30717	0.29009	0.33723	24.638
22	Acetonitrile	+++++	0.06886	0.05231	0.05048	0.05662	0.05054	0.05576	13.867
23	Acrylonitrile	0.15598	0.16326	0.15261	0.15196	0.17244	0.16733	0.16060	5.226
24	Methyl tert-butyl ether	0.78510	0.72681	0.75014	0.72603	0.80749	0.78540	0.76350	4.465
25	trans-1,2-Dichloroethene	0.48535	0.40240	0.46275	0.44256	0.48987	0.49308	0.46267	7.621
26	Hexane	0.61666	0.47976	0.56006	0.51239	0.55885	0.56910	0.54947	8.665
27	Vinyl acetate	0.65613	0.67328	0.69186	0.64689	0.78243	0.75886	0.70157	8.005
28	1,1-Dichloroethane	0.53154	0.53825	0.55533	0.52639	0.58294	0.57010	0.55076	4.101
29	tert-Butyl Alcohol	0.02772	0.03757	0.02757	0.02995	0.03133	+++++	0.03083	13.251
30	2-Butanone	0.28177	0.23045	0.24535	0.24248	0.25580	0.24011	0.24933	7.171
M 31	1,2-Dichloroethene (total)	0.49217	0.43570	0.48708	0.46404	0.51622	0.51266	0.48465	6.302
32	cis-1,2-dichloroethene	0.49898	0.46900	0.51141	0.48552	0.54256	0.53223	0.50662	5.505
33	2,2-Dichloropropane	0.31283	0.26415	0.32949	0.31574	0.35752	0.35666	0.32273	10.721
34	Bromochloromethane	0.10473	0.11999	0.12541	0.12067	0.13545	0.13078	0.12284	8.686
35	Chloroform	0.40385	0.40854	0.40886	0.39081	0.42542	0.41217	0.40828	2.758

Report Date : 30-Jun-2005 20:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2005 16:03
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Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Last Edit : 30-Jun-2005 20:39 laveyt
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.28491	0.20346	0.14363	0.14214	0.14380	0.13521	0.17552	33.714	
	37 1,1,1-Trichloroethane	0.32146	0.27517	0.33750	0.31216	0.33984	0.33216	0.31972	7.560	
	38 1,1-Dichloropropene	0.35865	0.31228	0.35670	0.33214	0.36049	0.35296	0.34554	5.582	
	39 Carbon Tetrachloride	0.20964	0.19527	0.22839	0.23121	0.25082	0.25433	0.22828	10.051	
	40 1,2-Dichloroethane	0.44047	0.39068	0.42587	0.39398	0.44344	0.42568	0.42002	5.400	
	41 Benzene	1.37547	1.23933	1.19666	1.11787	1.22254	1.19676	1.22477	6.921	
	42 Trichloroethene	0.31351	0.29639	0.29207	0.27451	0.29612	0.28861	0.29353	4.315	
	43 1,2-Dichloropropane	0.33559	0.34854	0.34210	0.33049	0.35622	0.35364	0.34443	2.957	
	44 1,4-Dioxane	0.00211	0.00455	0.00311	0.00343	0.00355	+++++	0.00335	26.303	<-
	45 Dibromomethane	0.17353	0.14420	0.15050	0.14445	0.15584	0.15218	0.15345	7.052	
	46 Bromodichloromethane	0.25165	0.26013	0.27755	0.26786	0.30248	0.30322	0.27715	7.819	
	47 2-Chloroethyl vinyl ether	0.09337	0.10609	0.08565	0.08745	0.11512	0.12000	0.10128	14.399	
	48 cis-1,3-Dichloropropene	0.27872	0.30189	0.37863	0.37076	0.43396	0.44590	0.36831	18.367	
	49 4-Methyl-2-pentanone	0.43222	0.42434	0.44727	0.43181	0.48808	0.46852	0.44871	5.546	
	50 Toluene	1.76505	1.65131	1.71648	1.63857	1.77594	1.74815	1.71592	3.419	
	51 trans-1,3-Dichloropropene	0.32100	0.31797	0.41400	0.42767	0.49383	0.50798	0.41374	19.713	
	52 Ethyl Methacrylate	0.41171	0.44679	0.49891	0.49680	0.56959	0.54944	0.49554	12.042	
	53 1,1,2-Trichloroethane	0.40864	0.31466	0.33121	0.32013	0.33617	0.33096	0.34030	10.113	
	54 1,3-Dichloropropane	0.60870	0.60473	0.61220	0.57627	0.62900	0.61511	0.60767	2.875	
	55 Tetrachloroethene	0.39506	0.28724	0.31027	0.28963	0.30527	0.30408	0.31526	12.735	
	56 2-Hexanone	0.39994	0.40194	0.45448	0.46692	0.49710	0.46871	0.44818	8.739	
	57 Dibromochloromethane	0.16965	0.16826	0.21351	0.21761	0.25986	0.27662	0.21758	20.574	
	58 1,2-Dibromoethane	0.33985	0.33029	0.32893	0.31075	0.32959	0.32903	0.32807	2.884	
	59 Chlorobenzene	1.33956	1.19073	1.16458	1.09551	1.18175	1.15396	1.18768	6.869	
	60 1,1,1,2-Tetrachloroethane	0.31308	0.26469	0.31646	0.29483	0.32470	0.31666	0.30507	7.254	
	61 Ethylbenzene	1.90172	1.87370	1.93934	1.86155	2.02676	2.02325	1.93772	3.753	
	62 m + p-Xylene	1.50454	1.49258	1.53559	1.47040	1.61653	1.61527	1.53915	4.098	
M	63 Xylenes (total)	1.53859	1.47595	1.54365	1.47698	1.62801	1.62566	1.54814	4.359	
	64 Xylene-o	1.60667	1.44270	1.55976	1.49012	1.65097	1.64644	1.56611	5.444	
	65 Styrene	1.06865	1.13170	1.23940	1.24397	1.37853	1.38956	1.24197	10.352	
	66 Bromoform	+++++	0.06117	0.09374	0.10096	0.13415	0.15188	0.10838	32.798	<-
	67 Isopropylbenzene	1.75320	1.64626	1.76276	1.73577	1.89647	1.90004	1.78241	5.543	
	68 1,1,2,2-Tetrachloroethane	0.82048	0.84475	0.83527	0.83872	0.90573	0.85888	0.85064	3.497	
	69 1,4-Dichloro-2-butene	+++++	0.09338	0.01955	0.03585	0.07672	0.13729	0.07256	64.638	<-
	70 1,2,3-Trichloropropane	0.29344	0.31194	0.28655	0.25330	0.28764	0.26564	0.28309	7.349	
	71 Bromobenzene	0.88670	0.90273	0.92250	0.81931	0.90174	0.84100	0.87900	4.562	

Report Date : 30-Jun-2005 20:48

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Start Cal Date : 30-JUN-2005 16:03
End Cal Date : 30-JUN-2005 20:23
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Last Edit : 30-Jun-2005 20:39 laveyt
Curve Type : Average

Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	___ RRF	% RSD	
72 n-Propylbenzene	4.22203	4.15802	4.48664	4.23096	4.67863	4.50728	4.38059	4.714	
73 2-Chlorotoluene	0.86803	0.92088	0.93724	0.85658	0.94375	0.90036	0.90447	3.994	
74 1,3,5-Trimethylbenzene	2.70979	2.78936	3.08311	2.93826	3.22373	3.11735	2.97693	6.717	
75 4-Chlorotoluene	0.97010	1.02117	0.97881	0.92021	0.99766	0.92585	0.96897	4.098	
76 tert-Butylbenzene	2.53857	2.49481	2.74562	2.59399	2.83956	2.68081	2.64889	4.941	
77 1,2,4-Trimethylbenzene	2.80128	2.98266	3.07502	2.99738	3.28710	3.22189	3.06089	5.749	
78 sec-Butylbenzene	3.78287	3.60832	4.00033	3.83048	4.19775	4.15632	3.92934	5.836	
79 4-Isopropyltoluene	2.97037	2.88225	3.26041	3.09706	3.42207	3.38157	3.16896	6.977	
80 1,3-Dichlorobenzene	1.90263	1.93908	1.75948	1.65258	1.79557	1.71616	1.79425	6.110	
81 1,4-Dichlorobenzene	1.98954	2.02999	1.85537	1.71430	1.84567	1.78331	1.86970	6.438	
82 n-Butylbenzene	2.62116	2.63400	2.96976	2.73657	3.01881	3.11832	2.84977	7.472	
83 1,2-Dichlorobenzene	1.70971	1.78966	1.67544	1.60052	1.69042	1.67057	1.68939	3.641	
84 1,2-Dibromo-3-chloropropane	0.10396	0.06693	0.10029	0.10483	0.12964	0.13602	0.10694	22.977	
85 1,2,4-Trichlorobenzene	1.15332	1.19072	1.10802	1.04100	1.11238	0.98203	1.09791	6.896	
86 Hexachlorobutadiene	0.48132	0.42275	0.47345	0.41272	0.44114	0.40175	0.43885	7.436	
87 Naphthalene	2.08281	2.20347	2.46802	2.20161	2.53248	2.29899	2.29790	7.498	
88 1,2,3-Trichlorobenzene	1.11788	1.09769	1.03086	0.97594	0.99727	0.87069	1.01505	8.849	
89 Ethyl Ether	0.26378	0.27093	0.30173	0.29694	0.31188	0.29294	0.28970	6.410	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91 3-Chloropropene	0.07957	0.06740	0.09801	0.10999	0.11987	0.12518	0.10001	22.860	
92 Isopropyl Ether	0.25488	0.24513	0.25980	0.26181	0.27748	0.26905	0.26136	4.285	
93 2-Chloro-1,3-butadiene	0.49058	0.48622	0.57308	0.55664	0.63228	0.60953	0.55806	10.781	
94 Propionitrile	0.04065	0.04856	0.05275	0.05653	0.06509	0.05879	0.05373	15.820	
95 Ethyl Acetate	0.44049	0.41600	0.41902	0.41260	0.45689	0.43221	0.42954	3.973	
96 Methacrylonitrile	0.22746	0.30731	0.26045	0.27012	0.31013	0.28041	0.27598	11.223	
97 Isobutanol	0.01588	0.01675	0.01619	0.01485	0.01905	0.01471	0.01624	9.746	
98 Cyclohexane	0.76653	0.54908	0.71950	0.65010	0.71588	0.71886	0.68666	11.208	
99 n-Butanol	0.01387	0.01528	0.01100	0.01126	0.01404	0.00998	0.01257	16.733	<-
100 Methyl Methacrylate	0.32596	0.32940	0.37540	0.37319	0.42545	0.40204	0.37191	10.556	
101 2-Nitropropane	0.04988	0.05459	0.05753	0.06268	0.07815	0.07924	0.06368	19.404	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Cyclohexanone	+++++	0.04304	0.03707	0.03700	0.04366	0.03167	0.03849	12.878	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 30-Jun-2005 20:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 30-JUN-2005 16:03
End Cal Date : 30-JUN-2005 20:23
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Last Edit : 30-Jun-2005 20:39 laveyt
Curve Type : Average

	Compound	2.500 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	250.000 Level 6	RRF	% RSD	
	136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M	137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	141 1,3,5-Trichlorobenzene	1.37238	1.28469	1.21697	1.15967	1.24069	1.16014	1.23909	6.544	
	143 Methyl Acetate	0.37700	0.38059	0.34833	0.32993	0.37053	0.35054	0.35949	5.496	
	144 Methylcyclohexane	0.57230	0.42068	0.52820	0.47744	0.52169	0.53418	0.50908	10.382	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	146 2-Methylnaphthalene	0.54348	0.60282	0.76290	0.80854	0.93936	0.81002	0.74452	19.665	
	147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	4 Dibromofluoromethane	+++++	0.20823	0.21260	0.17333	0.19504	0.19424	0.19669	7.798	
$	5 1,2-Dichloroethane-d4	+++++	0.30745	0.28946	0.22850	0.27270	0.27259	0.27414	10.685	
$	6 Toluene-d8	+++++	1.40625	1.33313	1.14549	1.26745	1.27378	1.28522	7.475	
$	7 Bromofluorobenzene	+++++	0.54527	0.51667	0.44818	0.50251	0.50064	0.50265	7.023	

port Date : 30-Jun-2005 21:34

THIS ICAL IS NOT USED FOR 1,4-DICHLORO-2-BUTENE
K 6-30-5

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 30-JUN-2005 16:03
d Cal Date : 30-JUN-2005 20:23
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
st Edit : 30-Jun-2005 21:29 laveyt

libration File Names:
vel 1: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94650.D
vel 2: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94649.D
vel 3: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94648.D
vel 4: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94647.D
vel 5: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94646.D
vel 6: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94645.D

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	0.17215	0.16415	0.19062	0.18182	0.19100	0.15186	AVRG		0.17527		8.86611
9 Chloromethane	0.57520	0.53595	0.54114	0.53630	0.53204	0.47958	AVRG		0.53337		5.76072
10 Vinyl Chloride	0.33373	0.32422	0.33574	0.34740	0.36135	0.31343	AVRG		0.33598		5.02618
11 Bromomethane	0.09905	0.12366	0.12610	0.11453	0.11428	0.10453	AVRG		0.11369		9.24836
12 Chloroethane	0.23177	0.21479	0.21327	0.22147	0.20755	0.20308	AVRG		0.21532		4.75052
13 Trichlorofluoromethane	6769	17782	110522	232875	468611	979009	LINR	-0.07303	0.21040		0.99371
14 Dichlorofluoromethane	0.52785	0.52226	0.54012	0.52129	0.53917	0.49896	AVRG		0.52494		2.87272
15 Acrolein	0.04765	0.04784	0.04916	0.04912	0.05732	0.05415	AVRG		0.05087		7.75705
16 Acetone	+++++	55341	193797	372236	696673	1572936	LINR	-0.27940	0.16372		0.99892
17 1,1-Dichloroethene	0.42053	0.35246	0.47788	0.45737	0.50056	0.49117	AVRG		0.44999		12.35943
18 Freon-113	0.16720	0.13707	0.16333	0.15619	0.17203	0.17182	AVRG		0.16127		8.21569
19 Iodomethane	12057	19400	92400	175273	379350	852480	LINR	-0.03985	0.18152		0.99815
20 Carbon Disulfide	0.62187	0.66376	0.80506	0.78149	0.88013	0.88834	AVRG		0.77344		14.24021
21 Methylene Chloride	+++++	45495	151545	280534	583510	1367661	LINR	-0.05779	0.28791		0.99936

port Date : 30-Jun-2005 21:34

STL North Canton

INITIAL CALIBRATION DATA

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ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
st Edit : 30-Jun-2005 21:29 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	+++++	0.06886	0.05231	0.05048	0.05662	0.05054	AVRG		0.05576		13.86733
23 Acrylonitrile	0.15598	0.16326	0.15261	0.15196	0.17244	0.16733	AVRG		0.16060		5.22624
24 Methyl tert-butyl ether	0.78510	0.72681	0.75014	0.72603	0.80749	0.78540	AVRG		0.76350		4.46483
25 trans-1,2-Dichloroethene	0.48535	0.40240	0.46275	0.44256	0.48987	0.49308	AVRG		0.46267		7.62128
26 Hexane	0.61666	0.47976	0.56006	0.51239	0.55885	0.56910	AVRG		0.54947		8.66477
27 Vinyl acetate	0.65613	0.67328	0.69186	0.64689	0.78243	0.75886	AVRG		0.70157		8.00482
28 1,1-Dichloroethane	0.53154	0.53825	0.55533	0.52639	0.58294	0.57010	AVRG		0.55076		4.10051
29 tert-Butyl Alcohol	0.02772	0.03757	0.02757	0.02995	0.03133	+++++	AVRG		0.03083		13.25051
30 2-Butanone	0.28177	0.23045	0.24535	0.24248	0.25580	0.24011	AVRG		0.24933		7.17113
31 1,2-Dichloroethene (total)	0.49217	0.43570	0.48708	0.46404	0.51622	0.51266	AVRG		0.48465		6.30181
32 cis-1,2-dichloroethene	0.49898	0.46900	0.51141	0.48552	0.54256	0.53223	AVRG		0.50662		5.50523
33 2,2-Dichloropropane	0.31283	0.26415	0.32949	0.31574	0.35752	0.35666	AVRG		0.32273		10.72092
34 Bromochloromethane	0.10473	0.11999	0.12541	0.12067	0.13545	0.13078	AVRG		0.12284		8.68593
35 Chloroform	0.40385	0.40854	0.40886	0.39081	0.42542	0.41217	AVRG		0.40828		2.75848
36 Tetrahydrofuran	13071	19117	68595	138765	273162	637481	LINR	-0.06249	0.13432		0.99955
37 1,1,1-Trichloroethane	0.32146	0.27517	0.33750	0.31216	0.33984	0.33216	AVRG		0.31972		7.56004
38 1,1-Dichloropropene	0.35865	0.31228	0.35670	0.33214	0.36049	0.35296	AVRG		0.34554		5.58246
39 Carbon Tetrachloride	0.20964	0.19527	0.22839	0.23121	0.25082	0.25433	AVRG		0.22828		10.05142
40 1,2-Dichloroethane	0.44047	0.39068	0.42587	0.39398	0.44344	0.42568	AVRG		0.42002		5.39997
41 Benzene	1.37547	1.23933	1.19666	1.11787	1.22254	1.19676	AVRG		1.22477		6.92139
42 Trichloroethene	0.31351	0.29639	0.29207	0.27451	0.29612	0.28861	AVRG		0.29353		4.31489
43 1,2-Dichloropropane	0.33559	0.34854	0.34210	0.33049	0.35622	0.35364	AVRG		0.34443		2.95720

port Date : 30-Jun-2005 21:34

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 30-JUN-2005 16:03
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ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
st Edit : 30-Jun-2005 21:29 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	4830	21394	74196	167228	337368	+++++	LINR	0.97987	0.00356		0.99817	<-
45 Dibromomethane	0.17353	0.14420	0.15050	0.14445	0.15584	0.15218	AVRG		0.15345		7.05200	
46 Bromodichloromethane	0.25165	0.26013	0.27755	0.26786	0.30248	0.30322	AVRG		0.27715		7.81889	
47 2-Chloroethyl vinyl ether	0.09337	0.10609	0.08565	0.08745	0.11512	0.12000	AVRG		0.10128		14.39883	
48 cis-1,3-Dichloropropene	12787	28365	180828	361954	824351	2102253	LINR	0.07354	0.45093		0.99911	
49 4-Methyl-2-pentanone	0.43222	0.42434	0.44727	0.43181	0.48808	0.46852	AVRG		0.44871		5.54552	
50 Toluene	1.76505	1.65131	1.71648	1.63857	1.77594	1.74815	AVRG		1.71592		3.41926	
51 trans-1,3-Dichloropropene	11105	22205	149313	316604	721493	1860420	LINR	0.07690	0.51414		0.99922	
52 Ethyl Methacrylate	0.41171	0.44679	0.49891	0.49680	0.56959	0.54944	AVRG		0.49554		12.04244	
53 1,1,2-Trichloroethane	0.40864	0.31466	0.33121	0.32013	0.33617	0.33096	AVRG		0.34030		10.11305	
54 1,3-Dichloropropane	0.60870	0.60473	0.61220	0.57627	0.62900	0.61511	AVRG		0.60767		2.87517	
55 Tetrachloroethene	0.39506	0.28724	0.31027	0.28963	0.30527	0.30408	AVRG		0.31526		12.73467	
56 2-Hexanone	0.39994	0.40194	0.45448	0.46692	0.49710	0.46871	AVRG		0.44818		8.73940	
57 Dibromochloromethane	5869	11750	77003	161101	379659	1013095	LINR	0.10278	0.28040		0.99837	
58 1,2-Dibromoethane	0.33985	0.33029	0.32893	0.31075	0.32959	0.32903	AVRG		0.32807		2.88352	
59 Chlorobenzene	1.33956	1.19073	1.16458	1.09551	1.18175	1.15396	AVRG		1.18768		6.86880	
60 1,1,1,2-Tetrachloroethane	0.31308	0.26469	0.31646	0.29483	0.32470	0.31666	AVRG		0.30507		7.25419	
61 Ethylbenzene	1.90172	1.87370	1.93934	1.86155	2.02676	2.02325	AVRG		1.93772		3.75304	
62 m + p-Xylene	1.50454	1.49258	1.53559	1.47040	1.61653	1.61527	AVRG		1.53915		4.09753	
63 Xylenes (total)	1.53859	1.47595	1.54365	1.47698	1.62801	1.62566	AVRG		1.54814		4.35949	
64 Xylene-o	1.60667	1.44270	1.55976	1.49012	1.65097	1.64644	AVRG		1.56611		5.44391	
65 Styrene	1.06865	1.13170	1.23940	1.24397	1.37853	1.38956	AVRG		1.24197		10.35153	

port Date : 30-Jun-2005 21:34

STL North Canton

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art Cal Date : 30-JUN-2005 16:03
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ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
st Edit : 30-Jun-2005 21:29 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
66 Bromoform	+++++	4272	33809	74738	195992	556254	LINR	0.21842	0.15739		0.99661	<-
67 Isopropylbenzene	1.75320	1.64626	1.76276	1.73577	1.89647	1.90004	AVRG		1.78241		5.54254	
68 1,1,2,2-Tetrachloroethane	0.82048	0.84475	0.83527	0.83872	0.90573	0.85888	AVRG		0.85064		3.49733	
69 1,4-Dichloro-2-butene	+++++	0.09338	0.01955	0.03585	0.07672	0.13729	AVRG		0.07256		64.63814	<-
70 1,2,3-Trichloropropane	0.29344	0.31194	0.28655	0.25330	0.28764	0.26564	AVRG		0.28309		7.34891	
71 Bromobenzene	0.88670	0.90273	0.92250	0.81931	0.90174	0.84100	AVRG		0.87900		4.56183	
72 n-Propylbenzene	4.22203	4.15802	4.48664	4.23096	4.67863	4.50728	AVRG		4.38059		4.71372	
73 2-Chlorotoluene	0.86803	0.92088	0.93724	0.85658	0.94375	0.90036	AVRG		0.90447		3.99375	
74 1,3,5-Trimethylbenzene	2.70979	2.78936	3.08311	2.93826	3.22373	3.11735	AVRG		2.97693		6.71742	
75 4-Chlorotoluene	0.97010	1.02117	0.97881	0.92021	0.99766	0.92585	AVRG		0.96897		4.09802	
76 tert-Butylbenzene	2.53857	2.49481	2.74562	2.59399	2.83956	2.68081	AVRG		2.64889		4.94109	
77 1,2,4-Trimethylbenzene	2.80128	2.98266	3.07502	2.99738	3.28710	3.22189	AVRG		3.06089		5.74928	
78 sec-Butylbenzene	3.78287	3.60832	4.00033	3.83048	4.19775	4.15632	AVRG		3.92934		5.83550	
79 4-Isopropyltoluene	2.97037	2.88225	3.26041	3.09706	3.42207	3.38157	AVRG		3.16896		6.97721	
80 1,3-Dichlorobenzene	1.90263	1.93908	1.75948	1.65258	1.79557	1.71616	AVRG		1.79425		6.11049	
81 1,4-Dichlorobenzene	1.98954	2.02999	1.85537	1.71430	1.84567	1.78331	AVRG		1.86970		6.43806	
82 n-Butylbenzene	2.62116	2.63400	2.96976	2.73657	3.01881	3.11832	AVRG		2.84977		7.47225	
83 1,2-Dichlorobenzene	1.70971	1.78966	1.67544	1.60052	1.69042	1.67057	AVRG		1.68939		3.64077	
84 1,2-Dibromo-3-chloropropane	1810	2297	18148	40256	97588	264641	LINR	0.10788	0.13823		0.99820	
85 1,2,4-Trichlorobenzene	1.15332	1.19072	1.10802	1.04100	1.11238	0.98203	AVRG		1.09791		6.89613	
86 Hexachlorobutadiene	0.48132	0.42275	0.47345	0.41272	0.44114	0.40175	AVRG		0.43885		7.43602	
87 Naphthalene	2.08281	2.20347	2.46802	2.20161	2.53248	2.29899	AVRG		2.29790		7.49779	

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STL North Canton

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thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
st Edit : 30-Jun-2005 21:29 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	1.11788	1.09769	1.03086	0.97594	0.99727	0.87069	AVRG		1.01505		8.84895	
89 Ethyl Ether	0.26378	0.27093	0.30173	0.29694	0.31188	0.29294	AVRG		0.28970		6.40959	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	3578	6157	46542	104494	237211	672624	LINR	0.07893	0.12663		0.99945	
92 Isopropyl Ether	0.25488	0.24513	0.25980	0.26181	0.27748	0.26905	AVRG		0.26136		4.28461	
93 2-Chloro-1,3-butadiene	0.49058	0.48622	0.57308	0.55664	0.63228	0.60953	AVRG		0.55806		10.78143	
94 Propionitrile	3656	8872	50101	107403	257625	631754	LINR	0.01381	0.05970		0.99747	
95 Ethyl Acetate	0.44049	0.41600	0.41902	0.41260	0.45689	0.43221	AVRG		0.42954		3.97323	
96 Methacrylonitrile	0.22746	0.30731	0.26045	0.27012	0.31013	0.28041	AVRG		0.27598		11.22325	
97 Isobutanol	0.01588	0.01675	0.01619	0.01485	0.01905	0.01471	AVRG		0.01624		9.74568	
98 Cyclohexane	0.76653	0.54908	0.71950	0.65010	0.71588	0.71886	AVRG		0.68666		11.20772	
99 n-Butanol	9660	20853	77816	160335	411861	801132	QUAD	2.45857	44.41510	52.44527	0.99266	<-
100 Methyl Methacrylate	0.32596	0.32940	0.37540	0.37319	0.42545	0.40204	AVRG		0.37191		10.55574	
101 2-Nitropropane	4486	9973	54640	119085	309285	851562	LINR	0.18710	0.08059		0.99834	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++	0.04304	0.03707	0.03700	0.04366	0.03167	AVRG		0.03849		12.87761	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

port Date : 30-Jun-2005 21:34

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 30-JUN-2005 16:03
d Cal Date : 30-JUN-2005 20:23
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
st Edit : 30-Jun-2005 21:29 laveyt

Compound	2.5000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	250.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.37238	1.28469	1.21697	1.15967	1.24069	1.16014	AVRG		1.23909		6.54442	
143 Methyl Acetate	0.37700	0.38059	0.34833	0.32993	0.37053	0.35054	AVRG		0.35949		5.49629	
144 Methylcyclohexane	0.57230	0.42068	0.52820	0.47744	0.52169	0.53418	AVRG		0.50908		10.38190	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	45804	99600	668881	1457955	3368099	7316756	LINR	-0.06144	0.82605		0.99513	
147 Allyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	+++++	19565	101536	169212	370508	915763	LINR	0.01163	0.19454		0.99913	
5 1,2-Dichloroethane-d4	+++++	28887	138245	223071	518036	1285193	LINR	0.03244	0.27405		0.99844	
6 Toluene-d8	+++++	98203	480806	848012	1851758	4665100	LINR	0.01915	1.27659		0.99938	
7 Bromofluorobenzene	+++++	38078	186340	331790	734167	1833552	LINR	0.02039	0.50238		0.99934	

port Date : 30-Jun-2005 21:34

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 30-JUN-2005 16:03
d Cal Date : 30-JUN-2005 20:23
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
st Edit : 30-Jun-2005 21:29 laveyt

urve	Formula	Units
veraged	Amt = Rsp/m1	Response
inear	Amt = b + Rsp/m1	Response
uad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94645.D
Report Date: 30-Jun-2005 18:40

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94645.D
Lab Smp Id: 250NG-IC
Inj Date : 30-JUN-2005 18:24
Operator : 1903 Inst ID: a3ux9.i
Smp Info : 250NG-IC
Misc Info : N50630A,8260MIUX9,2-8260.SUB,1903,1,6
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Meth Date : 30-Jun-2005 18:40 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 18:24 Cal File: UX94645.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	5.097	5.097	(1.000)	942936	50.0000	
*	2 Chlorobenzene-d5	117	7.747	7.747	(1.000)	732480	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.983	9.983	(1.000)	389131	50.0000	
$	4 Dibromofluoromethane	113	4.540	4.540	(0.891)	915763	250.000	250.00(A)
$	5 1,2-Dichloroethane-d4	65	4.813	4.813	(0.944)	1285193	250.000	250.00(A)
$	6 Toluene-d8	98	6.445	6.445	(0.832)	4665100	250.000	250.00(A)
$	7 Bromofluorobenzene	95	8.848	8.848	(1.142)	1833552	250.000	250.00
	8 Dichlorodifluoromethane	85	1.547	1.547	(0.304)	715973	250.000	250.00
	9 Chloromethane	50	1.689	1.689	(0.331)	2261066	250.000	250.00
	10 Vinyl Chloride	62	1.783	1.783	(0.350)	1477733	250.000	250.00
	11 Bromomethane	94	2.044	2.044	(0.401)	492838	250.000	250.00
	12 Chloroethane	64	2.138	2.138	(0.420)	957442	250.000	250.00
	13 Trichlorofluoromethane	101	2.340	2.340	(0.459)	979009	250.000	250.00
	15 Acrolein	56	2.659	2.659	(0.522)	2552961	2500.00	2500.0(A)
	16 Acetone	43	2.777	2.777	(0.545)	1572936	500.000	500.00(A)
	17 1,1-Dichloroethene	61	2.754	2.754	(0.540)	2315692	250.000	250.00
	18 Freon-113	151	2.754	2.754	(0.540)	810092	250.000	250.00
	19 Iodomethane	142	2.884	2.884	(0.566)	852480	250.000	250.00(A)
	20 Carbon Disulfide	76	2.955	2.955	(0.580)	4188222	250.000	250.00
	21 Methylene Chloride	84	3.144	3.144	(0.617)	1367661	250.000	250.00
	22 Acetonitrile	41	3.002	3.002	(0.589)	2383034	2500.00	2500.0(A)
	23 Acrylonitrile	53	3.322	3.322	(0.652)	7889127	2500.00	2500.0(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94645.D
Report Date: 30-Jun-2005 18:40

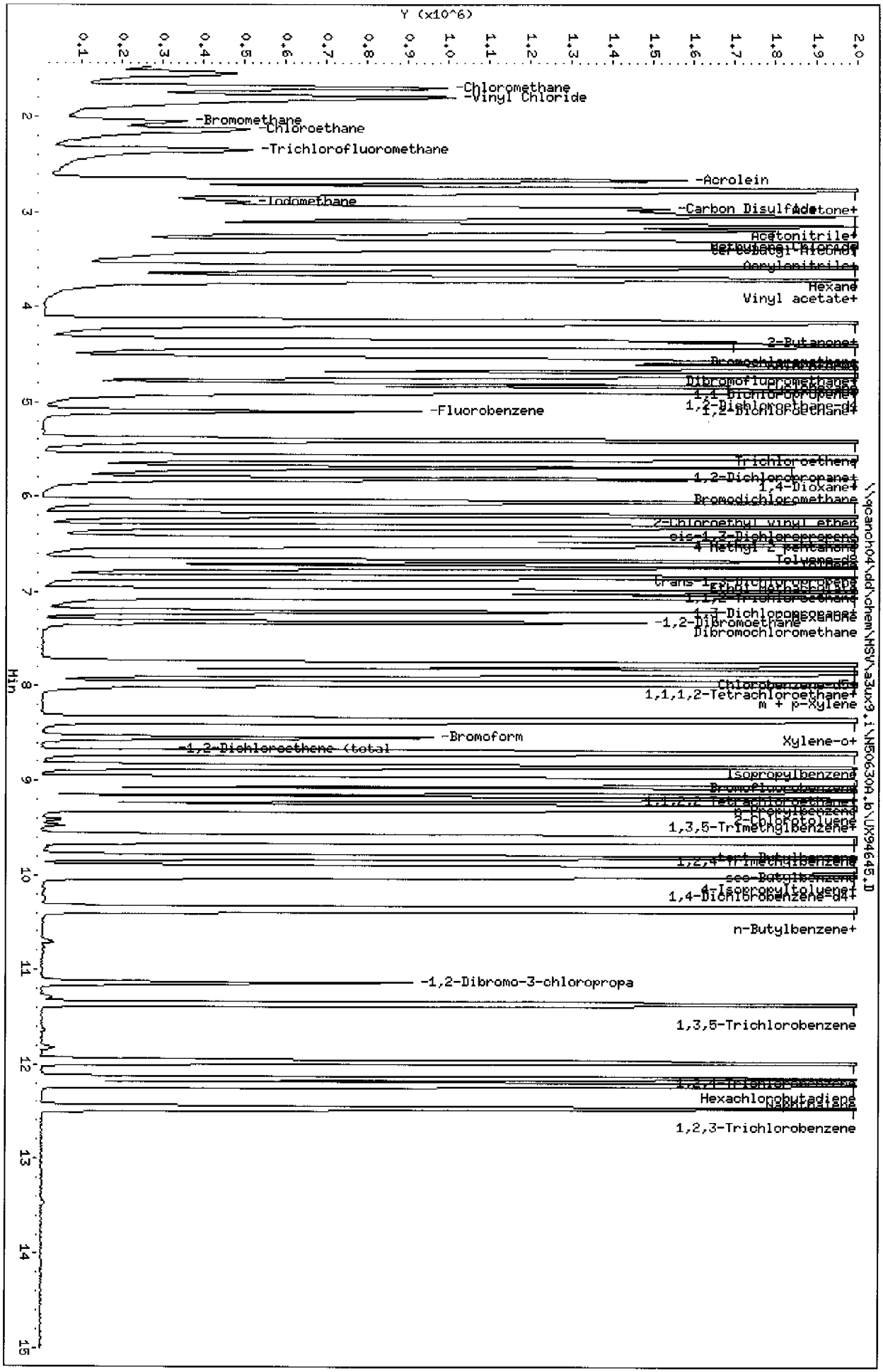
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.345	3.345	(0.656)	3702929	250.000	250.00
	25 trans-1,2-Dichloroethene	61	3.357	3.357	(0.659)	2324721	250.000	250.00
	26 Hexane	57	3.570	3.570	(0.701)	2683147	250.000	250.00
	27 Vinyl acetate	43	3.712	3.712	(0.728)	3577789	250.000	250.00
	28 1,1-Dichloroethane	63	3.688	3.688	(0.724)	2687839	250.000	250.00
	29 tert-Butyl Alcohol	59	3.191	3.191	(0.626)	1872057	5000.00	5000.0(A)
	30 2-Butanone	43	4.150	4.150	(0.814)	2264079	500.000	500.00(A)
M	31 1,2-Dichloroethene (total)	61				4834035	500.000	500.00
	32 cis-1,2-dichloroethene	61	4.162	4.162	(0.817)	2509314	250.000	250.00
	33 2,2-Dichloropropane	77	4.162	4.162	(0.817)	1681551	250.000	250.00
	34 Bromochloromethane	128	4.351	4.351	(0.854)	616563	250.000	250.00
	35 Chloroform	83	4.410	4.410	(0.865)	1943259	250.000	250.00
	36 Tetrahydrofuran	42	4.387	4.387	(0.861)	637481	250.000	250.00
	37 1,1,1-Trichloroethane	97	4.576	4.576	(0.898)	1566050	250.000	250.00
	38 1,1-Dichloropropene	75	4.706	4.706	(0.923)	1664086	250.000	250.00
	39 Carbon Tetrachloride	117	4.718	4.718	(0.926)	1199102	250.000	250.00(A)
	40 1,2-Dichloroethane	62	4.872	4.872	(0.956)	2006968	250.000	250.00
	41 Benzene	78	4.872	4.872	(0.956)	5642346	250.000	250.00
	42 Trichloroethene	130	5.404	5.404	(1.060)	1360692	250.000	250.00(A)
	43 1,2-Dichloropropane	63	5.582	5.582	(1.095)	1667280	250.000	250.00(A)
	44 1,4-Dioxane	88	5.700	5.700	(1.118)	296969	12500.0	12500(A)
	45 Dibromomethane	93	5.688	5.688	(1.116)	717493	250.000	250.00
	46 Bromodichloromethane	83	5.818	5.818	(1.142)	1429562	250.000	250.00(A)
	47 2-Chloroethyl vinyl ether	63	6.055	6.055	(1.188)	1131557	500.000	500.00(A)
	48 cis-1,3-Dichloropropene	75	6.197	6.197	(1.216)	2102253	250.000	250.00
	49 4-Methyl-2-pentanone	43	6.315	6.315	(1.239)	4417865	500.000	500.00(A)
	50 Toluene	91	6.505	6.505	(0.840)	6402412	250.000	250.00(A)
	51 trans-1,3-Dichloropropene	75	6.682	6.682	(0.863)	1860420	250.000	250.00
	52 Ethyl Methacrylate	69	6.741	6.741	(0.870)	2012274	250.000	250.00
	53 1,1,2-Trichloroethane	97	6.848	6.848	(0.884)	1212112	250.000	250.00(A)
	54 1,3-Dichloropropane	76	7.002	7.002	(0.904)	2252793	250.000	250.00(A)
	55 Tetrachloroethene	164	7.002	7.002	(0.904)	1113664	250.000	250.00
	56 2-Hexanone	43	7.049	7.049	(0.910)	3433217	500.000	500.00(A)
	57 Dibromochloromethane	129	7.215	7.215	(0.931)	1013095	250.000	250.00(A)
	58 1,2-Dibromoethane	107	7.321	7.321	(0.945)	1205032	250.000	250.00
	59 Chlorobenzene	112	7.771	7.771	(1.003)	4226263	250.000	250.00
	60 1,1,1,2-Tetrachloroethane	131	7.842	7.842	(1.012)	1159736	250.000	250.00
	61 Ethylbenzene	91	7.865	7.865	(1.015)	7409944	250.000	250.00
	62 m + p-Xylene	91	7.972	7.972	(1.029)	11831531	500.000	500.00(A)
M	63 Xylenes (total)	91				17861443	750.000	750.00
	64 Xylene-o	91	8.351	8.351	(1.078)	6029912	250.000	250.00
	65 Styrene	104	8.362	8.362	(1.079)	5089125	250.000	250.00(A)
	66 Bromoform	173	8.540	8.540	(1.102)	556254	250.000	250.00
	67 Isopropylbenzene	105	8.706	8.706	(1.124)	6958694	250.000	250.00
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.978	(0.899)	1671091	250.000	250.00
	69 1,4-Dichloro-2-butene	53	9.025	9.025	(0.904)	267122	250.000	250.00
	70 1,2,3-Trichloropropane	110	9.025	9.025	(0.904)	516853	250.000	250.00
	71 Bromobenzene	156	9.001	9.001	(0.902)	1636288	250.000	250.00
	72 n-Propylbenzene	91	9.096	9.096	(0.911)	8769605	250.000	250.00
	73 2-Chlorotoluene	126	9.191	9.191	(0.921)	1751792	250.000	250.00
	74 1,3,5-Trimethylbenzene	105	9.262	9.262	(0.928)	6065290	250.000	250.00
	75 4-Chlorotoluene	126	9.297	9.297	(0.931)	1801376	250.000	250.00
	76 tert-Butylbenzene	119	9.593	9.593	(0.961)	5215940	250.000	250.00
	77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	6268696	250.000	250.00

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94645.D
Report Date: 30-Jun-2005 18:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
78	sec-Butylbenzene	105	9.806	9.806	(0.982)	8086768	250.000	250.00
79	4-Isopropyltoluene	119	9.948	9.948	(0.996)	6579369	250.000	250.00
80	1,3-Dichlorobenzene	146	9.924	9.924	(0.994)	3339046	250.000	250.00
81	1,4-Dichlorobenzene	146	10.007	10.007	(1.002)	3469713	250.000	250.00
82	n-Butylbenzene	91	10.350	10.350	(1.037)	6067176	250.000	250.00(A)
83	1,2-Dichlorobenzene	146	10.374	10.374	(1.039)	3250351	250.000	250.00
84	1,2-Dibromo-3-chloropropane	157	11.143	11.143	(1.116)	264641	250.000	250.00
85	1,2,4-Trichlorobenzene	180	11.971	11.971	(1.199)	1910690	250.000	250.00
86	Hexachlorobutadiene	225	12.149	12.149	(1.217)	781658	250.000	250.00
87	Naphthalene	128	12.220	12.220	(1.224)	4473043	250.000	250.00
88	1,2,3-Trichlorobenzene	180	12.457	12.457	(1.248)	1694054	250.000	250.00(A)
98	Cyclohexane	56	4.623	4.623	(0.907)	3389197	250.000	250.00(A)
143	Methyl Acetate	43	3.038	3.038	(0.596)	3305343	500.000	500.00(A)
144	Methylcyclohexane	83	5.582	5.582	(1.095)	2518467	250.000	250.00
141	1,3,5-Trichlorobenzene	180	11.356	11.356	(1.137)	2257237	250.000	250.00(A)

QC Flag Legend

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


Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Carbon Disulfide
Acetone+
Acetonitrile+
Hexane
Vinyl acetate+
2-Butanone+
-Fluorobenzene
1,2-Dichloroethane+
Trichloroethene
1,2-Dichloropropane+
1,4-Dioxane+
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
1,1,2-Trichloroethane
-1,2-Dibromoethane
Dibromochloromethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
4-Isopropyltoluene+
1,4-Dichlorobenzene-d4
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
Hexachlorobutadiene
1,2,3-Trichlorobenzene
Data File: \\qcanoh04\dd\chem\MSV\a3ux9,i\N506304.b\UX94645.D
Date : 30-JUN-2005 18:24
Client ID:
Sample Info: 250NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9,i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux9,i\N506304.b\UX94645.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94646.D
Report Date: 30-Jun-2005 19:05

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94646.D
Lab Smp Id: 100NG-IC
Inj Date : 30-JUN-2005 18:48
Operator : 1903 Inst ID: a3ux9.i
Smp Info : 100NG-IC
Misc Info : N50630A,8260MIUX9,2-8260.SUB,1903,1,5
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Meth Date : 30-Jun-2005 19:04 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 18:48 Cal File: UX94646.D
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	5.098	5.098	(1.000)	949811	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.749	(1.000)	730505	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	376379	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	370508	100.000	100.21
$ 5 1,2-Dichloroethane-d4	65	4.814	4.814	(0.944)	518036	100.000	100.02
$ 6 Toluene-d8	98	6.435	6.435	(0.831)	1851758	100.000	99.751
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	734167	100.000	100.18
8 Dichlorodifluoromethane	85	1.548	1.548	(0.304)	362827	100.000	111.42
9 Chloromethane	50	1.690	1.690	(0.332)	1010680	100.000	105.18
10 Vinyl Chloride	62	1.785	1.785	(0.350)	686430	100.000	107.10
11 Bromomethane	94	2.045	2.045	(0.401)	217088	100.000	104.45
12 Chloroethane	64	2.128	2.128	(0.417)	394258	100.000	101.09
13 Trichlorofluoromethane	101	2.341	2.341	(0.459)	468611	100.000	108.59
15 Acrolein	56	2.661	2.661	(0.522)	1088865	1000.00	1028.4(A)
16 Acetone	43	2.779	2.779	(0.545)	696673	200.000	209.46
17 1,1-Dichloroethene	61	2.755	2.755	(0.540)	950884	100.000	100.95
18 Freon-113	151	2.755	2.755	(0.540)	326783	100.000	100.06
19 Iodomethane	142	2.885	2.885	(0.566)	379350	100.000	104.96
20 Carbon Disulfide	76	2.956	2.956	(0.580)	1671917	100.000	99.536
21 Methylene Chloride	84	3.146	3.146	(0.617)	583510	100.000	102.86
22 Acetonitrile	41	3.004	3.004	(0.589)	1075527	1000.00	1056.7(A)
23 Acrylonitrile	53	3.323	3.323	(0.652)	3275627	1000.00	1015.0(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94646.D
Report Date: 30-Jun-2005 19:05

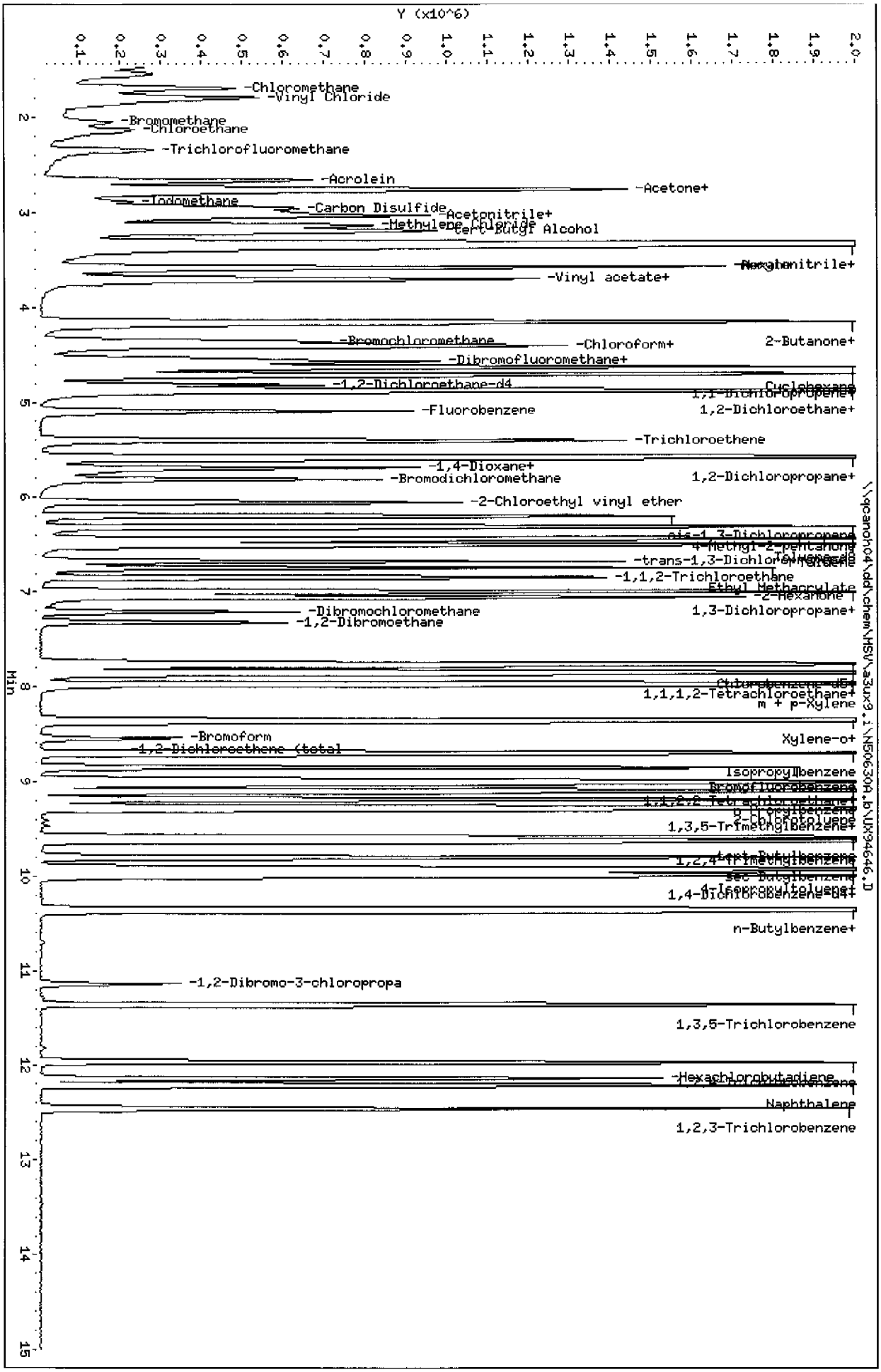
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.347	3.347	(0.657)	1533930	100.000	101.39
	25 trans-1,2-Dichloroethene	61	3.359	3.359	(0.659)	930574	100.000	99.674
	26 Hexane	57	3.572	3.572	(0.701)	1061603	100.000	99.091
	27 Vinyl acetate	43	3.714	3.714	(0.728)	1486315	100.000	101.53
	28 1,1-Dichloroethane	63	3.690	3.690	(0.724)	1107362	100.000	101.11
	29 tert-Butyl Alcohol	59	3.205	3.205	(0.629)	1190266	2000.00	2448.4(A)
	30 2-Butanone	43	4.152	4.152	(0.814)	971852	200.000	206.33
M	31 1,2-Dichloroethene (total)	61				1961231	200.000	200.63
	32 cis-1,2-dichloroethene	61	4.152	4.152	(0.814)	1030657	100.000	100.96
	33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	679154	100.000	100.12
	34 Bromochloromethane	128	4.353	4.353	(0.854)	257305	100.000	101.76
	35 Chloroform	83	4.400	4.400	(0.863)	808141	100.000	101.58
	36 Tetrahydrofuran	42	4.388	4.388	(0.861)	273162	100.000	103.08
	37 1,1,1-Trichloroethane	97	4.566	4.566	(0.896)	645573	100.000	101.14
	38 1,1-Dichloropropene	75	4.708	4.708	(0.923)	684790	100.000	101.06
	39 Carbon Tetrachloride	117	4.708	4.708	(0.923)	476458	100.000	99.304
	40 1,2-Dichloroethane	62	4.873	4.873	(0.956)	842362	100.000	102.04
	41 Benzene	78	4.873	4.873	(0.956)	2322367	100.000	101.06
	42 Trichloroethene	130	5.406	5.406	(1.060)	562517	100.000	101.28
	43 1,2-Dichloropropane	63	5.583	5.583	(1.095)	676691	100.000	100.36
	44 1,4-Dioxane	88	5.702	5.702	(1.118)	337368	5000.00	7381.9(A)
	45 Dibromomethane	93	5.690	5.690	(1.116)	296032	100.000	101.19
	46 Bromodichloromethane	83	5.820	5.820	(1.142)	574607	100.000	99.879
	47 2-Chloroethyl vinyl ether	63	6.057	6.057	(1.188)	437359	200.000	195.84
	48 cis-1,3-Dichloropropene	75	6.199	6.199	(1.216)	824351	100.000	98.643
	49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	1854339	200.000	204.09
	50 Toluene	91	6.494	6.494	(0.838)	2594666	100.000	100.79
	51 trans-1,3-Dichloropropene	75	6.672	6.672	(0.861)	721493	100.000	98.588
	52 Ethyl Methacrylate	69	6.743	6.743	(0.870)	832173	100.000	101.80
	53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	491146	100.000	100.78
	54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	918971	100.000	101.12
	55 Tetrachloroethene	164	7.003	7.003	(0.904)	445999	100.000	100.19
	56 2-Hexanone	43	7.051	7.051	(0.910)	1452529	200.000	205.88
	57 Dibromochloromethane	129	7.204	7.204	(0.930)	379659	100.000	96.876
	58 1,2-Dibromoethane	107	7.323	7.323	(0.945)	481541	100.000	100.09
	59 Chlorobenzene	112	7.772	7.772	(1.003)	1726553	100.000	101.19
	60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	474384	100.000	101.25
	61 Ethylbenzene	91	7.867	7.867	(1.015)	2961121	100.000	100.09
	62 m + p-Xylene	91	7.973	7.973	(1.029)	4723521	200.000	200.08
M	63 Xylenes (total)	91				7135610	300.000	300.22
	64 Xylene-o	91	8.352	8.352	(1.078)	2412089	100.000	100.14
	65 Styrene	104	8.364	8.364	(1.079)	2014049	100.000	99.602
	66 Bromoform	173	8.541	8.541	(1.102)	195992	100.000	93.800
	67 Isopropylbenzene	105	8.695	8.695	(1.122)	2770758	100.000	99.906
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	681792	100.000	102.65
	69 1,4-Dichloro-2-butene	53	9.027	9.027	(0.904)	57754	100.000	71.699
	70 1,2,3-Trichloropropane	110	9.027	9.027	(0.904)	216527	100.000	103.98
	71 Bromobenzene	156	9.003	9.003	(0.902)	678794	100.000	103.48
	72 n-Propylbenzene	91	9.098	9.098	(0.911)	3521873	100.000	101.86
	73 2-Chlorotoluene	126	9.192	9.192	(0.921)	710414	100.000	102.35
	74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	2426689	100.000	101.68
	75 4-Chlorotoluene	126	9.287	9.287	(0.930)	750999	100.000	103.73
	76 tert-Butylbenzene	119	9.583	9.583	(0.960)	2137498	100.000	102.88
	77 1,2,4-Trimethylbenzene	105	9.630	9.630	(0.964)	2474391	100.000	101.00

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94646.D
Report Date: 30-Jun-2005 19:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78	sec-Butylbenzene	105	9.796	9.796	(0.981)	3159890	100.000	100.50
79	4-Isopropyltoluene	119	9.938	9.938	(0.995)	2575989	100.000	100.60
80	1,3-Dichlorobenzene	146	9.914	9.914	(0.993)	1351626	100.000	102.26
81	1,4-Dichlorobenzene	146	10.009	10.009	(1.002)	1389344	100.000	101.72
82	n-Butylbenzene	91	10.340	10.340	(1.036)	2272430	100.000	98.378
83	1,2-Dichlorobenzene	146	10.376	10.376	(1.039)	1272476	100.000	100.59
84	1,2-Dibromo-3-chloropropane	157	11.133	11.133	(1.115)	97588	100.000	97.600
85	1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	837350	100.000	106.22
86	Hexachlorobutadiene	225	12.139	12.139	(1.216)	332068	100.000	104.67
87	Naphthalene	128	12.210	12.210	(1.223)	1906344	100.000	104.83
88	1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	750702	100.000	106.78
98	Cyclohexane	56	4.625	4.625	(0.907)	1359895	100.000	99.792
143	Methyl Acetate	43	3.039	3.039	(0.596)	1407752	200.000	205.55
144	Methylcyclohexane	83	5.571	5.571	(1.093)	991009	100.000	98.817
141	1,3,5-Trichlorobenzene	180	11.358	11.358	(1.137)	933941	100.000	103.36

QC Flag Legend

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



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Date : 30-JUN-2005 18:48
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9,i
Operator: 1903
Column diameter: 0.18

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94647.D
Report Date: 30-Jun-2005 19:27

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94647.D
Lab Smp Id: 50NG-IC
Inj Date : 30-JUN-2005 19:12
Operator : 1903 Inst ID: a3ux9.i
Smp Info : 50NG-IC
Misc Info : N50630A,8260MIUX9,2-8260.SUB,1903,1,4
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Meth Date : 30-Jun-2005 19:27 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 19:12 Cal File: UX94647.D
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1	Fluorobenzene	96	5.098	5.098	(1.000)	976259	50.0000	
* 2	Chlorobenzene-d5	117	7.749	7.749	(1.000)	740308	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.973	9.973	(1.000)	384015	50.0000	
$ 4	Dibromofluoromethane	113	4.542	4.542	(0.891)	169212	50.0000	46.212
$ 5	1,2-Dichloroethane-d4	65	4.814	4.814	(0.944)	223071	50.0000	44.294
$ 6	Toluene-d8	98	6.435	6.435	(0.831)	848012	50.0000	46.606
$ 7	Bromofluorobenzene	95	8.849	8.849	(1.142)	331790	50.0000	46.321
8	Dichlorodifluoromethane	85	1.548	1.548	(0.304)	177499	50.0000	51.979
9	Chloromethane	50	1.690	1.690	(0.332)	523565	50.0000	51.969
10	Vinyl Chloride	62	1.785	1.785	(0.350)	339151	50.0000	50.979
11	Bromomethane	94	2.045	2.045	(0.401)	111815	50.0000	51.538
12	Chloroethane	64	2.140	2.140	(0.420)	216212	50.0000	52.556
13	Trichlorofluoromethane	101	2.341	2.341	(0.459)	232875	50.0000	51.641
15	Acrolein	56	2.661	2.661	(0.522)	479527	500.000	458.80(A)
16	Acetone	43	2.779	2.779	(0.545)	372236	100.000	105.75
17	1,1-Dichloroethene	61	2.755	2.755	(0.540)	446507	50.0000	47.343
18	Freon-113	151	2.755	2.755	(0.540)	152484	50.0000	46.854
19	Iodomethane	142	2.897	2.897	(0.568)	175273	50.0000	48.086
20	Carbon Disulfide	76	2.957	2.957	(0.580)	762935	50.0000	45.971
21	Methylene Chloride	84	3.146	3.146	(0.617)	280534	50.0000	48.726
22	Acetonitrile	41	3.004	3.004	(0.589)	492850	500.000	480.35(A)
23	Acrylonitrile	53	3.323	3.323	(0.652)	1483556	500.000	463.56(A)

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94647.D
Report Date: 30-Jun-2005 19:27

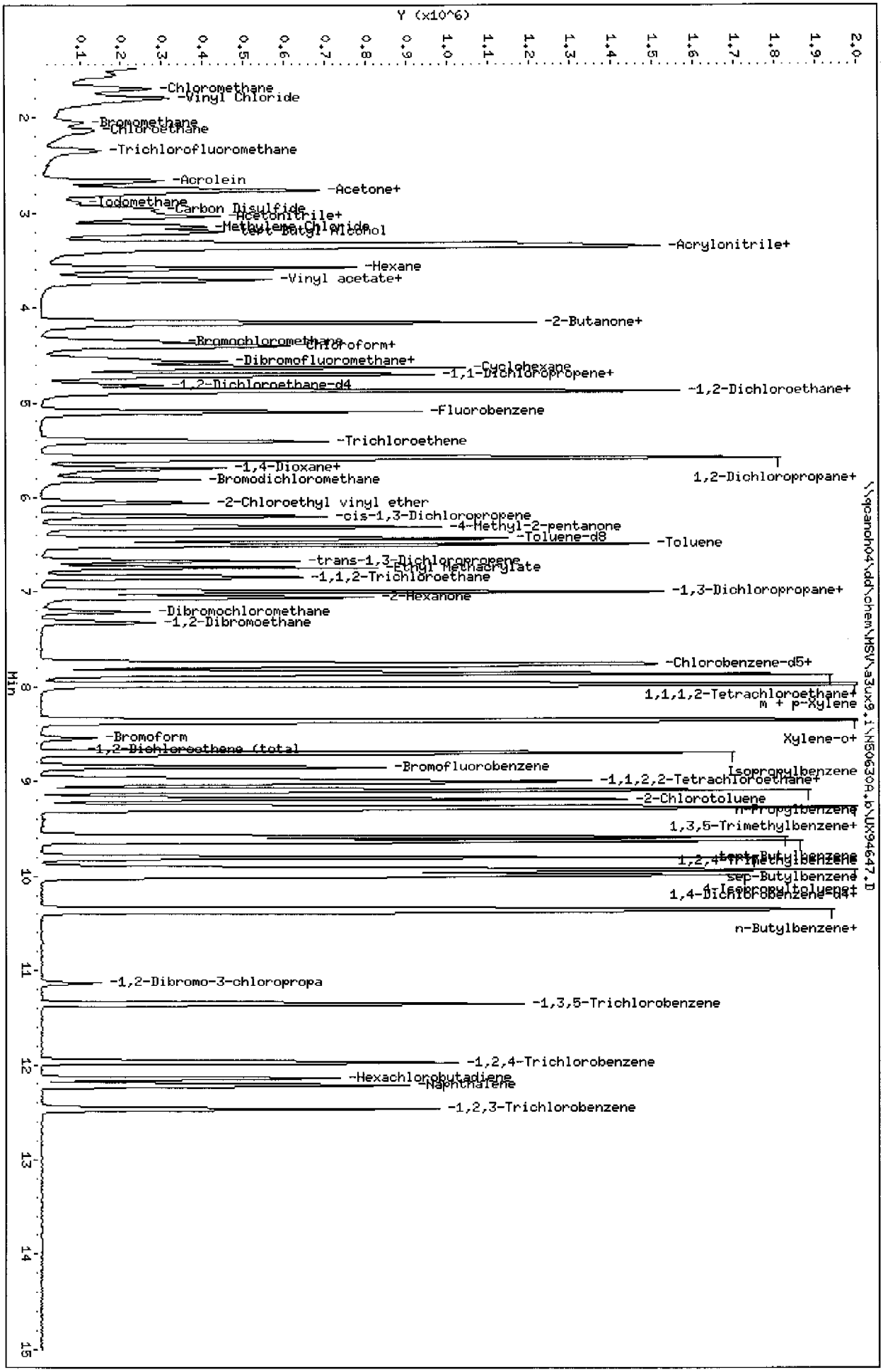
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.347	3.347	(0.657)	708798	50.0000	46.964
	25 trans-1,2-Dichloroethene	61	3.359	3.359	(0.659)	432054	50.0000	46.568
	26 Hexane	57	3.572	3.572	(0.701)	500230	50.0000	46.855
	27 Vinyl acetate	43	3.714	3.714	(0.728)	631528	50.0000	44.344
	28 1,1-Dichloroethane	63	3.690	3.690	(0.724)	513891	50.0000	47.015
	29 tert-Butyl Alcohol	59	3.205	3.205	(0.629)	584744	1000.00	1107.4(A)
	30 2-Butanone	43	4.152	4.152	(0.814)	473446	100.000	98.517
M	31 1,2-Dichloroethene (total)	61				906051	100.000	93.244
	32 cis-1,2-dichloroethene	61	4.152	4.152	(0.814)	473997	50.0000	46.675
	33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	308246	50.0000	45.985
	34 Bromochloromethane	128	4.353	4.353	(0.854)	117810	50.0000	46.785
	35 Chloroform	83	4.412	4.412	(0.865)	381532	50.0000	47.722
	36 Tetrahydrofuran	42	4.388	4.388	(0.861)	138765	50.0000	50.626
	37 1,1,1-Trichloroethane	97	4.566	4.566	(0.896)	304748	50.0000	47.577
	38 1,1-Dichloropropene	75	4.708	4.708	(0.923)	324259	50.0000	47.649
	39 Carbon Tetrachloride	117	4.708	4.708	(0.923)	225721	50.0000	47.098
	40 1,2-Dichloroethane	62	4.873	4.873	(0.956)	384625	50.0000	46.787
	41 Benzene	78	4.873	4.873	(0.956)	1091328	50.0000	47.405
	42 Trichloroethene	130	5.406	5.406	(1.060)	267991	50.0000	47.922
	43 1,2-Dichloropropane	63	5.583	5.583	(1.095)	322644	50.0000	47.651
	44 1,4-Dioxane	88	5.702	5.702	(1.118)	167228	2500.00	3119.1(A)
	45 Dibromomethane	93	5.690	5.690	(1.116)	141021	50.0000	47.887
	46 Bromodichloromethane	83	5.808	5.808	(1.139)	261501	50.0000	45.994
	47 2-Chloroethyl vinyl ether	63	6.057	6.057	(1.188)	170757	100.000	81.334
	48 cis-1,3-Dichloropropene	75	6.199	6.199	(1.216)	361954	50.0000	44.469
	49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	843122	100.000	93.303
	50 Toluene	91	6.495	6.495	(0.838)	1213049	50.0000	47.608
	51 trans-1,3-Dichloropropene	75	6.672	6.672	(0.861)	316604	50.0000	44.876
	52 Ethyl Methacrylate	69	6.743	6.743	(0.870)	367783	50.0000	46.118
	53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	236993	50.0000	48.639
	54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	426619	50.0000	47.485
	55 Tetrachloroethene	164	6.991	6.991	(0.902)	214418	50.0000	48.327
	56 2-Hexanone	43	7.051	7.051	(0.910)	691336	100.000	97.769
	57 Dibromochloromethane	129	7.204	7.204	(0.930)	161101	50.0000	43.286
	58 1,2-Dibromoethane	107	7.323	7.323	(0.945)	230053	50.0000	48.086
	59 Chlorobenzene	112	7.772	7.772	(1.003)	811016	50.0000	47.892
	60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	218268	50.0000	47.239
	61 Ethylbenzene	91	7.867	7.867	(1.015)	1378119	50.0000	47.235
	62 m + p-Xylene	91	7.974	7.974	(1.029)	2177104	100.000	93.812
M	63 Xylenes (total)	91				3280254	150.000	140.50
	64 Xylene-o	91	8.352	8.352	(1.078)	1103150	50.0000	46.688
	65 Styrene	104	8.364	8.364	(1.079)	920921	50.0000	46.509
	66 Bromoform	173	8.542	8.542	(1.102)	74738	50.0000	39.131
	67 Isopropylbenzene	105	8.695	8.695	(1.122)	1285001	50.0000	47.063
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.900)	322082	50.0000	48.326
	69 1,4-Dichloro-2-butene	53	9.027	9.027	(0.905)	13768	50.0000	21.523
	70 1,2,3-Trichloropropane	110	9.027	9.027	(0.905)	97272	50.0000	47.106
	71 Bromobenzene	156	9.003	9.003	(0.903)	314626	50.0000	47.968
	72 n-Propylbenzene	91	9.098	9.098	(0.912)	1624753	50.0000	47.302
	73 2-Chlorotoluene	126	9.192	9.192	(0.922)	328938	50.0000	47.575
	74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.929)	1128336	50.0000	47.497
	75 4-Chlorotoluene	126	9.287	9.287	(0.931)	353374	50.0000	48.539
	76 tert-Butylbenzene	119	9.583	9.583	(0.961)	996130	50.0000	47.952
	77 1,2,4-Trimethylbenzene	105	9.630	9.630	(0.966)	1151040	50.0000	47.295

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94647.D
Report Date: 30-Jun-2005 19:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
78	sec-Butylbenzene	105	9.796	9.796	(0.982)	1470961	50.0000	47.156
79	4-Isopropyltoluene	119	9.938	9.938	(0.996)	1189319	50.0000	46.922
80	1,3-Dichlorobenzene	146	9.914	9.914	(0.994)	634617	50.0000	48.000
81	1,4-Dichlorobenzene	146	10.009	10.009	(1.004)	658317	50.0000	48.125
82	n-Butylbenzene	91	10.340	10.340	(1.037)	1050883	50.0000	46.259
83	1,2-Dichlorobenzene	146	10.376	10.376	(1.040)	614624	50.0000	48.388
84	1,2-Dibromo-3-chloropropane	157	11.133	11.133	(1.116)	40256	50.0000	42.442
85	1,2,4-Trichlorobenzene	180	11.973	11.973	(1.200)	399760	50.0000	49.802
86	Hexachlorobutadiene	225	12.139	12.139	(1.217)	158489	50.0000	49.305
87	Naphthalene	128	12.210	12.210	(1.224)	845451	50.0000	46.955
88	1,2,3-Trichlorobenzene	180	12.458	12.458	(1.249)	374777	50.0000	51.476
98	Cyclohexane	56	4.625	4.625	(0.907)	634670	50.0000	46.774
143	Methyl Acetate	43	3.039	3.039	(0.596)	644200	100.000	94.176
144	Methylcyclohexane	83	5.572	5.572	(1.093)	466103	50.0000	46.707
141	1,3,5-Trichlorobenzene	180	11.358	11.358	(1.139)	445329	50.0000	48.855

QC Flag Legend

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



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Date : 30-JUN-2005 19:12
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1903
Column diameter: 0.18

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94648.D
Report Date: 30-Jun-2005 19:51

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94648.D
Lab Smp Id: 25NG-IC
Inj Date : 30-JUN-2005 19:36
Operator : 1903 Inst ID: a3ux9.i
Smp Info : 25NG-IC
Misc Info : N50630A,8260MIUX9,2-8260.SUB,1903,1,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Meth Date : 30-Jun-2005 19:51 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 19:36 Cal File: UX94648.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	5.098	5.098	(1.000)	955180	50.0000	
*	2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	721318	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.984	9.984	(1.000)	361893	50.0000	
$	4 Dibromofluoromethane	113	4.541	4.541	(0.891)	101536	25.0000	27.425
$	5 1,2-Dichloroethane-d4	65	4.814	4.814	(0.944)	138245	25.0000	27.224
$	6 Toluene-d8	98	6.435	6.435	(0.830)	480806	25.0000	26.557
$	7 Bromofluorobenzene	95	8.848	8.848	(1.142)	186340	25.0000	26.253
	8 Dichlorodifluoromethane	85	1.548	1.548	(0.304)	91039	25.0000	26.649
	9 Chloromethane	50	1.701	1.701	(0.334)	258444	25.0000	25.904
	10 Vinyl Chloride	62	1.784	1.784	(0.350)	160344	25.0000	24.724
	11 Bromomethane	94	2.056	2.056	(0.403)	60223	25.0000	27.446
	12 Chloroethane	64	2.139	2.139	(0.420)	101855	25.0000	25.228
	13 Trichlorofluoromethane	101	2.340	2.340	(0.459)	110522	25.0000	25.037
	15 Acrolein	56	2.660	2.660	(0.522)	234807	250.000	234.39
	16 Acetone	43	2.778	2.778	(0.545)	193797	50.0000	54.561
	17 1,1-Dichloroethene	61	2.766	2.766	(0.543)	228230	25.0000	24.799
	18 Freon-113	151	2.755	2.755	(0.540)	78003	25.0000	24.621
	19 Iodomethane	142	2.897	2.897	(0.568)	92400	25.0000	25.676
	20 Carbon Disulfide	76	2.956	2.956	(0.580)	384488	25.0000	23.996
	21 Methylene Chloride	84	3.145	3.145	(0.617)	151545	25.0000	26.400
	22 Acetonitrile	41	3.003	3.003	(0.589)	249851	250.000	249.16
	23 Acrylonitrile	53	3.323	3.323	(0.652)	728852	250.000	236.85

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94648.D
Report Date: 30-Jun-2005 19:51

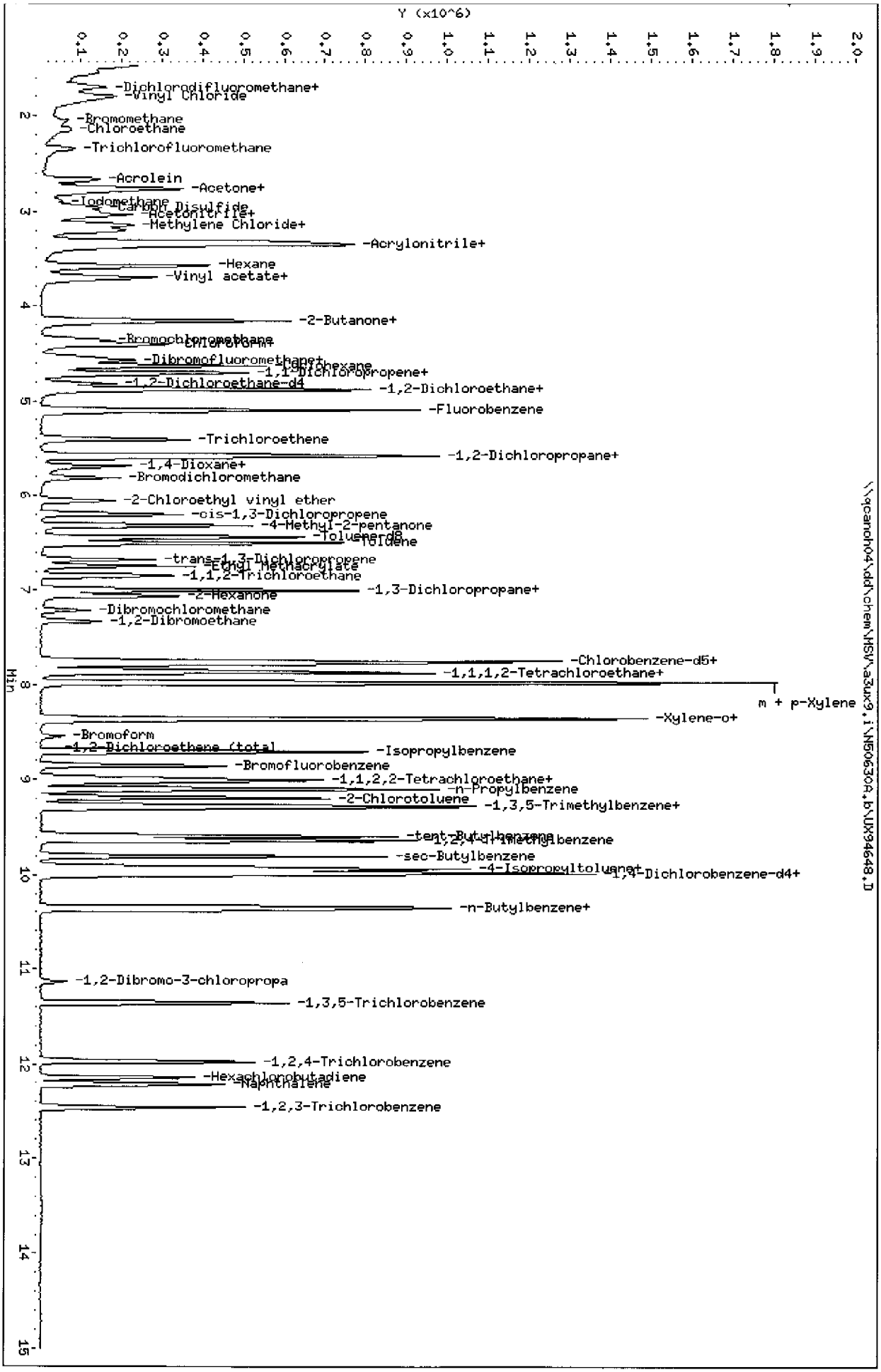
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.346	3.346	(0.656)	358259	25.0000	24.442
	25 trans-1,2-Dichloroethene	61	3.358	3.358	(0.659)	221004	25.0000	24.506
	26 Hexane	57	3.571	3.571	(0.701)	267479	25.0000	25.452
	27 Vinyl acetate	43	3.713	3.713	(0.728)	330425	25.0000	24.023
	28 1,1-Dichloroethane	63	3.689	3.689	(0.724)	265221	25.0000	24.850
	29 tert-Butyl Alcohol	59	3.204	3.204	(0.629)	263351	500.000	507.28(A)
	30 2-Butanone	43	4.151	4.151	(0.814)	234353	50.0000	49.881
M	31 1,2-Dichloroethene (total)	61				465246	50.0000	49.192
	32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	244242	25.0000	24.685
	33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	157359	25.0000	24.237
	34 Bromochloromethane	128	4.352	4.352	(0.854)	59893	25.0000	24.479
	35 Chloroform	83	4.411	4.411	(0.865)	195267	25.0000	24.972
	36 Tetrahydrofuran	42	4.399	4.399	(0.863)	68595	25.0000	25.431
	37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	161187	25.0000	25.536
	38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	170355	25.0000	25.437
	39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	109075	25.0000	23.673
	40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	203392	25.0000	25.215
	41 Benzene	78	4.873	4.873	(0.956)	571514	25.0000	25.279
	42 Trichloroethene	130	5.405	5.405	(1.060)	139489	25.0000	25.368
	43 1,2-Dichloropropane	63	5.583	5.583	(1.095)	163384	25.0000	24.746
	44 1,4-Dioxane	88	5.701	5.701	(1.118)	74196	1250.00	1369.4(A)
	45 Dibromomethane	93	5.689	5.689	(1.116)	71878	25.0000	24.960
	46 Bromodichloromethane	83	5.819	5.819	(1.142)	132557	25.0000	24.112
	47 2-Chloroethyl vinyl ether	63	6.056	6.056	(1.188)	81808	50.0000	41.961
	48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	180828	25.0000	23.240
	49 4-Methyl-2-pentanone	43	6.316	6.316	(1.239)	427228	50.0000	48.731
	50 Toluene	91	6.506	6.506	(0.840)	619063	25.0000	24.952
	51 trans-1,3-Dichloropropene	75	6.671	6.671	(0.861)	149313	25.0000	22.458
	52 Ethyl Methacrylate	69	6.742	6.742	(0.870)	179936	25.0000	23.592
	53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	119453	25.0000	25.121
	54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	220794	25.0000	25.166
	55 Tetrachloroethene	164	7.003	7.003	(0.904)	111901	25.0000	25.658
	56 2-Hexanone	43	7.050	7.050	(0.910)	327824	50.0000	48.164
	57 Dibromochloromethane	129	7.216	7.216	(0.931)	77003	25.0000	22.066
	58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	118633	25.0000	25.336
	59 Chlorobenzene	112	7.772	7.772	(1.003)	420018	25.0000	25.340
	60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	114133	25.0000	25.263
	61 Ethylbenzene	91	7.866	7.866	(1.015)	699441	25.0000	24.702
	62 m + p-Xylene	91	7.973	7.973	(1.029)	1107650	50.0000	49.235
M	63 Xylenes (total)	91				1670192	75.0000	73.809
	64 Xylene-o	91	8.352	8.352	(1.078)	562542	25.0000	24.574
	65 Styrene	104	8.363	8.363	(1.079)	447002	25.0000	23.601
	66 Bromoform	173	8.541	8.541	(1.102)	33809	25.0000	19.500
	67 Isopropylbenzene	105	8.707	8.707	(1.124)	635754	25.0000	24.164
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	151139	25.0000	24.291
	69 1,4-Dichloro-2-butene	53	9.026	9.026	(0.904)	3537	25.0000	7.255
	70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	51851	25.0000	26.214
	71 Bromobenzene	156	9.002	9.002	(0.902)	166923	25.0000	26.474
	72 n-Propylbenzene	91	9.097	9.097	(0.911)	811841	25.0000	25.060
	73 2-Chlorotoluene	126	9.192	9.192	(0.921)	169590	25.0000	25.763
	74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	557878	25.0000	24.939
	75 4-Chlorotoluene	126	9.286	9.286	(0.930)	177113	25.0000	25.606
	76 tert-Butylbenzene	119	9.582	9.582	(0.960)	496810	25.0000	25.282
	77 1,2,4-Trimethylbenzene	105	9.629	9.629	(0.964)	556414	25.0000	24.441

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94648.D
Report Date: 30-Jun-2005 19:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78	sec-Butylbenzene	105	9.795	9.795	(0.981)	723846	25.0000	24.716
79	4-Isopropyltoluene	119	9.937	9.937	(0.995)	589959	25.0000	24.773
80	1,3-Dichlorobenzene	146	9.913	9.913	(0.993)	318371	25.0000	25.412
81	1,4-Dichlorobenzene	146	10.008	10.008	(1.002)	335722	25.0000	25.774
82	n-Butylbenzene	91	10.351	10.351	(1.037)	537367	25.0000	25.075
83	1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	303165	25.0000	25.244
84	1,2-Dibromo-3-chloropropane	157	11.132	11.132	(1.115)	18148	25.0000	21.304
85	1,2,4-Trichlorobenzene	180	11.972	11.972	(1.199)	200493	25.0000	26.112
86	Hexachlorobutadiene	225	12.150	12.150	(1.217)	85669	25.0000	27.382
87	Naphthalene	128	12.209	12.209	(1.223)	446580	25.0000	25.976
88	1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	186531	25.0000	26.604
98	Cyclohexane	56	4.624	4.624	(0.907)	343624	25.0000	25.656
143	Methyl Acetate	43	3.039	3.039	(0.596)	332718	50.0000	49.785
144	Methylcyclohexane	83	5.583	5.583	(1.095)	252262	25.0000	25.622
141	1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	220206	25.0000	25.473

QC Flag Legend

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



Data File: \\qcanon04\dd\chem\MSV\a3ux9,i\N506304,b\UX94648.D
Date : 30-JUN-2005 19:36
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9,i
Operator: 1903
Column diameter: 0.18

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94649.D
Report Date: 30-Jun-2005 20:15

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94649.D
Lab Smp Id: 5NG-IC
Inj Date : 30-JUN-2005 19:59
Operator : 1903 Inst ID: a3ux9.i
Smp Info : 5NG-IC
Misc Info : N50630A,8260MIUX9,2-8260.SUB,1903,1,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Meth Date : 30-Jun-2005 20:15 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 19:59 Cal File: UX94649.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	5.098	5.098	(1.000)	939574	50.0000	
*	2 Chlorobenzene-d5	117	7.749	7.749	(1.000)	698330	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	343204	50.0000	
$	4 Dibromofluoromethane	113	4.542	4.542	(0.891)	19565	5.00000	5.293
$	5 1,2-Dichloroethane-d4	65	4.814	4.814	(0.944)	28887	5.00000	5.607
$	6 Toluene-d8	98	6.447	6.447	(0.832)	98203	5.00000	5.471
$	7 Bromofluorobenzene	95	8.849	8.849	(1.142)	38078	5.00000	5.424
	8 Dichlorodifluoromethane	85	1.548	1.548	(0.304)	15423	5.00000	4.666
	9 Chloromethane	50	1.702	1.702	(0.334)	50356	5.00000	5.104
	10 Vinyl Chloride	62	1.785	1.785	(0.350)	30463	5.00000	4.818
	11 Bromomethane	94	2.057	2.057	(0.404)	11619	5.00000	5.302
	12 Chloroethane	64	2.140	2.140	(0.420)	20181	5.00000	5.065
	13 Trichlorofluoromethane	101	2.341	2.341	(0.459)	17782	5.00000	4.249
	15 Acrolein	56	2.661	2.661	(0.522)	44953	50.0000	46.433
	16 Acetone	43	2.791	2.791	(0.547)	55341	10.0000	14.183
	17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	33116	5.00000	3.866
	18 Freon-113	151	2.755	2.755	(0.540)	12879	5.00000	4.281
	19 Iodomethane	142	2.897	2.897	(0.568)	19400	5.00000	5.377
	20 Carbon Disulfide	76	2.956	2.956	(0.580)	62365	5.00000	4.129
	21 Methylene Chloride	84	3.146	3.146	(0.617)	45495	5.00000	7.179
	22 Acetonitrile	41	3.016	3.016	(0.592)	64697	50.0000	61.740
	23 Acrylonitrile	53	3.323	3.323	(0.652)	153399	50.0000	50.540

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94649.D
Report Date: 30-Jun-2005 20:15

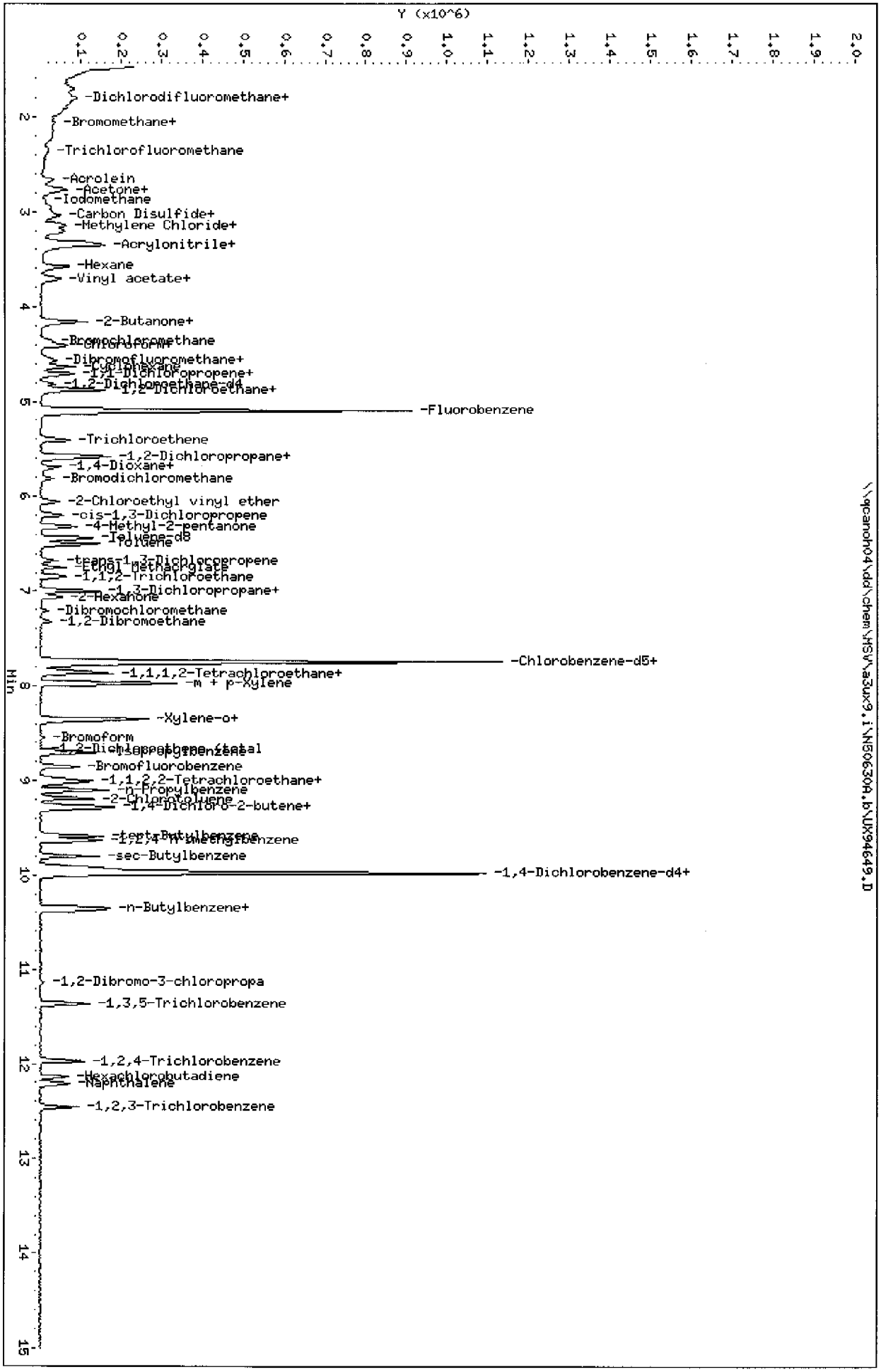
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.347	3.347	(0.657)	68289	5.00000	4.787
	25 trans-1,2-Dichloroethene	61	3.359	3.359	(0.659)	37808	5.00000	4.392
	26 Hexane	57	3.572	3.572	(0.701)	45077	5.00000	4.475
	27 Vinyl acetate	43	3.714	3.714	(0.728)	63260	5.00000	4.737
	28 1,1-Dichloroethane	63	3.690	3.690	(0.724)	50573	5.00000	4.853
	29 tert-Butyl Alcohol	59	3.205	3.205	(0.629)	70599	100.000	128.42
	30 2-Butanone	43	4.152	4.152	(0.814)	43305	10.0000	9.490
M	31 1,2-Dichloroethene (total)	61				81874	10.0000	9.006
	32 cis-1,2-dichloroethene	61	4.152	4.152	(0.814)	44066	5.00000	4.615
	33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	24819	5.00000	4.067
	34 Bromochloromethane	128	4.353	4.353	(0.854)	11274	5.00000	4.744
	35 Chloroform	83	4.412	4.412	(0.865)	38385	5.00000	4.992
	36 Tetrahydrofuran	42	4.400	4.400	(0.863)	19117	5.00000	6.621
	37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	25854	5.00000	4.308
	38 1,1-Dichloropropene	75	4.708	4.708	(0.923)	29341	5.00000	4.553
	39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	18347	5.00000	4.208
	40 1,2-Dichloroethane	62	4.873	4.873	(0.956)	36707	5.00000	4.696
	41 Benzene	78	4.873	4.873	(0.956)	116444	5.00000	5.187
	42 Trichloroethene	130	5.406	5.406	(1.060)	27848	5.00000	5.118
	43 1,2-Dichloropropane	63	5.595	5.595	(1.097)	32748	5.00000	5.034
	44 1,4-Dioxane	88	5.702	5.702	(1.118)	21394	250.000	358.05(A)
	45 Dibromomethane	93	5.690	5.690	(1.116)	13549	5.00000	4.825
	46 Bromodichloromethane	83	5.820	5.820	(1.142)	24441	5.00000	4.608
	47 2-Chloroethyl vinyl ether	63	6.057	6.057	(1.188)	19936	10.0000	10.314
	48 cis-1,3-Dichloropropene	75	6.199	6.199	(1.216)	28365	5.00000	3.908
	49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	79740	10.0000	9.388
	50 Toluene	91	6.494	6.494	(0.838)	115316	5.00000	4.839
	51 trans-1,3-Dichloropropene	75	6.684	6.684	(0.863)	22205	5.00000	3.678
	52 Ethyl Methacrylate	69	6.743	6.743	(0.870)	31201	5.00000	4.361
	53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	21974	5.00000	4.817
	54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	42230	5.00000	4.978
	55 Tetrachloroethene	164	7.003	7.003	(0.904)	20059	5.00000	4.798
	56 2-Hexanone	43	7.051	7.051	(0.910)	56137	10.0000	8.779
	57 Dibromochloromethane	129	7.216	7.216	(0.931)	11750	5.00000	3.703
	58 1,2-Dibromoethane	107	7.323	7.323	(0.945)	23065	5.00000	5.070
	59 Chlorobenzene	112	7.772	7.772	(1.003)	83152	5.00000	5.144
	60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	18484	5.00000	4.361
	61 Ethylbenzene	91	7.867	7.867	(1.015)	130846	5.00000	4.817
	62 m + p-Xylene	91	7.974	7.974	(1.029)	208462	10.0000	9.654
M	63 Xylenes (total)	91				309210	15.0000	14.284
	64 Xylene-o	91	8.352	8.352	(1.078)	100748	5.00000	4.630
	65 Styrene	104	8.364	8.364	(1.079)	79030	5.00000	4.432
	66 Bromoform	173	8.541	8.541	(1.102)	4272	5.00000	2.822
	67 Isopropylbenzene	105	8.695	8.695	(1.122)	114963	5.00000	4.603
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	28992	5.00000	4.930
	69 1,4-Dichloro-2-butene	53	9.263	9.263	(0.928)	3205	5.00000	6.435
	70 1,2,3-Trichloropropane	110	9.027	9.027	(0.904)	10706	5.00000	5.550
	71 Bromobenzene	156	9.003	9.003	(0.902)	30982	5.00000	5.144
	72 n-Propylbenzene	91	9.098	9.098	(0.911)	142705	5.00000	4.712
	73 2-Chlorotoluene	126	9.192	9.192	(0.921)	31605	5.00000	5.050
	74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	95732	5.00000	4.602
	75 4-Chlorotoluene	126	9.287	9.287	(0.930)	35047	5.00000	5.271
	76 tert-Butylbenzene	119	9.583	9.583	(0.960)	85623	5.00000	4.670
	77 1,2,4-Trimethylbenzene	105	9.630	9.630	(0.964)	102366	5.00000	4.791

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94649.D
Report Date: 30-Jun-2005 20:15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.796	9.796	(0.981)	123839	5.00000	4.558
79 4-Isopropyltoluene	119	9.938	9.938	(0.995)	98920	5.00000	4.491
80 1,3-Dichlorobenzene	146	9.914	9.914	(0.993)	66550	5.00000	5.470
81 1,4-Dichlorobenzene	146	10.009	10.009	(1.002)	69670	5.00000	5.499
82 n-Butylbenzene	91	10.352	10.352	(1.037)	90400	5.00000	4.548
83 1,2-Dichlorobenzene	146	10.376	10.376	(1.039)	61422	5.00000	5.310
84 1,2-Dibromo-3-chloropropane	157	11.133	11.133	(1.115)	2297	5.00000	3.112
85 1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	40866	5.00000	5.478
86 Hexachlorobutadiene	225	12.150	12.150	(1.217)	14509	5.00000	4.912
87 Naphthalene	128	12.210	12.210	(1.223)	75624	5.00000	4.706
88 1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	37673	5.00000	5.519
98 Cyclohexane	56	4.625	4.625	(0.907)	51590	5.00000	4.093
143 Methyl Acetate	43	3.051	3.051	(0.599)	71518	10.0000	10.691
144 Methylcyclohexane	83	5.583	5.583	(1.095)	39526	5.00000	4.237
141 1,3,5-Trichlorobenzene	180	11.358	11.358	(1.137)	44091	5.00000	5.298

QC Flag Legend

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



Data File: \\qcanoh04\dd\chem\HSV\a3ux9,i\N506J0A.b\UX94649.D
Date : 30-JUN-2005 19:59
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9,i
Operator: 1903
Column diameter: 0.18

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94650.D
Report Date: 30-Jun-2005 20:39

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94650.D
Lab Smp Id: 2.5NG-IC
Inj Date : 30-JUN-2005 20:23
Operator : 1903 Inst ID: a3ux9.i
Smp Info : 2.5NG-IC
Misc Info : N50630A,8260MIUX9,2-8260.SUB,1903,1,1
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Meth Date : 30-Jun-2005 20:39 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

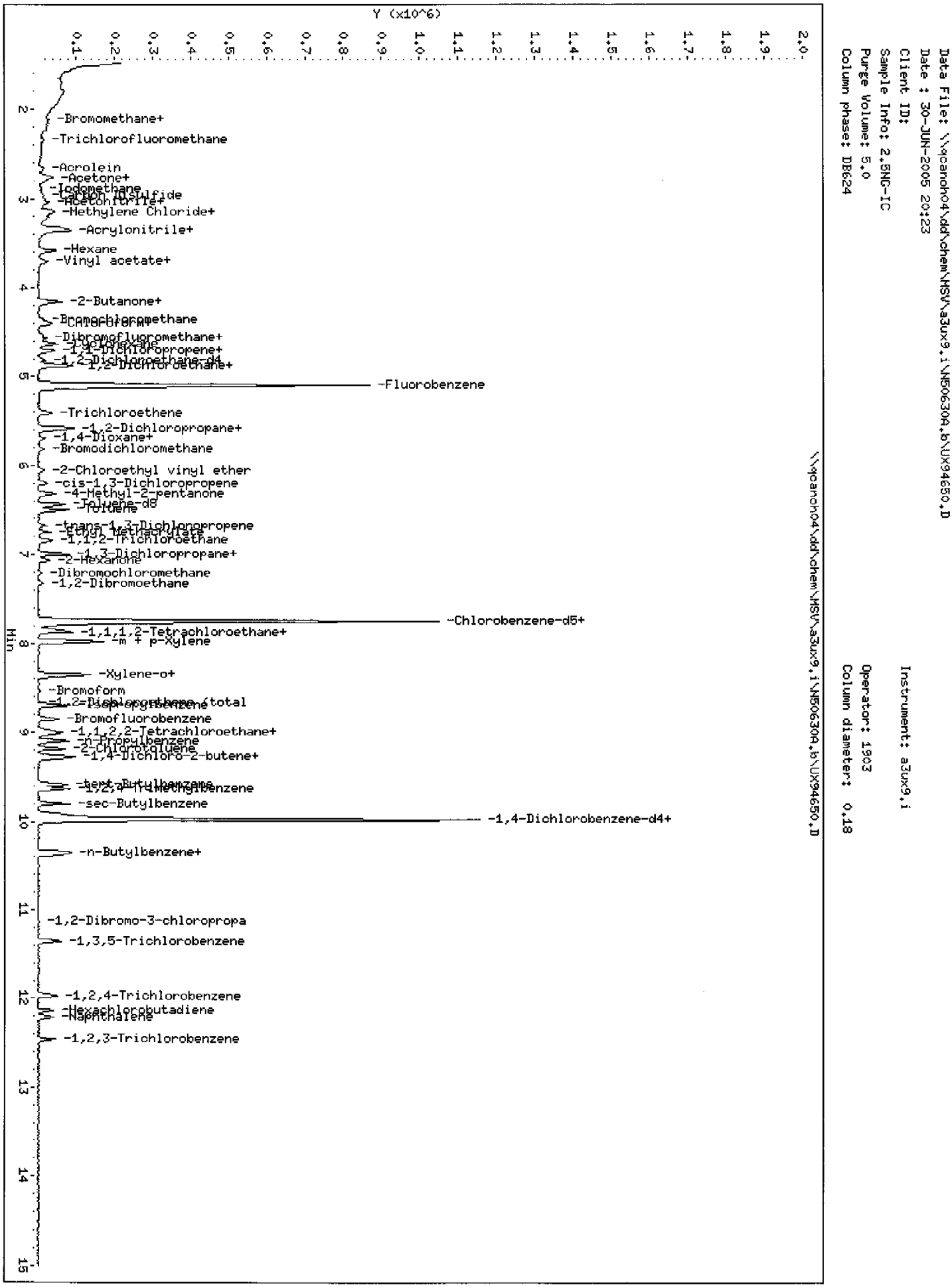
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1	Fluorobenzene	96	5.100	5.100	(1.000)	917561	50.0000	
* 2	Chlorobenzene-d5	117	7.750	7.750	(1.000)	691901	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.975	9.975	(1.000)	348212	50.0000	
$ 4	Dibromofluoromethane	113	4.532	4.532	(0.889)	9495	2.50000	2.608
$ 5	1,2-Dichloroethane-d4	65	4.816	4.816	(0.944)	14981	2.50000	2.886
$ 6	Toluene-d8	98	6.437	6.437	(0.831)	50866	2.50000	2.793
$ 7	Bromofluorobenzene	95	8.851	8.851	(1.142)	22200	2.50000	3.051
8	Dichlorodifluoromethane	85	1.562	1.562	(0.306)	7898	2.50000	2.456
9	Chloromethane	50	1.704	1.704	(0.334)	26389	2.50000	2.696
10	Vinyl Chloride	62	1.799	1.799	(0.353)	15311	2.50000	2.483
11	Bromomethane	94	2.059	2.059	(0.404)	4544	2.50000	2.178
12	Chloroethane	64	2.142	2.142	(0.420)	10633	2.50000	2.691
13	Trichlorofluoromethane	101	2.343	2.343	(0.459)	6769	2.50000	1.755
15	Acrolein	56	2.674	2.674	(0.524)	21860	25.0000	23.415
16	Acetone	43	2.781	2.781	(0.545)	49701	5.00000	13.043
17	1,1-Dichloroethene	61	2.757	2.757	(0.541)	19293	2.50000	2.336
18	Freon-113	151	2.745	2.745	(0.538)	7671	2.50000	2.592
19	Iodomethane	142	2.899	2.899	(0.568)	12057	2.50000	3.224
20	Carbon Disulfide	76	2.958	2.958	(0.580)	28530	2.50000	2.010
21	Methylene Chloride	84	3.148	3.148	(0.617)	31726	2.50000	5.126
22	Acetonitrile	41	3.006	3.006	(0.589)	35635	25.0000	32.682
23	Acrylonitrile	53	3.325	3.325	(0.652)	71562	25.0000	24.282

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94650.D
Report Date: 30-Jun-2005 20:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.349	3.349	(0.657)	36019	2.50000	2.571
	25 trans-1,2-Dichloroethene	61	3.349	3.349	(0.657)	22267	2.50000	2.622
	26 Hexane	57	3.573	3.573	(0.701)	28291	2.50000	2.806
	27 Vinyl acetate	43	3.715	3.715	(0.729)	30102	2.50000	2.338
	28 1,1-Dichloroethane	63	3.692	3.692	(0.724)	24386	2.50000	2.413
	29 tert-Butyl Alcohol	59	3.207	3.207	(0.629)	25435	50.0000	44.960
	30 2-Butanone	43	4.153	4.153	(0.814)	25854	5.00000	5.650
M	31 1,2-Dichloroethene (total)	61				45159	5.00000	5.085
	32 cis-1,2-dichloroethene	61	4.153	4.153	(0.814)	22892	2.50000	2.462
	33 2,2-Dichloropropane	77	4.165	4.165	(0.817)	14352	2.50000	2.423
	34 Bromochloromethane	128	4.354	4.354	(0.854)	4805	2.50000	2.132
	35 Chloroform	83	4.414	4.414	(0.865)	18528	2.50000	2.473
	36 Tetrahydrofuran	42	4.390	4.390	(0.861)	13071	2.50000	4.058
	37 1,1,1-Trichloroethane	97	4.579	4.579	(0.898)	14748	2.50000	2.514
	38 1,1-Dichloropropene	75	4.698	4.698	(0.921)	16454	2.50000	2.595
	39 Carbon Tetrachloride	117	4.709	4.709	(0.923)	9618	2.50000	2.296
	40 1,2-Dichloroethane	62	4.875	4.875	(0.956)	20208	2.50000	2.622
	41 Benzene	78	4.875	4.875	(0.956)	63104	2.50000	2.808
	42 Trichloroethene	130	5.408	5.408	(1.060)	14383	2.50000	2.670
	43 1,2-Dichloropropane	63	5.585	5.585	(1.095)	15396	2.50000	2.436
	44 1,4-Dioxane	88	5.692	5.692	(1.116)	4830	125.000	78.592
	45 Dibromomethane	93	5.692	5.692	(1.116)	7961	2.50000	2.827
	46 Bromodichloromethane	83	5.822	5.822	(1.142)	11545	2.50000	2.270
	47 2-Chloroethyl vinyl ether	63	6.047	6.047	(1.186)	8567	5.00000	4.609
	48 cis-1,3-Dichloropropene	75	6.200	6.200	(1.216)	12787	2.50000	1.892
	49 4-Methyl-2-pentanone	43	6.319	6.319	(1.239)	39659	5.00000	4.816
	50 Toluene	91	6.496	6.496	(0.838)	61062	2.50000	2.572
	51 trans-1,3-Dichloropropene	75	6.674	6.674	(0.861)	11105	2.50000	1.940
	52 Ethyl Methacrylate	69	6.745	6.745	(0.870)	14243	2.50000	2.077
	53 1,1,2-Trichloroethane	97	6.839	6.839	(0.882)	14137	2.50000	3.002
	54 1,3-Dichloropropane	76	7.005	7.005	(0.904)	21058	2.50000	2.504
	55 Tetrachloroethene	164	6.993	6.993	(0.902)	13667	2.50000	3.133
	56 2-Hexanone	43	7.052	7.052	(0.910)	27672	5.00000	4.462
	57 Dibromochloromethane	129	7.206	7.206	(0.930)	5869	2.50000	1.949
	58 1,2-Dibromoethane	107	7.324	7.324	(0.945)	11757	2.50000	2.590
	59 Chlorobenzene	112	7.774	7.774	(1.003)	46342	2.50000	2.820
	60 1,1,1,2-Tetrachloroethane	131	7.845	7.845	(1.012)	10831	2.50000	2.566
	61 Ethylbenzene	91	7.869	7.869	(1.015)	65790	2.50000	2.454
	62 m + p-Xylene	91	7.975	7.975	(1.029)	104099	5.00000	4.888
M	63 Xylenes (total)	91				159682	7.50000	7.452
	64 Xylene-o	91	8.354	8.354	(1.078)	55583	2.50000	2.565
	65 Styrene	104	8.366	8.366	(1.079)	36970	2.50000	2.151
	66 Bromoform	173	8.543	8.543	(1.102)	1437	2.50000	0.9581
	67 Isopropylbenzene	105	8.697	8.697	(1.122)	60652	2.50000	2.459
	68 1,1,2,2-Tetrachloroethane	83	8.981	8.981	(0.900)	14285	2.50000	2.411
	69 1,4-Dichloro-2-butene	53	9.265	9.265	(0.929)	1760	2.50000	3.483
	70 1,2,3-Trichloropropane	110	9.028	9.028	(0.905)	5109	2.50000	2.591
	71 Bromobenzene	156	9.005	9.005	(0.903)	15438	2.50000	2.522
	72 n-Propylbenzene	91	9.099	9.099	(0.912)	73508	2.50000	2.410
	73 2-Chlorotoluene	126	9.182	9.182	(0.921)	15113	2.50000	2.399
	74 1,3,5-Trimethylbenzene	105	9.265	9.265	(0.929)	47179	2.50000	2.276
	75 4-Chlorotoluene	126	9.289	9.289	(0.931)	16890	2.50000	2.503
	76 tert-Butylbenzene	119	9.585	9.585	(0.961)	44198	2.50000	2.396
	77 1,2,4-Trimethylbenzene	105	9.632	9.632	(0.966)	48772	2.50000	2.288

Data File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94650.D
Report Date: 30-Jun-2005 20:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78	sec-Butylbenzene	105	9.798	9.798	(0.982)	65862	2.50000	2.407
79	4-Isopropyltoluene	119	9.940	9.940	(0.996)	51716	2.50000	2.343
80	1,3-Dichlorobenzene	146	9.916	9.916	(0.994)	33126	2.50000	2.651
81	1,4-Dichlorobenzene	146	9.999	9.999	(1.002)	34639	2.50000	2.660
82	n-Butylbenzene	91	10.342	10.342	(1.037)	45636	2.50000	2.299
83	1,2-Dichlorobenzene	146	10.366	10.366	(1.039)	29767	2.50000	2.530
84	1,2-Dibromo-3-chloropropane	157	11.146	11.146	(1.117)	1810	2.50000	2.430
85	1,2,4-Trichlorobenzene	180	11.963	11.963	(1.199)	20080	2.50000	2.626
86	Hexachlorobutadiene	225	12.140	12.140	(1.217)	8380	2.50000	2.742
87	Naphthalene	128	12.211	12.211	(1.224)	36263	2.50000	2.266
88	1,2,3-Trichlorobenzene	180	12.460	12.460	(1.249)	19463	2.50000	2.753
98	Cyclohexane	56	4.627	4.627	(0.907)	35167	2.50000	2.791
143	Methyl Acetate	43	3.041	3.041	(0.596)	34592	5.00000	5.244
144	Methylcyclohexane	83	5.573	5.573	(1.093)	26256	2.50000	2.810
141	1,3,5-Trichlorobenzene	180	11.359	11.359	(1.139)	23894	2.50000	2.769


Data File: \\qcanon04\dd\chem\MSV\a3ux9,i\NB06304,b\UX94650.D
Date : 30-JUN-2005 20:23
Client ID:
Sample Info: 2.5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9,i
Operator: 1903
Column diameter: 0.18
\\qcanon04\dd\chem\MSV\a3ux9,i\NB06304,b\UX94650.D
Y (x10^6)
Min
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride+
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
-Xylene-o+
-Bromoform
-1,2-Dichloroethene, total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,4-Dichloro-2-butene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94651.D
Report Date: 30-Jun-2005 21:33

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94651.D
Lab Smp Id: ICV/CHK
Inj Date : 30-JUN-2005 20:46
Operator : 1903 Inst ID: a3ux9.i
Smp Info : ICV/CHK
Misc Info : N50630A,8260MIUX9,2-8260.SUB,1903,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Meth Date : 30-Jun-2005 21:29 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 14 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.098	5.100	(1.000)	914855	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.750	(1.000)	699758	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.975	(1.000)	361206	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.532	(0.891)	164920	46.9139	9.383
$ 5 1,2-Dichloroethane-d4	65	4.814	4.816	(0.944)	207833	43.0705	8.614
$ 6 Toluene-d8	98	6.435	6.438	(0.830)	832848	47.5733	9.515
$ 7 Bromofluorobenzene	95	8.849	8.851	(1.142)	319073	46.4010	9.280
8 Dichlorodifluoromethane	85	1.560	1.562	(0.306)	139892	43.6227	8.724
9 Chloromethane	50	1.702	1.704	(0.334)	431356	44.2005	8.840
10 Vinyl Chloride	62	1.796	1.799	(0.352)	316311	51.4542	10.291
11 Bromomethane	94	2.045	2.059	(0.401)	96994	46.6265	9.325
12 Chloroethane	64	2.139	2.142	(0.420)	205968	52.2799	10.456
13 Trichlorofluoromethane	101	2.341	2.343	(0.459)	187608	45.0809	9.016
15 Acrolein	56	2.660	2.675	(0.522)	562830	604.641	120.93(A)
16 Acetone	43	2.778	2.781	(0.545)	142581	33.6271	6.725
17 1,1-Dichloroethene	61	2.755	2.758	(0.540)	381042	46.2790	9.256
18 Freon-113	151	2.755	2.746	(0.540)	151507	51.3436	10.269
19 Iodomethane	142	2.909	2.900	(0.571)	27812	6.38146	1.276
20 Carbon Disulfide	76	2.956	2.959	(0.580)	679768	48.0343	9.607
21 Methylene Chloride	84	3.133	3.148	(0.615)	280640	50.3842	10.077
22 Acetonitrile	41	3.003	3.006	(0.589)	489707	479.956	95.991(A)
23 Acrylonitrile	53	3.323	3.325	(0.652)	1481190	504.067	100.81(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94651.D
Report Date: 30-Jun-2005 21:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.346	3.349	(0.656)	692784	49.5916	9.918
	25 trans-1,2-Dichloroethene	61	3.358	3.349	(0.659)	396820	46.8750	9.375
	26 Hexane	57	3.583	3.574	(0.703)	488675	48.6064	9.721
	27 Vinyl acetate	43	3.583	3.716	(0.703)	352752	27.4798	5.496
	28 1,1-Dichloroethane	63	3.690	3.692	(0.724)	495333	49.1534	9.831
	29 tert-Butyl Alcohol	59	3.216	3.207	(0.631)	3810	6.75465	1.351
	30 2-Butanone	43	4.151	4.154	(0.814)	194395	42.6122	8.522
M	31 1,2-Dichloroethene (total)	61				802840	90.6762	18.135
	32 cis-1,2-dichloroethene	61	4.151	4.154	(0.814)	406020	43.8012	8.760
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.411	4.414	(0.865)	365759	48.9620	9.792
	36 Tetrahydrofuran	42	4.624	4.390	(0.907)	147649	56.9538	11.391
	37 1,1,1-Trichloroethane	97	4.577	4.580	(0.898)	282507	48.2928	9.658
	38 1,1-Dichloropropene	75	4.873	4.698	(0.956)	18275	2.89056	0.5781
	39 Carbon Tetrachloride	117	4.719	4.710	(0.926)	194106	46.4724	9.294
	40 1,2-Dichloroethane	62	4.873	4.876	(0.956)	383433	49.8927	9.978
	41 Benzene	78	4.873	4.876	(0.956)	1052124	46.9493	9.390
	42 Trichloroethene	130	5.405	5.408	(1.060)	255499	47.5718	9.514
	43 1,2-Dichloropropane	63	5.595	5.586	(1.097)	319101	50.6344	10.127
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.689	5.692	(1.116)	1921	0.68419	0.1368
	46 Bromodichloromethane	83	5.819	5.822	(1.142)	244723	48.2593	9.652
	47 2-Chloroethyl vinyl ether	63	6.056	6.047	(1.188)	79657	42.9851	8.597
	48 cis-1,3-Dichloropropene	75	6.198	6.201	(1.216)	357734	47.0350	9.407
	49 4-Methyl-2-pentanone	43	6.316	6.319	(1.239)	431513	52.5590	10.512
	50 Toluene	91	6.494	6.497	(0.838)	1182488	49.2405	9.848
	51 trans-1,3-Dichloropropene	75	6.671	6.674	(0.861)	313159	47.3669	9.473
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.849	6.840	(0.884)	237925	49.9581	9.992
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.003	6.994	(0.904)	203054	46.0222	9.204
	56 2-Hexanone	43	7.050	7.053	(0.910)	293360	46.7701	9.354
	57 Dibromochloromethane	129	7.216	7.207	(0.931)	147704	42.7787	8.556
	58 1,2-Dibromoethane	107	7.322	7.325	(0.945)	226722	49.3792	9.876
	59 Chlorobenzene	112	7.772	7.775	(1.003)	804526	48.4019	9.680
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.867	7.869	(1.015)	1317402	48.5791	9.716
	62 m + p-Xylene	91	7.973	7.976	(1.029)	2065926	95.9082	19.182
M	63 Xylenes (total)	91				3117026	143.864	28.773
	64 Xylene-o	91	8.352	8.353	(1.078)	1051100	47.9561	9.591
	65 Styrene	104	8.364	8.366	(1.079)	858962	49.4180	9.884
	66 Bromoform	173	8.541	8.544	(1.102)	68754	42.1348	8.427
	67 Isopropylbenzene	105	8.695	8.698	(1.122)	1270640	50.9373	10.187
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.982	(0.899)	312603	50.8702	10.174
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	78 sec-Butylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94651.D
Report Date: 30-Jun-2005 21:33

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	9.914	9.916	(0.993)	610186	47.0755	9.415
81	1,4-Dichlorobenzene	146	10.008	9.999	(1.002)	633795	46.9238	9.385
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	10.375	10.366	(1.039)	571272	46.8090	9.362
84	1,2-Dibromo-3-chloropropane	157	11.144	11.147	(1.116)	36824	42.2694	8.454
85	1,2,4-Trichlorobenzene	180	11.973	11.963	(1.199)	366599	46.2210	9.244
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	4.624	4.627	(0.907)	561088	44.6589	8.932
143	Methyl Acetate	43	3.039	3.042	(0.596)	304790	46.3378	9.268
144	Methylcyclohexane	83	5.583	5.574	(1.095)	418680	44.9484	8.990
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94651.D
Report Date: 30-Jun-2005 21:33

STL North Canton

RECOVERY REPORT

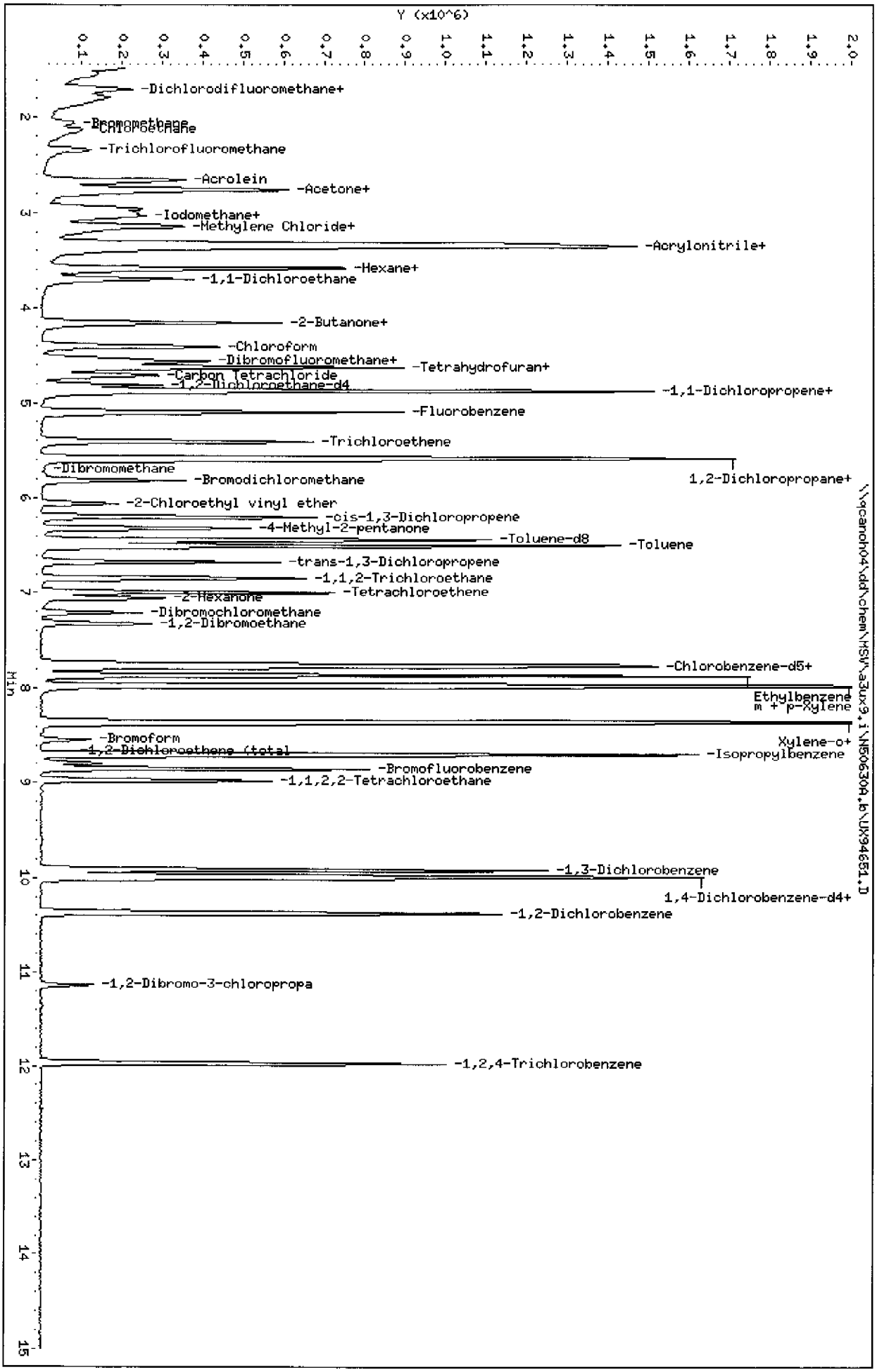
Client Name: Client SDG: SDGa01252
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: ICV/CHK
Level: LOW Operator: 1903
Data Type: MS DATA SampleType: METHSPIKE
SpikeList File: plexus-ck.spk Quant Type: ISTD
Sublist File: 2-8260.SUB
Method File: \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\8260MIUX9.m
Misc Info: N50630A,8260MIUX9,2-8260.SUB,1903,3

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17	1,1-Dichloroethene	10.000	9.256	92.56	45-155
	42	Trichloroethene	10.000	9.514	95.14	45-155
	59	Chlorobenzene	10.000	9.680	96.80	45-155
	50	Toluene	10.000	9.848	98.48	45-155
	41	Benzene	10.000	9.390	93.90	45-155
	16	Acetone	10.000	6.725	67.25	45-155
	20	Carbon Disulfide	10.000	9.607	96.07	45-155
	9	Chloromethane	10.000	8.840	88.40	45-155
	11	Bromomethane	10.000	9.325	93.25	45-155
	10	Vinyl Chloride	10.000	10.291	102.91	45-155
	12	Chloroethane	10.000	10.456	104.56	45-155
	21	Methylene Chloride	10.000	10.077	100.77	45-155
	28	1,1-Dichloroethane	10.000	9.831	98.31	45-155
M	31	1,2-Dichloroethene	20.000	18.135	90.68	45-155
	35	Chloroform	10.000	9.792	97.92	45-155
	40	1,2-Dichloroethane	10.000	9.978	99.79	45-155
	30	2-Butanone	10.000	8.522	85.22	45-155
	37	1,1,1-Trichloroeth	10.000	9.658	96.59	45-155
	39	Carbon Tetrachlori	10.000	9.294	92.94	45-155
	46	Bromodichlorometha	10.000	9.652	96.52	45-155
	43	1,2-Dichloropropan	10.000	10.127	101.27	45-155
	48	cis-1,3-Dichloropr	10.000	9.407	94.07	45-155
	57	Dibromochlorometha	10.000	8.556	85.56	45-155
	53	1,1,2-Trichloroeth	10.000	9.992	99.92	45-155
	51	trans-1,3-Dichloro	10.000	9.473	94.73	45-155
	66	Bromoform	10.000	8.427	84.27	45-155
	49	4-Methyl-2-pentano	10.000	10.512	105.12	45-155
	56	2-Hexanone	10.000	9.354	93.54	45-155
	55	Tetrachloroethene	10.000	9.204	92.04	45-155
	68	1,1,2,2-Tetrachlor	10.000	10.174	101.74	45-155
	61	Ethylbenzene	10.000	9.716	97.16	45-155
	65	Styrene	10.000	9.884	98.84	45-155
M	63	Xylenes (total)	30.000	28.773	95.91	45-155
	32	cis-1,2-dichloroet	10.000	8.760	87.60	45-155
	25	trans-1,2-Dichloro	10.000	9.375	93.75	45-155
	8	Dichlorodifluorome	10.000	8.724	87.25	45-155
	13	Trichlorofluoromet	10.000	9.016	90.16	45-155
	18	Freon-113	10.000	10.269	102.69	45-155
	24	Methyl tert-butyl	10.000	9.918	99.18	45-155
	58	1,2-Dibromoethane	10.000	9.876	98.76	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\UX94651.D
Report Date: 30-Jun-2005 21:33

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
67 Isopropylbenzene	10.000	10.187	101.87	45-155
80 1,3-Dichlorobenzen	10.000	9.415	94.15	45-155
81 1,4-Dichlorobenzen	10.000	9.385	93.85	45-155
83 1,2-Dichlorobenzen	10.000	9.362	93.62	45-155
84 1,2-Dibromo-3-chlo	10.000	8.454	84.54	45-155
85 1,2,4-Trichloroben	10.000	9.244	92.44	45-155
98 Cyclohexane	10.000	8.932	89.32	45-155
143 Methyl Acetate	10.000	9.268	92.68	45-155
144 Methylcyclohexane	10.000	8.990	89.90	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.383	93.83	73-122
$ 5 1,2-Dichloroethane	10.000	8.614	86.14	61-128
$ 6 Toluene-d8	10.000	9.515	95.15	76-110
$ 7 Bromofluorobenzene	10.000	9.280	92.80	74-116



Data File: \\qcanoh04\dd\chem\MSV\a3ux9,i\N506304,b\UX94651.D
Date : 30-JUN-2005 20:46
Client ID:
Sample Info: ICV/CHK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9,i
Operator: 1903
Column diameter: 0.18

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Start Cal Date: 30-JUN-2005 16:03
End Cal Date : 30-JUN-2005 20:23
Last Cal Level: 1
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 2.50000		
30-JUN-2005 20:23	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94650.D
30-JUN-2005 18:01	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94644.D
Cal Level: 2 , Cal Amount: 10.00000		
30-JUN-2005 19:59	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94649.D
30-JUN-2005 17:37	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94643.D
Cal Level: 3 , Cal Amount: 25.00000		
30-JUN-2005 19:36	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94648.D
30-JUN-2005 17:14	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94642.D
Cal Level: 4 , Cal Amount: 50.00000		
30-JUN-2005 19:12	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94647.D
30-JUN-2005 16:50	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94641.D
Cal Level: 5 , Cal Amount: 100.00000		
30-JUN-2005 18:48	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94646.D
30-JUN-2005 16:26	3-IX	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94640.D
Cal Level: 6 , Cal Amount: 250.00000		
30-JUN-2005 18:24	2-8260	\\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\UX94645.D
30-JUN-2005 16:03	3-IX	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

13-JUL-2005 18:02	2-8260	
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94888.D		
13-JUL-2005 17:38	3-IX	
\\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94887.D		
13-JUL-2005 17:14	2-8260	
~~\\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94886.D~~		

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94888.D
Report Date: 13-Jul-2005 18:23

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 13-JUL-2005 18:02
Lab File ID: UX94888.D Init. Cal. Date(s): 30-JUN-2005 30-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:03 20:23
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	50.00000	44.59525	0.17125	0.010	10.80950	0.000e+000	Linear	
$ 5 1,2-Dichloroethane-d4	50.00000	45.08880	0.23824	0.010	9.82240	0.000e+000	Linear	
$ 6 Toluene-d8	50.00000	46.99117	1.17533	0.010	6.01767	0.000e+000	Linear	
$ 7 Bromofluorobenzene	50.00000	46.37482	0.45571	0.010	7.25035	0.000e+000	Linear	
8 Dichlorodifluoromethane	0.17527	0.27731	0.27731	0.010	-58.22175	50.00000	Averaged	<-
9 Chloromethane	0.53337	0.59276	0.59276	0.100	-11.13578	50.00000	Averaged	
10 Vinyl Chloride	0.33598	0.39415	0.39415	0.010	-17.31298	20.00000	Averaged	
11 Bromomethane	0.11369	0.19541	0.19541	0.010	-71.87373	50.00000	Averaged	<-
12 Chloroethane	0.21532	0.23247	0.23247	0.010	-7.96508	50.00000	Averaged	
13 Trichlorofluoromethane	50.00000	74.96419	0.33082	0.010	-49.92838	0.000e+000	Linear	
15 Acrolein	0.05087	0.06157	0.06157	0.010	-21.02547	50.00000	Averaged	
16 Acetone	100	136	0.24631	0.010	-36.47686	0.000e+000	Linear	
17 1,1-Dichloroethene	0.44999	0.47913	0.47913	0.010	-6.47520	20.00000	Averaged	
18 Freon-113	0.16127	0.17908	0.17908	0.010	-11.03853	50.00000	Averaged	
19 Iodomethane	50.00000	41.48835	0.15785	0.010	17.02330	0.000e+000	Linear	
20 Carbon Disulfide	0.77344	0.79327	0.79327	0.010	-2.56410	50.00000	Averaged	
21 Methylene Chloride	50.00000	47.23113	0.28860	0.010	5.53774	0.000e+000	Linear	
22 Acetonitrile	0.05576	0.06641	0.06641	0.010	-19.09068	50.00000	Averaged	
23 Acrylonitrile	0.16060	0.16619	0.16619	0.010	-3.48102	50.00000	Averaged	
24 Methyl tert-butyl ether	0.76350	0.54207	0.54207	0.010	29.00115	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.46267	0.44487	0.44487	0.010	3.84641	50.00000	Averaged	
26 Hexane	0.54947	0.56726	0.56726	0.010	-3.23713	20.00000	Averaged	
27 Vinyl acetate	0.70157	0.63998	0.63998	0.010	8.77961	50.00000	Averaged	
28 1,1-Dichloroethane	0.55076	0.53762	0.53762	0.100	2.38533	50.00000	Averaged	
29 tert-Butyl Alcohol	0.03083	0.01842	0.01842	0.010	40.26177	50.00000	Averaged	
30 2-Butanone	0.24933	0.29609	0.29609	0.010	-18.75399	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.48465	0.45657	0.45657	0.010	5.79189	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.50662	0.46828	0.46828	0.010	7.56791	50.00000	Averaged	
33 2,2-Dichloropropane	0.32273	0.21140	0.21140	0.010	34.49742	50.00000	Averaged	
34 Bromochloromethane	0.12284	0.12403	0.12403	0.010	-0.97068	50.00000	Averaged	
35 Chloroform	0.40828	0.41429	0.41429	0.010	-1.47366	20.00000	Averaged	
36 Tetrahydrofuran	50.00000	44.27448	0.12733	0.010	11.45103	0.000e+000	Linear	
37 1,1,1-Trichloroethane	0.31972	0.30702	0.30702	0.010	3.97101	50.00000	Averaged	
38 1,1-Dichloropropene	0.34554	0.35908	0.35908	0.010	-3.92040	50.00000	Averaged	
39 Carbon Tetrachloride	0.22828	0.18914	0.18914	0.010	17.14624	50.00000	Averaged	
40 1,2-Dichloroethane	0.42002	0.40952	0.40952	0.010	2.50051	50.00000	Averaged	
41 Benzene	1.22477	1.20371	1.20371	0.010	1.71975	50.00000	Averaged	
42 Trichloroethene	0.29353	0.29674	0.29674	0.010	-1.09271	50.00000	Averaged	
43 1,2-Dichloropropane	0.34443	0.34250	0.34250	0.010	0.56099	20.00000	Averaged	
44 1,4-Dioxane	2500	1660	0.00229	0.010	33.61378	0.000e+000	Linear	<-
45 Dibromomethane	0.15345	0.13918	0.13918	0.010	9.29805	50.00000	Averaged	
46 Bromodichloromethane	0.27715	0.26178	0.26178	0.010	5.54511	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.10128	0.01948	0.01948	0.010	80.76552	50.00000	Averaged	<-

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94888.D
Report Date: 13-Jul-2005 18:23

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 13-JUL-2005 18:02
Lab File ID: UX94888.D Init. Cal. Date(s): 30-JUN-2005 30-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:03 20:23
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	50.00000	35.45408	0.28658	0.010	29.09185	0.000e+000	Linear
49 4-Methyl-2-pentanone	0.44871	0.47992	0.47992	0.010	-6.95511	50.00000	Averaged
50 Toluene	1.71592	1.75053	1.75053	0.010	-2.01706	20.00000	Averaged
51 trans-1,3-Dichloropropene	50.00000	32.99158	0.29971	0.010	34.01683	0.000e+000	Linear
52 Ethyl Methacrylate	0.49554	0.48378	0.48378	0.010	2.37223	50.00000	Averaged
53 1,1,2-Trichloroethane	0.34030	0.33766	0.33766	0.010	0.77354	50.00000	Averaged
54 1,3-Dichloropropane	0.60767	0.54780	0.54780	0.010	9.85208	50.00000	Averaged
55 Tetrachloroethene	0.31526	0.33625	0.33625	0.010	-6.65893	50.00000	Averaged
56 2-Hexanone	0.44818	0.61662	0.61662	0.010	-37.58292	50.00000	Averaged
57 Dibromochloromethane	50.00000	44.09014	0.21843	0.010	11.81972	0.000e+000	Linear
58 1,2-Dibromoethane	0.32807	0.21291	0.21291	0.010	35.10188	50.00000	Averaged
59 Chlorobenzene	1.18768	1.13536	1.13536	0.300	4.40577	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.30507	0.28139	0.28139	0.010	7.76184	50.00000	Averaged
61 Ethylbenzene	1.93772	1.85936	1.85936	0.010	4.04402	20.00000	Averaged
62 m + p-Xylene	1.53915	1.47955	1.47955	0.010	3.87211	50.00000	Averaged
M 63 Xylenes (total)	1.54814	1.49211	1.49211	0.010	3.61885	50.00000	Averaged
64 Xylene-o	1.56611	1.51724	1.51724	0.010	3.12080	50.00000	Averaged
65 Styrene	1.24197	1.24994	1.24994	0.010	-0.64159	50.00000	Averaged
66 Bromoform	50.00000	45.70951	0.10951	0.100	8.58098	0.000e+000	Linear
67 Isopropylbenzene	1.78241	1.73186	1.73186	0.010	2.83615	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.85064	0.85512	0.85512	0.300	-0.52723	50.00000	Averaged
70 1,2,3-Trichloropropane	0.28309	0.26798	0.26798	0.010	5.33796	50.00000	Averaged
71 Bromobenzene	0.87900	0.85084	0.85084	0.010	3.20288	50.00000	Averaged
72 n-Propylbenzene	4.38059	4.18645	4.18645	0.010	4.43186	50.00000	Averaged
73 2-Chlorotoluene	0.90447	0.86536	0.86536	0.010	4.32468	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.97693	2.87846	2.87846	0.010	3.30798	50.00000	Averaged
75 4-Chlorotoluene	0.96897	0.90294	0.90294	0.010	6.81388	50.00000	Averaged
76 tert-Butylbenzene	2.64889	2.56424	2.56424	0.010	3.19567	50.00000	Averaged
77 1,2,4-Trimethylbenzene	3.06089	2.92090	2.92090	0.010	4.57339	50.00000	Averaged
78 sec-Butylbenzene	3.92934	3.82842	3.82842	0.010	2.56854	50.00000	Averaged
79 4-Isopropyltoluene	3.16896	2.96483	2.96483	0.010	6.44156	50.00000	Averaged
80 1,3-Dichlorobenzene	1.79425	1.70500	1.70500	0.010	4.97407	50.00000	Averaged
81 1,4-Dichlorobenzene	1.86970	1.76172	1.76172	0.010	5.77491	50.00000	Averaged
82 n-Butylbenzene	2.84977	2.48987	2.48987	0.010	12.62917	50.00000	Averaged
83 1,2-Dichlorobenzene	1.68939	1.59071	1.59071	0.010	5.84119	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	50.00000	41.09684	0.09871	0.010	17.80631	0.000e+000	Linear
85 1,2,4-Trichlorobenzene	1.09791	0.99579	0.99579	0.010	9.30121	50.00000	Averaged
86 Hexachlorobutadiene	0.43885	0.43560	0.43560	0.010	0.74183	50.00000	Averaged
87 Naphthalene	2.29790	2.42560	2.42560	0.010	-5.55744	50.00000	Averaged
88 1,2,3-Trichlorobenzene	1.01505	0.94387	0.94387	0.010	7.01261	50.00000	Averaged
98 Cyclohexane	0.68666	0.74799	0.74799	0.010	-8.93252	50.00000	Averaged
143 Methyl Acetate	0.35949	0.33964	0.33964	0.010	5.52055	50.00000	Averaged
144 Methylcyclohexane	0.50908	0.53526	0.53526	0.010	-5.14326	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94888.D
Report Date: 13-Jul-2005 18:23

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux9.i Injection Date: 13-JUL-2005 18:02
Lab File ID: UX94888.D Init. Cal. Date(s): 30-JUN-2005 30-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:03 20:23
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 1,3,5-Trichlorobenzene	1.23909	1.09946	1.09946	0.010	11.26843	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94888.D
Report Date: 13-Jul-2005 18:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94888.D
Lab Smp Id: 50NG-CC
Inj Date : 13-JUL-2005 18:02
Operator : 1903 Inst ID: a3ux9.i
Smp Info : 50NG-CC
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	5.098	5.098	(1.000)	636913	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	464540	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	249327	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	109070	50.0000	44.595
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	151737	50.0000	45.089
$ 6 Toluene-d8	98	6.447	6.447	(0.832)	545988	50.0000	46.991
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	211697	50.0000	46.375
8 Dichlorodifluoromethane	85	1.560	1.560	(0.306)	176622	50.0000	79.111
9 Chloromethane	50	1.702	1.702	(0.334)	377538	50.0000	55.568
10 Vinyl Chloride	62	1.785	1.785	(0.350)	251037	50.0000	58.656
11 Bromomethane	94	2.069	2.069	(0.406)	124457	50.0000	85.937
12 Chloroethane	64	2.140	2.140	(0.420)	148063	50.0000	53.982
13 Trichlorofluoromethane	101	2.353	2.353	(0.462)	210703	50.0000	74.964
15 Acrolein	56	2.672	2.672	(0.524)	392152	500.000	605.13(A)
16 Acetone	43	2.791	2.791	(0.547)	313757	100.000	136.48
17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	305165	50.0000	53.238
18 Freon-113	151	2.767	2.767	(0.543)	114056	50.0000	55.519
19 Iodomethane	142	2.897	2.897	(0.568)	100537	50.0000	41.488
20 Carbon Disulfide	76	2.956	2.956	(0.580)	505245	50.0000	51.282

21 Methylene Chloride	84	3.145	3.145 (0.617)	183815	50.0000	47.231
22 Acetonitrile	41	3.015	3.015 (0.592)	422971	500.000	595.45(A)
23 Acrylonitrile	53	3.323	3.323 (0.652)	1058476	500.000	517.40(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94888.D
Report Date: 13-Jul-2005 18:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.358	3.358	(0.659)	345254	50.0000	35.499
	25 trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	283345	50.0000	48.077
	26 Hexane	57	3.583	3.583	(0.703)	361294	50.0000	51.618
	27 Vinyl acetate	43	3.725	3.725	(0.731)	407611	50.0000	45.610
	28 1,1-Dichloroethane	63	3.702	3.702	(0.726)	342418	50.0000	48.807
	29 tert-Butyl Alcohol	59	3.216	3.216	(0.631)	234586	1000.00	597.38(A)
	30 2-Butanone	43	4.163	4.163	(0.817)	377161	100.000	118.75
M	31 1,2-Dichloroethene (total)	61				581596	100.000	94.293
	32 cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	298251	50.0000	46.216
	33 2,2-Dichloropropane	77	4.163	4.163	(0.817)	134642	50.0000	32.751
	34 Bromochloromethane	128	4.364	4.364	(0.856)	78997	50.0000	50.485
	35 Chloroform	83	4.412	4.412	(0.865)	263868	50.0000	50.737
	36 Tetrahydrofuran	42	4.400	4.400	(0.863)	81098	50.0000	44.274
	37 1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	195545	50.0000	48.014
	38 1,1-Dichloropropene	75	4.707	4.707	(0.923)	228704	50.0000	51.960
	39 Carbon Tetrachloride	117	4.719	4.719	(0.926)	120463	50.0000	41.427
	40 1,2-Dichloroethane	62	4.885	4.885	(0.958)	260827	50.0000	48.750
	41 Benzene	78	4.885	4.885	(0.958)	766658	50.0000	49.140
	42 Trichloroethene	130	5.406	5.406	(1.060)	188998	50.0000	50.546
	43 1,2-Dichloropropane	63	5.595	5.595	(1.097)	218141	50.0000	49.720
	44 1,4-Dioxane	88	5.701	5.701	(1.118)	73034	2500.00	1659.6(A)
	45 Dibromomethane	93	5.690	5.690	(1.116)	88647	50.0000	45.351
	46 Bromodichloromethane	83	5.820	5.820	(1.142)	166731	50.0000	47.227
	47 2-Chloroethyl vinyl ether	63	6.068	6.068	(1.190)	24815	100.000	19.234
	48 cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	182529	50.0000	35.454
	49 4-Methyl-2-pentanone	43	6.317	6.317	(1.239)	611331	100.000	106.96
	50 Toluene	91	6.506	6.506	(0.840)	813190	50.0000	51.008
	51 trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	139226	50.0000	32.992
	52 Ethyl Methacrylate	69	6.743	6.743	(0.870)	224737	50.0000	48.814
	53 1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	156858	50.0000	49.613
	54 1,3-Dichloropropane	76	7.003	7.003	(0.904)	254475	50.0000	45.074
	55 Tetrachloroethene	164	7.003	7.003	(0.904)	156202	50.0000	53.329
	56 2-Hexanone	43	7.062	7.062	(0.911)	572891	100.000	137.58
	57 Dibromochloromethane	129	7.216	7.216	(0.931)	101471	50.0000	44.090
	58 1,2-Dibromoethane	107	7.322	7.322	(0.945)	98907	50.0000	32.449
	59 Chlorobenzene	112	7.772	7.772	(1.003)	527418	50.0000	47.797
	60 1,1,1,2-Tetrachloroethane	131	7.843	7.843	(1.012)	130717	50.0000	46.119
	61 Ethylbenzene	91	7.867	7.867	(1.015)	863746	50.0000	47.978
	62 m + p-Xylene	91	7.973	7.973	(1.029)	1374623	100.000	96.128
M	63 Xylenes (total)	91				2079440	150.000	144.57
	64 Xylene-o	91	8.352	8.352	(1.078)	704817	50.0000	48.440
	65 Styrene	104	8.364	8.364	(1.079)	580646	50.0000	50.321
	66 Bromoform	173	8.541	8.541	(1.102)	50870	50.0000	45.710
	67 Isopropylbenzene	105	8.707	8.707	(1.124)	804519	50.0000	48.582
	68 1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	213205	50.0000	50.264
	70 1,2,3-Trichloropropane	110	9.026	9.026	(0.904)	66814	50.0000	47.331
	71 Bromobenzene	156	9.003	9.003	(0.902)	212138	50.0000	48.398
	72 n-Propylbenzene	91	9.097	9.097	(0.911)	1043795	50.0000	47.784
	73 2-Chlorotoluene	126	9.192	9.192	(0.921)	215757	50.0000	47.838
	74 1,3,5-Trimethylbenzene	105	9.263	9.263	(0.928)	717677	50.0000	48.346
	75 4-Chlorotoluene	126	9.287	9.287	(0.930)	225128	50.0000	46.593
	76 tert-Butylbenzene	119	9.583	9.583	(0.960)	639335	50.0000	48.402

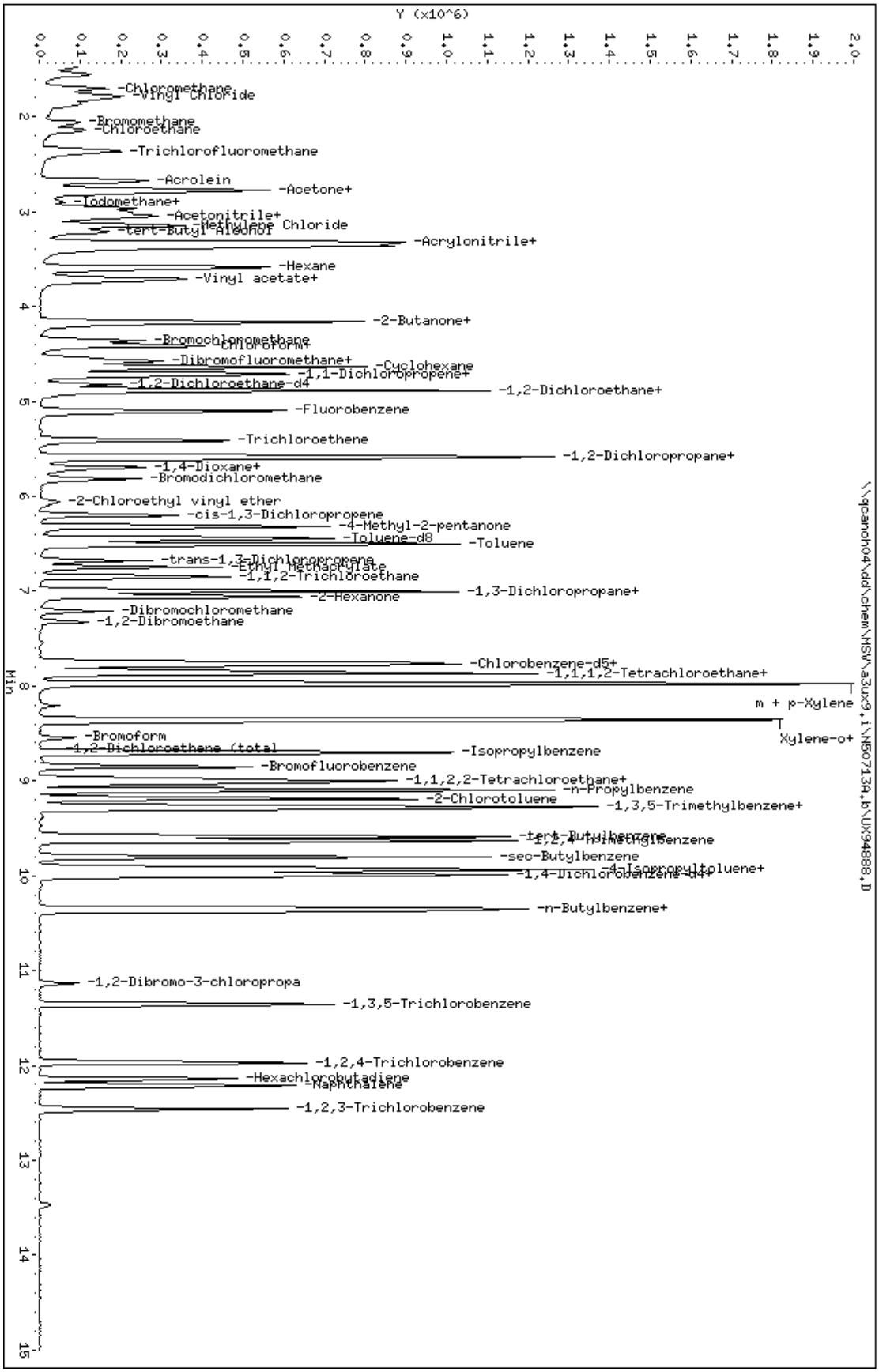
77	1,2,4-Trimethylbenzene	105	9.630	9.630 (0.964)	728260	50.0000	47.713
78	sec-Butylbenzene	105	9.807	9.807 (0.982)	954528	50.0000	48.716

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94888.D
Report Date: 13-Jul-2005 18:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
79	4-Isopropyltoluene	119	9.938	9.938	(0.995)	739211	50.0000	46.779
80	1,3-Dichlorobenzene	146	9.914	9.914	(0.993)	425103	50.0000	47.513
81	1,4-Dichlorobenzene	146	10.009	10.009	(1.002)	439245	50.0000	47.112
82	n-Butylbenzene	91	10.352	10.352	(1.037)	620791	50.0000	43.685
83	1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	396606	50.0000	47.079
84	1,2-Dibromo-3-chloropropane	157	11.144	11.144	(1.116)	24610	50.0000	41.097
85	1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	248278	50.0000	45.349
86	Hexachlorobutadiene	225	12.150	12.150	(1.217)	108606	50.0000	49.629
87	Naphthalene	128	12.209	12.209	(1.223)	604768	50.0000	52.779
88	1,2,3-Trichlorobenzene	180	12.458	12.458	(1.248)	235333	50.0000	46.494
98	Cyclohexane	56	4.636	4.636	(0.909)	476407	50.0000	54.466
143	Methyl Acetate	43	3.051	3.051	(0.598)	432644	100.000	94.479
144	Methylcyclohexane	83	5.583	5.583	(1.095)	340916	50.0000	52.572
141	1,3,5-Trichlorobenzene	180	11.357	11.357	(1.137)	274126	50.0000	44.366

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N5071JA.b\UX94888.D
Date : 13-JUL-2005 18:02
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9.i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux9.i\N5071JA.b\UX94888.D
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-Chlorobenzene-d5+
-1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-1,2-Dichloroethene (total
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-4-Isopropyltoluene+
-1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene

SEVERN TRENT STL

RAW QC DATA

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A.b\BFB269.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 30-JUN-2005 15:38
Operator : 1903 Inst ID: a3ux9.i
Smp Info :
Misc Info : N50630A,BFBUX9,,1903
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux9.i\N50630A.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.607	3.500	0.107	95	133760			100.00- 100.00	100.00
3.607	3.500	0.107	50	40968			15.00- 40.00	30.63
3.607	3.500	0.107	75	57632			30.00- 60.00	43.09
3.607	3.500	0.107	96	8867			5.00- 9.00	6.63
3.607	3.500	0.107	173	0	0.0	0.0	0.00- 2.00	0.00
3.607	3.500	0.107	174	97896			50.00- 120.00	73.19
3.607	3.500	0.107	175	7961			5.00- 9.00	8.13
3.607	3.500	0.107	176	94096			95.00- 101.00	96.12
3.607	3.500	0.107	177	8121			5.00- 9.00	8.63

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A-ic.b\BFB269.D

Page 1

Date : 30-JUN-2005 15:38

Client ID: 50NG BFB

Instrument: a3ux9.i

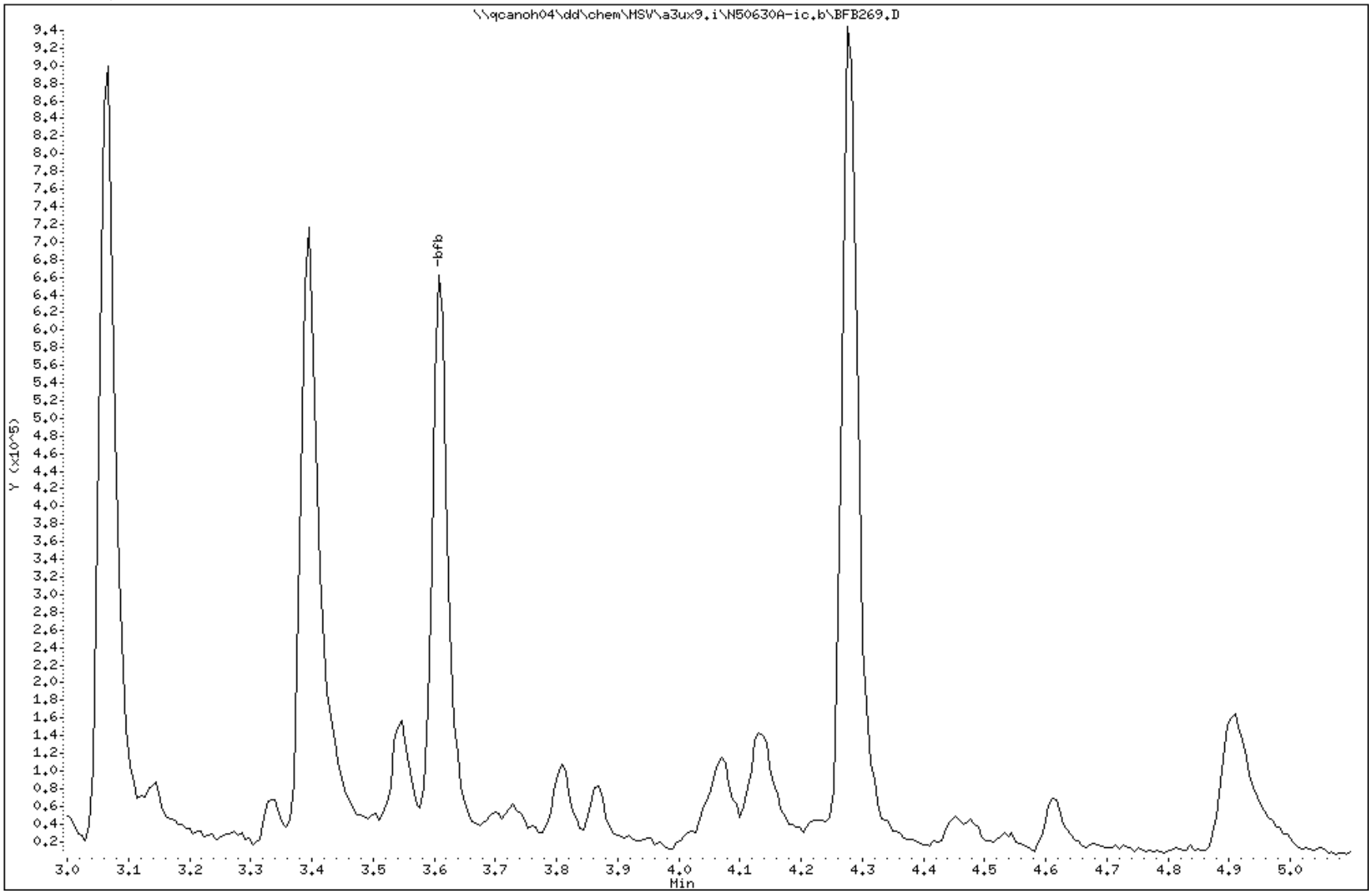
Sample Info:

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50630A-ic.b\BFB269.D

Date : 30-JUN-2005 15:38

Client ID: 50NG BFB

Instrument: a3ux9.i

Sample Info:

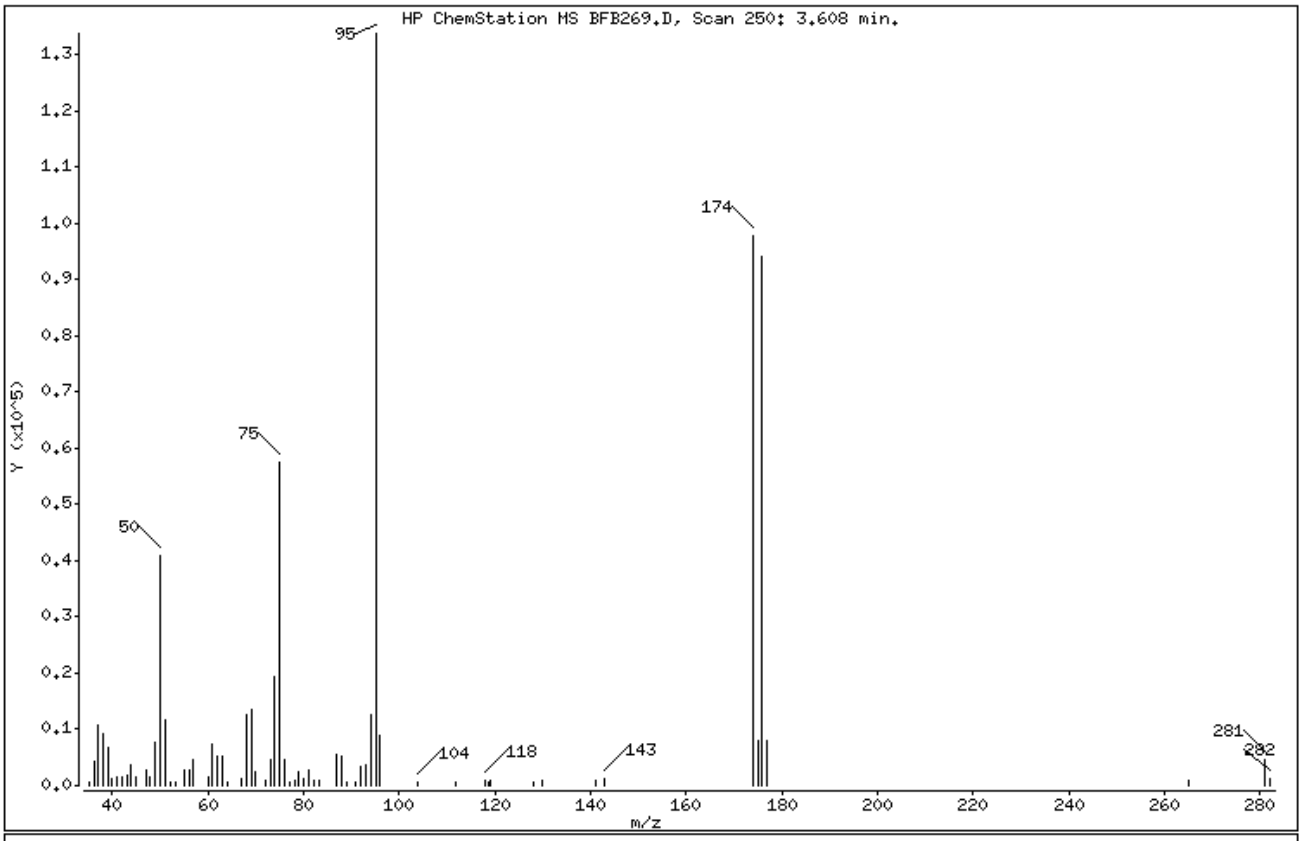
Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 75M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	30.63
75	30.00 - 60.00% of mass 95	43.09
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	73.19
175	5.00 - 9.00% of mass 174	5.95 (8.13)
176	95.00 - 101.00% of mass 174	70.35 (96.12)
177	5.00 - 9.00% of mass 176	6.07 (8.63)

Date : 30-JUN-2005 15:38

Client ID: 50NG BFB Instrument: a3ux9.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1903

Column phase: DB624 75M Column diameter: 0.53

Data File: BFB269.D
Spectrum: HP ChemStation MS BFB269.D, Scan 250: 3.608 min.
Location of Maximum: 95.00
Number of points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.10	646	53.20	622	76.00	4522	103.80	677
36.10	4276	55.00	2727	77.20	524	111.90	533
37.00	10669	56.00	2705	78.10	950	117.80	804
38.10	9131	57.00	4634	78.90	2380	118.80	763
39.10	6743	60.00	1499	80.10	1177	119.00	770
40.00	1131	61.00	7511	81.00	2753	128.00	520
41.10	1472	62.00	5303	82.10	815	130.00	789
42.20	1590	63.00	5355	83.30	1058	140.90	976
43.10	1795	64.00	559	86.90	5676	142.90	1222
44.00	3801	67.10	1152	88.00	5373	174.00	97896
45.00	1479	68.00	12481	89.00	682	175.00	7961
47.00	2622	69.00	13472	90.90	730	175.90	94096
47.90	1451	70.00	2545	92.00	3431	176.90	8121
49.00	7611	72.00	854	93.00	3833	264.90	784
50.00	40968	73.00	4736	94.10	12686	281.10	4751
51.00	11602	74.00	19392	95.00	133760	282.10	1263
52.20	756	75.00	57632	96.00	8867		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\BFB278.D
Lab Smp Id: 50NG BFB Client Smp ID: 50NG BFB
Inj Date : 13-JUL-2005 16:44
Operator : 1903 Inst ID: a3ux9.i
Smp Info :
Misc Info : N50713A,BFBUX9,,1903
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\BFBUX9.m
Meth Date : 03-Sep-2002 15:09 target Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CANPMSV16

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
3.606	3.500	0.106	95	47624			100.00- 100.00	100.00
3.606	3.500	0.106	50	13355			15.00- 40.00	28.04
3.606	3.500	0.106	75	20752			30.00- 60.00	43.57
3.606	3.500	0.106	96	2594			5.00- 9.00	5.45
3.606	3.500	0.106	173	0	0.0	0.0	0.00- 2.00	0.00
3.606	3.500	0.106	174	36424			50.00- 120.00	76.48
3.606	3.500	0.106	175	3186			5.00- 9.00	8.75
3.606	3.500	0.106	176	35792			95.00- 101.00	98.26
3.606	3.500	0.106	177	2823			5.00- 9.00	7.89

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\BFB278.D

Page 1

Date : 13-JUL-2005 16:44

Client ID: 50NG BFB

Instrument: a3ux9.i

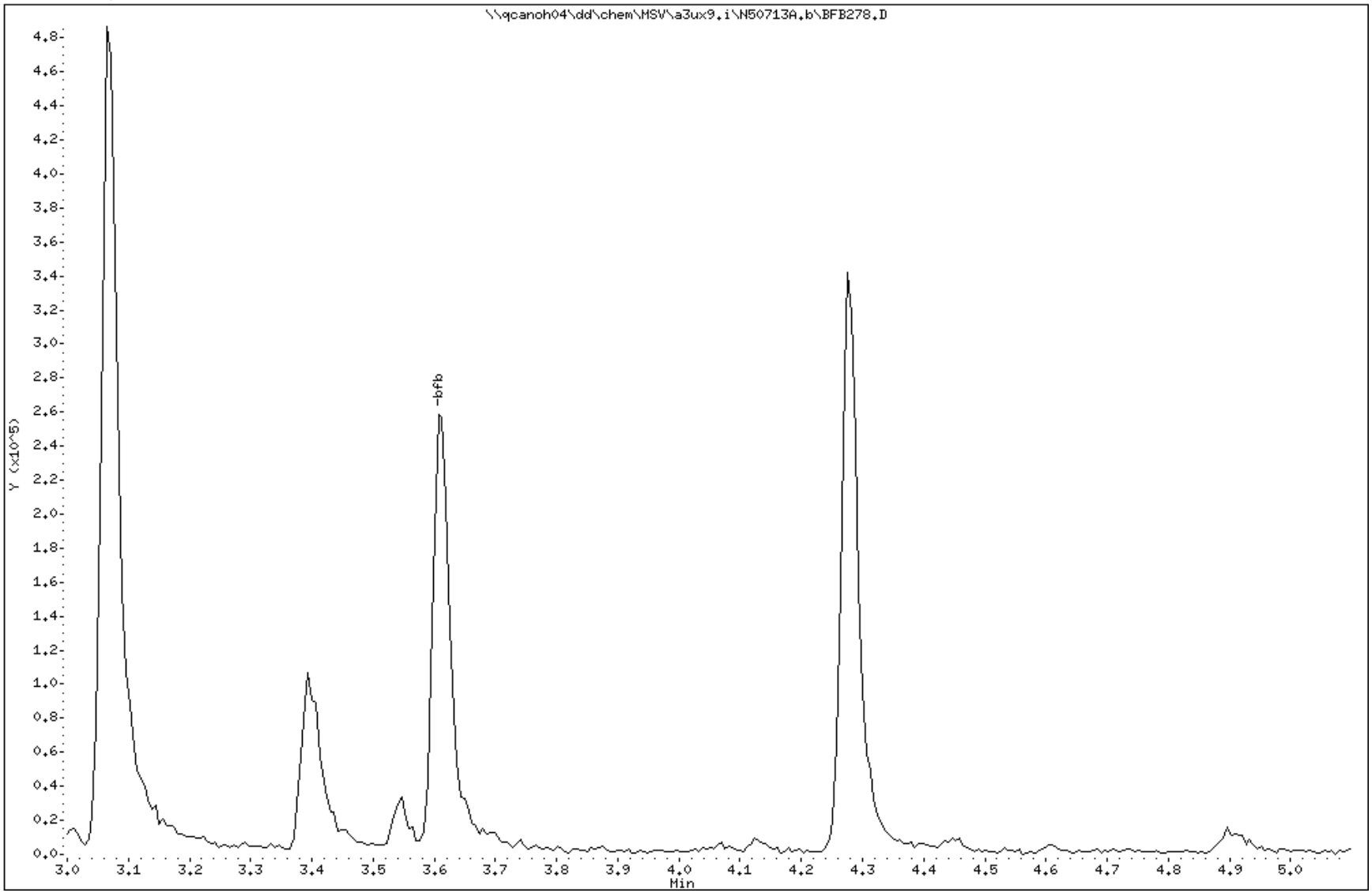
Sample Info:

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 75M

Column diameter: 0.53



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\BFB278.D

Date : 13-JUL-2005 16:44

Client ID: 50NG BFB

Instrument: a3ux9.i

Sample Info:

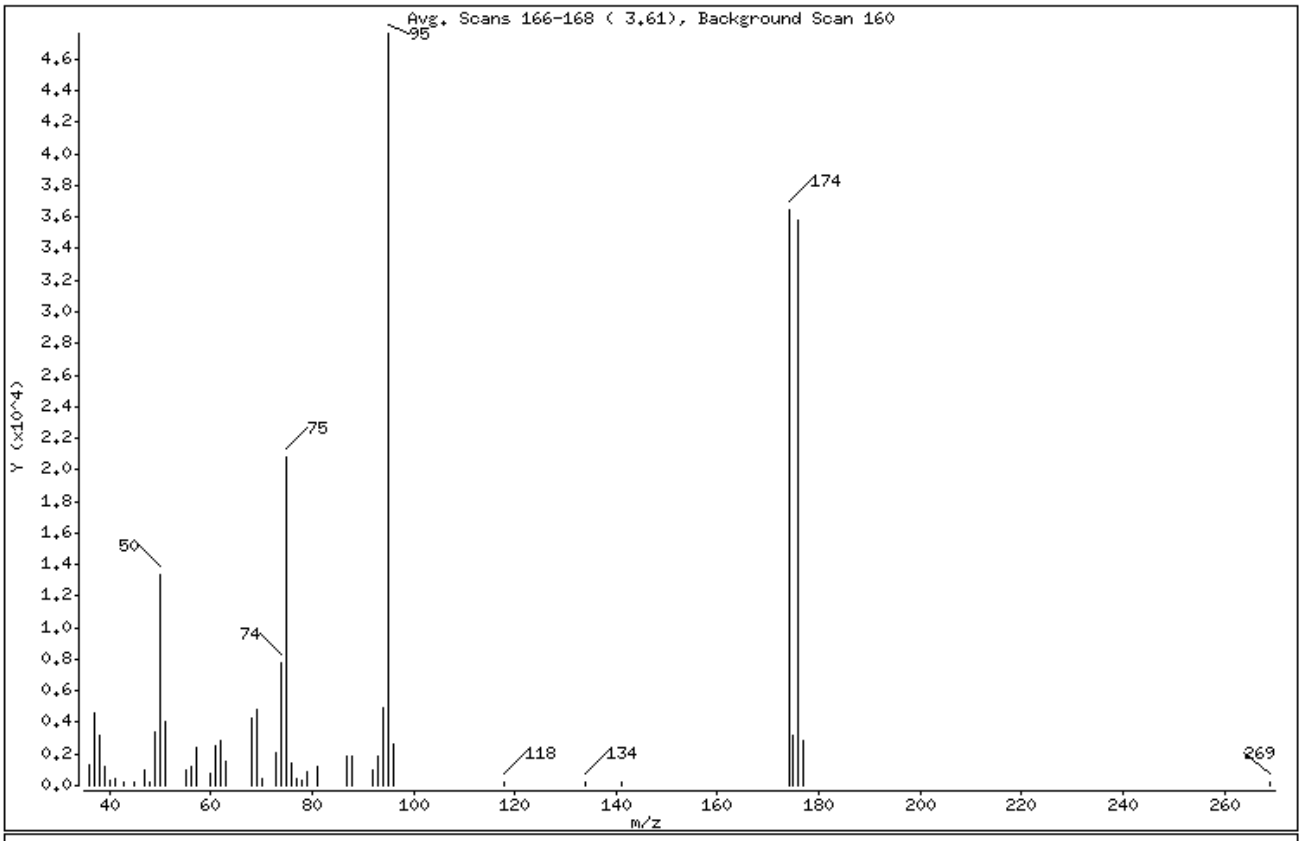
Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 75M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.04
75	30.00 - 60.00% of mass 95	43.57
96	5.00 - 9.00% of mass 95	5.45
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	76.48
175	5.00 - 9.00% of mass 174	6.69 (8.75)
176	95.00 - 101.00% of mass 174	75.16 (98.26)
177	5.00 - 9.00% of mass 176	5.93 (7.89)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\BFB278.D

Date : 13-JUL-2005 16:44

Client ID: 50NG BFB

Instrument: a3ux9.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1903

Column phase: DB624 75M

Column diameter: 0.53

Data File: BFB278.D
Spectrum: Avg. Scans 166-168 (3.61), Background Scan 160
Location of Maximum: 95.00
Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1273	51.00	4038	74.00	7762	95.00	47624
37.00	4567	55.00	1031	75.00	20752	96.00	2594
38.00	3200	56.00	1155	76.00	1441	118.00	193
39.00	1168	57.00	2383	77.00	420	134.00	246
40.00	358	60.00	736	78.00	276	141.00	186
41.00	445	61.00	2520	79.00	902	174.00	36424
43.00	224	62.00	2885	81.00	1202	175.00	3186
45.00	212	63.00	1498	87.00	1841	176.00	35792
47.00	939	68.00	4289	88.00	1861	177.00	2823
48.00	212	69.00	4813	92.00	1024	269.00	182
49.00	3376	70.00	427	93.00	1874		
50.00	13355	73.00	2041	94.00	4947		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5G070131 **Work Order #...:** HFHV81AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G140000-455 HFHV81AD-LCSD
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**101**	**(75 - 122)**			**SW846 8260B**
	100	**(75 - 122)**	**0.89**	**(0-20)**	**SW846 8260B**
Benzene	**98**	**(80 - 116)**			**SW846 8260B**
	95	**(80 - 116)**	**2.9**	**(0-20)**	**SW846 8260B**
Toluene	**102**	**(74 - 119)**			**SW846 8260B**
	101	**(74 - 119)**	**0.75**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**97**	**(76 - 117)**			**SW846 8260B**
	100	**(76 - 117)**	**3.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**96**	**(63 - 130)**			**SW846 8260B**
	98	**(63 - 130)**	**1.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
	89	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
	85	(61 - 128)
Toluene-d8	93	(76 - 110)
	94	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)
	93	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5G070131 **Work Order #...:** HFHV81AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G140000-455 HFHV81AD-LCSD
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195455
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Trichloroethene	**10**	**10**	**ug/L**	**101**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**0.89**	**SW846 8260B**
Benzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**2.9**	**SW846 8260B**
Toluene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**0.75**	**SW846 8260B**
Chlorobenzene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**3.2**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**1.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
	89	(73 - 122)
1,2-Dichloroethane-d4	87	(61 - 128)
	85	(61 - 128)
Toluene-d8	93	(76 - 110)
	94	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)
	93	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94889.D
Report Date: 13-Jul-2005 19:10

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94889.D
Lab Smp Id: CHECK
Inj Date : 13-JUL-2005 18:25
Operator : 1903 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.097	5.098	(1.000)	671673	50.0000	
* 2 Chlorobenzene-d5	117	7.747	7.748	(1.000)	487638	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.984	9.985	(1.000)	236793	50.0000	
$ 4 Dibromofluoromethane	113	4.541	4.542	(0.891)	116897	45.3125	9.062
$ 5 1,2-Dichloroethane-d4	65	4.825	4.826	(0.947)	153554	43.3329	8.666
$ 6 Toluene-d8	98	6.446	6.447	(0.832)	563978	46.2556	9.251
$ 7 Bromofluorobenzene	95	8.848	8.849	(1.142)	216382	45.1827	9.036
8 Dichlorodifluoromethane	85	1.559	1.560	(0.306)	139894	59.4173	11.883
9 Chloromethane	50	1.701	1.702	(0.334)	364990	50.9409	10.188
10 Vinyl Chloride	62	1.784	1.785	(0.350)	264589	58.6236	11.725
11 Bromomethane	94	2.068	2.069	(0.406)	103044	67.4691	13.494
12 Chloroethane	64	2.139	2.140	(0.420)	153161	52.9514	10.590
13 Trichlorofluoromethane	101	2.352	2.353	(0.461)	207510	69.7660	13.953
15 Acrolein	56	2.671	2.672	(0.524)	447285	654.484	130.90(A)
16 Acetone	43	2.789	2.791	(0.547)	96595	29.9506	5.990
17 1,1-Dichloroethene	61	2.766	2.767	(0.543)	289900	47.9572	9.591
18 Freon-113	151	2.766	2.767	(0.543)	120410	55.5789	11.116
19 Iodomethane	142	2.908	2.897	(0.571)	10391	2.26887	0.4538
20 Carbon Disulfide	76	2.955	2.956	(0.580)	515805	49.6445	9.929
21 Methylene Chloride	84	3.144	3.145	(0.617)	187075	45.4802	9.096

22 Acetonitrile	41	3.014	3.015 (0.591)	431625	576.190	115.24(A)
23 Acrylonitrile	53	3.322	3.323 (0.652)	1117793	518.124	103.62(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94889.D
Report Date: 13-Jul-2005 19:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.357	3.358	(0.659)	423022	41.2447	8.249
	25 trans-1,2-Dichloroethene	61	3.369	3.370	(0.661)	298015	47.9491	9.590
	26 Hexane	57	3.594	3.583	(0.705)	368880	49.9750	9.995
	27 Vinyl acetate	43	3.582	3.725	(0.703)	264795	28.0962	5.619
	28 1,1-Dichloroethane	63	3.700	3.702	(0.726)	369286	49.9130	9.982
	29 tert-Butyl Alcohol	59	3.215	3.216	(0.631)	13847	33.4371	6.687
	30 2-Butanone	43	4.162	4.163	(0.817)	121603	36.3068	7.261
M	31 1,2-Dichloroethene (total)	61				590284	90.8944	18.179
	32 cis-1,2-dichloroethene	61	4.162	4.163	(0.817)	292269	42.9453	8.589
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.410	4.412	(0.865)	278264	50.7360	10.147
	36 Tetrahydrofuran	42	4.635	4.400	(0.909)	112811	59.3975	11.880
	37 1,1,1-Trichloroethane	97	4.576	4.577	(0.898)	203077	47.2834	9.457
	38 1,1-Dichloropropene	75	4.884	4.707	(0.958)	12725	2.74143	0.5483
	39 Carbon Tetrachloride	117	4.718	4.719	(0.926)	135650	44.2355	8.847
	40 1,2-Dichloroethane	62	4.884	4.885	(0.958)	274234	48.6030	9.721
	41 Benzene	78	4.884	4.885	(0.958)	802145	48.7539	9.751
	42 Trichloroethene	130	5.416	5.406	(1.063)	198263	50.2801	10.056
	43 1,2-Dichloropropane	63	5.594	5.595	(1.098)	227932	49.2626	9.852
	44 1,4-Dioxane	88	5.700	5.701	(1.118)	10428	267.067	53.413(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.819	5.820	(1.142)	169675	45.5741	9.115
	47 2-Chloroethyl vinyl ether	63	6.091	6.068	(1.195)	35246	25.9059	5.181
	48 cis-1,3-Dichloropropene	75	6.197	6.198	(1.216)	198719	36.4823	7.296
	49 4-Methyl-2-pentanone	43	6.315	6.317	(1.239)	271925	45.1125	9.022
	50 Toluene	91	6.505	6.506	(0.840)	854884	51.0838	10.217
	51 trans-1,3-Dichloropropene	75	6.682	6.683	(0.863)	159593	35.6728	7.134
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.848	6.849	(0.884)	162952	49.0994	9.820
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.002	7.003	(0.904)	153830	50.0319	10.006
	56 2-Hexanone	43	7.061	7.062	(0.911)	184478	42.2049	8.441
	57 Dibromochloromethane	129	7.215	7.216	(0.931)	104165	43.2303	8.646
	58 1,2-Dibromoethane	107	7.321	7.322	(0.945)	120026	37.5125	7.502
	59 Chlorobenzene	112	7.771	7.772	(1.003)	559134	48.2712	9.654
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	7.866	7.867	(1.015)	925123	48.9532	9.791
	62 m + p-Xylene	91	7.972	7.973	(1.029)	1420234	94.6131	18.923
M	63 Xylenes (total)	91				2121680	140.538	28.108
	64 Xylene-o	91	8.351	8.352	(1.078)	701446	45.9245	9.185
	65 Styrene	104	8.363	8.364	(1.079)	573709	47.3645	9.473
	66 Bromoform	173	8.552	8.541	(1.104)	51339	44.3672	8.873
	67 Isopropylbenzene	105	8.706	8.707	(1.124)	890773	51.2426	10.248
	68 1,1,2,2-Tetrachloroethane	83	8.978	8.979	(0.899)	218142	54.1497	10.830
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					

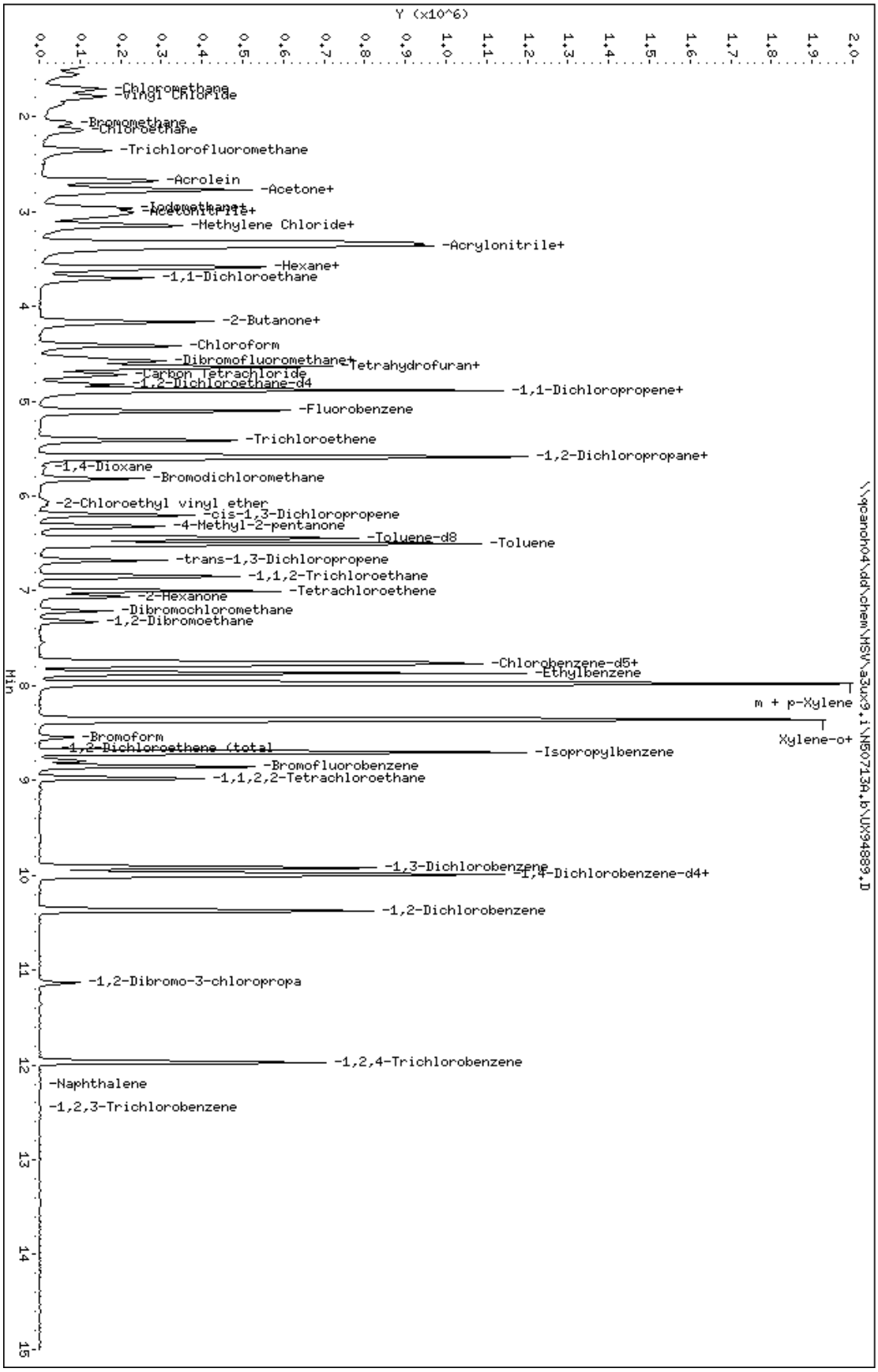
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94889.D
Report Date: 13-Jul-2005 19:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	9.913	9.914	(0.993)	405204	47.6861	9.537
81	1,4-Dichlorobenzene	146	10.007	10.009	(1.002)	439167	49.5975	9.920
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	10.374	10.375	(1.039)	388763	48.5911	9.718
84	1,2-Dibromo-3-chloropropane	157	11.143	11.144	(1.116)	27072	46.7475	9.350
85	1,2,4-Trichlorobenzene	180	11.972	11.973	(1.199)	250694	48.2145	9.643
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	12.208	12.209	(1.223)	6387	0.58690	0.1174
88	1,2,3-Trichlorobenzene	180	12.469	12.458	(1.249)	2927	0.60888	0.1218
98	Cyclohexane	56	4.635	4.636	(0.909)	427317	46.3257	9.265
143	Methyl Acetate	43	3.050	3.051	(0.598)	211457	43.7876	8.758
144	Methylcyclohexane	83	5.582	5.583	(1.095)	311507	45.5506	9.110
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N507130.b\UX94889.D
Date : 13-JUL-2005 18:25
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9.i
Operator: 1903
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94890.D
Report Date: 13-Jul-2005 19:10

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94890.D
Lab Smp Id: CHECK
Inj Date : 13-JUL-2005 18:49
Operator : 1903 Inst ID: a3ux9.i
Smp Info : CHECK
Misc Info : N50713A,8260MIUX9,2-8260.SUB,1903,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 6 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.098	5.098	(1.000)	691782	50.0000	
* 2 Chlorobenzene-d5	117	7.748	7.748	(1.000)	496532	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.985	9.985	(1.000)	245348	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	118468	44.5959	8.919
$ 5 1,2-Dichloroethane-d4	65	4.826	4.826	(0.947)	155150	42.5414	8.508
$ 6 Toluene-d8	98	6.447	6.447	(0.832)	583955	47.0200	9.404
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	227147	46.5494	9.310
8 Dichlorodifluoromethane	85	1.548	1.560	(0.304)	142527	58.7759	11.755
9 Chloromethane	50	1.702	1.702	(0.334)	368493	49.9348	9.987
10 Vinyl Chloride	62	1.784	1.785	(0.350)	268662	57.7957	11.559
11 Bromomethane	94	2.068	2.069	(0.406)	101838	64.7412	12.948
12 Chloroethane	64	2.139	2.140	(0.420)	152757	51.2765	10.255
13 Trichlorofluoromethane	101	2.352	2.353	(0.462)	220265	72.0135	14.403
15 Acrolein	56	2.672	2.672	(0.524)	466954	663.403	132.68(A)
16 Acetone	43	2.790	2.791	(0.547)	105804	32.7393	6.548
17 1,1-Dichloroethene	61	2.767	2.767	(0.543)	304336	48.8819	9.776
18 Freon-113	151	2.767	2.767	(0.543)	120755	54.1180	10.824
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.956	2.956	(0.580)	522076	48.7874	9.757
21 Methylene Chloride	84	3.145	3.145	(0.617)	200812	47.5228	9.504

22 Acetonitrile	41	3.015	3.015 (0.592)	462378	599.301	119.86(A)
23 Acrylonitrile	53	3.323	3.323 (0.652)	1195321	537.954	107.59(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94890.D
Report Date: 13-Jul-2005 19:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
24	Methyl tert-butyl ether	73	3.358	3.358	(0.659)	467422	44.2489	8.850
25	trans-1,2-Dichloroethene	61	3.370	3.370	(0.661)	309219	48.3055	9.661
26	Hexane	57	3.583	3.583	(0.703)	395051	51.9648	10.393
27	Vinyl acetate	43	3.583	3.725	(0.703)	284336	29.2927	5.858
28	1,1-Dichloroethane	63	3.701	3.702	(0.726)	380947	49.9924	9.998
29	tert-Butyl Alcohol	59	3.216	3.216	(0.631)	1705	3.99747	0.7995
30	2-Butanone	43	4.163	4.163	(0.817)	133692	38.7559	7.751
M 31	1,2-Dichloroethene (total)	61				605809	90.6190	18.124
32	cis-1,2-dichloroethene	61	4.163	4.163	(0.817)	296590	42.3134	8.463
33	2,2-Dichloropropane	77	Compound Not Detected.					
34	Bromochloromethane	128	Compound Not Detected.					
35	Chloroform	83	4.411	4.412	(0.865)	284552	50.3743	10.075
36	Tetrahydrofuran	42	4.636	4.400	(0.909)	123260	63.2028	12.640
37	1,1,1-Trichloroethane	97	4.577	4.577	(0.898)	212314	47.9971	9.599
38	1,1-Dichloropropene	75	4.885	4.707	(0.958)	13745	2.87510	0.5750
39	Carbon Tetrachloride	117	4.719	4.719	(0.926)	144127	45.6336	9.127
40	1,2-Dichloroethane	62	4.885	4.885	(0.958)	278486	47.9219	9.584
41	Benzene	78	4.885	4.885	(0.958)	802209	47.3405	9.468
42	Trichloroethene	130	5.405	5.406	(1.060)	202376	49.8313	9.966
43	1,2-Dichloropropane	63	5.595	5.595	(1.097)	236943	49.7215	9.944
44	1,4-Dioxane	88	Compound Not Detected.					
45	Dibromomethane	93	Compound Not Detected.					
46	Bromodichloromethane	83	5.819	5.820	(1.142)	175864	45.8634	9.173
47	2-Chloroethyl vinyl ether	63	6.068	6.068	(1.190)	23401	16.6998	3.340
48	cis-1,3-Dichloropropene	75	6.198	6.198	(1.216)	222413	39.3264	7.865
49	4-Methyl-2-pentanone	43	6.316	6.317	(1.239)	295127	47.5384	9.508
50	Toluene	91	6.506	6.506	(0.840)	863984	50.7028	10.140
51	trans-1,3-Dichloropropene	75	6.683	6.683	(0.863)	171733	37.4804	7.496
52	Ethyl Methacrylate	69	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	6.849	6.849	(0.884)	165177	48.8783	9.776
54	1,3-Dichloropropane	76	Compound Not Detected.					
55	Tetrachloroethene	164	7.003	7.003	(0.904)	161061	51.4454	10.289
56	2-Hexanone	43	7.062	7.062	(0.911)	193710	43.5232	8.705
57	Dibromochloromethane	129	7.216	7.216	(0.931)	111391	45.1431	9.029
58	1,2-Dibromoethane	107	7.322	7.322	(0.945)	129710	39.8130	7.962
59	Chlorobenzene	112	7.772	7.772	(1.003)	587759	49.8336	9.967
60	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61	Ethylbenzene	91	7.867	7.867	(1.015)	946674	49.1963	9.839
62	m + p-Xylene	91	7.973	7.973	(1.029)	1468945	96.1053	19.221
M 63	Xylenes (total)	91				2192522	142.630	28.526
64	Xylene-o	91	8.352	8.352	(1.078)	723577	46.5248	9.305
65	Styrene	104	8.364	8.364	(1.079)	593310	48.1054	9.621
66	Bromoform	173	8.541	8.541	(1.102)	56050	46.7823	9.356
67	Isopropylbenzene	105	8.707	8.707	(1.124)	895888	50.6137	10.123
68	1,1,2,2-Tetrachloroethane	83	8.979	8.979	(0.899)	230343	55.1846	11.037
70	1,2,3-Trichloropropane	110	Compound Not Detected.					
71	Bromobenzene	156	Compound Not Detected.					
72	n-Propylbenzene	91	Compound Not Detected.					
73	2-Chlorotoluene	126	Compound Not Detected.					
74	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75	4-Chlorotoluene	126	Compound Not Detected.					
76	tert-Butylbenzene	119	Compound Not Detected.					

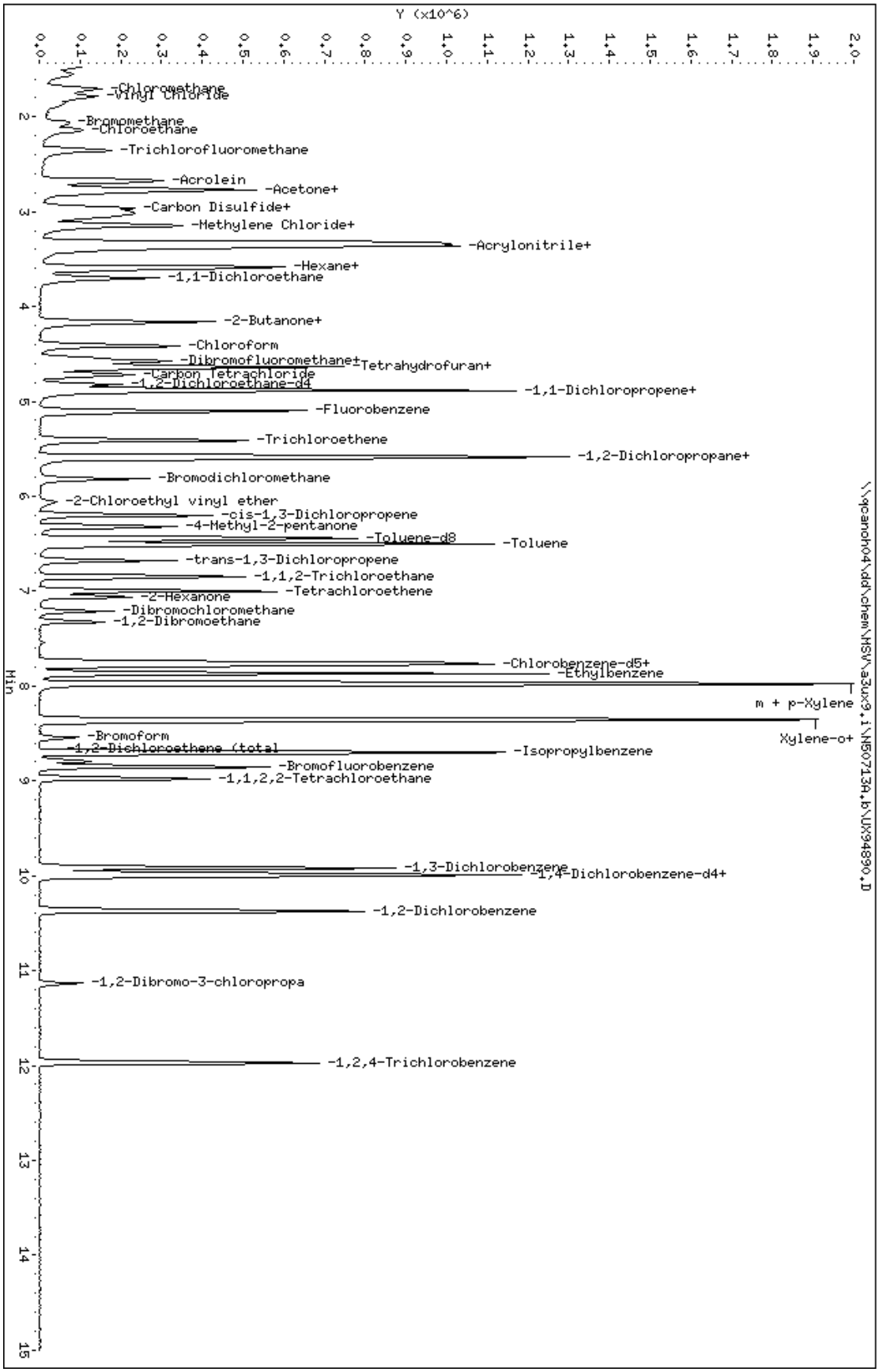
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.
78	sec-Butylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94890.D
Report Date: 13-Jul-2005 19:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	9.914	9.914	(0.993)	408327	46.3781	9.276
81	1,4-Dichlorobenzene	146	10.008	10.009	(1.002)	438423	47.7870	9.557
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	10.375	10.375	(1.039)	394050	47.5346	9.507
84	1,2-Dibromo-3-chloropropane	157	11.132	11.144	(1.115)	28741	47.7661	9.553
85	1,2,4-Trichlorobenzene	180	11.973	11.973	(1.199)	251444	46.6725	9.334
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	4.636	4.636	(0.909)	456691	48.0710	9.614
143	Methyl Acetate	43	3.051	3.051	(0.598)	223543	44.9447	8.989
144	Methylcyclohexane	83	5.583	5.583	(1.095)	326221	46.3156	9.263
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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



Data File: \\qcanon04\dd\chem\MSV\a3ux9,i\N507130,b\UX94890,D
Date : 13-JUL-2005 18:49
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux9,i
Operator: 1903
Column diameter: 0.18

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5G070131 **Work Order #...:** HFHV81AA **Matrix.....:** WATER
MB Lot-Sample #: A5G140000-455

Prep Date.....: 07/13/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/13/05 **Prep Batch #...:** 5195455
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	89	(76 - 110)
4-Bromofluorobenzene	83	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94891.D
Report Date: 13-Jul-2005 19:43

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94891.D
Lab Smp Id: BLANK
Inj Date : 13-JUL-2005 19:12
Operator : 1903 Inst ID: a3ux9.i
Smp Info : BLANK
Misc Info : N50713A,8260MIUX9,,1903,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\8260MIUX9.m
Meth Date : 13-Jul-2005 18:23 laveyt Quant Type: ISTD
Cal Date : 30-JUN-2005 20:23 Cal File: UX94650.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV16

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.098	5.098	(1.000)	698241	50.0000	
* 2 Chlorobenzene-d5	117	7.749	7.748	(1.000)	527804	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.973	9.985	(1.000)	237166	50.0000	
$ 4 Dibromofluoromethane	113	4.542	4.542	(0.891)	122675	45.7373	9.147
$ 5 1,2-Dichloroethane-d4	65	4.814	4.826	(0.944)	157445	42.7625	8.552
$ 6 Toluene-d8	98	6.447	6.447	(0.832)	584224	44.3108	8.862
$ 7 Bromofluorobenzene	95	8.849	8.849	(1.142)	215315	41.6207	8.324
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	2.069	2.069	(0.406)	5711	3.59706	0.7194
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	61	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	3.027	3.015 (0.594)	11641	14.9487	2.990
23 Acrylonitrile	53	3.323	3.323 (0.652)	2542	1.13344	0.2267
24 Methyl tert-butyl ether	73	Compound Not Detected.				

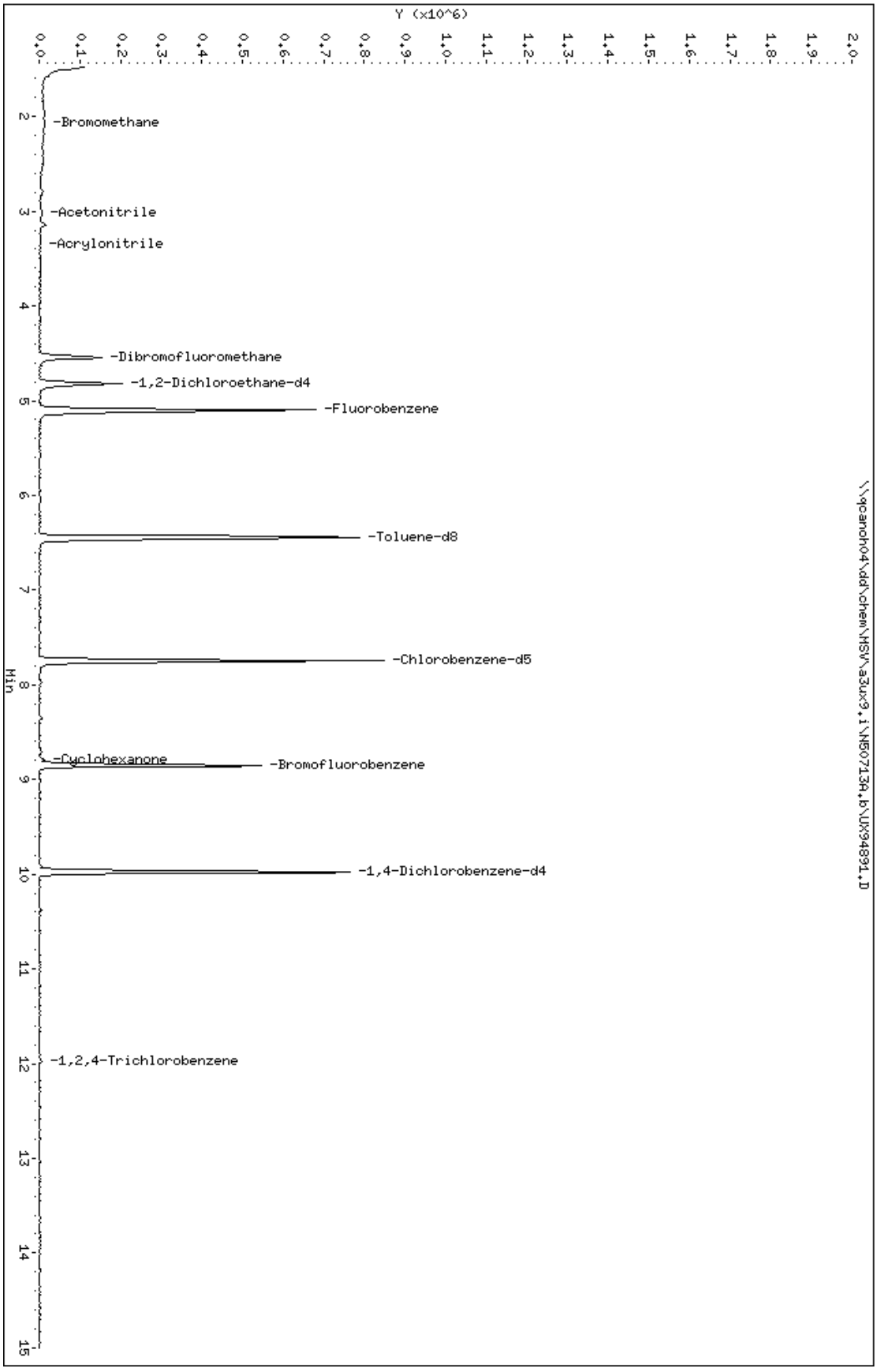
Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94891.D
Report Date: 13-Jul-2005 19:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	25 trans-1,2-Dichloroethene	61	Compound Not Detected.					
	26 Hexane	57	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	61	Compound Not Detected.					
	32 cis-1,2-dichloroethene	61	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	91	Compound Not Detected.					
	62 m + p-Xylene	91	Compound Not Detected.					
M	63 Xylenes (total)	91	Compound Not Detected.					
	64 Xylene-o	91	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	91	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

78	sec-Butylbenzene	105	Compound Not Detected.
79	4-Isopropyltoluene	119	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94891.D
Report Date: 13-Jul-2005 19:43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	11.973	11.973	(1.201)	3141	0.60314	0.1206
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	8.790	8.789	(0.881)	5739	31.4351	6.287
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					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Date : 13-JUL-2005 19:12
Client ID:
Sample Info: BLANK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux9,i
Operator: 1903
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux9,i\N507130,b\UX94894.D
Y (x10^6)
Min
-Bromomethane
-Acetonitrile
-Acrylonitrile
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5
-Cyclohexanone
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
-1,2,4-Trichlorobenzene

Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94891.D

Date : 13-JUL-2005 19:12

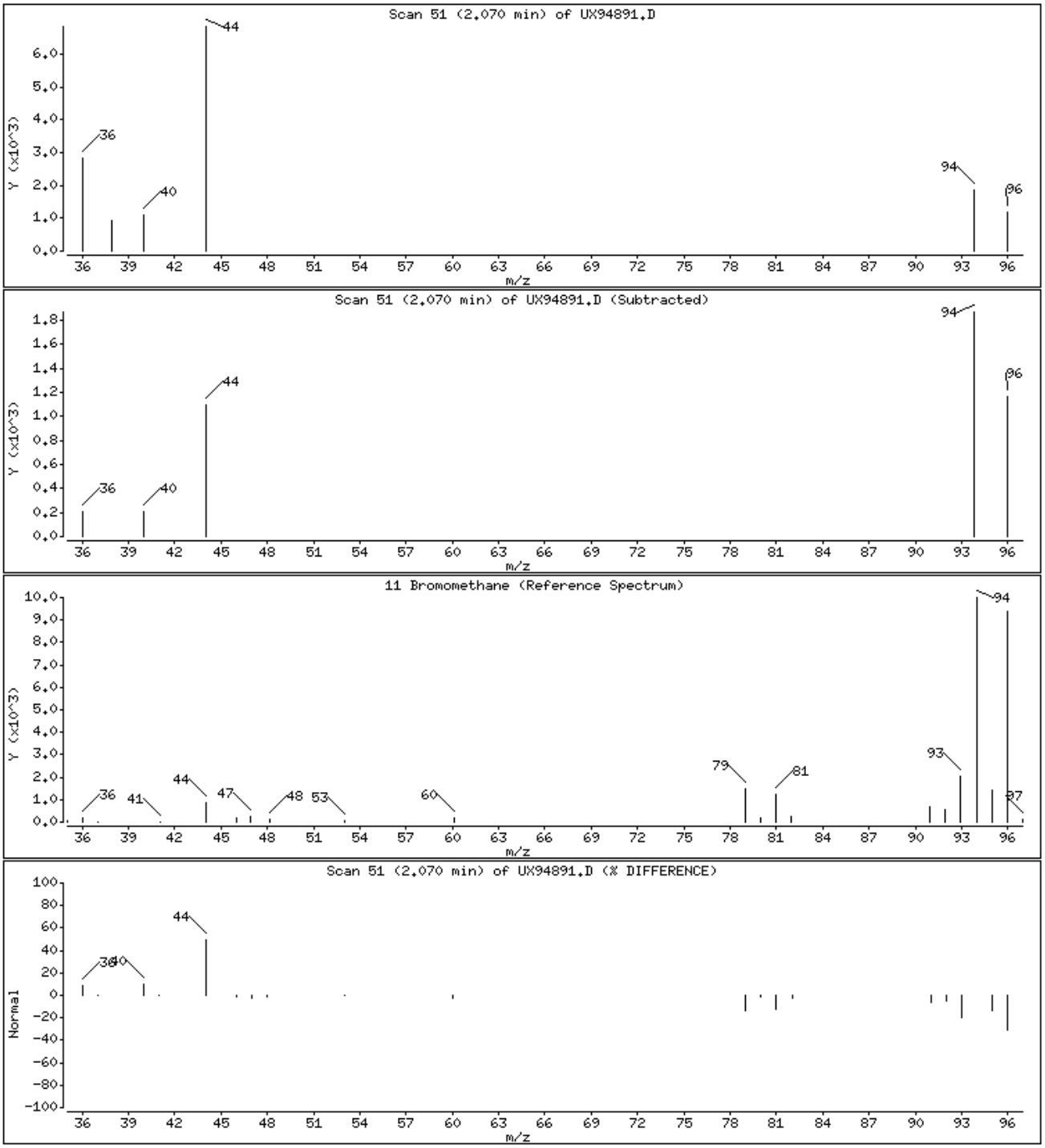
Client ID: Instrument: a3ux9.i

Sample Info: BLANK

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

11 Bromomethane Concentration: 0.7194 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94891.D

Date : 13-JUL-2005 19:12

Client ID:

Instrument: a3ux9.i

Sample Info: BLANK

Purge Volume: 5.0

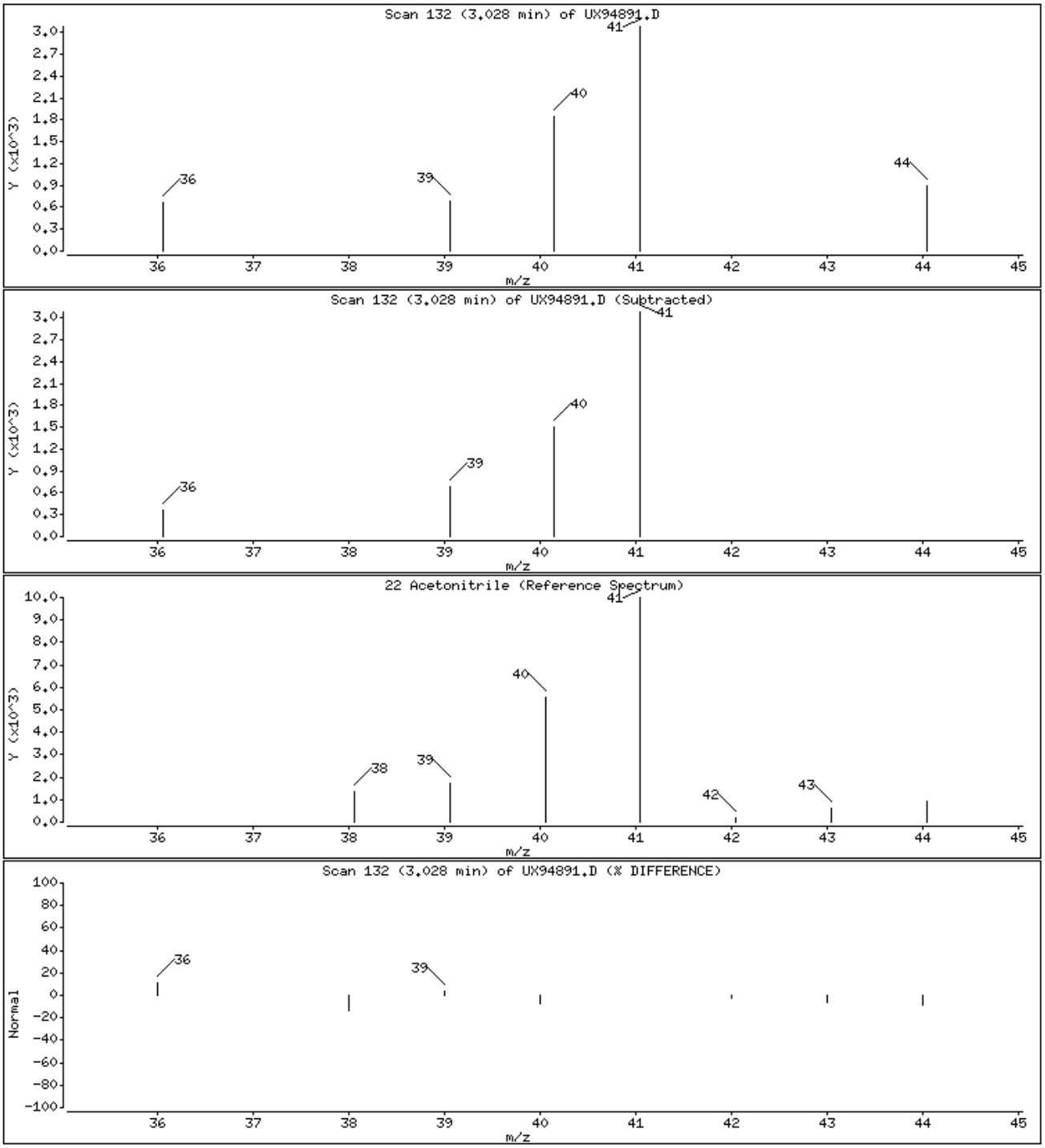
Operator: 1903

Column phase: DB624

Column diameter: 0.18

22 Acetonitrile

Concentration: 2.990 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94891.D

Date : 13-JUL-2005 19:12

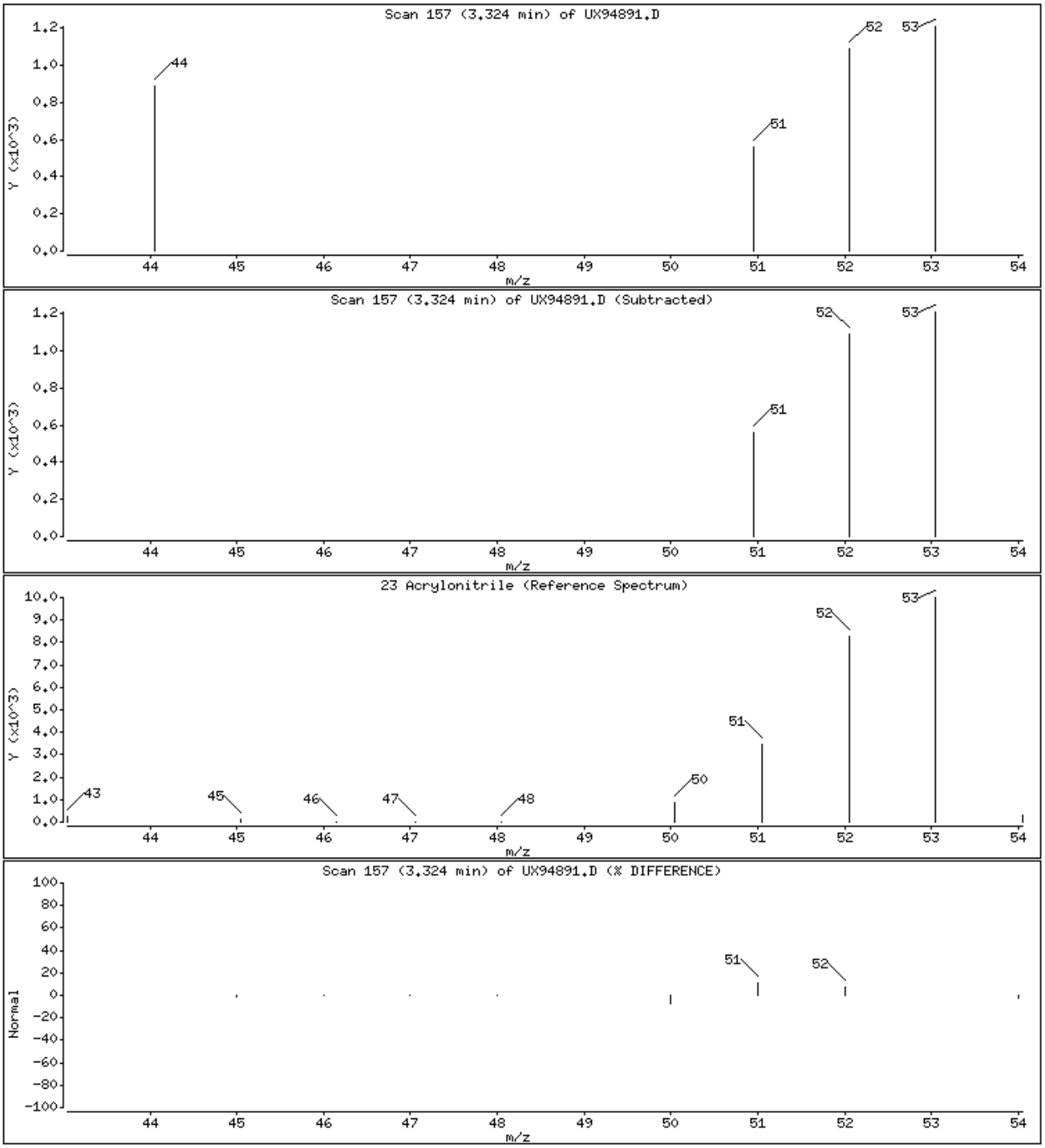
Client ID: Instrument: a3ux9.i

Sample Info: BLANK

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

23 Acrylonitrile Concentration: 0.2267 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux9.i\N50713A.b\UX94891.D

Date : 13-JUL-2005 19:12

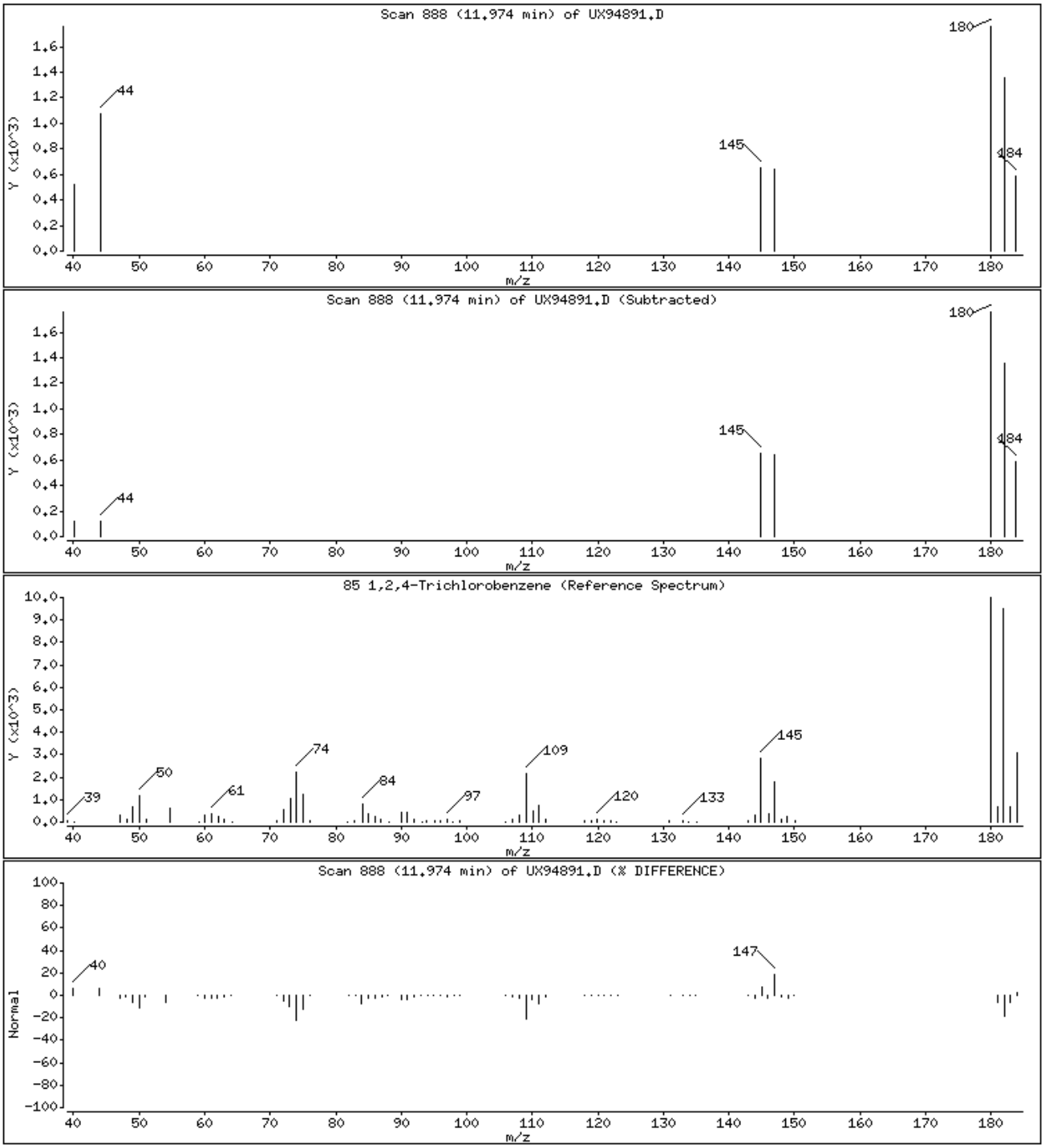
Client ID: Instrument: a3ux9.i

Sample Info: BLANK

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.1206 ug/L



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Date : 13-JUL-2005 19:12

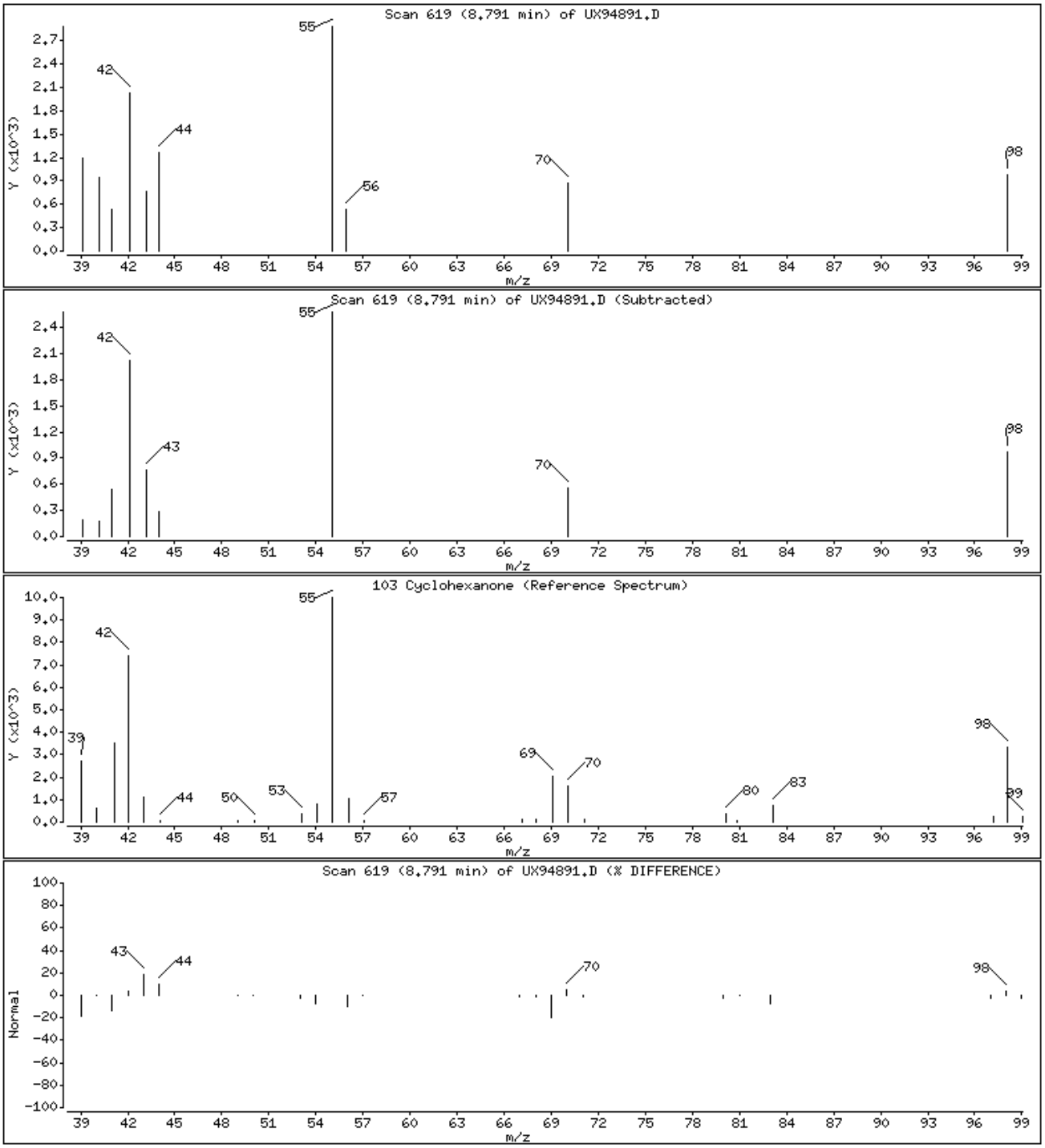
Client ID: Instrument: a3ux9.i

Sample Info: BLANK

Purge Volume: 5.0 Operator: 1903

Column phase: DB624 Column diameter: 0.18

103 Cyclohexanone Concentration: 6.287 ug/L



MISCELLANEOUS DATA

UX9
Batch # 5182431

STL-North Canton
GC/MS VOA Run Log

Date: 6-30-15

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: ~~#10~~ V7000
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @ ~~190~~ C 250
Flow Rate 0.4ml/min	IS # V3220 SS # V3221	Hold 3 min	Bake: 5 min @ ~~240~~ C 260
			Heated purge: Yes (No)

Autonum	Sample ID / Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB269	50ng		15:38	OK
	AP STD		UX94639	250ng	V3234, 36	V50630	OK
	↓		40	100ng	↓	↓	OK
			41	50ng			OK
			42	25ng			OK
			43	5ng			OK
			44	2.5ng			OK
	8260 STD		45	250ng	~~V3223~~ T	TC 6-30-1	OK
	↓		46	100ng	V3222, 23, 33		OK
			47	50ng			OK
			48	25ng			OK
			49	5ng			OK
	↓		50	2.5ng	↓	↓	OK
	ICV		51	50ng	V3215		OK
	BLANK		52	5mL		METRA	OK
	CHECK		53	50ng	V3215	↓	OK
	HD8L51AA		54	0.4mL/5mL			OK
	HD8L81AA		55	5mL		RR 0.3mL	
	HD8MA1AA		56	↓			OK
	HD8ME1AA		57	↓			OK
	HD8MN1AA		58	125µL/5mL			OK
	HD8MQ1AA		59	0.2mL/5mL			OK
	HD8MT1AA		60	0.2mL/5mL			OK
	HD8MW1AA		61	0.5mL/5mL			OK
	HD8MX1AA		62	5mL			OK
	HD8MI1AA		63	0.1mL/5mL			OK
	HD8MI1AC	-MS	64	↓	+50ng		OK
	HD8MI1AD	-MSD	65	↓	↓		OK
	HD8L81AA		66	0.3mL/5mL			OK
	RINSE		67	—			—
			68				

Analyst:
Level 2 review:

make pdf ✓

UX9
Batch # 5195455

STL-North Canton
GC/MS VOA Run Log

Date: 7-13-7

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: ~~#10~~ V3000 7-13-5
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold – min	to – C @ – C/min	Desorb: 1 min @ ~~190~~ C 250
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ ~~210~~ C 260
	IS # V3273 SS # V3221		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number Sample prep	Comments	Sample status
✓	BFB		BFB278	50ng		16:44	ok
	8260 STD		UX94886	50ng	V3269,70,71	VCMT-RR	
✓	A9 STD		87	50ng	V3234,54	V50630	ok
✓	8260 STD		88	50ng	V3269,70,71		ok
✓	CHECK		89	50ng	V3262	HFHV8	ok
✓	CHECK		90	50ng			ok
✓	BLANK		91	5mL			ok
✓	HEIDPIAA		92	3mL/5mL			ok
✓	HEOGKIAA		93	5mL			ok
✓	HEICHIAA		94				ok
✓	HEICMIAA		95				ok
✓	HEIDDIAA		96				ok
✓	HEIDGIAL		97				ok
✓	HEIDJIAL		98				ok
✓	HEIDKIAL		99				ok
✓	HEIDLIAL		UX94900				ok
✓	HEIDNIAL		01				ok
✓	HEIDQIAL		02				ok
✓	HEIDRIAL		03				ok
✓	HEIDVIAA		04				ok
✓	HEIDWIAL		05				ok
✓	HEIXIIAA	VAP	06				ok
✓	HEIOGIAA		07				ok
✓	HEIOHIAA		08				ok
✓	HEIOKIAA		09				ok
✓	HE3VRIAA		10				ok
✓	HE3VKIAA		11	0.4mL/5mL		DIL TIC	ok
✓	HE3VKIAD	-MS	12		+50ng		ok
✓	HE3VKIAE	-MSD	13				ok
			14				
			15				
						7-14-5	

0.53337
6912
~~4994~~

Analyst: [signature]
Level 2 review: [signature]

PDF Md.

pH/Free Chlorine Worksheet

Lot: A5G070131

A5G070131

Sample	Work Order	SAC	Client Sample ID	pH	Free Chlorine
4	HE1DK-1AL	XX I 25 QK 01	MW-216	<2	N
5	HE1DL-1AL	XX I 25 QK 01	MW-202	<2	N
6	HE1DN-1AL	XX I 25 QK 01	MW-201	<2	N
7	HE1DP-1AL	XX I 25 QK 01	MW-210	<2	N
8	HE1DQ-1AL	XX I 25 QK 01	MW-209	<2	N
9	HE1DR-1AL	XX I 25 QK 01	MW-213	<2	N
10	HE1DV-1AA	XX I 25 QK 01	TRIP BLANK E101	<2	N
11	HE1DW-1AL	XX I 25 QK 01	TRIP BLANK K135	<2	N
1	HE1DD-1AA	XX I 25 QK 01	MW-C	<2	N
2	HE1DG-1AL	XX I 25 QK 01	MW-217	<2	N
3	HE1DJ-1AL	XX I 25 QK 01	MW-214	<2	N

Lot/SDG Number: **A5G070131**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5G070131	4	HE1DK1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey
A5G070131	5	HE1DL1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey
A5G070131	6	HE1DN1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey
A5G070131	7	HE1DP1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey
A5G070131	8	HE1DQ1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey
A5G070131	9	HE1DR1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey
A5G070131	10	HE1DV1AA	Volatile Organics, GC/MS (8260B)	07/14/05	Tim Lavey
A5G070131	11	HE1DW1AL	Volatile Organics, GC/MS (8260B)	07/14/05	Tim Lavey
A5G070131	1	HE1DD1AA	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey
A5G070131	2	HE1DG1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey
A5G070131	3	HE1DJ1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Tim Lavey

METALS DATA

FORMS DATA

Matrix Environmental, Inc.

Client Sample ID: MW-C

TOTAL Metals

Lot-Sample #...: A5G070131-001 **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AT
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.053 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE1DD1AU**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AV
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.27 J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE1DD1AW**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**69.9**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE1DD1AX**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1A0
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**0.33**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE1DD1A1**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DD1A8
		Dilution Factor: 1		Analysis Time..: 13:33	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**2.4 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE1DD1A5**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**73.9**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE1DD1A2**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-C

TOTAL Metals

Lot-Sample #...: A5G070131-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.012 B**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE1DD1A3**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**29.0**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE1DD1A6**
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1A4
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1A7
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AK
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AL
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AM
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AR
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AN
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AJ
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-C

TOTAL Metals

Lot-Sample #...: A5G070131-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AP
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/17/05	HE1DD1AQ
		Dilution Factor: 1		Analysis Time..: 23:47	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-217

TOTAL Metals

Lot-Sample #...: A5G070131-002 **Matrix.....:** WG
Date Sampled...: 07/06/05 13:40 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	**0.32**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1A4**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.062 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1A5**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1A6
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.084 B,J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1A7**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**92.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1A8**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	**0.0054 B**	**0.025**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1AA**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**6.2**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1AC**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DG1AK
		Dilution Factor: 1		Analysis Time..: 13:37	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**2.3 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1AG**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**37.1**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1AD**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-217

TOTAL Metals

Lot-Sample #...: A5G070131-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.41**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1AE**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**131**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1AH**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.41		
Nickel	**0.0034 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1AF**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	**0.0082 B,J**	**0.020**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DG1AJ**
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1AV
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1AW
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1AX
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1A3
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1A0
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1AU
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-217

TOTAL Metals

Lot-Sample #...: A5G070131-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1A1
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DG1A2
		Dilution Factor: 1		Analysis Time..: 00:18	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-214

TOTAL Metals

Lot-Sample #...: A5G070131-003 **Matrix.....:** WG
Date Sampled...: 07/06/05 16:58 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1A4
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.31**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1A5**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1A6
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.097 B,J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1A7**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**168**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1A8**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1AA
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**3.4**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1AC**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DJ1AK
		Dilution Factor: 1		Analysis Time..: 13:39	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**4.9 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1AG**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**79.7**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1AD**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-214

TOTAL Metals

Lot-Sample #...: A5G070131-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.19**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1AE**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**93.2**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1AH**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1AF
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1AJ
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1AV
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1AW
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1AX
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1A3
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1A0
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1AU
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-214

TOTAL Metals

Lot-Sample #...: A5G070131-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.0026 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DJ1A1**
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DJ1A2
		Dilution Factor: 1		Analysis Time..: 00:24	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-216

TOTAL Metals

Lot-Sample #...: A5G070131-004 **Matrix.....:** WG
Date Sampled...: 07/06/05 15:20 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1A4
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.27**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1A5**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1A6
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.20 J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1A7**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**198**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1A8**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1AA
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**19.0**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1AC**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DK1AK
		Dilution Factor: 1		Analysis Time..: 13:40	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**10.9**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1AG**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**79.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1AD**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-216

TOTAL Metals

Lot-Sample #...: A5G070131-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.86**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1AE**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**70.3**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1AH**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.41		
Nickel	**0.0019 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1AF**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1AJ
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	**0.0098 B**	**0.010**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1AV**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1AW
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	**0.0017 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DK1AX**
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1A3
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1A0
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1AU
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-216

TOTAL Metals

Lot-Sample #...: A5G070131-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1A1
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DK1A2
		Dilution Factor: 1		Analysis Time..: 00:29	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-202

TOTAL Metals

Lot-Sample #...: A5G070131-005 **Matrix.....:** WG
Date Sampled...: 07/06/05 11:10 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1A4
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.73**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1A5**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1A6
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.46 J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1A7**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**409**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1A8**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1AA
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**7.8**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1AC**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DL1AK
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**34.9**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1AG**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**270**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1AD**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-202

TOTAL Metals

Lot-Sample #...: A5G070131-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.46**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1AE**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**638**	**10.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1AH**
		Dilution Factor: 2		Analysis Time..: 10:49	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.82		
Nickel	**0.0063 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1AF**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	**0.012 B,J**	**0.020**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1AJ**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1AV
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1AW
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	**0.0044 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1AX**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	**0.0058**	**0.0050**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DL1A3**
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1A0
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1AU
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-202

TOTAL Metals

Lot-Sample #...: A5G070131-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1A1
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DL1A2
		Dilution Factor: 1		Analysis Time..: 00:34	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-201

TOTAL Metals

Lot-Sample #...: A5G070131-006 **Matrix.....:** WG
Date Sampled...: 07/06/05 10:01 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	**0.26**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1A4**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.29**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1A5**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1A6
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.19 B,J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1A7**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**147**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1A8**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1AA
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**3.8**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1AC**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DN1AK
		Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**5.7**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1AG**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**63.1**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1AD**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-201

TOTAL Metals

Lot-Sample #...: A5G070131-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.20**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1AE**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**223**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1AH**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.41		
Nickel	**0.34**	**0.040**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1AF**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1AJ
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1AV
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1AW
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	**0.0063 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1AX**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	**0.017**	**0.0050**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DN1A3**
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1A0
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1AU
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-201

TOTAL Metals

Lot-Sample #...: A5G070131-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1A1
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DN1A2
		Dilution Factor: 1		Analysis Time..: 00:39	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-210

TOTAL Metals

Lot-Sample #...: A5G070131-007 **Matrix.....:** WG
Date Sampled...: 07/06/05 12:50 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	**0.26**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1A4**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.10 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1A5**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1A6
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.10 B,J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1A7**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**222**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1A8**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1AA
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**9.5**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1AC**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DP1AK
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**5.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1AG**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**103**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1AD**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-210

TOTAL Metals

Lot-Sample #...: A5G070131-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.31**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1AE**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**72.3**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1AH**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.41		
Nickel	**0.0042 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1AF**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	**0.0083 B,J**	**0.020**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1AJ**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1AV
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1AW
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1AX
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	**0.0017 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DP1A3**
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1A0
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1AU
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-210

TOTAL Metals

Lot-Sample #...: A5G070131-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1A1
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DP1A2
		Dilution Factor: 1		Analysis Time..: 00:44	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-209

TOTAL Metals

Lot-Sample #...: A5G070131-008 **Matrix.....:** WG
Date Sampled...: 07/06/05 13:30 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1A4
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.067 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1A5**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1A6
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.11 B,J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1A7**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**188**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1A8**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1AA
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**3.8**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1AC**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DQ1AK
		Dilution Factor: 1		Analysis Time..: 13:48	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**4.2 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1AG**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**79.9**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1AD**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-209

TOTAL Metals

Lot-Sample #...: A5G070131-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.089**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1AE**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**95.9**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1AH**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1AF
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1AJ
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1AV
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1AW
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1AX
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1A3
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1A0
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1AU
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-209

TOTAL Metals

Lot-Sample #...: A5G070131-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.0027 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DQ1A1**
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DQ1A2
		Dilution Factor: 1		Analysis Time..: 00:50	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-213

TOTAL Metals

Lot-Sample #...: A5G070131-009 **Matrix.....:** WG
Date Sampled...: 07/06/05 17:35 **Date Received..:** 07/07/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5193022						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1A4
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.047		
Barium	**0.21**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DR1A5**
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1A6
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00030		
Boron	**0.44 J**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DR1A7**
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.016		
Calcium	**172**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DR1A8**
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1AA
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0018		
Iron	**4.4**	**0.10**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DR1AC**
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE1DR1AK
		Dilution Factor: 1		Analysis Time..: 13:49	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**8.6**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DR1AG**
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.054		
Magnesium	**62.7**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DR1AD**
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-213

TOTAL Metals

Lot-Sample #...: A5G070131-009 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.29**	**0.015**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DR1AE**
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00023		
Sodium	**153**	**5.0**	**mg/L**	**SW846 6010B**	**07/12-07/18/05**	**HE1DR1AH**
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1AF
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1AJ
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1AV
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1AW
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1AX
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1A3
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1A0
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1AU
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-213

TOTAL Metals

Lot-Sample #...: A5G070131-009 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1A1
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/18/05	HE1DR1A2
		Dilution Factor: 1		Analysis Time..: 00:55	Analyst ID.....: 002260	
		Instrument ID..: I6		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10712c.prn **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 07/12/05 11:08 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	2.5	2.61	**104.3**								

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 07/17/05 4:57 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	12500.0	12880.19	**103.0**								
Antimony	206.838	250.0	247.78	**99.1**								
Arsenic	189.042	250.0	243.27	**97.3**								
Barium	493.409	1000.0	964.31	**96.4**								
Beryllium	313.042	1000.0	1013.08	**101.3**								
Boron	249.678	1000.0	950.59	**95.1**								
Cadmium	226.502	250.0	250.31	**100.1**								
Calcium	317.933	25000.0	25630.33	**102.5**								
Chromium	267.716	1000.0	1006.48	**100.6**								
Cobalt	228.616	1000.0	999.12	**99.9**								
Copper	324.753	1000.0	1030.60	**103.1**								
Iron	271.441	12500.0	12985.98	**103.9**								
Lead	220.353	250.0	253.49	**101.4**								
Magnesium	279.078	25000.0	25135.76	**100.5**								
Manganese	257.61	1000.0	987.71	**98.8**								
Nickel	231.604	1000.0	1017.65	**101.8**								
Potassium	766.491	25000.0	25909.85	**103.6**								
Selenium	196.026	250.0	252.37	**100.9**								
Sodium	330.232	25000.0	24982.66	**99.9**								
Vanadium	292.402	1000.0	986.44	**98.6**								
Zinc	213.856	1000.0	992.67	**99.3**								

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10712c.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 07/12/05 11:12 AM Found	% Rec	CCV 07/12/05 11:23 AM Found	% Rec	Ck2CCV 07/12/05 11:26 AM Found	% Rec	Ck2CCV 07/12/05 11:41 AM Found	% Rec	Ck2CCV 07/12/05 11:54 AM Found	% Rec
Mercury	253.7	5.0	5.23	**104.6**	5.24	**104.8**	5.25	**104.9**	5.27	**105.5**	5.20	**103.9**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA

Units: ug/L

Chart Number: hg10712c.prn

Acceptable Range: 80% - 120%

Standard Source: Ultra

Standard ID:

Element	WL/ Mass	True Conc	Ck2CCV 07/12/05 12:07 PM		Ck2CCV 07/12/05 12:24 PM		Ck2CCV 07/12/05 12:40 PM		Ck2CCV 07/12/05 12:53 PM		Ck2CCV 07/12/05 1:12 PM	
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	4.81	**96.2**	3.92	**78.4**	3.82	**76.4**	3.83	**76.5**	4.61	**92.2**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10712c.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck2CCV 07/12/05 1:27 PM Found	% Rec	Ck2CCV 07/12/05 1:42 PM Found	% Rec	Ck2CCV 07/12/05 1:53 PM Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	4.62	**92.5**	4.73	**94.7**	4.66	**93.2**				

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 07/17/05 5:48 PM Found	% Rec	CCV 07/17/05 7:30 PM Found	% Rec	CCV 07/17/05 8:38 PM Found	% Rec	CCV 07/17/05 9:48 PM Found	% Rec	CCV 07/17/05 10:55 PM Found	% Rec
Aluminum	308.215	25000.0	25135.84	**100.5**	25300.98	**101.2**	25386.58	**101.5**	25366.31	**101.5**	25869.67	**103.5**
Antimony	206.838	500.0	501.35	**100.3**	509.73	**101.9**	513.08	**102.6**	510.88	**102.2**	518.73	**103.7**
Arsenic	189.042	500.0	501.64	**100.3**	509.81	**102.0**	516.34	**103.3**	515.01	**103.0**	521.31	**104.3**
Barium	493.409	2000.0	2007.08	**100.4**	2023.63	**101.2**	2038.62	**101.9**	2036.31	**101.8**	2064.39	**103.2**
Beryllium	313.042	2000.0	2035.84	**101.8**	2061.48	**103.1**	2076.11	**103.8**	2071.65	**103.6**	2101.16	**105.1**
Boron	249.678	5000.0	4972.47	**99.4**	4997.03	**99.9**	5039.84	**100.8**	5027.31	**100.5**	5104.78	**102.1**
Cadmium	226.502	500.0	504.14	**100.8**	510.21	**102.0**	513.36	**102.7**	512.03	**102.4**	519.95	**104.0**
Calcium	317.933	50000.0	51204.21	**102.4**	51644.05	**103.3**	52036.14	**104.1**	51852.69	**103.7**	52646.50	**105.3**
Chromium	267.716	2000.0	2022.41	**101.1**	2034.65	**101.7**	2045.19	**102.3**	2037.92	**101.9**	2071.22	**103.6**
Cobalt	228.616	2000.0	2040.60	**102.0**	2077.00	**103.8**	2093.51	**104.7**	2086.60	**104.3**	2112.90	**105.6**
Copper	324.753	2000.0	2037.57	**101.9**	2043.34	**102.2**	2050.19	**102.5**	2044.61	**102.2**	2082.72	**104.1**
Iron	271.441	25000.0	25875.72	**103.5**	25998.32	**104.0**	26169.14	**104.7**	26077.72	**104.3**	26489.72	**106.0**
Lead	220.353	500.0	501.65	**100.3**	510.46	**102.1**	512.79	**102.6**	511.58	**102.3**	517.09	**103.4**
Magnesium	279.078	50000.0	51356.92	**102.7**	51572.72	**103.1**	51844.31	**103.7**	51690.11	**103.4**	52658.68	**105.3**
Manganese	257.61	2000.0	2029.57	**101.5**	2051.04	**102.6**	2066.08	**103.3**	2062.39	**103.1**	2086.86	**104.3**
Nickel	231.604	2000.0	2036.76	**101.8**	2066.45	**103.3**	2084.95	**104.2**	2081.09	**104.1**	2104.37	**105.2**
Potassium	766.491	50000.0	51494.59	**103.0**	51793.06	**103.6**	52184.45	**104.4**	52247.79	**104.5**	53026.52	**106.1**
Selenium	196.026	500.0	499.76	**100.0**	509.31	**101.9**	510.47	**102.1**	512.24	**102.4**	517.29	**103.5**
Sodium	330.232	50000.0	49697.48	**99.4**	49601.32	**99.2**	49794.82	**99.6**	49671.16	**99.3**	50408.65	**100.8**
Vanadium	292.402	2000.0	2011.14	**100.6**	2017.53	**100.9**	2028.13	**101.4**	2020.78	**101.0**	2054.57	**102.7**
Zinc	213.856	2000.0	2036.59	**101.8**	2050.83	**102.5**	2061.49	**103.1**	2055.68	**102.8**	2086.07	**104.3**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 07/18/05 12:05 AM Found	% Rec	CCV 07/18/05 1:13 AM Found	% Rec	CCV 07/18/05 2:20 AM Found	% Rec	CCV 07/18/05 3:28 AM Found	% Rec	CCV 07/18/05 4:35 AM Found	% Rec
Aluminum	308.215	25000.0	25869.74	**103.5**	25943.56	**103.8**	26208.18	**104.8**	26233.80	**104.9**	26333.92	**105.3**
Antimony	206.838	500.0	519.28	**103.9**	521.09	**104.2**	528.60	**105.7**	530.20	**106.0**	531.38	**106.3**
Arsenic	189.042	500.0	517.46	**103.5**	519.40	**103.9**	527.45	**105.5**	535.15	**107.0**	543.18	**108.6**
Barium	493.409	2000.0	2059.95	**103.0**	2067.07	**103.4**	2095.66	**104.8**	2117.49	**105.9**	2131.73	**106.6**
Beryllium	313.042	2000.0	2092.30	**104.6**	2098.22	**104.9**	2121.59	**106.1**	2139.23	**107.0**	2151.05	**107.6**
Boron	249.678	5000.0	5086.78	**101.7**	5080.81	**101.6**	5135.28	**102.7**	5166.77	**103.3**	5193.51	**103.9**
Cadmium	226.502	500.0	517.94	**103.6**	517.09	**103.4**	521.68	**104.3**	525.54	**105.1**	528.32	**105.7**
Calcium	317.933	50000.0	52716.63	**105.4**	52728.64	**105.5**	53129.28	**106.3**	53099.72	**106.2**	52976.62	**106.0**
Chromium	267.716	2000.0	2069.10	**103.5**	2072.95	**103.6**	2085.78	**104.3**	2092.19	**104.6**	2090.31	**104.5**
Cobalt	228.616	2000.0	2105.11	**105.3**	2109.84	**105.5**	2128.39	**106.4**	2140.58	**107.0**	2147.72	**107.4**
Copper	324.753	2000.0	2082.32	**104.1**	2087.78	**104.4**	2105.20	**105.3**	2106.04	**105.3**	2104.39	**105.2**
Iron	271.441	25000.0	26502.86	**106.0**	26524.87	**106.1**	26711.63	**106.8**	26813.38	**107.3**	26839.38	**107.4**
Lead	220.353	500.0	516.15	**103.2**	511.91	**102.4**	517.20	**103.4**	521.81	**104.4**	528.16	**105.6**
Magnesium	279.078	50000.0	52510.09	**105.0**	52414.12	**104.8**	52605.41	**105.2**	52511.35	**105.0**	52211.72	**104.4**
Manganese	257.61	2000.0	2085.29	**104.3**	2092.74	**104.6**	2108.78	**105.4**	2112.23	**105.6**	2115.69	**105.8**
Nickel	231.604	2000.0	2083.16	**104.2**	2078.05	**103.9**	2104.74	**105.2**	2133.22	**106.7**	2164.50	**108.2**
Potassium	766.491	50000.0	52680.31	**105.4**	52942.94	**105.9**	53890.36	**107.8**	54523.42	**109.0**	55402.86	**110.8**
Selenium	196.026	500.0	519.12	**103.8**	513.47	**102.7**	522.81	**104.6**	522.62	**104.5**	526.25	**105.2**
Sodium	330.232	50000.0	50272.33	**100.5**	50310.16	**100.6**	50744.17	**101.5**	51089.10	**102.2**	51474.66	**102.9**
Vanadium	292.402	2000.0	2055.34	**102.8**	2056.17	**102.8**	2065.43	**103.3**	2061.54	**103.1**	2045.87	**102.3**
Zinc	213.856	2000.0	2076.56	**103.8**	2075.27	**103.8**	2094.00	**104.7**	2104.81	**105.2**	2115.72	**105.8**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 07/18/05 5:47 AM Found	% Rec	CCV 07/18/05 6:55 AM Found	% Rec	CCV 07/18/05 7:49 AM Found	% Rec	CCV 07/18/05 9:10 AM Found	% Rec	CCV 07/18/05 11:10 AM Found	% Rec
Aluminum	308.215	25000.0	26727.82	**106.9**	26882.16	**107.5**	27077.27	**108.3**	25882.58	**103.5**	25883.34	**103.5**
Antimony	206.838	500.0	542.22	**108.4**	547.05	**109.4**	551.35	**110.3**	502.01	**100.4**	493.07	**98.6**
Arsenic	189.042	500.0	559.18	**111.8**	569.10	**113.8**	573.00	**114.6**	480.54	**96.1**	455.75	**91.2**
Barium	493.409	2000.0	2177.88	**108.9**	2208.92	**110.4**	2225.88	**111.3**	2030.04	**101.5**	1987.45	**99.4**
Beryllium	313.042	2000.0	2199.86	**110.0**	2211.23	**110.6**	2218.67	**110.9**	2050.99	**102.5**	2011.09	**100.6**
Boron	249.678	5000.0	5295.69	**105.9**	5346.28	**106.9**	5366.97	**107.3**	4955.57	**99.1**	4839.65	**96.8**
Cadmium	226.502	500.0	538.64	**107.7**	541.20	**108.2**	543.40	**108.7**	499.78	**100.0**	487.98	**97.6**
Calcium	317.933	50000.0	53666.87	**107.3**	53360.41	**106.7**	53432.88	**106.9**	51461.62	**102.9**	51256.61	**102.5**
Chromium	267.716	2000.0	2125.74	**106.3**	2126.60	**106.3**	2133.21	**106.7**	2046.31	**102.3**	2039.10	**102.0**
Cobalt	228.616	2000.0	2187.18	**109.4**	2198.45	**109.9**	2208.66	**110.4**	1951.45	**97.6**	1869.79	**93.5**
Copper	324.753	2000.0	2135.94	**106.8**	2150.21	**107.5**	2160.94	**108.0**	2079.40	**104.0**	2072.78	**103.6**
Iron	271.441	25000.0	27388.38	**109.6**	27455.59	**109.8**	27594.17	**110.4**	26555.49	**106.2**	26475.22	**105.9**
Lead	220.353	500.0	540.32	**108.1**	547.65	**109.5**	551.82	**110.4**	482.24	**96.4**	462.15	**92.4**
Magnesium	279.078	50000.0	52843.75	**105.7**	52258.77	**104.5**	52191.18	**104.4**	52167.76	**104.3**	52251.28	**104.5**
Manganese	257.61	2000.0	2157.77	**107.9**	2172.71	**108.6**	2185.15	**109.3**	1995.46	**99.8**	1947.76	**97.4**
Nickel	231.604	2000.0	2225.90	**111.3**	2271.07	**113.6**	2291.55	**114.6**	1939.43	**97.0**	1848.90	**92.4**
Potassium	766.491	50000.0	56996.00	**114.0**	58910.27	**117.8**	59536.55	**119.1**	52764.64	**105.5**	51731.29	**103.5**
Selenium	196.026	500.0	537.22	**107.4**	548.00	**109.6**	552.87	**110.6**	489.40	**97.9**	472.05	**94.4**
Sodium	330.232	50000.0	52278.63	**104.6**	52862.18	**105.7**	53203.94	**106.4**	50135.60	**100.3**	49769.83	**99.5**
Vanadium	292.402	2000.0	2067.92	**103.4**	2055.85	**102.8**	2057.51	**102.9**	2045.82	**102.3**	2048.68	**102.4**
Zinc	213.856	2000.0	2158.18	**107.9**	2175.12	**108.8**	2181.79	**109.1**	2014.53	**100.7**	1972.38	**98.6**

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10712c.prn **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRA\MRL 07/12/05 11:11 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	0.2	0.20	**98.2**								

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRI/MRL 07/17/05 5:10 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	200.0	159.39	**79.7**								
Antimony	206.838	10.0	8.48	**84.8**								
Arsenic	189.042	15.0	13.79	**91.9**								
Barium	493.409	10.0	9.72	**97.2**								
Beryllium	313.042	5.0	5.07	**101.4**								
Boron	249.678	200.0	180.23	**90.1**								
Cadmium	226.502	5.0	5.14	**102.7**								
Calcium	317.933	5000.0	4993.79	**99.9**								
Chromium	267.716	5.0	4.80	**96.1**								
Cobalt	228.616	5.0	5.12	**102.5**								
Copper	324.753	15.0	16.02	**106.8**								
Iron	271.441	300.0	306.26	**102.1**								
Lead	220.353	10.0	10.00	**100.0**								
Magnesium	279.078	5000.0	5040.92	**100.8**								
Manganese	257.61	15.0	15.23	**101.6**								
Nickel	231.604	25.0	24.98	**99.9**								
Potassium	766.491	5000.0	5074.45	**101.5**								
Selenium	196.026	20.0	19.10	**95.5**								
Sodium	330.232	5000.0	5293.09	**105.9**								
Vanadium	292.402	7.0	6.71	**95.9**								
Zinc	213.856	40.0	40.32	**100.8**								

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10712c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	ICB 07/12/05 11:10 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U								

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 07/17/05 5:04 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	4.0	U								
Antimony	206.838	10	2.7	U								
Arsenic	189.042	10	1.7	U								
Barium	493.409	200	0.1	U								
Beryllium	313.042	5	0.0	U								
Boron	249.678	200	**5.9**	**B**								
Cadmium	226.502	2	0.2	U								
Calcium	317.933	5000	35.0	U								
Chromium	267.716	5	0.7	U								
Cobalt	228.616	7	0.6	U								
Copper	324.753	25	0.6	U								
Iron	271.441	100	12.6	U								
Lead	220.353	3	1.5	U								
Magnesium	279.078	5000	5.6	U								
Manganese	257.61	15	0.1	U								
Nickel	231.604	40	0.7	U								
Potassium	766.491	5000	20.4	U								
Selenium	196.026	5	2.5	U								
Sodium	330.232	5000	201.0	U								
Vanadium	292.402	7	0.6	U								
Zinc	213.856	20	5.4	U								

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: hg10712c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	CCB 07/12/05 11:15 AM Found	Q	CCB 07/12/05 11:24 AM Found	Q	Ck1CCB 07/12/05 11:28 AM Found	Q	Ck1CCB 07/12/05 11:42 AM Found	Q	Ck1CCB 07/12/05 11:55 AM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: hg10712c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 07/12/05 12:09 PM Found	Q	Ck1CCB 07/12/05 12:25 PM Found	Q	Ck1CCB 07/12/05 12:42 PM Found	Q	Ck1CCB 07/12/05 12:54 PM Found	Q	Ck1CCB 07/12/05 1:13 PM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: hg10712c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 07/12/05 1:29 PM Found	Q	Ck1CCB 07/12/05 1:44 PM Found	Q	Ck1CCB 07/12/05 1:55 PM Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U				

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 07/17/05 5:55 PM Found	Q	CCB 07/17/05 7:37 PM Found	Q	CCB 07/17/05 8:45 PM Found	Q	CCB 07/17/05 9:55 PM Found	Q	CCB 07/17/05 11:02 PM Found	Q
Aluminum	308.215	200	4.0	U	**19.4**	**B**	**15.5**	**B**	**17.2**	**B**	**16.3**	**B**
Antimony	206.838	10	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U
Arsenic	189.042	10	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
Barium	493.409	200	0.1	U	0.1	U	0.1	U	0.1	U	**0.2**	**B**
Beryllium	313.042	5	0.0	U	0.0	U	0.0	U	0.0	U	**0.0**	**B**
Boron	249.678	200	**10.6**	**B**	**10.7**	**B**	**12.9**	**B**	**13.2**	**B**	**13.8**	**B**
Cadmium	226.502	2	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Calcium	317.933	5000	**349.0**	**B**	**269.0**	**B**	**255.0**	**B**	**255.0**	**B**	35.0	U
Chromium	267.716	5	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Cobalt	228.616	7	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Copper	324.753	25	0.6	U	0.6	U	**-0.7**	**B**	**-1.2**	**B**	**-0.9**	**B**
Iron	271.441	100	12.6	U	12.6	U	12.6	U	12.6	U	12.6	U
Lead	220.353	3	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Magnesium	279.078	5000	**7.1**	**B**	**6.1**	**B**	5.6	U	5.6	U	5.6	U
Manganese	257.61	15	0.1	U	0.1	U	**-0.1**	**B**	**-0.2**	**B**	**-0.2**	**B**
Nickel	231.604	40	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Potassium	766.491	5000	20.4	U	20.4	U	20.4	U	20.4	U	20.4	U
Selenium	196.026	5	2.5	U	2.5	U	2.5	U	2.5	U	**2.8**	**B**
Sodium	330.232	5000	201.0	U	201.0	U	201.0	U	201.0	U	201.0	U
Vanadium	292.402	7	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Zinc	213.856	20	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	CCB 07/18/05 12:13 AM Found	Q	CCB 07/18/05 1:21 AM Found	Q	CCB 07/18/05 2:28 AM Found	Q	CCB 07/18/05 3:36 AM Found	Q	CCB 07/18/05 4:43 AM Found	Q
Aluminum	308.215	200	**18.4**	**B**	**22.0**	**B**	**32.2**	**B**	**37.4**	**B**	**39.3**	**B**
Antimony	206.838	10	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U
Arsenic	189.042	10	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
Barium	493.409	200	**0.4**	**B**	**0.4**	**B**	0.1	U	0.1	U	0.1	U
Beryllium	313.042	5	0.0	U	0.0	U	0.0	U	**0.1**	**B**	**0.2**	**B**
Boron	249.678	200	**25.4**	**B**	**18.7**	**B**	**17.7**	**B**	**16.8**	**B**	**17.0**	**B**
Cadmium	226.502	2	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Calcium	317.933	5000	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U
Chromium	267.716	5	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Cobalt	228.616	7	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Copper	324.753	25	**-0.8**	**B**	0.6	U	**-1.3**	**B**	**-1.8**	**B**	**-2.8**	**B**
Iron	271.441	100	**-15.0**	**B**	**-15.0**	**B**	**-14.0**	**B**	12.6	U	**85.3**	**B**
Lead	220.353	3	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Magnesium	279.078	5000	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
Manganese	257.61	15	**-0.2**	**B**	**-0.3**	**B**	0.1	U	**0.2**	**B**	**0.8**	**B**
Nickel	231.604	40	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Potassium	766.491	5000	20.4	U	20.4	U	20.4	U	20.4	U	20.4	U
Selenium	196.026	5	2.5	U	2.5	U	2.5	U	2.5	U	**2.6**	**B**
Sodium	330.232	5000	201.0	U	201.0	U	201.0	U	201.0	U	**-250.0**	**B**
Vanadium	292.402	7	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Zinc	213.856	20	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	CCB 07/18/05 5:55 AM Found	Q	CCB 07/18/05 7:02 AM Found	Q	CCB 07/18/05 7:56 AM Found	Q	CCB 07/18/05 9:17 AM Found	Q	CCB 07/18/05 11:18 AM Found	Q
Aluminum	308.215	200	**36.4**	**B**	**39.9**	**B**	**32.9**	**B**	**7.8**	**B**	**-4.1**	**B**
Antimony	206.838	10	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U
Arsenic	189.042	10	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
Barium	493.409	200	0.1	U	**0.1**	**B**	0.1	U	0.1	U	0.1	U
Beryllium	313.042	5	**0.2**	**B**	**0.4**	**B**	**0.4**	**B**	**0.2**	**B**	**0.4**	**B**
Boron	249.678	200	**17.8**	**B**	**18.7**	**B**	**17.7**	**B**	**13.1**	**B**	**14.5**	**B**
Cadmium	226.502	2	0.2	U	0.2	U	0.2	U	**0.2**	**B**	0.2	U
Calcium	317.933	5000	35.0	U	35.0	U	35.0	U	**41.8**	**B**	**36.9**	**B**
Chromium	267.716	5	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Cobalt	228.616	7	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Copper	324.753	25	**-3.7**	**B**	**-3.7**	**B**	**-4.0**	**B**	**1.2**	**B**	**2.4**	**B**
Iron	271.441	100	**62.0**	**B**	**77.8**	**B**	**90.7**	**B**	**56.5**	**B**	**73.0**	**B**
Lead	220.353	3	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
Magnesium	279.078	5000	5.6	U	5.6	U	5.6	U	5.6	U	5.6	U
Manganese	257.61	15	**5.6**	**B**	**12.7**	**B**	**14.3**	**B**	**7.1**	**B**	**2.7**	**B**
Nickel	231.604	40	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Potassium	766.491	5000	20.4	U	20.4	U	20.4	U	20.4	U	20.4	U
Selenium	196.026	5	2.5	U	2.5	U	**2.8**	**B**	2.5	U	2.5	U
Sodium	330.232	5000	201.0	U	**-310.0**	**B**	**-270.0**	**B**	201.0	U	**-210.0**	**B**
Vanadium	292.402	7	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Zinc	213.856	20	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A5G120000-022 **Prep Batch #...:** 5193022						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AK
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Barium	ND	0.20	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AL
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AM
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Boron	**0.047 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE87M1AN**
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Calcium	ND	5.0	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AP
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Copper	ND	0.025	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AQ
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Iron	ND	0.10	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AR
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Magnesium	ND	5.0	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AT
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Manganese	ND	0.015	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AU
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	
Mercury	ND	0.00020	mg/L	SW846 7470A	07/12/05	HE87M1A1
		Dilution Factor: 1				
		Analysis Time..: 13:26	Analyst ID.....: 001086		Instrument ID..: H1	
Nickel	ND	0.040	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AV
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260		Instrument ID..: I6	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	ND	5.0	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AW
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Sodium	ND	5.0	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AX
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Zinc	**0.0096 B**	**0.020**	**mg/L**	**SW846 6010B**	**07/12-07/17/05**	**HE87M1A0**
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Antimony	ND	0.010	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AA
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AC
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AD
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AJ
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AE
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Lead	ND	0.0030	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AF
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Selenium	ND	0.0050	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AG
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/12-07/17/05	HE87M1AH
		Dilution Factor: 1				
		Analysis Time..: 23:26	Analyst ID.....: 002260	Instrument ID..: I6		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	Reporting Limit	True Conc	ICSA 07/17/05 5:36 PM Found	Found	Found	Found	Found
Aluminum	308.215		500000	504000				
Antimony	206.838	10		1				
Arsenic	189.042	10		1				
Barium	493.409	200		2				
Beryllium	313.042	5		0				
Boron	249.678	200		-10				
Cadmium	226.502	2		-2				
Calcium	317.933		500000	509000				
Chromium	267.716	5		10				
Cobalt	228.616	7		4				
Copper	324.753	25		8				
Iron	271.441		200000	201000				
Lead	220.353	3		5				
Magnesium	279.078		500000	503000				
Manganese	257.61	15		16				
Nickel	231.604	40		8				
Potassium	766.491	5000		-4				
Selenium	196.026	5		-1				
Sodium	330.232	5000		-83				
Vanadium	292.402	7		-2				
Zinc	213.856	20		32				

U Result is less than the IDL

B Result is between IDL and RL

Form 4 Equivalent

Metals Data Reporting Form

Interference Check Standard AB

Instrument: ICPST **Units:** ug/L

Chart Number: I60717A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICSAB 07/17/05 5:42 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	500000	501781.3	**100.4**								
Antimony	206.838	1000	994.7	**99.5**								
Arsenic	189.042	1000	1017.7	**101.8**								
Barium	493.409	500	517.2	**103.4**								
Beryllium	313.042	500	506.8	**101.4**								
Boron	249.678	1000	1023.7	**102.4**								
Cadmium	226.502	1000	971.7	**97.2**								
Calcium	317.933	500000	506014.9	**101.2**								
Chromium	267.716	500	502.7	**100.5**								
Cobalt	228.616	500	498.4	**99.7**								
Copper	324.753	500	524.8	**105.0**								
Iron	271.441	200000	201282.6	**100.6**								
Lead	220.353	1000	977.6	**97.8**								
Magnesium	279.078	500000	501856.6	**100.4**								
Manganese	257.61	500	503.2	**100.6**								
Nickel	231.604	1000	971.6	**97.2**								
Potassium	766.491	10000	11560.1	**115.6**								
Selenium	196.026	1000	966.6	**96.7**								
Sodium	330.232	10000	10796.9	**108.0**								
Vanadium	292.402	500	496.8	**99.4**								
Zinc	213.856	1000	1060.1	**106.0**								

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5G070131-001 **Prep Batch #...:** 5193022							
Aluminum	110	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CT
	115	(75 - 125)	4.4	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CU
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Barium	104	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CV
	108	(75 - 125)	3.8	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CW
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Beryllium	105	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CX
	110	(75 - 125)	4.0	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1C0
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Boron	102	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1C1
	107	(75 - 125)	3.3	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1C2
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Calcium	107	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1C3
	108	(75 - 125)	0.65	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1C4
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Copper	109	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1C5
	113	(75 - 125)	4.1	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1C6
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Iron	112	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1C7
	115	(75 - 125)	2.7	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1C8
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Magnesium	111	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1C9
	113	(75 - 125)	0.70	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1DA
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	105	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1DC
	110	(75 - 125)	3.9	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1DD
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Mercury	102	(68 - 149)			SW846 7470A	07/12/05	HE1DD1DN
	100	(68 - 149)	2.2	(0-20)	SW846 7470A	07/12/05	HE1DD1DP
		Dilution Factor: 1					
		Analysis Time..: 13:34			Instrument ID..: H1	Analyst ID.....: 001086	
Nickel	104	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1DE
	108	(75 - 125)	3.6	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1DF
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Potassium	111	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1DG
	114	(75 - 125)	3.2	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1DH
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Sodium	107	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1DJ
	110	(75 - 125)	2.0	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1DK
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Zinc	107	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1DL
	111	(75 - 125)	3.6	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1DM
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Antimony	107	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1A9
	111	(75 - 125)	3.6	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CA
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Arsenic	105	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CC
	110	(75 - 125)	3.9	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CD
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Cadmium	104	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CE
	109	(75 - 125)	4.1	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CF
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	106	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CQ
	110	(75 - 125)	4.3	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CR
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Cobalt	105	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CG
	109	(75 - 125)	4.1	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CH
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Lead	102	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CJ
	107	(75 - 125)	4.3	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CK
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Selenium	106	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CL
	111	(75 - 125)	4.0	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CM
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	
Vanadium	104	(75 - 125)			SW846 6010B	07/12-07/17/05	HE1DD1CN
	108	(75 - 125)	4.1	(0-20)	SW846 6010B	07/12-07/17/05	HE1DD1CP
		Dilution Factor: 1					
		Analysis Time..: 23:53			Instrument ID..: I6	Analyst ID.....: 002260	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5G070131-001 **Prep Batch #...:** 5193022									
Aluminum									
	ND	2.0	2.2	mg/L	110		SW846 6010B	07/12-07/17/05	HE1DD1CT
	ND	2.0	2.3	mg/L	115	4.4	SW846 6010B	07/12-07/17/05	HE1DD1CU
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Barium									
	0.053	2.0	2.1	mg/L	104		SW846 6010B	07/12-07/17/05	HE1DD1CV
	0.053	2.0	2.2	mg/L	108	3.8	SW846 6010B	07/12-07/17/05	HE1DD1CW
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Beryllium									
	ND	0.050	0.053	mg/L	105		SW846 6010B	07/12-07/17/05	HE1DD1CX
	ND	0.050	0.055	mg/L	110	4.0	SW846 6010B	07/12-07/17/05	HE1DD1C0
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Boron									
	0.27	1.0	1.3	mg/L	102		SW846 6010B	07/12-07/17/05	HE1DD1C1
	0.27	1.0	1.3	mg/L	107	3.3	SW846 6010B	07/12-07/17/05	HE1DD1C2
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Calcium									
	69.9	50.0	123	mg/L	107		SW846 6010B	07/12-07/17/05	HE1DD1C3
	69.9	50.0	124	mg/L	108	0.65	SW846 6010B	07/12-07/17/05	HE1DD1C4
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Copper									
	ND	0.25	0.27	mg/L	109		SW846 6010B	07/12-07/17/05	HE1DD1C5
	ND	0.25	0.28	mg/L	113	4.1	SW846 6010B	07/12-07/17/05	HE1DD1C6
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Iron									
	0.33	1.0	1.4	mg/L	112		SW846 6010B	07/12-07/17/05	HE1DD1C7
	0.33	1.0	1.5	mg/L	115	2.7	SW846 6010B	07/12-07/17/05	HE1DD1C8
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	73.9	50.0	129	mg/L	111		SW846 6010B	07/12-07/17/05	HE1DD1C9
	73.9	50.0	130	mg/L	113	0.70	SW846 6010B	07/12-07/17/05	HE1DD1DA
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Manganese									
	0.012	0.50	0.54	mg/L	105		SW846 6010B	07/12-07/17/05	HE1DD1DC
	0.012	0.50	0.56	mg/L	110	3.9	SW846 6010B	07/12-07/17/05	HE1DD1DD
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Mercury									
	ND	0.0010	0.0010	mg/L	102		SW846 7470A	07/12/05	HE1DD1DN
	ND	0.0010	0.0010	mg/L	100	2.2	SW846 7470A	07/12/05	HE1DD1DP
			Dilution Factor: 1						
			Analysis Time..: 13:34		Instrument ID..: H1			Analyst ID.....: 001086	
Nickel									
	ND	0.50	0.52	mg/L	104		SW846 6010B	07/12-07/17/05	HE1DD1DE
	ND	0.50	0.54	mg/L	108	3.6	SW846 6010B	07/12-07/17/05	HE1DD1DF
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Potassium									
	2.4	50.0	57.7	mg/L	111		SW846 6010B	07/12-07/17/05	HE1DD1DG
	2.4	50.0	59.6	mg/L	114	3.2	SW846 6010B	07/12-07/17/05	HE1DD1DH
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Sodium									
	29.0	50.0	82.4	mg/L	107		SW846 6010B	07/12-07/17/05	HE1DD1DJ
	29.0	50.0	84.1	mg/L	110	2.0	SW846 6010B	07/12-07/17/05	HE1DD1DK
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Zinc									
	ND	0.50	0.54	mg/L	107		SW846 6010B	07/12-07/17/05	HE1DD1DL
	ND	0.50	0.56	mg/L	111	3.6	SW846 6010B	07/12-07/17/05	HE1DD1DM
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	0.50	0.53	mg/L	107		SW846 6010B	07/12-07/17/05	HE1DD1A9
	ND	0.50	0.55	mg/L	111	3.6	SW846 6010B	07/12-07/17/05	HE1DD1CA
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Arsenic									
	ND	2.0	2.1	mg/L	105		SW846 6010B	07/12-07/17/05	HE1DD1CC
	ND	2.0	2.2	mg/L	110	3.9	SW846 6010B	07/12-07/17/05	HE1DD1CD
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Cadmium									
	ND	0.050	0.052	mg/L	104		SW846 6010B	07/12-07/17/05	HE1DD1CE
	ND	0.050	0.054	mg/L	109	4.1	SW846 6010B	07/12-07/17/05	HE1DD1CF
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Chromium									
	ND	0.20	0.21	mg/L	106		SW846 6010B	07/12-07/17/05	HE1DD1CQ
	ND	0.20	0.22	mg/L	110	4.3	SW846 6010B	07/12-07/17/05	HE1DD1CR
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Cobalt									
	ND	0.50	0.53	mg/L	105		SW846 6010B	07/12-07/17/05	HE1DD1CG
	ND	0.50	0.55	mg/L	109	4.1	SW846 6010B	07/12-07/17/05	HE1DD1CH
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Lead									
	ND	0.50	0.51	mg/L	102		SW846 6010B	07/12-07/17/05	HE1DD1CJ
	ND	0.50	0.53	mg/L	107	4.3	SW846 6010B	07/12-07/17/05	HE1DD1CK
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	
Selenium									
	ND	2.0	2.1	mg/L	106		SW846 6010B	07/12-07/17/05	HE1DD1CL
	ND	2.0	2.2	mg/L	111	4.0	SW846 6010B	07/12-07/17/05	HE1DD1CM
			Dilution Factor: 1						
			Analysis Time..: 23:53		Instrument ID..: I6			Analyst ID.....: 002260	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium									
	ND	0.50	0.52	mg/L	104		SW846 6010B	07/12-07/17/05	HE1DD1CN
	ND	0.50	0.54	mg/L	108	4.1	SW846 6010B	07/12-07/17/05	HE1DD1CP

Dilution Factor: 1
Analysis Time..: 23:53 Instrument ID..: I6 Analyst ID.....: 002260

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5G120000-022 **Prep Batch #...:** 5193022					
Aluminum	110	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CA
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Barium	104	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CC
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Beryllium	107	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CD
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Boron	104	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CE
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Calcium	109	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CF
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Copper	111	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CG
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Iron	113	(77 - 127)	SW846 6010B	07/12-07/17/05	HE87M1CH
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Magnesium	108	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CJ
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Manganese	106	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CK
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			
Nickel	108	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CL
		Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260	
		Instrument ID..: I6			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	110	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CM
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Sodium	107	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CN
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Zinc	108	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1CP
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Mercury	99	(82 - 131)	SW846 7470A	07/12/05	HE87M1CQ
	Dilution Factor: 1	Analysis Time..: 13:30	Analyst ID.....: 001086		
	Instrument ID..: H1				
Antimony	106	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1A2
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Arsenic	106	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1A3
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Cadmium	107	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1A4
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Cobalt	107	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1A5
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Lead	104	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1A6
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Selenium	107	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1A7
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				
Vanadium	106	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1A8
	Dilution Factor: 1	Analysis Time..: 23:31	Analyst ID.....: 002260		
	Instrument ID..: I6				

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	107	(80 - 120)	SW846 6010B	07/12-07/17/05	HE87M1A9

Dilution Factor: 1 Analysis Time..: 23:31 Analyst ID.....: 002260
Instrument ID..: I6

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5G120000-022 **Prep Batch #...:** 5193022							
Aluminum	2.0	2.2	mg/L	110	SW846 6010B	07/12-07/17/05	HE87M1CA
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Barium	2.0	2.1	mg/L	104	SW846 6010B	07/12-07/17/05	HE87M1CC
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Beryllium	0.050	0.053	mg/L	107	SW846 6010B	07/12-07/17/05	HE87M1CD
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Boron	1.0	1.0	mg/L	104	SW846 6010B	07/12-07/17/05	HE87M1CE
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Calcium	50.0	54.6	mg/L	109	SW846 6010B	07/12-07/17/05	HE87M1CF
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Copper	0.25	0.28	mg/L	111	SW846 6010B	07/12-07/17/05	HE87M1CG
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Iron	1.0	1.1	mg/L	113	SW846 6010B	07/12-07/17/05	HE87M1CH
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Magnesium	50.0	53.9	mg/L	108	SW846 6010B	07/12-07/17/05	HE87M1CJ
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Manganese	0.50	0.53	mg/L	106	SW846 6010B	07/12-07/17/05	HE87M1CK
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Nickel	0.50	0.54	mg/L	108	SW846 6010B	07/12-07/17/05	HE87M1CL
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	50.0	54.9	mg/L	110	SW846 6010B	07/12-07/17/05	HE87M1CM
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Sodium	50.0	53.5	mg/L	107	SW846 6010B	07/12-07/17/05	HE87M1CN
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Zinc	0.50	0.54	mg/L	108	SW846 6010B	07/12-07/17/05	HE87M1CP
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Mercury	0.0050	0.0050	mg/L	99	SW846 7470A	07/12/05	HE87M1CQ
			Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001086	
			Instrument ID..: H1				
Antimony	0.50	0.53	mg/L	106	SW846 6010B	07/12-07/17/05	HE87M1A2
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Arsenic	2.0	2.1	mg/L	106	SW846 6010B	07/12-07/17/05	HE87M1A3
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Cadmium	0.050	0.053	mg/L	107	SW846 6010B	07/12-07/17/05	HE87M1A4
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Cobalt	0.50	0.54	mg/L	107	SW846 6010B	07/12-07/17/05	HE87M1A5
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Lead	0.50	0.52	mg/L	104	SW846 6010B	07/12-07/17/05	HE87M1A6
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Selenium	2.0	2.1	mg/L	107	SW846 6010B	07/12-07/17/05	HE87M1A7
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				
Vanadium	0.50	0.53	mg/L	106	SW846 6010B	07/12-07/17/05	HE87M1A8
			Dilution Factor: 1		Analysis Time..: 23:31	Analyst ID.....: 002260	
			Instrument ID..: I6				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	0.20	0.21	mg/L	107	SW846 6010B	07/12-07/17/05	HE87M1A9

Dilution Factor: 1 Analysis Time..: 23:31 Analyst ID.....: 002260
Instrument ID..: I6

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Mercury	253.700	0.2	0.10	04/14/05

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Aluminum	308.215	200.0	4.0	01/12/05
Antimony	206.838	10.0	2.7	01/12/05
Arsenic	189.042	10.0	1.7	01/12/05
Barium	493.409	200.0	0.11	01/12/05
Beryllium	313.042	5.0	0.033	01/12/05
Boron	249.678	200.0	3.9	01/12/05
Cadmium	226.502	2.0	0.17	01/12/05
Calcium	317.933	5000.0	35.0	01/12/05
Chromium	267.716	5.0	0.73	01/12/05
Cobalt	228.616	7.0	0.61	01/12/05
Copper	324.753	25.0	0.61	01/12/05
Iron	271.441	100.0	12.6	01/12/05
Lead	220.353	3.0	1.5	01/12/05
Magnesium	279.078	5000.0	5.6	01/12/05
Manganese	257.610	15.0	0.12	01/12/05
Nickel	231.604	40.0	0.72	01/12/05
Potassium	766.491	5000.0	20.4	01/12/05
Selenium	196.026	5.0	2.5	01/12/05
Sodium	330.232	5000.0	201	01/12/05
Vanadium	292.402	7.0	0.60	01/12/05
Zinc	213.856	20.0	5.4	01/12/05

STL North Canton

Metals Data Reporting Form

Inter-Element Correction Factors

Instrument: ICPST **Date of IEC's:** 07/05/05

Interfering Element	Wavelength /Mass	Correction Factor(s)
Aluminum	308.215	Pb(-0.00009967), Se(-0.00000267), Zn(0.000016)
Chromium	267.716	As(-0.00509), Fe(0.00222), Sb(0.01447867), Tl(0.000307)
Copper	324.753	Zn(0.000806)
Iron	271.441	Cd(0.000088), Mn(0.000002), Pb(0.00004833), Sb(0.00002), Se(-0.00021333), Tl(-0.00002), V(0.000028), Zn(0.000099)
Manganese	257.61	Ag(0.00015), Se(0.00050667), Tl(-0.00783)
Molybdenum	202.03	Al(0.02086), As(0.00093), Cr(-0.00024), Cu(0.000493), Fe(0.00273), Pb(-0.0005), Sb(-0.00538667), V(-0.00484)
Nickel	231.604	Cd(-0.00002), Co(0.000204), Pb(0.000136), Sb(-0.00010333), Zn(0.006054)
Vanadium	292.402	Al(-0.00172), Be(0.00012), Cr(0.00024), Cu(-0.0003), Fe(0.009034), Pb(-0.00019333), Sb(-0.005134), Tl(0.002802)

STL North Canton

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICPST **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Aluminum	308.22	500000	07/05/05
Antimony	206.84	10000	07/05/05
Arsenic	189.04	10000	07/05/05
Barium	493.41	25000	07/05/05
Beryllium	313.04	4000	07/05/05
Boron	249.68	50000	07/05/05
Cadmium	226.50	2500	07/05/05
Calcium	317.93	600000	07/05/05
Chromium	267.72	50000	07/05/05
Cobalt	228.62	50000	07/05/05
Copper	324.75	30000	07/05/05
Iron	271.44	600000	07/05/05
Lead	220.35	15000	07/05/05
Magnesium	279.08	600000	07/05/05
Manganese	257.61	30000	07/08/05
Nickel	231.60	50000	07/05/05
Potassium	766.49	600000	07/05/05
Selenium	196.03	10000	07/05/05
Sodium	330.23	600000	07/05/05
Vanadium	292.40	50000	07/05/05
Zinc	213.86	10000	07/05/05

Batch Number 5193022

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Initials UPM

Prep Date: 7/12/05

Due Date: 2005/07/19

Lot	Work Order				ICP Weight	ICPMS Weight	Hg Weight
A5G120000	HE87M	B	Due Date:	/ / 0			
Water	Total			SDG:			
A5G120000	HE87M	C	Due Date:	/ / 0			
Water	Total			SDG:			
A5G080236	HE4L4		Due Date:	7/19/05			
Water	Total			SDG:			
A5G080236	HE4NQ		Due Date:	7/19/05			
Water	Total			SDG:			
A5G070131	HE1DD		Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DD	D	Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DD	S	Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DG		Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DJ		Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DK		Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DL		Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DN		Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DP		Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DQ		Due Date:	7/21/05			
Water	Total			SDG:			
A5G070131	HE1DR		Due Date:	7/21/05			
Water	Total			SDG:			
A5G080152	HE3QC		Due Date:	7/22/05			
Water	Total			SDG:			
A5G080152	HE3QH		Due Date:	7/22/05			
Water	Total			SDG:			
A5G080152	HE3QJ		Due Date:	7/22/05			
Water	Total			SDG:			
A5G080152	HE3QL		Due Date:	7/22/05			
Water	Total			SDG:			
A5G080152	HE3QM		Due Date:	7/22/05			
Water	Total			SDG:			

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number 5193022

Initials WPM

Prep Date: 7/12/05

Due Date: 2005/07/19

Lot	Work Order			ICP Weight	ICPMS Weight	Hg Weight
A5G080152	HE3QP	Due Date:	7/22/05			
Water	Total		SDG:			
A5G080181	HE31D	Due Date:	7/22/05			
Water	Total		SDG: 5G06126			
A5G080286	HE43E	Due Date:	7/22/05			
Water	Total		SDG:			
A5G080305	HE47C	Due Date:	7/22/05			
Water	Total		SDG:			

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH ✓

MS/MSD AND PDS ON BATCH ✓

CURVE PREPARED FOR Hg

CORRECT SPIKES ADDED ✓

SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG ✓

Comments:

B - BLANK ; C - CHECK SAMPLE ; L - CHECK SAMPLE DUPLICATE ; P - SERIAL DILUTION ; S - MATRIX SPIKE SAMPLE ; D - MATRIX SPIKE DUPLICATE SAMPLE

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE BX CA CD CO CR CU FE KX MG MN NA NI PB SB SE TL VX ZN

ICPMS ELEMENTS WITHIN THE BATCH:

MS/MSD 1: HE1DD	(ICP-1)	(ICP-2A)	RCRA	non - RCRA	(Hg)	(Ag)	ICPMS-1	ICPMS-2
MS/MSD2:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD3:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
LCS/LCSD : HE87M	(ICP-1)	(ICP-2A)			(Hg)	(Ag)	ICPMS-1	ICPMS-2

Prep Method(s): MCAWW 200.7,SW846 3005A,SW846 7470A

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:       Instrument Upload                                    Run Log - Page  1 :
:       Started Tue Jul 12 12:16:02 2005 by LISTM                              :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG10712C.PRN;1                       :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1REP1	1	12-JUL-2005	10:59:16			H1
2	STD2REP1	1	12-JUL-2005	11:00:33			H1
3	STD3REP1	1	12-JUL-2005	11:02:08			H1
4	STD4REP1	1	12-JUL-2005	11:03:14			H1
5	STD5REP1	1	12-JUL-2005	11:04:42			H1
6	STD6REP1	1	12-JUL-2005	11:06:13			H1
7	ICV	1	12-JUL-2005	11:08:51			H1
8	ICB	1	12-JUL-2005	11:10:15			H1
9	CRA\MRL	1	12-JUL-2005	11:11:34			H1
10	CCV	1	12-JUL-2005	11:12:40			H1
11	CCB	1	12-JUL-2005	11:15:07			H1
12	PBW	1	12-JUL-2005	11:16:18			H1
13	LCSW	1	12-JUL-2005	11:17:25			H1
14	HER5D	1	12-JUL-2005	11:18:43	5192075	5G01263	H1
15	HER5DD	1	12-JUL-2005	11:19:52			H1
16	HER5DS	1	12-JUL-2005	11:21:08	5192075	5G01263	H1
17	HER5F	1	12-JUL-2005	11:22:15	5192075	5G01263	H1
18	CCV	1	12-JUL-2005	11:23:35			H1
19	CCB	1	12-JUL-2005	11:24:44			H1
20	CK2CCV	1	12-JUL-2005	11:26:33			H1
21	CK1CCB	1	12-JUL-2005	11:28:08			H1
22	IDL	1	12-JUL-2005	11:29:23			H1
23	IDL	1	12-JUL-2005	11:30:28			H1
24	IDL	1	12-JUL-2005	11:31:49			H1
25	IDL	1	12-JUL-2005	11:32:58			H1
26	IDL	1	12-JUL-2005	11:34:07			H1
27	IDL	1	12-JUL-2005	11:35:17			H1
28	IDL	1	12-JUL-2005	11:36:29			H1
29	HEW21B	1	12-JUL-2005	11:37:38	5187022	A5G060000	H1
30	HEW21C	1	12-JUL-2005	11:38:47	5187022	A5G060000	H1
31	HEF1N	1	12-JUL-2005	11:40:18	5187022	A5F270174	H1
32	CK2CCV	1	12-JUL-2005	11:41:48			H1
33	CK1CCB	1	12-JUL-2005	11:42:56			H1
34	HEF1NX	1	12-JUL-2005	11:44:02	5187022	A5F270174	H1
35	HEF1NS	1	12-JUL-2005	11:45:11	5187022	A5F270174	H1
36	HE7NWB	1	12-JUL-2005	11:46:31	5192099	A5G110000	H1
37	HE7NWC	1	12-JUL-2005	11:47:48	5192099	A5G110000	H1
38	HEAF9	1	12-JUL-2005	11:49:38	5192099	5F22255	H1
39	HEAF9S	1	12-JUL-2005	11:50:59	5192099	5F22255	H1
40	HEAF9D	1	12-JUL-2005	11:52:05	5192099	5F22255	H1
41	HEAGG	1	12-JUL-2005	11:53:16	5192099	5F22255	H1
42	CK2CCV	1	12-JUL-2005	11:54:25			H1
43	CK1CCB	1	12-JUL-2005	11:55:51			H1
44	CK2CCV	1	12-JUL-2005	12:07:48			H1

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	CK1CCB	1	12-JUL-2005	12:09:26			H1
46	HE87RB	1	12-JUL-2005	12:10:55	5193030	A5G120000	H1
47	HE87RC	1	12-JUL-2005	12:12:08	5193030	A5G120000	H1
48	HETWL	1	12-JUL-2005	12:13:44	5193030	A5G020106	H1
49	HETWLS	1	12-JUL-2005	12:14:52	5193030	A5G020106	H1
50	HETWLD	1	12-JUL-2005	12:16:32	5193030	A5G020106	H1
51	HE3TG	1	12-JUL-2005	12:18:11	5193030	A5G080141	H1
52	HE3TX	1	12-JUL-2005	12:19:20	5193030	A5G080141	H1
53	HE6X7	1	12-JUL-2005	12:20:50	5193030	A5G090184	H1
54	HE6XK	1	12-JUL-2005	12:21:59	5193030	A5G090184	H1
55	HE87MB	1	12-JUL-2005	12:23:06	5193022	A5G120000	H1
56	CK2CCV	1	12-JUL-2005	12:24:13			H1
57	CK1CCB	1	12-JUL-2005	12:25:28			H1
58	HE87MC	1	12-JUL-2005	12:27:08	5193022	A5G120000	H1
59	HE4L4	1	12-JUL-2005	12:28:33	5193022	A5G080236	H1
60	HE4NQ	1	12-JUL-2005	12:30:12	5193022	A5G080236	H1
61	HE1DD	1	12-JUL-2005	12:31:26	5193022	A5G070131	H1
62	HE1DDS	1	12-JUL-2005	12:32:41	5193022	A5G070131	H1
63	HE1DDD	1	12-JUL-2005	12:34:02	5193022	A5G070131	H1
64	HE1DG	1	12-JUL-2005	12:35:48	5193022	A5G070131	H1
65	HE1DJ	1	12-JUL-2005	12:37:04	5193022	A5G070131	H1
66	HE1DK	1	12-JUL-2005	12:38:10	5193022	A5G070131	H1
67	HE1DL	1	12-JUL-2005	12:39:16	5193022	A5G070131	H1
68	CK2CCV	1	12-JUL-2005	12:40:44			H1
69	CK1CCB	1	12-JUL-2005	12:42:01			H1
70	HE1DN	1	12-JUL-2005	12:43:07	5193022	A5G070131	H1
71	HE1DP	1	12-JUL-2005	12:44:19	5193022	A5G070131	H1
72	HE1DQ	1	12-JUL-2005	12:46:47	5193022	A5G070131	H1
73	HE1DR	1	12-JUL-2005	12:47:57	5193022	A5G070131	H1
74	HE31D	1	12-JUL-2005	12:49:05	5193022	5G06126	H1
75	HE47C	1	12-JUL-2005	12:50:43	5193022	A5G080305	H1
76	CRA\MRL	1	12-JUL-2005	12:51:58			H1
77	CK2CCV	1	12-JUL-2005	12:53:13			H1
78	CK1CCB	1	12-JUL-2005	12:54:23			H1
79	CK2CCV	1	12-JUL-2005	13:12:31			H1
80	CK1CCB	1	12-JUL-2005	13:13:38			H1
81	HE87RB	1	12-JUL-2005	13:15:02	5193030	A5G120000	H1
82	HE87RC	1	12-JUL-2005	13:16:16	5193030	A5G120000	H1
83	HETWL	1	12-JUL-2005	13:17:23	5193030	A5G020106	H1
84	HETWLS	1	12-JUL-2005	13:18:29	5193030	A5G020106	H1
85	HETWLD	1	12-JUL-2005	13:19:56	5193030	A5G020106	H1
86	HE3TG	1	12-JUL-2005	13:21:47	5193030	A5G080141	H1
87	HE3TX	1	12-JUL-2005	13:22:53	5193030	A5G080141	H1
88	HE6X7	1	12-JUL-2005	13:24:11	5193030	A5G090184	H1

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:       Instrument Upload                                    Run Log - Page  3 :
:       Started Tue Jul 12 12:16:03 2005 by LISTM                              :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG10712C.PRN;1                       :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	HE6XK	1	12-JUL-2005	13:25:30	5193030	A5G090184	H1
90	HE87MB	1	12-JUL-2005	13:26:40	5193022	A5G120000	H1
91	CK2CCV	1	12-JUL-2005	13:27:46			H1
92	CK1CCB	1	12-JUL-2005	13:29:07			H1
93	HE87MC	1	12-JUL-2005	13:30:14	5193022	A5G120000	H1
94	HE4L4	1	12-JUL-2005	13:31:20	5193022	A5G080236	H1
95	HE4NQ	1	12-JUL-2005	13:32:26	5193022	A5G080236	H1
96	HE1DD	1	12-JUL-2005	13:33:35	5193022	A5G070131	H1
97	HE1DDS	1	12-JUL-2005	13:34:55	5193022	A5G070131	H1
98	HE1DDD	1	12-JUL-2005	13:36:11	5193022	A5G070131	H1
99	HE1DG	1	12-JUL-2005	13:37:30	5193022	A5G070131	H1
100	HE1DJ	1	12-JUL-2005	13:39:01	5193022	A5G070131	H1
101	HE1DK	1	12-JUL-2005	13:40:17	5193022	A5G070131	H1
102	HE1DL	1	12-JUL-2005	13:41:33	5193022	A5G070131	H1
103	CK2CCV	1	12-JUL-2005	13:42:43			H1
104	CK1CCB	1	12-JUL-2005	13:44:31			H1
105	HE1DN	1	12-JUL-2005	13:45:56	5193022	A5G070131	H1
106	HE1DP	1	12-JUL-2005	13:47:02	5193022	A5G070131	H1
107	HE1DQ	1	12-JUL-2005	13:48:10	5193022	A5G070131	H1
108	HE1DR	1	12-JUL-2005	13:49:19	5193022	A5G070131	H1
109	HE31D	1	12-JUL-2005	13:50:25	5193022	5G06126	H1
110	HE47C	1	12-JUL-2005	13:51:30	5193022	A5G080305	H1
111	CRA\MRL	1	12-JUL-2005	13:52:50			H1
112	CK2CCV	1	12-JUL-2005	13:53:55			H1
113	CK1CCB	1	12-JUL-2005	13:55:03			H1

End of Report

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:       Instrument Upload                                    Run Log - Page  1 :
:       Started Mon Jul 18 13:29:34 2005 by WILLIAML                           :
:       Data File: UPL$CAN_DATA_ROOT:<TJA>I60717A.ARC;1                        :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	S0	1	17-JUL-2005	16:38:00			I6
2	CALSTD	1	17-JUL-2005	16:43:00			I6
3	CAL	1	17-JUL-2005	16:48:00			I6
4	S100	1	17-JUL-2005	16:52:00			I6
5	ICV	1	17-JUL-2005	16:57:00			I6
6	ICB	1	17-JUL-2005	17:04:00			I6
7	CRI	MRL	17-JUL-2005	17:10:00			I6
8	ICSA	1	17-JUL-2005	17:16:00			I6
9	200PPM	1	17-JUL-2005	17:21:00			I6
10	500PPM	1	17-JUL-2005	17:27:00			I6
11	ICSA	1	17-JUL-2005	17:36:00			I6
12	ICSAB	1	17-JUL-2005	17:42:00			I6
13	CCV	1	17-JUL-2005	17:48:00			I6
14	CCB	1	17-JUL-2005	17:55:00			I6
15	HFD36	1	17-JUL-2005	18:31:00	5195312	A5G130271	I6
16	HFD39	1	17-JUL-2005	18:36:00	5195312	A5G130271	I6
17	HFD39S	1	17-JUL-2005	18:41:00	5195312	A5G130271	I6
18	HFD39D	1	17-JUL-2005	18:46:00	5195312	A5G130271	I6
19	HFD4E	1	17-JUL-2005	18:53:00	5195312	A5G130271	I6
20	HFD4G	1	17-JUL-2005	18:58:00	5195312	A5G130271	I6
21	HFD4J	1	17-JUL-2005	19:04:00	5195312	A5G130271	I6
22	HFD4L	1	17-JUL-2005	19:09:00	5195312	A5G130271	I6
23	HFD4M	1	17-JUL-2005	19:14:00	5195312	A5G130271	I6
24	HFD4P	1	17-JUL-2005	19:22:00	5195312	A5G130271	I6
25	CCV	1	17-JUL-2005	19:30:00			I6
26	CCB	1	17-JUL-2005	19:37:00			I6
27	HFD4R	1	17-JUL-2005	19:42:00	5195312	A5G130271	I6
28	HFD4V	1	17-JUL-2005	19:48:00	5195312	A5G130271	I6
29	HFD4W	1	17-JUL-2005	19:53:00	5195312	A5G130271	I6
30	HFD4X	1	17-JUL-2005	19:58:00	5195312	A5G130271	I6
31	HFD40	1	17-JUL-2005	20:03:00	5195312	A5G130271	I6
32	HFD41	1	17-JUL-2005	20:08:00	5195312	A5G130271	I6
33	HFD44	1	17-JUL-2005	20:14:00	5195312	A5G130271	I6
34	HFD47	1	17-JUL-2005	20:19:00	5195312	A5G130271	I6
35	HFD47L	1	17-JUL-2005	20:24:00			I6
36	HE7MNB	1	17-JUL-2005	20:33:00	5192066	A5G110000	I6
37	CCV	1	17-JUL-2005	20:38:00			I6
38	CCB	1	17-JUL-2005	20:45:00			I6
39	HE7MNC	1	17-JUL-2005	20:51:00	5192066	A5G110000	I6
40	HE403	1	17-JUL-2005	20:57:00	5192066	A5G080277	I6
41	HE403F	1	17-JUL-2005	21:03:00	5192066	A5G080277	I6
42	HE403S	1	17-JUL-2005	21:08:00	5192066	A5G080277	I6
43	HE403D	1	17-JUL-2005	21:13:00	5192066	A5G080277	I6
44	HE409	1	17-JUL-2005	21:19:00	5192066	A5G080277	I6

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	HE409F	1	17-JUL-2005	21:24:00	5192066	A5G080277	I6
46	HE41A	1	17-JUL-2005	21:29:00	5192066	A5G080277	I6
47	HE41AF	1	17-JUL-2005	21:35:00	5192066	A5G080277	I6
48	HE41D	1	17-JUL-2005	21:40:00	5192066	A5G080277	I6
49	CCV	1	17-JUL-2005	21:48:00			I6
50	CCB	1	17-JUL-2005	21:55:00			I6
51	HE41DF	1	17-JUL-2005	22:00:00	5192066	A5G080277	I6
52	HE41E	1	17-JUL-2005	22:06:00	5192066	A5G080277	I6
53	HE41EF	1	17-JUL-2005	22:11:00	5192066	A5G080277	I6
54	HE6PN	1	17-JUL-2005	22:16:00	5192066	A5G090155	I6
55	HEXJL	1	17-JUL-2005	22:21:00	5192066	A5G060144	I6
56	HEXMX	1	17-JUL-2005	22:26:00	5192066	A5G060170	I6
57	HEXM0	1	17-JUL-2005	22:32:00	5192066	A5G060170	I6
58	HEXM1	1	17-JUL-2005	22:37:00	5192066	A5G060170	I6
59	HEXM3	1	17-JUL-2005	22:42:00	5192066	A5G060170	I6
60	HEXM3F	1	17-JUL-2005	22:47:00	5192066	A5G060170	I6
61	CCV	1	17-JUL-2005	22:55:00			I6
62	CCB	1	17-JUL-2005	23:02:00			I6
63	HE4QX	1	17-JUL-2005	23:08:00	5192066	A5G080247	I6
64	HE4RE	1	17-JUL-2005	23:13:00	5192066	A5G080247	I6
65	HE4REL	1	17-JUL-2005	23:18:00			I6
66	HE87MBF	1	17-JUL-2005	23:26:00			I6
67	HE87MCF	1	17-JUL-2005	23:31:00			I6
68	HE4L4	1	17-JUL-2005	23:37:00	5193022	A5G080236	I6
69	HE4NQ	1	17-JUL-2005	23:42:00	5193022	A5G080236	I6
70	HE1DDF	1	17-JUL-2005	23:47:00			I6
71	HE1DDSF	1	17-JUL-2005	23:53:00			I6
72	HE1DDDF	1	17-JUL-2005	23:58:00			I6
73	CCV	1	18-JUL-2005	00:05:00			I6
74	CCB	1	18-JUL-2005	00:13:00			I6
75	HE1DG	1	18-JUL-2005	00:18:00	5193022	A5G070131	I6
76	HE1DJ	1	18-JUL-2005	00:24:00	5193022	A5G070131	I6
77	HE1DK	1	18-JUL-2005	00:29:00	5193022	A5G070131	I6
78	HE1DL	1	18-JUL-2005	00:34:00	5193022	A5G070131	I6
79	HE1DN	1	18-JUL-2005	00:39:00	5193022	A5G070131	I6
80	HE1DP	1	18-JUL-2005	00:44:00	5193022	A5G070131	I6
81	HE1DQ	1	18-JUL-2005	00:50:00	5193022	A5G070131	I6
82	HE1DR	1	18-JUL-2005	00:55:00	5193022	A5G070131	I6
83	HE3QC	1	18-JUL-2005	01:00:00	5193022	A5G080152	I6
84	HE3QH	1	18-JUL-2005	01:05:00	5193022	A5G080152	I6
85	CCV	1	18-JUL-2005	01:13:00			I6
86	CCB	1	18-JUL-2005	01:21:00			I6
87	HE3QJ	1	18-JUL-2005	01:26:00	5193022	A5G080152	I6
88	HE3QL	1	18-JUL-2005	01:31:00	5193022	A5G080152	I6

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	HE3QM	1	18-JUL-2005	01:36:00	5193022	A5G080152	I6
90	HE3QP	1	18-JUL-2005	01:41:00	5193022	A5G080152	I6
91	HE31D	1	18-JUL-2005	01:47:00	5193022	5G06126	I6
92	HE43E	1	18-JUL-2005	01:52:00	5193022	A5G080286	I6
93	HE47C	1	18-JUL-2005	01:57:00	5193022	A5G080305	I6
94	HE47CL	1	18-JUL-2005	02:02:00			I6
95	HETX1S	2	18-JUL-2005	02:08:00	5195299	A5G020111	I6
96	HET1P	5	18-JUL-2005	02:13:00	5195299	A5G020111	I6
97	CCV	1	18-JUL-2005	02:20:00			I6
98	CCB	1	18-JUL-2005	02:28:00			I6
99	HE47M	5	18-JUL-2005	02:33:00	5195307	5G08302	I6
100	HE47N	5	18-JUL-2005	02:39:00	5195307	5G08302	I6
101	HE47T	5	18-JUL-2005	02:44:00	5195307	5G08302	I6
102	HE47V	5	18-JUL-2005	02:49:00	5195307	5G08302	I6
103	HE47X	5	18-JUL-2005	02:54:00	5195307	5G08302	I6
104	HE470	5	18-JUL-2005	02:59:00	5195307	5G08302	I6
105	ZZZZZ	1	18-JUL-2005	03:05:00			I6
106	HE471	5	18-JUL-2005	03:10:00	5195307	5G08302	I6
107	HE473	5	18-JUL-2005	03:15:00	5195307	5G08302	I6
108	HE478	5	18-JUL-2005	03:20:00	5195307	5G08302	I6
109	CCV	1	18-JUL-2005	03:28:00			I6
110	CCB	1	18-JUL-2005	03:36:00			I6
111	HE48A	5	18-JUL-2005	03:41:00	5195307	5G08302	I6
112	HE6V5	5	18-JUL-2005	03:46:00	5195307	5G09172	I6
113	HE6V6	5	18-JUL-2005	03:51:00	5195307	5G09172	I6
114	HE6V7	5	18-JUL-2005	03:56:00	5195307	5G09172	I6
115	HE6V7	10	18-JUL-2005	04:02:00	5195307	5G09172	I6
116	HE6V8	5	18-JUL-2005	04:07:00	5195307	5G09172	I6
117	HE6WD	5	18-JUL-2005	04:12:00	5195307	5G09172	I6
118	HE6WF	5	18-JUL-2005	04:17:00	5195307	5G09172	I6
119	HE6WH	10	18-JUL-2005	04:23:00	5195307	5G09172	I6
120	HE6WK	1	18-JUL-2005	04:28:00	5195307	5G09172	I6
121	CCV	1	18-JUL-2005	04:35:00			I6
122	CCB	1	18-JUL-2005	04:43:00			I6
123	HE6WK	5	18-JUL-2005	04:48:00	5195307	5G09172	I6
124	HE6WKD	10	18-JUL-2005	04:54:00	5195307	5G09172	I6
125	HFAF5	5	18-JUL-2005	04:59:00	5195307	A5G120244	I6
126	HFAF5L	25	18-JUL-2005	05:04:00			I6
127	HFGKEB	1	18-JUL-2005	05:12:00	5195290	A5G140000	I6
128	HFGKEC	1	18-JUL-2005	05:17:00	5195290	A5G140000	I6
129	HET16	1	18-JUL-2005	05:23:00	5195290	5G02131	I6
130	HET16S	5	18-JUL-2005	05:28:00	5195290	5G02131	I6
131	HET16D	5	18-JUL-2005	05:33:00	5195290	5G02131	I6
132	HET2E	1	18-JUL-2005	05:39:00	5195290	5G02131	I6

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
133	CCV	1	18-JUL-2005	05:47:00			I6
134	CCB	1	18-JUL-2005	05:55:00			I6
135	HET2J	1	18-JUL-2005	06:00:00	5195290	5G02131	I6
136	HET2L	1	18-JUL-2005	06:05:00	5195290	5G02131	I6
137	HET2Q	1	18-JUL-2005	06:10:00	5195290	5G02131	I6
138	HET2V	1	18-JUL-2005	06:16:00	5195290	5G02131	I6
139	HET22	1	18-JUL-2005	06:21:00	5195290	5G02131	I6
140	HET26	1	18-JUL-2005	06:26:00	5195290	5G02131	I6
141	HET29	1	18-JUL-2005	06:31:00	5195290	5G02131	I6
142	HET3D	1	18-JUL-2005	06:37:00	5195290	5G02131	I6
143	HET3G	1	18-JUL-2005	06:42:00	5195290	5G02131	I6
144	HET3J	1	18-JUL-2005	06:47:00	5195290	5G02131	I6
145	CCV	1	18-JUL-2005	06:55:00			I6
146	CCB	1	18-JUL-2005	07:02:00			I6
147	HET3M	1	18-JUL-2005	07:08:00	5195290	5G02131	I6
148	HET3R	1	18-JUL-2005	07:13:00	5195290	5G02131	I6
149	HET3V	1	18-JUL-2005	07:18:00	5195290	5G02131	I6
150	HET3X	1	18-JUL-2005	07:23:00	5195290	5G02131	I6
151	HET30	1	18-JUL-2005	07:29:00	5195290	5G02131	I6
152	HET30L	1	18-JUL-2005	07:34:00			I6
153	CRI	MRL	18-JUL-2005	07:43:00			I6
154	CCV	1	18-JUL-2005	07:49:00			I6
155	CCB	1	18-JUL-2005	07:56:00			I6
156	CCV	1	18-JUL-2005	09:10:00			I6
157	CCB	1	18-JUL-2005	09:17:00			I6
158	HE7MNC	1	18-JUL-2005	09:35:00	5192066	A5G110000	I6
159	HFJQVBF	1	18-JUL-2005	09:42:00			I6
160	HFJQVCF	1	18-JUL-2005	09:47:00			I6
161	HFFJNF	1	18-JUL-2005	09:54:00			I6
162	HFFJNL	1	18-JUL-2005	09:59:00			I6
163	HFFJNSF	1	18-JUL-2005	10:04:00			I6
164	HFFJNDF	1	18-JUL-2005	10:10:00			I6
165	HE1DL	2	18-JUL-2005	10:49:00	5193022	A5G070131	I6
166	HE6WK	1	18-JUL-2005	10:56:00	5195307	5G09172	I6
167	HE6WK	5	18-JUL-2005	11:01:00	5195307	5G09172	I6
168	CCV	1	18-JUL-2005	11:10:00			I6
169	CCB	1	18-JUL-2005	11:18:00			I6
170	HE6WKD	5	18-JUL-2005	11:23:00	5195307	5G09172	I6
171	HFGKEB	1	18-JUL-2005	11:30:00	5195290	A5G140000	I6
172	HFGKEC	1	18-JUL-2005	11:35:00	5195290	A5G140000	I6
173	HET16	1	18-JUL-2005	11:42:00	5195290	5G02131	I6
174	HET16	10	18-JUL-2005	11:47:00	5195290	5G02131	I6
175	HET16S	10	18-JUL-2005	11:52:00	5195290	5G02131	I6
176	HET16D	10	18-JUL-2005	11:57:00	5195290	5G02131	I6

(continued)

INSTRUMENT PRINTOUTS

STL North Canton Hg Data Review Checklist

Run/Project Information

Run Date: 7-12-05 Analyst: MC Instrument: #1
Prep Batches Run: See run log

Circle Methods used: (7470A / 245.1 : CORP-MT-0005 Rev L) 7471 / 245.1 : CORP-MT-0007 Rev 1
(CLP - AQ : CORP-MT-0006 Rev 0) CLP - SOL : CORP-MT-0008 Rev 0
1631 : NC-MT-0001 Rev 1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I Analyst: Michaela Kist Date: 7-12-05
Comments:

2nd Level Reviewer: Patrick Ott Date: 7-12-05

Curve Prepared Date: 7-11-05 Time: 12:30pm-2:30pm

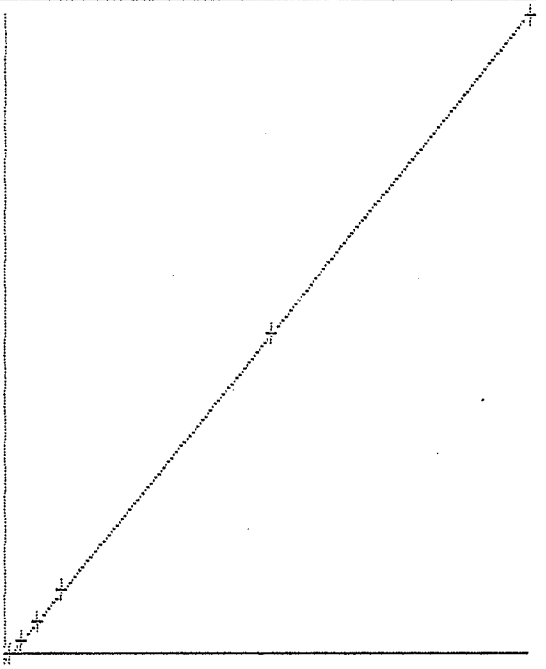
ICV HPS 505228 $SnCl_2$ 5MR474

CAL/CCV HPS 430505 NACL NH_2OHHCL 5MR469

```
RunProt: HGPPB      Hg analysis in the ppb range
RunFold: HG1807120 Seq: 6    Batch:
                 Prnt: R/T On                    Pump: On
                 Rev: 4.2    11:06:22 12 Jul 2005 Xmit: Off Gas:    0.70 LPM
State: Idle                                      User: SMI        A/S: On
```

CALIBRATION: Line proto: HGPPB

	Hg Conc.	Calc.	Dev.	Accepted ->linear	
S1	.0000	-.0032	-.0032	Quadratic	
S2	.2000	.2000	-.0000	Wtd linear	
S3	.5000	.5237	.0237		C
S4	1.000	.9820	-.0180	Accept	o
S5	5.000	4.994	-.0059		n
S6	10.00	10.00	.0035		c
A	.00000000	r	.999994		
B	1.36467e-5	C	-1.16187e-1		



	Mean			
S1	8277	0	SD	8277
S2	23168	0	%RSD	23168
S3	46898	0	%RSD	46898
S4	88478	0	%RSD	88478
S5	374471	0	%RSD	374471
S6	741545	0	%RSD	741545

New cal coefficients stored

```
*** Standard: 1 Rep: 1              Seq:  0      10:59:16 12 Jul 2005 HG

Hg    .0000   ppb      8277

*** Standard: 2 Rep: 1              Seq:  1      11:00:33 12 Jul 2005 HG

Hg    .2000   ppb      23168

*** Standard: 3 Rep: 1              Seq:  2      11:02:08 12 Jul 2005 HG

Hg    .5000   ppb      46890

*** Standard: 4 Rep: 1              Seq:  3      11:03:14 12 Jul 2005 HG

Hg    1.000   ppb      80470

*** Standard: 5 Rep: 1              Seq:  4      11:04:42 12 Jul 2005 HG

Hg    5.000   ppb      374471

*** Standard: 6 Rep: 1              Seq:  5      11:06:13 12 Jul 2005 HG

Hg    10.00   ppb      741545
```

11:08:51 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: ICV				Seq: 6	11:08:51 12 Jul 2005 HG			
			WATER					
Hg	2.607	ppb	199556					
*** Sample ID: ICB				Seq: 7	11:10:15 12 Jul 2005 HG			
			WATER					
Hg	-.0059	ppb	8083					
*** Sample ID: CRA\MRL				Seq: 8	11:11:34 12 Jul 2005 HG			
			WATER					
Hg	.1964	ppb	22903					
*** Sample ID: CCV				Seq: 9	11:12:40 12 Jul 2005 HG			
			WATER					
Hg	5.230	ppb	391722					
*** Sample ID: CCB				Seq: 10	11:15:07 12 Jul 2005 HG			
			WATER					
Hg	.0290	ppb	10641					
*** Sample ID: PBW				Seq: 11	11:16:18 12 Jul 2005 HG			
			SDG 5G01263					
Hg	.0063	ppb	8975					
*** Sample ID: LCSW				Seq: 12	11:17:25 12 Jul 2005 HG			
			WATER					
Hg	2.869	ppb	218734					
*** Sample ID: HER5D				Seq: 13	11:18:43 12 Jul 2005 HG			
			WATER					
Hg	-.0010	ppb	8443					
*** Sample ID: HER5DD				Seq: 14	11:19:52 12 Jul 2005 HG			
			WATER					
Hg	.0203	ppb	10003					
*** Sample ID: HER5DS				Seq: 15	11:21:08 12 Jul 2005 HG			
			WATER					
Hg	1.149	ppb	92701					
*** Sample ID: HER5F				Seq: 16	11:22:15 12 Jul 2005 HG			
			WATER					
Hg	.0153	ppb	9637					
*** Sample ID: CCV				Seq: 17	11:23:35 12 Jul 2005 HG			
			WATER					
Hg	5.241	ppb	392573					

11:24:44 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: CCB Seq: 18 11:24:44 12 Jul 2005 HG
WATER
Hg -.0244 ppb 6723

*** Check Standard: 2 Ck2CCV Seq: 19 11:26:33 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.9	5.246	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 20 11:28:08 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0049	.2000	ppb	.0000 %

*** Sample ID: IDL 1 Seq: 21 11:29:23 12 Jul 2005 HG
WATER
Hg .0162 ppb .0000 % .0162

AVG
0.0061

*** Sample ID: IDL 2 Seq: 22 11:30:28 12 Jul 2005 HG
WATER
Hg .0080 ppb .0000 % .0080

SD
0.01073

*** Sample ID: IDL 3 Seq: 23 11:31:49 12 Jul 2005 HG
WATER
Hg .0123 ppb .0000 % .0123

IDL
0.03219

*** Sample ID: IDL 4 Seq: 24 11:32:58 12 Jul 2005 HG
WATER
Hg -.0054 ppb .0000 % -.0054

*** Sample ID: IDL 5 Seq: 25 11:34:07 12 Jul 2005 HG
WATER
Hg .0154 ppb .0000 % .0154

*** Sample ID: IDL 6 Seq: 26 11:35:17 12 Jul 2005 HG
WATER
Hg -.0119 ppb .0000 % -.0119

*** Sample ID: IDL 7 Seq: 27 11:36:29 12 Jul 2005 HG
WATER
Hg .0081 ppb .0000 % .0081

*** Sample ID: HEW21B Seq: 28 11:37:38 12 Jul 2005 HG
5187022
Hg .0033 ppb .0000 % .0033

rerun to verify PE Samp 6

*** Sample ID: HEW21C Seq: 29 11:38:47 12 Jul 2005 HG
WATER
Hg 5.468 ppb .0000 % 5.468

11:40:18 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEF1N Seq: 30 11:40:18 12 Jul 2005 HG

WATER

Hg 3.202 ppb .0000 % 3.202

Rerun to verify PE sample

*** Check Standard: 2 Ck2CCV Seq: 31 11:41:48 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.5	5.273	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 32 11:42:56 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0265	.2000	ppb	.0000 %

*** Sample ID: HEF1NX Seq: 33 11:44:02 12 Jul 2005 HG

WATER

Hg 3.179 ppb .0000 % 3.179

*** Sample ID: HEF1NS Seq: 34 11:45:11 12 Jul 2005 HG

WATER

Hg 4.257 ppb .0000 % 4.257

*** Sample ID: HE7NWB Seq: 35 11:46:31 12 Jul 2005 HG

5192099

Hg -.0146 ppb .0000 % -.0146

*** Sample ID: HE7NWC Seq: 36 11:47:48 12 Jul 2005 HG

WATER

Hg 5.146 ppb .0000 % 5.146

*** Sample ID: HEAF9 Seq: 37 11:49:38 12 Jul 2005 HG

WATER

Hg -.0240 ppb .0000 % -.0240

*** Sample ID: HEAF9S Seq: 38 11:50:59 12 Jul 2005 HG

WATER

Hg .8157 ppb .0000 % .8157

*** Sample ID: HEAF9D Seq: 39 11:52:05 12 Jul 2005 HG

WATER

Hg .8552 ppb .0000 % .8552

*** Sample ID: HEAGG Seq: 40 11:53:16 12 Jul 2005 HG

WATER

Hg .2562 ppb .0000 % .2562

*** Check Standard: 2 Ck2CCV Seq: 41 11:54:25 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.9	5.195	5.000	ppb	.0000 %

11:55:51 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 42 11:55:51 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0190	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 43 12:07:48 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.22	4.811	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 44 12:09:26 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0007	.2000	ppb	.0000 %

rerun ccv failed

*** Sample ID: HE87RB Seq: 45 12:10:55 12 Jul 2005 HG

5193030

Hg	.0284	ppb	.0000 %	.0284

*** Sample ID: HE87RC Seq: 46 12:12:08 12 Jul 2005 HG

WATER

Hg	4.936	ppb	.0000 %	4.936

*** Sample ID: HETWL Seq: 47 12:13:44 12 Jul 2005 HG

WATER

Hg	-.0332	ppb	.0000 %	-.0332

*** Sample ID: HETWLS Seq: 48 12:14:52 12 Jul 2005 HG

WATER

Hg	1.033	ppb	.0000 %	1.033

*** Sample ID: HETWLD Seq: 49 12:16:32 12 Jul 2005 HG

WATER

Hg	1.038	ppb	.0000 %	1.038

*** Sample ID: HE3TG Seq: 50 12:18:11 12 Jul 2005 HG

WATER

Hg	-.0169	ppb	.0000 %	-.0169

*** Sample ID: HE3TX Seq: 51 12:19:20 12 Jul 2005 HG

WATER

Hg	-.0183	ppb	.0000 %	-.0183

*** Sample ID: HE6X7 Seq: 52 12:20:50 12 Jul 2005 HG

WATER

Hg	.0080	ppb	.0000 %	.0080

*** Sample ID: HE6XK Seq: 53 12:21:59 12 Jul 2005 HG

WATER

Hg	.0080	ppb	.0000 %	.0080

rerun CCV failed

12:23:06 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HE87MB Seq: 54 12:23:06 12 Jul 2005 HG
5193022
Hg -.0254 ppb .0000 % -.0254

*** Check Standard: 2 Ck2CCV Seq: 55 12:24:13 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	78.38	3.919	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 56 12:25:28 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0189	.2000	ppb	.0000 %

*** Sample ID: HE87MC Seq: 57 12:27:08 12 Jul 2005 HG
WATER
Hg 5.014 ppb .0000 % 5.014

*** Sample ID: HE4L4 Seq: 58 12:28:33 12 Jul 2005 HG
WATER
Hg .0136 ppb .0000 % .0136

*** Sample ID: HE4NQ Seq: 59 12:30:12 12 Jul 2005 HG
WATER
Hg .0070 ppb .0000 % .0070

*** Sample ID: HE1DD Seq: 60 12:31:26 12 Jul 2005 HG
WATER
Hg .0098 ppb .0000 % .0098

*** Sample ID: HE1DDS Seq: 61 12:32:41 12 Jul 2005 HG
WATER
Hg 1.058 ppb .0000 % 1.058

*** Sample ID: HE1DDD Seq: 62 12:34:02 12 Jul 2005 HG
WATER
Hg 1.006 ppb .0000 % 1.006

*** Sample ID: HE1DG Seq: 63 12:35:48 12 Jul 2005 HG
WATER
Hg -.0249 ppb .0000 % -.0249

*** Sample ID: HE1DJ Seq: 64 12:37:04 12 Jul 2005 HG
WATER
Hg -.0190 ppb .0000 % -.0190

*** Sample ID: HE1DK Seq: 65 12:38:10 12 Jul 2005 HG
WATER
Hg .0057 ppb .0000 % .0057

12:39:16 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HE1DL Seq: 66 12:39:16 12 Jul 2005 HG

WATER

Hg .0025 ppb .0000 % .0025

*** Check Standard: 2 Ck2CCV Seq: 67 12:40:44 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	76.37	3.818	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 68 12:42:01 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0541	.2000	ppb	.0000 %

*** Sample ID: HE1DN Seq: 69 12:43:07 12 Jul 2005 HG

WATER

Hg .0423 ppb .0000 % .0423

*** Sample ID: HE1DP Seq: 70 12:44:19 12 Jul 2005 HG

WATER

Hg .0173 ppb .0000 % .0173

*** Sample ID: HE1DQ Seq: 71 12:46:47 12 Jul 2005 HG

WATER

Hg .0198 ppb .0000 % .0198

*** Sample ID: HE1DR Seq: 72 12:47:57 12 Jul 2005 HG

WATER

Hg -.0024 ppb .0000 % -.0024

*** Sample ID: HE31D Seq: 73 12:49:05 12 Jul 2005 HG

WATER

Hg .0083 ppb .0000 % .0083

*** Sample ID: HE47C Seq: 74 12:50:43 12 Jul 2005 HG

WATER

Hg -.0116 ppb .0000 % -.0116

*** Sample ID: CRA\MRL Seq: 75 12:51:58 12 Jul 2005 HG

WATER

Hg .2070 ppb .0000 % .2070

*** Check Standard: 2 Ck2CCV Seq: 76 12:53:13 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	76.49	3.825	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 77 12:54:23 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0377	.2000	ppb	.0000 %

rerun CCV failed

13:12:31 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2CCV Seq: 78 13:12:31 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		92.19	4.609	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 79 13:13:38 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0024	.2000	ppb	.0000 %

*** Sample ID: HE87RB Seq: 80 13:15:02 12 Jul 2005 HG

5193030

Hg	-.0039	ppb	.0000 %	-.0039

*** Sample ID: HE87RC Seq: 81 13:16:16 12 Jul 2005 HG

WATER

Hg	4.771	ppb	.0000 %	4.771

*** Sample ID: HETWL Seq: 82 13:17:23 12 Jul 2005 HG

WATER

Hg	-.0329	ppb	.0000 %	-.0329

*** Sample ID: HETWLS Seq: 83 13:18:29 12 Jul 2005 HG

WATER

Hg	.9921	ppb	.0000 %	.9921

*** Sample ID: HETWLD Seq: 84 13:19:56 12 Jul 2005 HG

WATER

Hg	1.036	ppb	.0000 %	1.036

*** Sample ID: HE3TG Seq: 85 13:21:47 12 Jul 2005 HG

WATER

Hg	-.0113	ppb	.0000 %	-.0113

*** Sample ID: HE3TX Seq: 86 13:22:53 12 Jul 2005 HG

WATER

Hg	-.0239	ppb	.0000 %	-.0239

*** Sample ID: HE6X7 Seq: 87 13:24:11 12 Jul 2005 HG

WATER

Hg	-.0300	ppb	.0000 %	-.0300

*** Sample ID: HE6XK Seq: 88 13:25:30 12 Jul 2005 HG

WATER

Hg	.0061	ppb	.0000 %	.0061

*** Sample ID: HE87MB Seq: 89 13:26:40 12 Jul 2005 HG

5193022

Hg	-.0220	ppb	.0000 %	-.0220

13:27:46 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2CCV Seq: 90 13:27:46 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		92.46	4.623	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 91 13:29:07 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0196	.2000	ppb	.0000 %

*** Sample ID: HE87MC Seq: 92 13:30:14 12 Jul 2005 HG

WATER

Hg 4.950 ppb .0000 % 4.950

*** Sample ID: HE4L4 Seq: 93 13:31:20 12 Jul 2005 HG

WATER

Hg -.0180 ppb .0000 % -.0180

*** Sample ID: HE4NQ Seq: 94 13:32:26 12 Jul 2005 HG

WATER

Hg .0035 ppb .0000 % .0035

*** Sample ID: HE1DD Seq: 95 13:33:35 12 Jul 2005 HG

WATER

Hg -.0027 ppb .0000 % -.0027

*** Sample ID: HE1DDS Seq: 96 13:34:55 12 Jul 2005 HG

WATER

Hg 1.023 ppb .0000 % 1.023

*** Sample ID: HE1DDD Seq: 97 13:36:11 12 Jul 2005 HG

WATER

Hg 1.001 ppb .0000 % 1.001

*** Sample ID: HE1DG Seq: 98 13:37:30 12 Jul 2005 HG

WATER

Hg -.0064 ppb .0000 % -.0064

*** Sample ID: HE1DJ Seq: 99 13:39:01 12 Jul 2005 HG

WATER

Hg -.0005 ppb .0000 % -.0005

*** Sample ID: HE1DK Seq: 100 13:40:17 12 Jul 2005 HG

WATER

Hg .0320 ppb .0000 % .0320

*** Sample ID: HE1DL Seq: 101 13:41:33 12 Jul 2005 HG

WATER

Hg .0193 ppb .0000 % .0193

13:42:43 12 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2CCV Seq: 102 13:42:43 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.66	4.733	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 103 13:44:31 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0167	.2000	ppb	.0000 %

*** Sample ID: HE1DN Seq: 104 13:45:56 12 Jul 2005 HG

WATER

Hg	.0089	ppb	.0000 %	.0089

*** Sample ID: HE1DP Seq: 105 13:47:02 12 Jul 2005 HG

WATER

Hg	-.0121	ppb	.0000 %	-.0121

*** Sample ID: HE1DQ Seq: 106 13:48:10 12 Jul 2005 HG

WATER

Hg	.0109	ppb	.0000 %	.0109

*** Sample ID: HE1DR Seq: 107 13:49:19 12 Jul 2005 HG

WATER

Hg	-.0312	ppb	.0000 %	-.0312

*** Sample ID: HE31D Seq: 108 13:50:25 12 Jul 2005 HG

WATER

Hg	.0320	ppb	.0000 %	.0320

*** Sample ID: HE47C Seq: 109 13:51:30 12 Jul 2005 HG

WATER

Hg	-.0187	ppb	.0000 %	-.0187

*** Sample ID: CRA\MRL Seq: 110 13:52:50 12 Jul 2005 HG

WATER

Hg	.2031	ppb	.0000 %	.2031

*** Check Standard: 2 Ck2CCV Seq: 111 13:53:55 12 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		93.24	4.662	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 112 13:55:03 12 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0067	.2000	ppb	.0000 %

SCAL	STD 56363	ICSA	STD 5F344	CAL1/CRI	STD —
SCAL2	STD 56364	ICSAB	STD 56378	CAL2 (2X)- CAL3	STD —
CRI	STD 56367	ICV	STD 5F313	SCAL (2X)- CAL 2	STD —
CLP CRI	STD —	CCV	STD 56381	ICSAB 4.0	STD —

STL North Canton ICP Data Review Checklist

Run/Project Information:

Run Date: 7/17/05 Analyst: BLD Instrument: I6

Prep Batches Run: SEE RUN LOG

Circle Methods used: 6010B / 200.7: CORP-MT-0001 Rev 3.2
CLP ILM04.0: CORP-MT-0002 Rev 1.1
6010A/200.7: CORP-MT-0001NC, Rev 2

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions (2 exposures/sample) and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? *(ICV (2nd source):200.7=95 –105%, 6010B/CLP, 90-110%) (CCV: 90 – 110%)*	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. High Std. (HCAL) reanalyzed before samples and recovered within QC limits ? (6010A 95-105%, CLP,6010B- N/A)			✓	
5. CRI run at SOP or project-specific frequency? Recovered within QC limits? (6010A +/- 50%, project specific limits may vary)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?	✓			✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			✓
3. MS/MSD run at required frequency and within limits ?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits ?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required?	✓			✓
D. ther				
1. Are all nonconformances documented appropriately ?	✓			✓
2. Current IDL/MDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Level I Analyst: Jay R. Will Date: 7.18.05 Time: 16:38 - 13:27
Comments:

Level II Reviewer: Patrick Date: 7/18/05 Time: 1638-1327
Comments:

n: /metals/icpchk.doc
Revision 2.0, 05/13/05

Clouseau
Nonconformance Memo

SEVERN TRENT STL

NCM #: 01-10836
NCM Initiated By: Dorothy Leeson
Date Opened: 03/05/2004
Date Closed: 03/08/2004

Classification: Anomaly
Status: CLOSED
Production Area: Metals
Tests: None
Lot #'s (Sample #'s): ,
QC Batches: None.,

Nonconformance: Other (describe in detail)
Subcategory: Other (explanation required)

Problem Description / Root Cause

Name	Date	Description
Dorothy Leeson	03/05/2004	Stock standard solutions used for ICP ICSA solutions commonly have low level contamination for certain elements, especially zinc. Verified contamination is not corrected by interelement correction factors (IEC's) since instrumental determination of the presence of the analyte is due not to spectral interference but due to actual presence of the element in the solution. Contamination can be verified by performing a wavelength scan of the standard solution. If contamination exists, the peak apex will be directly at the expected wavelength for the element of concern. If the presence of the analyte is due to interference from another analyte which produces a peak near the element of concern, the peak apex of the interfering analyte will not be exactly at the wavelength for the element of concern, and an IEC would be generated. If contamination for an element such as zinc is suspected, an IEC would be inappropriate, and the concentration during analysis of the daily ICSA solution may exceed SOP criteria. In these cases, this NCM will be referenced and a copy of this NCM will be included with the run. Zinc contamination in ICSA stock solutions has been verified in this lab at various times with wavelength scans. Similarly, contamination for other elements has been verified when suspected. An example scan is included with the I6 ICP analytical run from 4/3/01.

Corrective Action

Name	Date	Corrective Action
Dorothy Leeson	03/05/2004	

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note
	Response	Response Note			

Quality Assurance Verification

Verified By	Due Date	Status	Notes
LAMBERTB		Verified/completed	

Method: TOTAL Sample Name: S0 Operator:
Run Time: 07/17/05 16:38 Filename: I60717A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	count	count	count	count	count	count
Avge	.00106	.02769	-.00058	.13137	.00171	.00719
SDev	.00004	.00028	.00054	.00641	.00004	.00003
%RSD	4.40863	1.03054	94.2124	4.8805	2.54511	.51092

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	count	count	count	count	count	count
Avge	.12172	-.04338	-.00041	.00451	.01116	.00313
SDev	.00001	.00192	.00004	.00018	.00007	.00023
%RSD	.01074	4.43732	10.756	4.16375	.69421	7.41268

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	count	count	count	count	count	count
Avge	.07633	.02033	.00406	.00193	.01149	.00132
SDev	.01035	.00024	.00008	.00009	.00101	.00095
%RSD	13.5715	1.22362	2.12155	4.83716	8.86229	72.3444

Elems	Sn	Tl	V	Zn	2203/1	2203/2
Units	count	count	count	count	count	count
Avge	.02366	-.03134	.00041	.00639	.10996	-.01078
SDev	.00117	0	.00013	.00017	.0178	.00576
%RSD	4.94648	.02238	32.519	2.73378	16.1914	53.4562

Elems	2068/2	2068/1	1960/1	1960/2	*Y
Units	count	count	count	count	
Avge	.00145	-.0182	-.02911	.01139	15490
SDev	.00077	.00426	.00252	.00267	19.0919
%RSD	53.3201	23.4504	8.65725	23.5172	.12325

Method: TOTAL Sample Name: CALSTD Operator:
Run Time: 07/17/05 16:43 Filename: I60717A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	As	B	Ba	Be	Cd
Units	count	count	count	count	count	count
Avge	8.39347	4.63541	71.0974	9.45014	47.8092	116.822
SDev	.009	.01824	.23282	.01403	.02607	.07266
%RSD	.10726	.39361	.32747	.14853	.05454	.06219

Elems	Co	Cr	Cu	Mn	Mo	Ni
Units	count	count	count	count	count	count
Avge	3.43964	14.1416	3.28	14.7088	4.12682	7.63785
SDev	.00469	.01026	.00469	.01553	.0179	.01287
%RSD	.13639	.07256	.14323	.1056	.43397	.16855

Elems	Sn	Tl	V	Zn	2203/1	2203/2
Units	count	count	count	count	count	count
Avge	92.0162	7.10996	4.50826	12.0445	26.029	11.8298
SDev	.1945	.03244	.00297	.01675	.26252	.03754
%RSD	.21138	.45629	.06593	.13909	1.00859	.31733

Elems	2068/2	2068/1	1960/1	1960/2	*Y
Units	count	count	count	count	
Avge	.65866	5.1989	2.29371	1.96161	15159.2
SDev	.00551	.00246	.019	.01928	44.9013
%RSD	.83688	.04743	.82839	.98311	.29619

Method: TOTAL Sample Name: CAL 2 Operator:
Run Time: 07/17/05 16:48 Filename: I60717A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al	Fe	*Y
Units	count	count	
Avge	7.11334	10.7735	15348.2
SDev	.00832	.01519	11.6673
%RSD	.11698	.14101	.07601

Method: TOTAL Sample Name: S100 Operator:
Run Time: 07/17/05 16:52 Filename: I60717A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ca	K	Mg	Na3302	*Y
Units	count	count	count	count	
Avge	37.6814	128.394	40.5769	3.69855	15318
SDev	.15029	.45531	.15837	.0278	67.1751
%RSD	.39884	.35462	.3903	.75181	.43853

Method: TOTAL Sample Name: ICV Operator: KLC
Run Time: 07/17/05 16:57 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	490.1	12880.	243.3	950.6	964.3	1013.
SDev	.1855	3.717	.5033	1.848	.0177	.0369
%RSD	.0378	.0289	.2069	.1944	.0018	.0036

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	25630.	250.3	999.1	1006.	1031.	12990.
SDev	19.72	.0401	.0483	.1065	.5147	19.81
%RSD	.0769	.016	.0048	.0106	.0499	.1526

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	25910.	25140.	987.7	980.1	24980.	1018.
SDev	2.139	6.458	.295	1.635	51.02	.1711
%RSD	.0083	.0257	.0299	.1668	.2042	.0168

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	253.5	252.4	247.8	979.7	499.0	986.4
SDev	.2138	.0584	.2638	.7628	4.284	.1596
%RSD	.0843	.0231	.1065	.0779	.8585	.0162

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	992.7	248.7	255.9	245.6	248.9	248.9
SDev	.235	.5584	.0418	1.418	.3123	1.572
%RSD	.0237	.2245	.0163	.5774	.1255	.6316

Elems	1960/2	*Y
Units	PPB	
Avge	254.1	15551.8
SDev	.6972	22.981
%RSD	.2744	.14777

Method: TOTAL Sample Name: ICB Operator: KLC
Run Time: 07/17/05 17:04 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1767	-.4134	.0111	5.926	-.0068	.0207
SDev	.1519	4.716	.479	.0779	.1059	.0279
%RSD	85.96	1141	4327	1.314	1568	134.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.993	.1385	.2650	-.1106	.5649	-6.071
SDev	2.982	.0388	.0031	.3108	.4259	1.588
%RSD	33.16	28.01	1.186	281.1	75.4	26.16

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-3.714	1.577	-.0547	-.2666	-31.93	.3757
SDev	.629	2.255	.0274	.1108	38.28	.3159
%RSD	16.94	143	50.1	41.56	119.9	84.09

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.006	2.116	-.4873	.9103	-1.737	.0239
SDev	.2376	1.161	.1462	.9095	.1376	.086
%RSD	23.61	54.88	29.99	99.91	7.925	359.3

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4140	-1.155	-.9322	-1.305	-.0793	-.5320
SDev	.023	.048	.3322	.3601	.0393	2.038
%RSD	5.549	4.16	35.64	27.6	49.62	383

Elems	1960/2	*Y
Units	PPB	
Avge	3.439	15652.8
SDev	2.758	225.214
%RSD	80.22	1.43881

Method: TOTAL Sample Name: CRI/MRL Operator: KLC
Run Time: 07/17/05 17:10 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.316	159.4	13.79	180.2	9.724	5.071
SDev	.1035	1.423	1.176	.9653	.019	.0017
%RSD	2.399	.8928	8.53	.5356	.1955	.0339

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4994.	5.136	5.124	4.804	16.02	306.3
SDev	9.417	.0102	.3345	.2797	.0024	13
%RSD	.1886	.1983	6.528	5.822	.0152	4.246

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5074.	5041.	15.23	9.448	5293.	24.98
SDev	.945	6.044	.0763	.2674	156.1	.1655
%RSD	.0186	.1199	.501	2.83	2.95	.6628

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.999	19.10	8.483	97.08	15.46	6.714
SDev	.4669	.2352	.081	.7905	1.867	.1849
%RSD	4.669	1.232	.9552	.8143	12.07	2.754

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.32	8.685	10.66	5.625	9.910	17.54
SDev	.2149	.0257	.7128	2.134	.9441	2.256
%RSD	.533	.2957	6.689	37.95	9.527	12.86

Elems	1960/2	*Y
Units	PPB	
Avge	19.88	15538.8
SDev	1.479	56.9221
%RSD	7.441	.36632

Method: TOTAL Sample Name: ICSA Operator: KLC
Run Time: 07/17/05 17:16 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1828	505900.	1.165	-7.693	2.171	.1822
SDev	.5273	1584	.9244	.1346	.0161	.0095
%RSD	288.4	.3131	79.33	1.75	.7414	5.206

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	510500.	-1.662	4.403	3.377	6.849	201900.
SDev	1055	.2295	.0633	.1592	.3871	612.1
%RSD	.2066	13.81	1.439	4.715	5.652	.3032

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-8.482	503800.	14.74	-.7340	-134.0	2.871
SDev	3.859	1410	.1053	.379	4.84	.4172
%RSD	45.5	.2799	.7148	51.63	3.61	14.53

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q16.55	Q18.78	2.699	-2.815	-.9445	-2.113
SDev	.1209	1.223	3.525	1.43	3.029	.0307
%RSD	.7305	6.509	130.6	50.82	320.6	1.455

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q29.86	-50.03	49.79	-4.228	6.158	4.581
SDev	.1241	2.617	1.488	.3683	5.469	.6172
%RSD	.4155	5.231	2.988	8.71	88.82	13.47

Elems	1960/2	*Y
Units	PPB	
Avge	25.88	14405
SDev	1.525	23.3345
%RSD	5.893	.16198

Method: TOTAL Sample Name: 200PPM FE Operator:
Run Time: 07/17/05 17:21 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.6611	10.67	-.7207	15.49	.8595	.0430
SDev	.0038	28.03	.4439	.2347	.0517	.0089
%RSD	.5806	262.7	61.59	1.515	6.019	20.59

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-129.1	-2.940	.1479	-1.214	1.820	209800.
SDev	.4157	.1204	.0519	.1429	.5722	817.2
%RSD	.3219	4.097	35.11	11.77	31.44	.3896

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5553	-29.91	.1067	-.6786	-142.5	-1.339
SDev	3.965	.7285	.0073	.362	125	.7684
%RSD	714	2.436	6.812	53.34	87.71	57.4

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.948	20.00	3.558	-3.405	-2.263	-1.542
SDev	.4952	2.36	1.131	.8067	1.904	.2832
%RSD	25.42	11.8	31.79	23.69	84.15	18.36

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.323	-.6720	-2.585	-2.161	6.413	-1.352
SDev	.025	.0734	.7057	.2196	1.805	4.321
%RSD	1.891	10.93	27.3	10.16	28.15	319.6

Elems	1960/2	*Y
Units	PPB	
Avge	30.66	15369.5
SDev	1.38	65.0538
%RSD	4.501	.42326

Method: TOTAL Sample Name: 500PPM AL Operator:
Run Time: 07/17/05 17:27 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0018	486200.	.5251	207.7	10.60	.0623
SDev	.2229	148.7	1.603	.6153	.0293	.0084
%RSD	12470	.0306	305.2	.2963	.2765	13.47

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-2.048	-.2607	-.0126	6.325	.9530	55.05
SDev	18.55	.0296	.0539	.4172	.0432	.1527
%RSD	905.5	11.35	426.9	6.597	4.533	.2773

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.287	11.46	1.378	-.1457	158.3	1.457
SDev	1.802	1.133	.0232	1.269	150.6	.149
%RSD	78.79	9.885	1.683	870.9	95.11	10.23

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.38	2.993	-2.195	1.789	-7.628	-.2264
SDev	.5844	.1799	.2097	2.558	1.587	.366
%RSD	4.719	6.013	9.551	143	20.81	161.6

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7978	-34.18	35.63	-5.283	-.6532	8.157
SDev	1.242	.768	1.26	2.743	1.684	1.183
%RSD	155.7	2.247	3.535	51.92	257.8	14.5

Elems	1960/2	*Y
Units	PPB	
Avge	.4145	15108.2
SDev	.8602	13.7886
%RSD	207.5	.09126

Method: TOTAL Sample Name: ICSA Operator: KLC
Run Time: 07/17/05 17:36 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0743	504400.	.5227	-9.744	2.144	.1741
SDev	.5385	1252	1.403	1.235	.1056	.0036
%RSD	724.4	.2481	268.4	12.67	4.923	2.091

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	509300.	-1.509	4.365	9.701	8.015	201300.
SDev	91.68	.065	.1171	1.482	1.673	6.817
%RSD	.018	4.308	2.682	15.28	20.87	.0034

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-4.157	503100.	16.41	-.2608	-83.03	7.659
SDev	.108	225.6	1.247	1.049	156.9	3.521
%RSD	2.599	.0448	7.595	402.3	189	45.98

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.212	-.8065	1.292	-.6493	-2.630	-1.755
SDev	.805	.0547	1.277	1.758	2.6	.4263
%RSD	15.44	6.784	98.83	270.8	98.87	24.29

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q32.42	-22.54	19.07	-1.162	2.518	6.164
SDev	2.29	1.163	1.787	.7107	1.56	.4414
%RSD	7.064	5.159	9.375	61.17	61.97	7.162

Elems	1960/2	*Y
Units	PPB	
Avge	-4.286	14392
SDev	.3024	7.77817
%RSD	7.055	.05404

Method: TOTAL Sample Name: ICSAB Operator: KLC
Run Time: 07/17/05 17:42 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1035.	501800.	1018.	1024.	517.2	506.8
SDev	15.72	7599	17.4	8.154	7.905	7.52
%RSD	1.519	1.514	1.71	.7965	1.528	1.484

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	506000.	971.7	498.4	502.7	524.8	201300.
SDev	5503	14.43	7.801	6.836	7.663	2975
%RSD	1.088	1.485	1.565	1.36	1.46	1.478

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11560.	501900.	503.2	995.7	10800.	971.6
SDev	123	6984	7.358	11.29	94.6	15.2
%RSD	1.064	1.392	1.462	1.134	.8762	1.564

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	977.6	966.6	994.7	998.3	969.4	496.8
SDev	11.11	12.1	10.66	19.43	14.02	7.604
%RSD	1.136	1.252	1.072	1.947	1.446	1.531

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1060.	956.2	988.3	990.0	997.1	968.6
SDev	15.27	6.867	13.22	7.317	12.33	10.45
%RSD	1.44	.7181	1.338	.7391	1.236	1.079

Elems	1960/2	*Y
Units	PPB	
Avge	965.6	14256.8
SDev	12.92	177.13
%RSD	1.338	1.24243

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/17/05 17:48 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	989.6	25140.	501.6	4972.	2007.	2036.
SDev	4.808	167.9	1.55	17.12	11.72	10.18
%RSD	.4858	.6678	.3089	.3443	.5837	.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51200.	504.1	2041.	2022.	2038.	25880.
SDev	226.9	2.801	9.921	9.66	12.73	122.6
%RSD	.4431	.5556	.4862	.4777	.6248	.4736

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51490.	51360.	2030.	2018.	49700.	2037.
SDev	338.6	264.5	9.971	10.41	426.2	10.83
%RSD	.6576	.5151	.4913	.5155	.8576	.5317

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	501.7	499.8	501.3	5024.	1014.	2011.
SDev	1.979	2.981	4.126	21.43	.0684	9.267
%RSD	.3946	.5964	.823	.4265	.0067	.4608

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2037.	498.5	503.2	493.6	505.2	499.7
SDev	12.05	2.485	1.727	.5704	5.901	1.014
%RSD	.5916	.4985	.3431	.1156	1.168	.203

Elems	1960/2	*Y
Units	PPB	
Avge	499.8	15337
SDev	3.962	48.7904
%RSD	.7928	.31812

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/17/05 17:55 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4152	-.8565	-.9444	10.64	-.0560	.0230
SDev	.0761	2.82	.5702	1.29	.019	.0079
%RSD	18.33	329.3	60.37	12.12	33.91	34.28

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	349.2	.0053	-.1489	-.2851	.6029	3.263
SDev	.2984	.0537	.0527	.1681	.2289	7.408
%RSD	.0855	1020	35.42	58.97	37.97	227.1

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2998	7.088	-.0811	.1212	78.43	.0832
SDev	3.177	1.764	.0128	.531	38.46	.1906
%RSD	1060	24.88	15.81	438.2	49.04	229

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7358	-.4755	.2673	2.859	1.063	-.1140
SDev	1.491	1.01	1.124	.6511	.0535	.0378
%RSD	202.6	212.5	420.6	22.77	5.034	33.12

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.290	-1.402	-.4033	-.1985	.4998	-.2804
SDev	.074	.5282	1.971	3.313	.0313	.3981
%RSD	3.232	37.68	488.8	1669	6.259	142

Elems	1960/2	*Y
Units	PPB	
Avge	-.5729	15521.8
SDev	1.714	6.71751
%RSD	299.1	.04327

Method: TOTAL Sample Name: HFD36 Operator: KLC
Run Time: 07/17/05 18:31 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0046	37280.	55.10	58.54	98.38	1.516
SDev	.0668	71.83	1.09	.3604	.1204	.0048
%RSD	1458	.1927	1.978	.6155	.1224	.3192

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H567200.	.2326	36.80	96.96	252.8	135900.
SDev	32.97	.092	.3638	1.105	.3973	6.795
%RSD	.0058	39.56	.9886	1.14	.1571	.005

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8260.	380600.	1525.	51.73	1705.	142.7
SDev	9.319	258.7	.0188	1.558	147.6	.3058
%RSD	.1128	.068	.0012	3.012	8.659	.2142

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	130.1	.6581	7.475	19.75	6.106	141.1
SDev	.1913	.3114	.5799	.5069	1.337	.3989
%RSD	.147	47.31	7.758	2.566	21.9	.2826

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	552.5	129.0	130.7	2.723	9.847	1.447
SDev	.2408	.4768	.0487	2.525	2.13	.0473
%RSD	.0436	.3697	.0373	92.72	21.63	3.27

Elems	1960/2	*Y
Units	PPB	
Avge	.2642	15185.5
SDev	.4904	6.36396
%RSD	185.6	.0419

Method: TOTAL Sample Name: HFD39 Operator: KLC
Run Time: 07/17/05 18:36 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3006	52570.	116.3	43.79	274.7	2.432
SDev	.3689	129.2	.7232	.5609	.3337	.0054
%RSD	122.7	.2458	.6219	1.281	.1215	.2212

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	257500.	-.2310	50.70	97.22	269.5	216500.
SDev	16.02	.1138	.3526	.007	.0534	252.7
%RSD	.0062	49.25	.6955	.0072	.0198	.1167

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9076.	160300.	1918.	91.37	1560.	163.1
SDev	22.7	214.5	1.754	1.419	104.6	.266
%RSD	.2501	.1339	.0915	1.553	6.704	.1631

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	164.8	3.053	7.650	19.97	8.971	174.2
SDev	.5554	.3063	.4803	.1574	1.06	.2247
%RSD	.3371	10.03	6.278	.7878	11.81	.129

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	598.7	163.2	165.5	1.762	10.59	2.425
SDev	.7875	1.226	1.445	1.404	1.421	1.817
%RSD	.1315	.7509	.8727	79.68	13.42	74.93

Elems	1960/2	*Y
Units	PPB	
Avge	3.366	15588
SDev	1.366	27.5772
%RSD	40.59	.17691

Method: TOTAL Sample Name: HFD39S Operator: KLC
Run Time: 07/17/05 18:41 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.068	46580.	1772.	883.2	1917.	45.41
SDev	.2383	129	7.053	.3159	4.705	.1634
%RSD	4.701	.277	.3981	.0358	.2455	.3597

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H503000.	42.52	458.7	251.7	370.4	102100.
SDev	1365	.206	1.724	1.239	1.108	392.9
%RSD	.2714	.4845	.3759	.4922	.2991	.385

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10910.	298300.	2557.	900.6	1279.	519.8
SDev	29.1	995.9	9.726	1.948	86.17	1.031
%RSD	.2668	.3339	.3804	.2163	6.736	.1984

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	503.5	1704.	358.0	1725.	1692.	552.2
SDev	4.393	15.21	3.847	5.694	7.186	1.73
%RSD	.8724	.8921	1.075	.3301	.4248	.3133

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	767.6	504.3	503.1	351.2	361.4	1687.
SDev	2.975	4.921	4.129	6.027	2.758	15.91
%RSD	.3875	.9758	.8207	1.716	.7632	.9431

Elems	1960/2	*Y
Units	PPB	
Avge	1713.	15193.2
SDev	14.85	136.118
%RSD	.867	.89591

Method: TOTAL Sample Name: HFD39D Operator: KLC
Run Time: 07/17/05 18:46 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.059	59720.	1798.	859.0	1934.	45.30
SDev	.2129	131	6.525	2.131	6.241	.0777
%RSD	4.208	.2193	.363	.2481	.3227	.1714

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	250000.	41.49	473.8	269.7	413.4	214000.
SDev	227.8	.1139	1.185	.7442	1.054	534.1
%RSD	.0911	.2745	.2501	.276	.255	.2496

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10970.	154500.	2074.	938.6	1243.	561.3
SDev	45.5	299.6	5.167	1.673	70.53	2.039
%RSD	.4146	.194	.2491	.1782	5.675	.3634

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	545.5	1638.	314.1	1694.	1641.	606.0
SDev	1.531	7.835	1.902	1.763	1.913	1.444
%RSD	.2807	.4783	.6056	.104	.1165	.2382

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	906.6	546.4	545.0	306.8	317.7	1622.
SDev	2.51	1.467	1.563	5.42	.1457	2.359
%RSD	.2769	.2685	.2868	1.766	.0459	.1454

Elems	1960/2	*Y
Units	PPB	
Avge	1646.	15644.8
SDev	10.57	54.8008
%RSD	.6421	.35028

Method: TOTAL Sample Name: HFD4E Operator: KLC
Run Time: 07/17/05 18:53 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5175	83240.	87.28	42.22	633.2	3.809
SDev	.1746	619	.1794	.1385	4.691	.0492
%RSD	33.74	.7436	.2056	.3281	.7409	1.291

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	108100.	2.455	68.34	126.0	206.1	162000.
SDev	745.5	.1546	1.139	.9484	1.775	1227
%RSD	.6894	6.297	1.667	.7525	.8615	.7575

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11590.	66460.	3190.	33.86	821.1	168.0
SDev	77.42	494.3	23.33	.0689	82.49	1.915
%RSD	.6681	.7438	.7316	.2036	10.05	1.14

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	263.0	.4845	6.222	17.73	9.147	167.3
SDev	1.356	.5	.8903	2.786	1.669	1.199
%RSD	.5156	103.2	14.31	15.71	18.24	.7166

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	674.5	255.7	266.7	-.6379	9.647	4.566
SDev	5.406	.5768	1.745	.2565	1.207	2.672
%RSD	.8014	.2256	.6544	40.21	12.51	58.51

Elems	1960/2	*Y
Units	PPB	
Avge	-1.553	16242
SDev	.5841	127.279
%RSD	37.6	.78364

Method: TOTAL Sample Name: HFD4G Operator: KLC
Run Time: 07/17/05 18:58 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9316	114700.	79.04	49.90	838.1	5.859
SDev	.0408	327.2	.0561	.7596	1.395	.016
%RSD	4.376	.2852	.071	1.522	.1665	.2729

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	81190.	1.945	66.14	154.7	228.3	191100.
SDev	128.3	.0446	.0049	.1356	.4248	327.2
%RSD	.158	2.291	.0074	.0876	.186	.1712

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12620.	47120.	1938.	31.69	2197.	191.4
SDev	36.78	106.2	3.105	.0134	65.91	.472
%RSD	.2914	.2253	.1602	.0424	3.001	.2466

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	177.3	2.143	4.649	16.08	10.87	192.7
SDev	.2567	3.973	1.353	1.224	1.431	.1272
%RSD	.1448	185.4	29.1	7.611	13.17	.066

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	614.2	166.1	182.9	-2.409	8.173	6.116
SDev	1.301	.005	.3873	.6439	1.707	2.372
%RSD	.2119	.003	.2118	26.73	20.88	38.78

Elems	1960/2	*Y
Units	PPB	
Avge	.1598	16597.8
SDev	4.773	13.7886
%RSD	2987	.08307

Method: TOTAL Sample Name: HFD4J Operator: KLC
Run Time: 07/17/05 19:04 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6973	82410.	59.23	29.53	374.5	4.264
SDev	.5904	151	1.026	.2912	.1197	.0058
%RSD	84.68	.1833	1.733	.9859	.032	.1364

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	27500.	-.6286	43.10	127.3	136.8	122000.
SDev	27.69	.013	.4124	.9852	.4024	93.45
%RSD	.1007	2.067	.9568	.7737	.2941	.0766

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11160.	24640.	655.5	35.66	392.5	113.0
SDev	28.89	22.05	.2898	.1004	138.1	.3486
%RSD	.2589	.0895	.0442	.2814	35.19	.3086

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	125.2	-.1218	3.570	18.49	2.487	196.8
SDev	.0233	.6332	1.052	.497	2.526	.7981
%RSD	.0186	519.9	29.47	2.688	101.6	.4055

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	457.0	118.1	128.8	-2.415	6.558	2.777
SDev	.5263	.5825	.2559	.8613	1.147	2.857
%RSD	.1152	.4931	.1987	35.66	17.5	102.9

Elems	1960/2	*Y
Units	PPB	
Avge	-1.569	16531.8
SDev	2.375	44.1942
%RSD	151.4	.26732

Method: TOTAL Sample Name: HFD4L Operator: KLC
Run Time: 07/17/05 19:09 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1556	41390.	100.7	32.75	215.8	1.936
SDev	.753	283.5	.0563	1.234	1.58	.0296
%RSD	483.8	.685	.0559	3.768	.7324	1.527

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	333200.	.5521	62.56	95.49	284.4	149700.
SDev	2241	.0174	.407	.4503	2.034	1177
%RSD	.6724	3.15	.6506	.4716	.7151	.7862

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7087.	205100.	1160.	86.06	1165.	173.0
SDev	12	1537	8.312	.4584	5.622	.8029
%RSD	.1693	.7493	.7166	.5327	.4827	.464

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	152.8	3.276	7.623	16.72	4.325	173.7
SDev	1.854	1.155	1.732	.8075	.5335	1.344
%RSD	1.214	35.27	22.72	4.829	12.34	.7735

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	556.1	150.6	153.8	-.0658	11.46	-.5054
SDev	3.699	.3777	2.591	1.122	2.036	5.747
%RSD	.6653	.2507	1.685	1706	17.76	1137

Elems	1960/2	*Y
Units	PPB	
Avge	5.164	15663.8
SDev	1.137	89.449
%RSD	22.02	.57105

Method: TOTAL Sample Name: HFD4M Operator: KLC
Run Time: 07/17/05 19:14 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1538	45240.	49.12	42.74	175.1	1.985
SDev	.1309	13.47	1.497	.8612	.144	.015
%RSD	85.06	.0298	3.047	2.015	.0822	.7532

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	381800.	.0726	42.04	94.24	208.0	97570.
SDev	293.1	.0562	.1098	.1824	.0319	38.18
%RSD	.0768	77.4	.2612	.1936	.0153	.0391

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8809.	235400.	1490.	25.57	1523.	133.3
SDev	1.438	56.16	.0445	.9218	146.9	.446
%RSD	.0163	.0239	.003	3.605	9.641	.3345

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	125.7	1.431	1.868	20.81	7.816	135.3
SDev	.6902	.339	.1016	.4483	.8952	.4765
%RSD	.5493	23.68	5.438	2.154	11.45	.3522

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	392.1	120.9	128.0	-1.235	3.417	-.9981
SDev	.3273	.855	1.462	1.328	.8154	3.592
%RSD	.0835	.7071	1.142	107.5	23.86	359.9

Elems	1960/2	*Y
Units	PPB	
Avge	2.644	15509
SDev	2.302	21.2132
%RSD	87.03	.13677

Method: TOTAL Sample Name: HFD4P Operator: KLC
Run Time: 07/17/05 19:22 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3634	84410.	64.21	42.30	629.8	4.099
SDev	.1158	12.69	1.321	.1698	.0724	.0066
%RSD	31.87	.015	2.058	.4014	.0115	.1603

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	115800.	1.848	56.89	128.3	223.7	138100.
SDev	102.1	.0356	.2947	.1727	.1589	60.17
%RSD	.0881	1.927	.518	.1346	.071	.0436

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9216.	68850.	1674.	34.54	1781.	173.7
SDev	.8694	19.99	1.075	.3471	142.2	.6214
%RSD	.0094	.029	.0642	1.005	7.983	.3577

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	158.4	2.776	4.587	18.06	2.663	172.1
SDev	1.218	2.489	.2281	.9359	2.931	.0567
%RSD	.7688	89.68	4.973	5.182	110.1	.0329

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	546.2	152.6	161.3	-2.533	8.142	1.627
SDev	.1081	.7084	2.18	1.003	.1587	.361
%RSD	.0198	.4641	1.351	39.59	1.949	22.19

Elems	1960/2	*Y
Units	PPB	
Avge	3.349	16082.5
SDev	3.552	40.3051
%RSD	106	.25061

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/17/05 19:30 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	995.7	25300.	509.8	4997.	2024.	2061.
SDev	4.865	126.5	3.658	2.902	8.172	9.311
%RSD	.4886	.4999	.7175	.0581	.4038	.4517

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51640.	510.2	2077.	2035.	2043.	26000.
SDev	236.7	1.897	8.811	10.29	9.283	121.9
%RSD	.4583	.3717	.4242	.5059	.4543	.4689

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51790.	51570.	2051.	2084.	49600.	2066.
SDev	201.8	211.6	8.826	6.256	377.3	11.63
%RSD	.3897	.4102	.4303	.3002	.7608	.5628

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	510.5	509.3	509.7	5099.	1022.	2018.
SDev	6.042	8.761	.3049	14.95	.7009	8.249
%RSD	1.184	1.72	.0598	.2931	.0686	.4089

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2051.	509.5	510.9	502.9	513.1	509.0
SDev	8.676	12.86	2.64	11.88	6.389	21.21
%RSD	.423	2.523	.5167	2.363	1.245	4.168

Elems	1960/2	*Y
Units	PPB	
Avge	509.5	15477
SDev	2.544	66.468
%RSD	.4994	.42946

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/17/05 19:37 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2518	19.40	-1.133	10.71	.0448	-.0104
SDev	.4564	7.568	.5655	3.463	.0139	.0337
%RSD	181.3	39.01	49.9	32.32	31	323.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	269.4	.1165	-.1198	-.1378	-.1607	-1.761
SDev	27.56	.141	.2991	.0501	.5906	2.505
%RSD	10.23	121.1	249.8	36.32	367.4	142.2

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.530	6.148	-.0897	.4470	-143.7	-.1147
SDev	14.23	1.879	.0826	.9167	87.61	.3432
%RSD	314.2	30.57	92.03	205.1	60.95	299.1

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2370	1.398	-.0415	1.964	-1.251	-.0127
SDev	.8424	1.005	2.124	1.472	2.142	.2673
%RSD	355.4	71.9	5117	74.96	171.3	2109

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.977	.1474	-.4289	-3.381	1.626	1.787
SDev	.2395	.1579	1.184	3.148	1.612	3.091
%RSD	12.12	107.1	276.1	93.11	99.13	172.9

Elems	1960/2	*Y
Units	PPB	
Avge	1.204	15145
SDev	3.051	662.559
%RSD	253.3	4.37477

Method: TOTAL Sample Name: HFD4R Operator: KLC
Run Time: 07/17/05 19:42 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4638	109100.	215.3	63.42	956.7	4.510
SDev	.3927	22.51	1.471	1.255	.7265	.0126
%RSD	84.69	.0206	.6834	1.98	.0759	.2798

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	74540.	4.026	57.02	167.3	257.4	182100.
SDev	26.6	.2267	.3512	.6027	.1081	82.86
%RSD	.0357	5.633	.616	.3603	.042	.0455

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16340.	32520.	3848.	20.26	1784.	167.8
SDev	16.19	11.55	3.538	.7534	85.2	.5456
%RSD	.099	.0355	.092	3.718	4.776	.3251

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	696.5	5.785	7.927	23.23	8.175	212.6
SDev	1.199	.148	2.032	1.906	2.109	.2308
%RSD	.1722	2.559	25.63	8.206	25.8	.1086

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	859.3	687.5	701.0	-.6778	12.22	5.801
SDev	1.044	3.393	.1041	3.227	4.657	3.232
%RSD	.1215	.4934	.0148	476.1	38.1	55.72

Elems	1960/2	*Y
Units	PPB	
Avge	5.776	16313.8
SDev	1.392	28.6378
%RSD	24.09	.17554

Method: TOTAL Sample Name: HFD4V Operator: KLC
Run Time: 07/17/05 19:48 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0449	84200.	239.5	50.59	796.8	3.473
SDev	.408	1083	4.348	1.542	10.29	.0422
%RSD	909.3	1.286	1.815	3.049	1.291	1.216

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	80370.	4.136	49.13	133.4	227.6	145700.
SDev	865.8	.1472	.555	1.458	2.769	1778
%RSD	1.077	3.559	1.13	1.093	1.216	1.22

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12690.	36480.	3595.	16.45	1576.	137.7
SDev	154.9	415.5	43.1	.6566	30.26	2.214
%RSD	1.221	1.139	1.199	3.991	1.919	1.607

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	742.3	3.599	5.860	17.47	6.875	168.0
SDev	4.644	.2756	.4861	.1822	4.954	1.779
%RSD	.6256	7.659	8.294	1.043	72.06	1.059

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	722.9	733.3	746.8	-.8687	9.220	2.916
SDev	8.55	6.674	3.63	.5511	1.004	.4313
%RSD	1.183	.9102	.486	63.44	10.89	14.79

Elems	1960/2	*Y
Units	PPB	
Avge	3.940	16165.5
SDev	.1979	167.584
%RSD	5.024	1.03667

Method: TOTAL Sample Name: HFD4W Operator: KLC
Run Time: 07/17/05 19:53 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7330	111000.	68.89	17.75	599.1	5.155
SDev	.2917	44.96	1.153	.3126	.4804	.0069
%RSD	39.8	.0405	1.673	1.761	.0802	.133

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	35220.	-1.590	38.88	162.4	177.1	191100.
SDev	3.953	.0563	.0219	.5518	.2635	93.98
%RSD	.0112	3.545	.0564	.3397	.1488	.0492

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11490.	35430.	585.4	22.77	1607.	129.7
SDev	23.14	15.85	.0016	.5465	125.8	.1027
%RSD	.2015	.0447	.0003	2.4	7.831	.0792

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	124.4	-2.486	3.126	27.87	3.106	152.2
SDev	1.344	.4515	.3651	1.615	.6422	.2404
%RSD	1.08	18.16	11.68	5.796	20.68	.1579

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	673.9	114.3	129.5	-5.240	7.302	-4.195
SDev	.1286	.9335	2.481	1.618	.2605	4.858
%RSD	.0191	.8171	1.915	30.89	3.568	115.8

Elems	1960/2	*Y
Units	PPB	
Avge	-1.633	16742.2
SDev	3.102	9.54594
%RSD	189.9	.05701

Method: TOTAL Sample Name: HFD4X Operator: KLC
Run Time: 07/17/05 19:58 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3734	100800.	107.1	59.41	866.9	4.318
SDev	.6507	91.58	1.52	.4475	.2666	.0032
%RSD	174.2	.0908	1.419	.7532	.0308	.0749

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	67670.	1.821	67.42	140.0	220.2	194000.
SDev	26.38	.1137	.1509	.7306	.0148	110
%RSD	.039	6.246	.2238	.5218	.0067	.0567

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14320.	31010.	3291.	28.13	2283.	161.4
SDev	3.214	5.828	.5854	.1614	134.5	.5777
%RSD	.0224	.0188	.0178	.5738	5.889	.358

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	279.4	5.149	7.170	19.84	6.724	218.5
SDev	.7953	1.256	1.269	1.816	1.373	.0651
%RSD	.2846	24.39	17.71	9.156	20.41	.0298

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	635.8	271.7	283.2	.4403	10.53	6.725
SDev	.0538	.7928	.7965	.5813	1.613	3.336
%RSD	.0085	.2918	.2812	132	15.32	49.61

Elems	1960/2	*Y
Units	PPB	
Avge	4.363	16350.8
SDev	.2176	49.1439
%RSD	4.987	.30056

Method: TOTAL Sample Name: HFD40 Operator: KLC
Run Time: 07/17/05 20:03 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3893	91390.	129.8	15.02	471.8	3.373
SDev	.0418	80.27	1.225	.2755	.0563	.0166
%RSD	10.72	.0878	.9434	1.835	.0119	.4914

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	29260.	-2.364	79.00	138.6	82.33	192500.
SDev	28.82	.0198	.025	.9883	.1572	173.1
%RSD	.0985	.8375	.0317	.713	.191	.0899

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7443.	30980.	609.3	34.38	1430.	142.4
SDev	21.4	40.29	.5272	1.145	103.5	.6243
%RSD	.2875	.1301	.0865	3.329	7.237	.4384

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	122.2	.3573	6.330	27.23	.5392	202.5
SDev	.8374	1.66	.7803	1.942	1.202	.2135
%RSD	.685	464.4	12.33	7.132	223	.1054

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	401.4	117.2	124.8	1.228	8.877	-2.633
SDev	.3361	1.376	.5682	.4976	1.418	.3242
%RSD	.0837	1.174	.4555	40.52	15.98	12.31

Elems	1960/2	*Y
Units	PPB	
Avge	1.850	16141
SDev	2.65	36.7696
%RSD	143.2	.2278

Method: TOTAL Sample Name: HFD41 Operator: KLC
Run Time: 07/17/05 20:08 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9154	86920.	85.82	35.55	692.2	4.356
SDev	.2318	115.9	.0477	.3895	.2632	.0048
%RSD	25.33	.1333	.0555	1.096	.038	.1112

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	68270.	1.425	48.37	120.3	172.2	152300.
SDev	37.81	.0151	.2281	.3003	.103	94.14
%RSD	.0554	1.06	.4716	.2496	.0598	.0618

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12630.	34010.	1698.	22.04	1520.	134.1
SDev	26.95	22.64	.6551	1.11	103.2	1.004
%RSD	.2135	.0666	.0386	5.036	6.788	.7484

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	216.1	5.299	5.373	17.26	3.491	172.4
SDev	.7521	.2458	1.812	.1466	1.111	.4127
%RSD	.3481	4.639	33.72	.8496	31.82	.2394

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	544.0	204.9	221.6	-3.974	10.04	6.597
SDev	.7851	3.223	.4818	1.37	2.033	1.485
%RSD	.1443	1.573	.2174	34.48	20.25	22.52

Elems	1960/2	*Y
Units	PPB	
Avge	4.651	16665.8
SDev	1.11	27.9307
%RSD	23.87	.16759

Method: TOTAL Sample Name: HFD44 Operator: KLC
Run Time: 07/17/05 20:14 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4405	76020.	43.97	6.537	392.3	3.632
SDev	.263	40.27	1.385	.0153	.7846	.0031
%RSD	59.71	.053	3.15	.2337	.2	.0848

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	27460.	-.7671	43.84	113.8	116.7	122700.
SDev	7.122	.0731	.1526	.2524	.1176	74.25
%RSD	.0259	9.526	.3482	.2218	.1008	.0605

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7465.	28010.	482.4	18.28	1501.	115.8
SDev	2.78	14.21	.3756	.0433	92.46	.079
%RSD	.0372	.0507	.0779	.2367	6.158	.0682

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	96.42	-.0200	1.358	26.30	2.992	97.32
SDev	.9842	1.489	.3339	.0077	2.961	.1743
%RSD	1.021	7440	24.59	.0292	98.96	.1792

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	391.7	91.04	99.11	-4.103	4.084	-2.023
SDev	.4603	1.421	.7661	1.378	.1874	.37
%RSD	.1175	1.561	.773	33.58	4.589	18.29

Elems	1960/2	*Y
Units	PPB	
Avge	.9797	16665.2
SDev	2.048	1.76776
%RSD	209.1	.0106

Method: TOTAL Sample Name: HFD47 Operator: KLC
Run Time: 07/17/05 20:19 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4021	98170.	84.01	48.94	769.7	4.910
SDev	.5817	142.2	.3574	.3159	.0779	.0108
%RSD	144.6	.1449	.4254	.6455	.0101	.2208

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	159700.	2.881	44.18	136.1	220.7	147000.
SDev	115.4	.0054	.3414	.9312	.0756	104.3
%RSD	.0722	.1868	.7727	.6845	.0343	.0709

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16760.	92660.	1431.	17.67	1889.	138.9
SDev	24.65	55.55	1.086	.5175	119.1	.129
%RSD	.147	.0599	.0759	2.929	6.303	.0929

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	321.3	3.242	4.075	18.80	7.806	167.9
SDev	1.518	.5192	.2953	.6325	3.536	.0874
%RSD	.4725	16.02	7.247	3.365	45.3	.0521

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	738.3	311.2	326.3	-.7308	6.474	7.708
SDev	.6341	5.256	.3479	2.983	1.047	.9511
%RSD	.0859	1.689	.1066	408.2	16.17	12.34

Elems	1960/2	*Y
Units	PPB	
Avge	1.012	16519.5
SDev	1.253	53.7401
%RSD	123.9	.32531

Method: TOTAL Sample Name: HFD47L Operator: KLC
Run Time: 07/17/05 20:24 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7034	20520.	18.62	36.97	160.0	.9999
SDev	.5928	38.44	.4105	.3037	.0356	.0025
%RSD	84.27	.1873	2.205	.8214	.0223	.2476

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34710.	.5835	9.164	28.65	44.92	31060.
SDev	8.25	.0901	.2964	.1927	.0897	3.701
%RSD	.0238	15.43	3.234	.6725	.1997	.0119

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3327.	19270.	302.5	3.445	163.3	29.19
SDev	9.042	13.78	.018	.2069	35.32	.4872
%RSD	.2718	.0715	.0059	6.007	21.63	1.669

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	68.16	.2785	.0355	3.534	2.418	35.09
SDev	.6852	.8266	1.344	.3812	.1216	.1414
%RSD	1.005	296.8	3786	10.79	5.027	.4029

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	157.7	65.39	69.54	-3.126	1.614	-.0410
SDev	.1274	1.926	.0656	2.607	.713	2.983
%RSD	.0808	2.946	.0943	83.42	44.19	7270

Elems	1960/2	*Y
Units	PPB	
Avge	.4380	15940.2
SDev	.2502	24.3952
%RSD	57.13	.15304

Method: TOTAL Sample Name: HE7MNB 5192066 Operator: KLC
Run Time: 07/17/05 20:33 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0867	-20.56	-.1109	-9.562	.2723	-.0270
SDev	.1359	.5561	.5457	.4302	.1039	.006
%RSD	156.8	2.704	492.2	4.499	38.14	22.31

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	101.2	.1394	.2274	-.5298	.5878	27.27
SDev	4.386	.0566	.2644	.3009	.1809	3.117
%RSD	4.335	40.62	116.3	56.79	30.78	11.43

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.200	19.91	.8589	-.9800	-85.87	.2393
SDev	3.649	.8542	.0161	.5769	32.7	.2731
%RSD	304	4.291	1.871	58.86	38.08	114.1

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1908	1.339	.0372	.9945	2.972	-.3185
SDev	.4605	1.309	.7873	1.426	1.784	.242
%RSD	241.3	97.72	2117	143.3	60.03	75.97

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H20.42	-1.268	.3472	.1658	-.0270	3.252
SDev	.164	.4064	.4875	.2349	1.063	3.569
%RSD	.803	32.04	140.4	141.7	3935	109.7

Elems	1960/2	*Y
Units	PPB	
Avge	.3842	15709.2
SDev	.1805	165.109
%RSD	46.98	1.05103

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/17/05 20:38 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1002.	25390.	516.3	5040.	2039.	2076.
SDev	.0962	11.07	.1484	21.67	1.787	1.862
%RSD	.0096	.0436	.0287	.43	.0877	.0897

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52040.	513.4	2094.	2045.	2050.	26170.
SDev	45.23	.6875	1.899	1.797	.7454	18.64
%RSD	.0869	.1339	.0907	.0879	.0364	.0712

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52180.	51840.	2066.	2113.	49790.	2085.
SDev	52.57	50.23	2.399	7.564	60.42	.5911
%RSD	.1007	.0969	.1161	.3581	.1213	.0284

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	512.8	510.5	513.1	5136.	1021.	2028.
SDev	.4341	2.384	1.629	10.39	4.85	.6254
%RSD	.0847	.467	.3175	.2023	.4749	.0308

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2061.	503.9	517.2	498.4	520.4	505.2
SDev	2.721	1.541	.1187	.8219	2.032	9.278
%RSD	.132	.3059	.023	.1649	.3905	1.836

Elems	1960/2	*Y
Units	PPB	
Avge	513.1	15415
SDev	1.058	23.3345
%RSD	.2062	.15137

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/17/05 20:45 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0165	15.53	.1263	12.85	.1063	-.0318
SDev	.5527	.0541	1.481	2.631	.02	.0147
%RSD	3351	.3484	1173	20.47	18.82	46.22

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	255.1	.0025	-.0358	-.2778	-.6792	-.1983
SDev	1.158	.0166	.4236	.1023	.1236	1.707
%RSD	.4539	669.4	1183	36.82	18.2	860.9

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.180	2.660	-.1440	-.4752	-8.595	-.2044
SDev	6.785	3.289	.0239	1.101	128.2	.071
%RSD	311.2	123.6	16.58	231.8	1491	34.75

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.251	.3121	-.1404	2.672	.4698	-.2024
SDev	.0427	2.591	.0908	.371	3.374	.1659
%RSD	3.415	830.1	64.64	13.88	718.2	81.94

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.844	-.7557	-1.499	-1.202	.3893	1.737
SDev	.118	.0538	.0372	.9198	.5953	.9311
%RSD	6.395	7.118	2.482	76.55	152.9	53.62

Elems	1960/2	*Y
Units	PPB	
Avge	-.3991	15546.5
SDev	3.419	14.1421
%RSD	856.7	.09096

Method: TOTAL Sample Name: HE7MNC Operator: KLC
Run Time: 07/17/05 20:51 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H60.72	2231.	2194.	1040.	2132.	54.79
SDev	.5279	.3706	.6652	1.622	.1569	.0128
%RSD	.8693	.0166	.0303	.156	.0074	.0233

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55780.	54.76	552.9	220.3	280.6	1178.
SDev	25.43	.1835	.0549	.2222	.7753	1.437
%RSD	.0456	.3352	.0099	.1009	.2763	.122

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	55330.	54730.	547.2	1112.	53880.	555.6
SDev	3.861	26.68	.051	1.661	151.1	.617
%RSD	.007	.0487	.0093	.1494	.2804	.1111

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	539.2	2206.	547.0	2177.	2136.	540.3
SDev	1.88	3.328	1.402	.1312	.892	.0542
%RSD	.3488	.1509	.2562	.006	.0418	.01

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	558.9	538.2	539.6	540.1	550.4	2170.
SDev	.3285	3.417	1.113	1.764	2.982	1.222
%RSD	.0588	.6349	.2063	.3265	.5417	.0563

Elems	1960/2	*Y
Units	PPB	
Avge	2224.	15590.8
SDev	4.38	6.0104
%RSD	.1969	.03855

Method: TOTAL Sample Name: HE403 Operator: KLC
Run Time: 07/17/05 20:57 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5148	25.26	.2283	50.92	47.34	.0226
SDev	.4554	2.761	.715	1.171	.1772	.0067
%RSD	88.46	10.93	313.2	2.299	.3744	29.58

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	124600.	.0631	.1460	1.598	35.64	82.96
SDev	70.69	.0347	.264	.6868	.2984	6.7
%RSD	.0567	55.03	180.8	42.97	.8374	8.076

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	33330.	29900.	1.906	31.49	7229.	25.86
SDev	57.14	27.32	.0293	.6996	131.9	1.209
%RSD	.1714	.0914	1.54	2.222	1.824	4.674

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1612	1.709	1.262	1.657	-.5212	.0923
SDev	.0254	1.666	.8168	1.344	1.325	.0371
%RSD	15.77	97.53	64.74	81.12	254.2	40.19

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.928	-3.262	1.870	-4.384	4.081	3.503
SDev	.0196	2.839	1.456	2.166	2.306	1.465
%RSD	.3299	87.03	77.82	49.4	56.51	41.83

Elems	1960/2	*Y
Units	PPB	
Avge	.8127	15533.2
SDev	1.767	23.6881
%RSD	217.4	.15249

Method: TOTAL Sample Name: HE403F Operator: KLC
Run Time: 07/17/05 21:03 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0586	-16.63	.3777	48.64	50.79	.0255
SDev	.3379	.3107	1.912	.1433	.2141	.0154
%RSD	576.6	1.868	506.1	.2947	.4216	60.31

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	132300.	.1852	.3702	.5577	2.584	344.8
SDev	54.86	.0895	.2659	.2329	.0565	5.508
%RSD	.0415	48.32	71.81	41.76	2.185	1.597

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	33280.	29420.	126.5	26.56	7226.	24.19
SDev	12.45	.0193	.1339	.3985	102.5	.2629
%RSD	.0374	.0001	.1059	1.5	1.418	1.087

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5071	.4222	-.3032	1.748	1.002	-.1373
SDev	1.353	.3501	.3242	.5022	2.473	.2441
%RSD	266.8	82.93	106.9	28.73	246.9	177.8

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.334	-1.028	-.2471	-2.626	.8566	6.432
SDev	.0329	.0567	2	.7779	.0977	4.868
%RSD	.5193	5.521	809.3	29.62	11.41	75.68

Elems	1960/2	*Y
Units	PPB	
Avge	-2.578	15462.2
SDev	1.905	.35355
%RSD	73.9	.00228

Method: TOTAL Sample Name: HE403S Operator: KLC
Run Time: 07/17/05 21:08 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	60.48	2250.	2193.	1083.	2172.	53.91
SDev	.104	3.483	3.397	.7213	1.205	.0638
%RSD	.172	.1548	.1549	.0666	.0555	.1184

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	175600.	53.59	545.1	218.1	316.8	1183.
SDev	45.83	.0282	.0493	.1703	1.188	3.467
%RSD	.0261	.0526	.009	.0781	.3748	.2932

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	86820.	84200.	543.6	1125.	61210.	570.0
SDev	92.81	30.65	.2731	.0305	46.02	.0487
%RSD	.1069	.0364	.0502	.0027	.0752	.0085

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	530.6	2190.	547.5	2147.	2110.	533.2
SDev	.1704	1.142	.1749	2.138	3.758	.5299
%RSD	.0321	.0522	.0319	.0996	.1781	.0994

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	552.8	532.4	529.7	542.6	549.9	2155.
SDev	.2591	.9053	.1966	.0195	.2719	.2308
%RSD	.0469	.1701	.0371	.0036	.0494	.0107

Elems	1960/2	*Y
Units	PPB	
Avge	2208.	15422.5
SDev	1.598	31.8198
%RSD	.0724	.20632

Method: TOTAL Sample Name: HE403D Operator: KLC
Run Time: 07/17/05 21:13 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.27	2349.	2229.	1117.	2205.	54.98
SDev	.6693	1.19	1.572	3.035	2.963	.0409
%RSD	1.092	.0507	.0705	.2718	.1344	.0745

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	171200.	54.59	554.4	221.6	319.8	1207.
SDev	173.1	.1484	.3075	.723	.1038	1.106
%RSD	.1011	.2718	.0555	.3263	.0325	.0917

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	85610.	83720.	553.4	1144.	61420.	578.6
SDev	69.32	56.72	.387	2.289	64.58	.9008
%RSD	.081	.0677	.0699	.2001	.1052	.1557

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	538.3	2224.	554.6	2189.	2149.	543.3
SDev	.4782	.9823	.7717	7.208	1.086	.4854
%RSD	.0888	.0442	.1391	.3293	.0506	.0893

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	561.3	539.3	537.9	548.8	557.5	2191.
SDev	.4886	.1632	.6355	1.06	.6275	3.196
%RSD	.087	.0303	.1182	.1932	.1126	.1459

Elems	1960/2	*Y
Units	PPB	
Avge	2241.	15397.2
SDev	.1229	.35355
%RSD	.0055	.00229

Method: TOTAL Sample Name: HE409 Operator: KLC
Run Time: 07/17/05 21:19 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9622	-21.64	.1706	50.41	46.77	.0111
SDev	.0171	.6891	.6837	.9706	.5089	.0079
%RSD	1.774	3.185	400.8	1.925	1.088	71.69

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	120800.	.1558	-.0038	.3092	34.30	11.45
SDev	1133	.0428	.4746	.0542	.6544	4.062
%RSD	.9386	27.49	12360	17.53	1.908	35.48

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32830.	28800.	1.107	30.56	6947.	25.48
SDev	434.3	296.6	.0101	.6701	157.3	.6762
%RSD	1.323	1.03	.915	2.193	2.264	2.654

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3104	2.341	1.634	2.145	3.190	-.0242
SDev	1.659	2.408	1.024	.0878	1.29	.2841
%RSD	534.5	102.9	62.66	4.092	40.44	1173

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.339	-3.810	2.367	-1.229	3.064	6.907
SDev	.2147	.4096	2.692	2.826	.1248	3.111
%RSD	4.022	10.75	113.7	229.9	4.073	45.04

Elems	1960/2	*Y
Units	PPB	
Avge	.0617	15484.2
SDev	2.057	102.884
%RSD	3332	.66444

Method: TOTAL Sample Name: HE409F Operator: KLC
Run Time: 07/17/05 21:24 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2700	-17.03	1.369	47.24	48.59	.0068
SDev	.4845	1.112	.2396	1.488	.5004	.013
%RSD	179.4	6.527	17.5	3.149	1.03	192.3

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	126700.	.0933	.0752	.7660	.9358	647.0
SDev	1265	.0268	.0488	.1603	.2414	12.23
%RSD	.9984	28.74	64.96	20.93	25.79	1.89

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32570.	28070.	143.9	16.76	6943.	22.70
SDev	339.5	331.4	1.512	.7803	14.81	.05
%RSD	1.042	1.18	1.05	4.656	.2133	.2201

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4077	1.782	.7205	1.279	2.273	-.1103
SDev	.4188	.9163	1.993	.5499	.3813	.0347
%RSD	102.7	51.43	276.6	43	16.77	31.44

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.205	-1.424	.0996	-.0909	1.126	8.216
SDev	.2897	1.778	.2596	2.208	1.886	.603
%RSD	6.889	124.9	260.8	2431	167.5	7.339

Elems	1960/2	*Y
Units	PPB	
Avge	-1.431	15663
SDev	1.073	140.714
%RSD	74.96	.89838

Method: TOTAL Sample Name: HE41A Operator: KLC
Run Time: 07/17/05 21:29 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0925	-20.98	-.8604	47.60	51.00	.0142
SDev	.12	.3535	.5952	.7824	.0775	.0084
%RSD	129.8	1.685	69.18	1.644	.152	58.91

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	128800.	.2080	.1064	.1295	36.73	7.413
SDev	160.7	.0796	.3182	.4283	.0004	4.006
%RSD	.1247	38.27	299.2	330.7	.0011	54.04

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34140.	30350.	2.269	37.26	7229.	29.47
SDev	8.969	41.16	.0459	.1768	149.4	1.039
%RSD	.0263	.1356	2.025	.4744	2.066	3.526

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4275	2.583	-.5017	.7824	.6367	-.3331
SDev	.7146	.2898	1.761	.1975	1.34	.1202
%RSD	167.1	11.22	351	25.24	210.5	36.1

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.161	-1.345	.0303	-3.387	.9386	8.508
SDev	.1164	2.109	.0185	2.256	1.514	.3893
%RSD	1.427	156.8	61.24	66.62	161.3	4.575

Elems	1960/2	*Y
Units	PPB	
Avge	-.3747	15474.2
SDev	.2401	17.3241
%RSD	64.08	.11195

Method: TOTAL Sample Name: HE41AF Operator: KLC
Run Time: 07/17/05 21:35 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3636	-16.04	.6681	46.83	51.79	.0334
SDev	.3813	.5866	.9235	.6575	.0431	.0046
%RSD	104.9	3.657	138.2	1.404	.0832	13.65

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	135400.	.1459	-.1562	1.158	.5691	992.2
SDev	58.89	.0319	.1586	.3391	.129	.3463
%RSD	.0435	21.88	101.5	29.29	22.67	.0349

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34840.	30040.	167.9	12.45	7460.	25.00
SDev	35.93	4.656	.0766	.2933	159.3	.8208
%RSD	.1031	.0155	.0456	2.356	2.136	3.284

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8701	.4119	-.1980	1.139	1.961	-.1665
SDev	.6238	.2837	.1807	.4926	2.293	.1603
%RSD	71.69	68.88	91.26	43.26	116.9	96.25

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.32	-2.150	-.2312	-2.296	.8496	5.910
SDev	.0253	1.071	1.47	.5597	.0085	.0906
%RSD	.2452	49.82	635.8	24.37	.9994	1.534

Elems	1960/2	*Y
Units	PPB	
Avge	-2.333	15466
SDev	.3801	18.3848
%RSD	16.29	.11887

Method: TOTAL Sample Name: HE41D Operator: KLC
Run Time: 07/17/05 21:40 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2958	-15.36	-.1953	48.51	26.29	.0164
SDev	.5225	2.545	.1756	.0251	.0337	.0037
%RSD	176.7	16.57	89.93	.0518	.1283	22.61

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	93570.	.1443	.0252	.6709	26.54	42.14
SDev	18.82	.0826	.1064	.2322	.0074	.6259
%RSD	.0201	57.24	422.2	34.62	.0278	1.485

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	81930.	21960.	73.43	51.73	12200.	59.40
SDev	32.47	10.1	.026	.0098	12.63	.2741
%RSD	.0396	.046	.0355	.0189	.1035	.4614

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5527	5.103	1.363	-.4553	3.771	.0498
SDev	.4913	2.572	.1808	.8989	2.355	.0807
%RSD	88.88	50.4	13.26	197.4	62.47	162.1

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.36	-1.948	.1438	-1.396	2.741	8.673
SDev	.0168	1.896	.2103	.9912	.766	2.225
%RSD	.117	97.36	146.2	70.99	27.94	25.65

Elems	1960/2	*Y
Units	PPB	
Avge	3.320	15484
SDev	2.745	2.82842
%RSD	82.68	.01826

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/17/05 21:48 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1000.	25370.	515.0	5027.	2036.	2072.
SDev	.6068	22.03	.3072	13.02	1.177	.2263
%RSD	.0607	.0868	.0596	.259	.0578	.0109

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51850.	512.0	2087.	2038.	2045.	26080.
SDev	24.26	.0757	.035	.0949	2.288	4.323
%RSD	.0468	.0148	.0017	.0046	.1119	.0166

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52250.	51690.	2062.	2108.	49670.	2081.
SDev	110.4	6.798	.2693	6.169	119.5	.593
%RSD	.2113	.0132	.0131	.2927	.2405	.0285

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	511.6	512.2	510.9	5132.	1016.	2021.
SDev	3.499	1.274	1.812	4.951	4.855	.6723
%RSD	.6839	.2488	.3546	.0965	.4781	.0333

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2056.	502.6	516.1	498.0	517.3	505.6
SDev	.3223	2.78	3.857	.8245	2.304	3.665
%RSD	.0157	.5532	.7474	.1655	.4455	.725

Elems	1960/2	*Y
Units	PPB	
Avge	515.6	15431.2
SDev	.0806	19.4454
%RSD	.0156	.12601

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/17/05 21:55 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1445	17.19	-.1466	13.19	.0373	-.0325
SDev	.5634	1.113	.5936	1.633	.0379	.0072
%RSD	389.9	6.476	405	12.38	101.5	22.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	255.2	.0589	.0398	-.0881	-1.246	-9.014
SDev	.2723	.0546	.2111	.1405	.546	5.694
%RSD	.1067	92.62	530.4	159.6	43.83	63.17

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.316	3.166	-.2238	-.1649	18.98	-.1716
SDev	8.72	1.083	.0117	.0454	85.25	.6897
%RSD	263	34.22	5.213	27.55	449.1	402

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0275	1.261	-.4930	2.867	-2.194	-.1439
SDev	.5167	.6616	2.017	2.109	4.577	.4816
%RSD	1877	52.46	409.2	73.56	208.6	334.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.841	.2195	-.0683	-3.089	.8031	1.335
SDev	.068	.966	1.257	1.055	2.498	2.536
%RSD	3.695	440.1	1840	34.14	311	190

Elems	1960/2	*Y
Units	PPB	
Avge	1.225	15565.2
SDev	2.258	12.3744
%RSD	184.4	.07949

Method: TOTAL Sample Name: HE41DF Operator: KLC
Run Time: 07/17/05 22:00 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2928	-18.17	-.2919	54.11	28.57	.0046
SDev	.595	.9269	.2745	.4835	.0683	.0007
%RSD	203.2	5.1	94.05	.8936	.2392	14.18

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	95560.	.2040	.3263	.9592	19.19	37.47
SDev	398.8	.0373	.0001	.0106	.0218	2.165
%RSD	.4173	18.28	.0417	1.109	.1135	5.778

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	82670.	22390.	108.6	53.00	12350.	60.77
SDev	504.3	91.19	.4331	.6042	47.1	.0799
%RSD	.61	.4073	.3987	1.14	.3814	.1314

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1608	4.954	2.479	.0903	3.895	.1682
SDev	.1971	.226	.1016	.3136	5.879	.3234
%RSD	122.6	4.562	4.098	347.4	151	192.2

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.180	-1.531	.5235	-.2007	3.817	9.575
SDev	.0426	.9622	.1848	3.647	1.973	4.633
%RSD	.4644	62.83	35.31	1817	51.69	48.39

Elems	1960/2	*Y
Units	PPB	
Avge	2.647	15577.8
SDev	1.974	15.9099
%RSD	74.6	.10213

Method: TOTAL Sample Name: HE41E Operator: KLC
Run Time: 07/17/05 22:06 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3336	-19.21	.0655	52.53	27.24	-.0004
SDev	.4655	.0555	.8364	.11	.0364	.0079
%RSD	139.5	.2892	1277	.2095	.1335	2184

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	97390.	.1585	.3261	.9150	27.10	52.70
SDev	57.18	.1437	.1057	.2814	.2473	8.394
%RSD	.0587	90.63	32.42	30.75	.9125	15.93

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	83400.	22810.	73.09	52.99	12540.	60.84
SDev	20.16	12.69	.0579	.2098	141.3	.0377
%RSD	.0242	.0556	.0792	.3959	1.126	.062

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2436	4.296	.3564	-.4636	2.053	-.0870
SDev	.1895	1.902	3.097	.1468	2.062	.2018
%RSD	77.78	44.28	868.9	31.67	100.4	231.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.09	-2.698	.9819	-2.983	2.024	9.622
SDev	.0654	2.285	.8568	1.962	3.663	.6675
%RSD	.464	84.69	87.25	65.78	181	6.937

Elems	1960/2	*Y
Units	PPB	
Avge	1.638	15569.2
SDev	2.519	9.54594
%RSD	153.8	.06131

Method: TOTAL Sample Name: HE41EF Operator: KLC
Run Time: 07/17/05 22:11 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4532	-25.94	-.1943	50.98	28.59	.0115
SDev	.0433	1.487	1.343	.1937	.071	.0075
%RSD	9.559	5.73	691.2	.3801	.2485	65.25

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	95980.	.1807	.2511	.3639	22.41	29.67
SDev	17.99	.0169	.3174	.5538	.4936	2.314
%RSD	.0187	9.381	126.4	152.2	2.203	7.797

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	82250.	22490.	102.0	53.59	12270.	60.61
SDev	5.933	12.94	.1325	.3416	86.85	.4641
%RSD	.0072	.0576	.1299	.6374	.7079	.7656

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0272	3.153	1.008	-1.369	1.472	-.0551
SDev	.2993	.0779	.18	.4355	.3907	.0819
%RSD	1101	2.47	17.85	31.81	26.55	148.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.95	-1.828	.9533	-.7351	1.879	6.406
SDev	.0697	1.913	1.404	1.485	.4717	2.766
%RSD	.5835	104.7	147.3	202.1	25.11	43.18

Elems	1960/2	*Y
Units	PPB	
Avge	1.529	15541.8
SDev	1.498	3.18198
%RSD	97.96	.02047

Method: TOTAL Sample Name: HE6PN Operator: KLC
Run Time: 07/17/05 22:16 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0323	-15.86	.3860	298.2	50.59	.0135
SDev	.437	1.103	.2096	.7896	.0206	.0111
%RSD	1352	6.953	54.3	.2648	.0407	81.77

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	124900.	.2153	1.429	-.4345	-.1390	176.9
SDev	90.55	.0355	.0525	.0772	.0666	5.254
%RSD	.0725	16.47	3.675	17.76	47.89	2.97

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24420.	42590.	151.8	.7314	99950.	6.711
SDev	19.68	24.32	.1317	.4022	84.76	.2824
%RSD	.0806	.0571	.0867	54.99	.0848	4.208

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9960	-.4216	-.0180	-1.187	3.296	-.4290
SDev	.3502	1.177	1.87	1.053	2.918	.3257
%RSD	35.16	279.1	10400	88.71	88.51	75.91

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.553	-1.394	-.7973	-1.688	.8159	3.093
SDev	.0365	1.199	1.124	.6419	2.483	2.22
%RSD	.427	85.99	140.9	38.03	304.3	71.79

Elems	1960/2	*Y
Units	PPB	
Avge	-2.176	15422.5
SDev	.6558	12.0208
%RSD	30.14	.07794

Method: TOTAL Sample Name: HEXJL Operator: KLC
Run Time: 07/17/05 22:21 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3174	-17.12	.3984	3.384	.3313	-.0139
SDev	.0321	.2275	.1672	1.096	.0379	.0078
%RSD	10.13	1.329	41.97	32.39	11.45	56.05

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-65.32	.1568	.6366	.0961	4.328	55.36
SDev	.2531	.0333	.4205	.0003	.5474	.1848
%RSD	.3875	21.25	66.06	.3485	12.65	.3337

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.64	21.11	1.094	.1987	690.5	.2280
SDev	13.11	.8279	.0116	.5692	130.1	.2602
%RSD	112.5	3.921	1.061	286.6	18.84	114.1

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7383	.6544	.0828	1.302	-.1279	.0806
SDev	.2951	1.749	.4815	.3182	.5292	.1623
%RSD	39.96	267.2	581.8	24.43	413.6	201.4

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.060	-.0514	1.133	-.2200	.2339	2.546
SDev	.0247	.1766	.3542	1.471	.0126	1.718
%RSD	.2723	343.4	31.27	668.6	5.388	67.46

Elems	1960/2	*Y
Units	PPB	
Avge	-.2900	15641.5
SDev	1.764	4.94974
%RSD	608.4	.03164

Method: TOTAL Sample Name: HEXMX Operator: KLC
Run Time: 07/17/05 22:26 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3636	199.2	9.497	200.4	222.5	.1028
SDev	.4181	.3494	.1054	1.045	.4697	.0032
%RSD	115	.1754	1.11	.5213	.2111	3.112

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	125000.	.0996	2.083	9.307	.2898	6459.
SDev	180.1	.0088	.5386	.2259	.0443	12.12
%RSD	.1441	8.81	25.85	2.427	15.29	.1876

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31860.	27770.	1047.	.3390	557500.	1.737
SDev	86.56	29.85	2.302	.1772	876.5	.0989
%RSD	.2717	.1075	.2199	52.28	.1572	5.696

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2479	1.106	.0032	1.117	4.819	23.51
SDev	.3327	2.412	.9384	.1123	3.118	.388
%RSD	134.2	218	29500	10.05	64.7	1.651

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.987	-1.735	1.238	-3.114	1.559	3.472
SDev	.0841	2.66	.8292	2.429	.1943	4.71
%RSD	1.203	153.3	66.98	78.01	12.46	135.7

Elems	1960/2	*Y
Units	PPB	
Avge	-.0751	15307.5
SDev	1.264	13.435
%RSD	1684	.08776

Method: TOTAL Sample Name: HEXM0 Operator: KLC
Run Time: 07/17/05 22:32 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2240	56.70	44.07	87.42	44.85	-.0098
SDev	.5773	2.228	1.748	.0061	.1718	.003
%RSD	257.7	3.93	3.965	.007	.3831	30.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7289.	.1811	1.788	27.52	4.198	746.7
SDev	1.849	.0217	.1063	.6524	.4276	1.807
%RSD	.0254	11.99	5.944	2.371	10.19	.242

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	393600.	1288.	12.96	28.68	H1120e3	8.570
SDev	545.1	4.165	.0226	.2749	1194	.332
%RSD	.1385	.3232	.1744	.9584	.1066	3.874

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.665	1.644	.4424	10.83	2.978	91.05
SDev	.4342	.7229	.0268	2.499	1.147	.3126
%RSD	26.07	43.96	6.069	23.07	38.51	.3433

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	158.3	-.5863	2.789	-2.724	2.023	6.218
SDev	.0376	.4905	.406	1.938	1.008	2.639
%RSD	.0238	83.67	14.56	71.17	49.83	42.45

Elems	1960/2	*Y
Units	PPB	
Avge	-.6392	15184.2
SDev	2.401	24.3952
%RSD	375.7	.16066

Method: TOTAL Sample Name: HEXM1 Operator: KLC
Run Time: 07/17/05 22:37 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0398	81.82	45.32	145.1	75.83	.0493
SDev	.4063	4.492	.5233	.4668	.2783	.0041
%RSD	1021	5.491	1.155	.3217	.3671	8.215

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	276100.	.0228	.2982	2.206	-.3464	8863.
SDev	107.6	.0583	.161	.0512	.1082	12.28
%RSD	.039	255.7	53.97	2.321	31.23	.1385

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40060.	30700.	1425.	-1.088	140700.	1.065
SDev	75.1	5.531	2.403	.5808	293.4	.4592
%RSD	.1875	.018	.1686	53.37	.2085	43.11

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6119	.2620	.0068	-5.881	9.024	.7871
SDev	.6764	.2697	1.032	1.404	4.644	.1194
%RSD	110.6	102.9	15080	23.87	51.46	15.17

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.645	-3.040	.6006	-2.753	1.385	2.930
SDev	.1088	1.785	.1228	1.928	2.509	3.181
%RSD	1.637	58.72	20.45	70.02	181.2	108.6

Elems	1960/2	*Y
Units	PPB	
Avge	-1.070	15342.5
SDev	1.993	4.94974
%RSD	186.3	.03226

Method: TOTAL Sample Name: HEXM3 Operator: KLC
Run Time: 07/17/05 22:42 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6435	9.082	18.66	278.7	360.8	.0527
SDev	.2444	3.027	.8658	1.891	.6659	.0138
%RSD	37.99	33.33	4.639	.6785	.1846	26.09

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	264100.	-1.833	.1807	2.742	.7430	149600.
SDev	403.1	.1409	.0011	.1162	.4151	268.6
%RSD	.1526	7.683	.5949	4.239	55.88	.1795

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	229100.	46490.	4804.	-1.656	454200.	6.286
SDev	63.94	66.65	9.262	.8564	487.8	1.116
%RSD	.0279	.1434	.1928	51.72	.1074	17.75

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2020	-1.361	3.288	-10.55	11.68	-.1960
SDev	1.1	.4888	.1389	.8564	1.909	.0004
%RSD	544.5	35.91	4.225	8.117	16.34	.214

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.789	-.4919	-.0572	-5.714	7.782	.0220
SDev	.1383	.5369	1.381	1.785	1.099	2.142
%RSD	2.037	109.1	2412	31.24	14.13	9735

Elems	1960/2	*Y
Units	PPB	
Avge	-2.052	15201.2
SDev	.3368	42.0729
%RSD	16.42	.27677

Method: TOTAL Sample Name: HEXM3F Operator: KLC
Run Time: 07/17/05 22:47 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4674	-9.935	18.05	274.5	387.3	.0497
SDev	.6573	.371	.3366	.9437	.2776	.0002
%RSD	140.6	3.734	1.864	.3438	.0717	.3965

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	261900.	-1.746	.0644	.9349	.4347	146900.
SDev	117.6	.0791	.0542	.1196	.0537	68.52
%RSD	.0449	4.533	84.23	12.79	12.36	.0466

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	231700.	46340.	4742.	-1.942	454700.	5.983
SDev	681.7	33.57	4.863	.2717	1705	.1939
%RSD	.2942	.0724	.1026	13.99	.3751	3.242

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.027	-.6417	2.850	-11.98	14.43	-.1643
SDev	.4642	.0954	.379	1.17	2.015	.2469
%RSD	45.2	14.87	13.3	9.768	13.96	150.3

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.018	-.2217	-1.429	-4.557	6.548	4.467
SDev	.1411	.1913	.6004	2.889	2.01	.1789
%RSD	4.676	86.29	42.02	63.38	30.7	4.004

Elems	1960/2	*Y
Units	PPB	
Avge	-3.192	15143.8
SDev	.0538	3.88908
%RSD	1.685	.02568

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/17/05 22:55 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1015.	25870.	521.3	5105.	2064.	2101.
SDev	2.526	62.94	1.1	4.004	7.426	8.561
%RSD	.2488	.2433	.211	.0784	.3597	.4075

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52650.	519.9	2113.	2071.	2083.	26490.
SDev	147.8	1.712	8.196	9.712	6.497	95.95
%RSD	.2807	.3293	.3879	.4689	.312	.3622

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53030.	52660.	2087.	2126.	50410.	2104.
SDev	139	175.7	7.091	6.871	12.69	5.983
%RSD	.2622	.3337	.3398	.3233	.0252	.2843

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517.1	517.3	518.7	5234.	1031.	2055.
SDev	.2829	1.216	1.026	18.81	3.17	7.768
%RSD	.0547	.2352	.1977	.3594	.3076	.3781

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2086.	510.4	520.4	505.7	525.2	512.7
SDev	7.396	2.06	1.453	1.571	.7534	.5334
%RSD	.3545	.4035	.2791	.3106	.1435	.104

Elems	1960/2	*Y
Units	PPB	
Avge	519.6	15455
SDev	2.09	61.5183
%RSD	.4023	.39804

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/17/05 23:02 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1544	16.33	-1.107	13.79	.2269	-.0410
SDev	.3354	2.852	1.237	3.45	.0001	.0114
%RSD	217.2	17.47	111.7	25.02	.0285	27.86

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-2.425	.1100	.1521	-.2524	-.9418	-12.00
SDev	.0197	.0504	.0529	.1671	.4457	2.741
%RSD	.8102	45.81	34.78	66.21	47.33	22.84

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.235	3.202	-.1808	.3005	77.42	-.4912
SDev	9.655	2.313	.0988	.7921	65.24	.7133
%RSD	432	72.24	54.65	263.6	84.27	145.2

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3295	2.816	-.7165	2.975	-2.187	-.0853
SDev	.3941	2.33	.7855	.3549	.9822	.0763
%RSD	119.6	82.73	109.6	11.93	44.91	89.46

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1363	.9777	.0059	-2.687	.2672	5.520
SDev	.0342	.2987	.4416	1.056	1.705	.0778
%RSD	25.13	30.55	7427	39.32	638.2	1.409

Elems	1960/2	*Y
Units	PPB	
Avge	1.466	15578.2
SDev	3.454	1.06066
%RSD	235.6	.0068

Method: TOTAL Sample Name: HE4QX Operator: KLC
Run Time: 07/17/05 23:08 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5811	4714.	3.784	28040.	91.90	.0455
SDev	.1667	129.2	1.225	678.3	2.441	.0069
%RSD	28.68	2.742	32.36	2.419	2.656	15.21

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	80320.	.2002	10.19	2.028	.8800	5365.
SDev	1889	.0007	.222	.1163	.192	131.9
%RSD	2.352	.3693	2.178	5.734	21.82	2.458

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	167200.	24360.	672.5	316.2	H787200.	34.22
SDev	4464	611.9	17.58	7.782	17480	.7488
%RSD	2.67	2.512	2.614	2.461	2.22	2.188

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.75	2.821	4.097	4.068	5.383	.7362
SDev	.8445	1.726	3.249	.9074	4.164	.5187
%RSD	5.726	61.17	79.32	22.3	77.34	70.46

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	81.84	13.21	15.52	2.181	5.053	16.08
SDev	2.015	.5849	.9741	.2513	4.997	.1627
%RSD	2.463	4.428	6.277	11.52	98.89	1.012

Elems	1960/2	*Y
Units	PPB	
Avge	-3.797	14854.8
SDev	2.668	339.765
%RSD	70.28	2.28724

Method: TOTAL Sample Name: HE4RE Operator: KLC
Run Time: 07/17/05 23:13 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3622	5021.	3.261	23160.	94.52	.0351
SDev	.1	3.411	.8819	20.42	.0052	.0113
%RSD	27.6	.0679	27.05	.0881	.0055	32.13

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	75970.	.1733	8.576	1.812	4.906	3633.
SDev	105.1	.1028	.1682	.0948	.1022	7.064
%RSD	.1383	59.29	1.961	5.23	2.084	.1944

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	140500.	23910.	566.2	315.8	H710100.	27.38
SDev	141	33.38	.6755	1.481	33.85	.0434
%RSD	.1004	.1396	.1193	.4691	.0048	.1586

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.057	1.674	5.486	5.434	5.188	.9109
SDev	.4968	2.135	.174	.6392	3.196	.0339
%RSD	7.04	127.5	3.171	11.76	61.61	3.724

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	68.26	4.372	8.398	-.0696	8.260	11.92
SDev	.033	.8095	1.149	.2979	.1121	.361
%RSD	.0483	18.51	13.68	427.8	1.357	3.027

Elems	1960/2	*Y
Units	PPB	
Avge	-3.444	15159.8
SDev	3.02	10.253
%RSD	87.7	.06763

Method: TOTAL Sample Name: HE4REL Operator: KLC
Run Time: 07/17/05 23:18 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2841	1152.	.1830	4700.	19.25	.0334
SDev	.5834	6.471	1.639	16.03	.0974	.0157
%RSD	205.3	.5616	895.3	.3411	.5061	47.09

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15610.	.2122	1.718	.0057	1.090	726.0
SDev	36.47	.1766	.2719	.1455	.0455	.8307
%RSD	.2336	83.2	15.83	2570	4.174	.1144

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	28280.	4838.	112.9	62.30	149000.	4.865
SDev	136.3	3.378	.1495	.8384	960.3	.1565
%RSD	.4819	.0698	.1325	1.346	.6446	3.217

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.562	-.6209	2.060	1.847	1.286	.1654
SDev	.3852	1.32	1.024	1.247	1.087	.0424
%RSD	24.66	212.5	49.7	67.53	84.5	25.62

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.75	-.4068	2.545	-.4510	3.313	1.885
SDev	.0841	.7662	.9601	1.817	.6275	.1896
%RSD	.5705	188.3	37.72	402.9	18.94	10.06

Elems	1960/2	*Y
Units	PPB	
Avge	-1.872	15599.5
SDev	1.884	106.066
%RSD	100.6	.67993

Method: TOTAL Sample Name: HE87MB 5193022 Operator: KLC
Run Time: 07/17/05 23:26 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1865	-18.05	-1.105	46.83	.1142	-.0104
SDev	.0317	2.363	.6294	11.82	.0926	.0026
%RSD	16.97	13.09	56.96	25.25	81.09	25.4

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-57.45	.1763	.0492	-.8427	-.5860	27.35
SDev	.9527	.1156	.1041	.1394	.1945	7.976
%RSD	1.658	65.56	211.6	16.54	33.19	29.16

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-11.41	3.603	.0652	-.3836	-358.9	-.3969
SDev	1.706	3.86	.1067	.7357	65.2	.4187
%RSD	14.94	107.1	163.7	191.8	18.17	105.5

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6558	-.8324	1.062	1.281	-.1444	-.0956
SDev	1.208	3.031	.6725	1.878	3.388	.1528
%RSD	184.3	364.1	63.32	146.6	2347	159.8

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.590	-2.519	.2742	-2.287	2.734	1.581
SDev	.02	.6444	2.134	.6224	1.319	5.175
%RSD	.2084	25.58	778.2	27.21	48.24	327.2

Elems	1960/2	*Y
Units	PPB	
Avge	-2.037	15903.2
SDev	1.961	28.6378
%RSD	96.23	.18007

Method: TOTAL Sample Name: HE87MC Operator: KLC
Run Time: 07/17/05 23:31 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59.49	2207.	2121.	1037.	2083.	53.34
SDev	.3367	8.573	2.576	3.384	6.451	.086
%RSD	.5659	.3885	.1215	.3262	.3096	.1612

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54610.	53.34	536.8	215.0	276.4	1126.
SDev	90.7	.2272	1.117	.0966	1.243	7.76
%RSD	.1661	.4258	.2081	.0449	.4499	.6893

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54890.	53850.	532.2	1069.	53520.	538.6
SDev	190.4	90.65	1.004	2.449	289.8	2.806
%RSD	.3468	.1683	.1886	.2291	.5415	.521

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	522.0	2146.	532.2	2132.	2086.	527.6
SDev	.6715	6.538	.9789	6.944	9.2	.7986
%RSD	.1286	.3046	.1839	.3257	.441	.1514

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	540.3	523.8	521.1	526.2	535.2	2121.
SDev	1.069	1.856	.0801	2.06	.4391	6.338
%RSD	.1978	.3543	.0154	.3915	.082	.2989

Elems	1960/2	*Y
Units	PPB	
Avge	2159.	15666.5
SDev	6.638	40.3051
%RSD	.3075	.25726

Method: TOTAL Sample Name: HE4L4 Operator: KLC
Run Time: 07/17/05 23:37 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7132	17.90	-1.054	17.65	.3322	-.0049
SDev	.3512	.1423	.9163	2.628	.0183	.0072
%RSD	49.24	.7951	86.93	14.88	5.494	145.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	204.4	.1692	-.0263	-.3937	-.4851	19.20
SDev	1.307	.0265	.2081	.4428	.1555	.3979
%RSD	.6394	15.65	791.5	112.5	32.05	2.073

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.08	11.66	-.0838	-.3160	615.7	-.5771
SDev	2.711	.494	.0358	.3889	26.49	.0701
%RSD	22.43	4.235	42.74	123.1	4.303	12.15

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.180	.0708	1.308	2.774	3.945	-.2050
SDev	.8885	.7045	.4631	.9145	3.128	.4716
%RSD	75.33	994.6	35.41	32.96	79.29	230

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.598	-2.920	-.3107	-1.804	2.861	3.086
SDev	.0562	1.393	.6369	.4763	.4565	.8338
%RSD	2.164	47.69	205	26.4	15.96	27.02

Elems	1960/2	*Y
Units	PPB	
Avge	-1.434	15828
SDev	1.472	9.89949
%RSD	102.6	.06254

Method: TOTAL Sample Name: HE4NQ Operator: KLC
Run Time: 07/17/05 23:42 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2766	16.12	-.5569	8.925	.4374	-.0032
SDev	.202	.4572	.0323	1.768	.0584	.0196
%RSD	73.04	2.835	5.81	19.81	13.35	605.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	210.3	.2076	-.0255	-.3865	-.4672	1.719
SDev	.3418	.1246	.0007	.024	.1294	1.009
%RSD	.1625	60.04	2.888	6.202	27.69	58.69

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.63	11.48	-.1283	-.8998	695.2	-.1809
SDev	10.05	1.38	.047	.431	18.72	.2095
%RSD	73.71	12.02	36.66	47.9	2.693	115.8

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2132	1.347	-.0855	.6578	1.553	-.0407
SDev	.1093	1.491	1.29	.3928	2.461	.0803
%RSD	51.26	110.7	1510	59.71	158.5	197.2

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.191	-2.381	1.508	-1.955	.8477	3.211
SDev	.084	1.365	.8451	.1357	1.866	1.889
%RSD	2.631	57.32	56.03	6.942	220.2	58.82

Elems	1960/2	*Y
Units	PPB	
Avge	.4158	15853.5
SDev	3.178	24.0416
%RSD	764.2	.15164

Method: TOTAL Sample Name: HE1DD Operator: KLC
Run Time: 07/17/05 23:47 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1035	-11.96	.8376	267.4	52.61	.0150
SDev	0	.4907	.2516	.2736	.0191	.0265
%RSD	.0089	4.102	30.04	.1023	.0363	176.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	69870.	.2834	-.2177	-.5225	-.6276	333.3
SDev	65.31	.0263	.4727	.396	.4425	.2085
%RSD	.0935	9.265	217.1	75.78	70.5	.0625

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2361.	73860.	11.86	25.00	28960.	.4780
SDev	6.857	104.1	.0614	.6131	12.42	.0946
%RSD	.2904	.1409	.5178	2.452	.0429	19.8

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4342	.1550	.6139	-2.857	2.489	-.3434
SDev	.3979	.0504	1.529	1.856	1.078	.0428
%RSD	91.63	32.54	249	64.96	43.3	12.48

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.147	-1.660	.1779	-2.519	2.178	.9371
SDev	.0009	.2687	.7307	1.039	2.81	.7785
%RSD	.0291	16.18	410.8	41.24	129	83.07

Elems	1960/2	*Y
Units	PPB	
Avge	-.2355	15657.5
SDev	.4643	0
%RSD	197.2	0

Method: TOTAL Sample Name: HE1DDS Operator: KLC
Run Time: 07/17/05 23:53 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59.19	2192.	2108.	1290.	2127.	52.62
SDev	.0866	.2096	6.515	3.769	1.65	.0687
%RSD	.1463	.0096	.309	.2922	.0776	.1306

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	123200.	52.24	525.4	211.1	272.1	1449.
SDev	169.1	.1742	.5081	.5137	.173	3.486
%RSD	.1372	.3335	.0967	.2433	.0636	.2407

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	57710.	129300.	538.9	1078.	82350.	521.7
SDev	59.51	193	.1592	1.722	157	.8573
%RSD	.1031	.1493	.0295	.1597	.1907	.1643

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	511.0	2122.	534.7	2127.	2060.	519.8
SDev	.9399	.901	2.53	1.327	.9333	.5399
%RSD	.1839	.0424	.4731	.0624	.0453	.1039

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	536.6	513.2	509.8	527.1	538.5	2100.
SDev	.7037	2.332	.245	.8754	4.229	9.629
%RSD	.1311	.4543	.0481	.1661	.7854	.4586

Elems	1960/2	*Y
Units	PPB	
Avge	2134.	15563.5
SDev	6.158	5.65685
%RSD	.2886	.03634

Method: TOTAL Sample Name: HE1DDD Operator: KLC
Run Time: 07/17/05 23:58 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.69	2291.	2193.	1334.	2210.	54.78
SDev	.0165	8.66	4.289	1.249	1.342	.0242
%RSD	.0268	.3781	.1956	.0937	.0607	.0442

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	124000.	54.41	547.2	220.3	283.6	1488.
SDev	49.84	.0041	.2622	.2411	.1363	8.817
%RSD	.0402	.0076	.0479	.1095	.0481	.5925

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	59600.	130200.	560.4	1123.	84060.	540.7
SDev	18.85	3.707	.0637	5.106	244.1	.2647
%RSD	.0316	.0028	.0114	.4546	.2904	.049

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	533.5	2210.	554.2	2218.	2152.	541.7
SDev	1.935	3.11	.8077	.193	8.025	.2894
%RSD	.3627	.1407	.1457	.0087	.3729	.0534

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	556.3	536.9	531.8	549.7	556.4	2187.
SDev	.6901	1.957	1.923	.0824	1.252	1.336
%RSD	.1241	.3646	.3617	.015	.225	.0611

Elems	1960/2	*Y
Units	PPB	
Avge	2222.	15486.5
SDev	3.996	1.41421
%RSD	.1798	.00913

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 00:05 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1013.	25870.	517.5	5087.	2060.	2092.
SDev	1.595	61.64	.9676	12.02	2.932	.874
%RSD	.1575	.2383	.187	.2362	.1423	.0418

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52720.	517.9	2105.	2069.	2082.	26500.
SDev	4.196	.1035	2.467	.6472	3.09	.3522
%RSD	.008	.02	.1172	.0313	.1484	.0013

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52680.	52510.	2085.	2108.	50270.	2083.
SDev	136.6	15.51	.791	2.696	277.2	.551
%RSD	.2593	.0295	.0379	.1279	.5515	.0265

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	516.2	519.1	519.3	5206.	1039.	2055.
SDev	.0226	2.726	1.007	.001	2.487	.7081
%RSD	.0044	.5251	.194	0	.2393	.0345

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2077.	509.0	519.7	506.6	525.6	516.4
SDev	2.291	1.316	.6229	1.529	.7468	.1381
%RSD	.1103	.2584	.1199	.3018	.1421	.0267

Elems	1960/2	*Y
Units	PPB	
Avge	520.5	15597.8
SDev	4.156	6.71751
%RSD	.7985	.04306

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 00:13 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3153	18.42	-1.333	25.35	.3703	-.0013
SDev	.5812	1.368	.2482	5.831	.0173	.0048
%RSD	184.3	7.426	18.62	23	4.66	357.3

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2602	.1338	.0055	-.0411	-.7773	-15.28
SDev	.1538	.1516	.0517	.1423	.0223	1.887
%RSD	59.11	113.3	941.9	346.5	2.874	12.36

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.601	3.471	-.2033	.5353	40.88	-.2247
SDev	.1973	.2076	.0015	1.047	48.03	.0481
%RSD	7.584	5.982	.7504	195.5	117.5	21.4

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3494	.8978	-.0721	2.340	.2872	-.0856
SDev	.6818	.5389	.4067	2.457	3.157	.0046
%RSD	195.1	60.02	563.9	105	1100	5.422

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0526	-.1268	-.4606	-3.425	1.602	-.5239
SDev	.0182	.6448	.7002	.29	.465	2.824
%RSD	34.54	508.6	152	8.467	29.02	538.9

Elems	1960/2	*Y
Units	PPB	
Avge	1.608	15664.2
SDev	2.218	26.5165
%RSD	137.9	.16928

Method: TOTAL Sample Name: HE1DG Operator: KLC
Run Time: 07/18/05 00:18 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1545	321.1	.0928	83.62	61.84	.0505
SDev	.0544	2.783	1.119	.5569	.3342	.0019
%RSD	35.2	.8666	1206	.666	.5405	3.775

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	92500.	.1627	.8606	.3395	5.431	6191.
SDev	333	.0562	.1045	.2615	.3888	23.8
%RSD	.36	34.53	12.15	77.03	7.16	.3844

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2282.	37070.	410.3	2.948	130900.	3.394
SDev	3.024	139.5	1.421	.5586	79.87	.1547
%RSD	.1325	.3763	.3464	18.95	.061	4.559

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1174	.7988	.7193	-.6617	3.421	.6619
SDev	.8128	.8806	1.923	.6621	1.815	.0801
%RSD	692.3	110.2	267.4	100.1	53.05	12.11

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.175	-2.235	.9397	-1.688	1.921	4.291
SDev	.031	.8477	.7954	1.259	2.255	5.621
%RSD	.3787	37.93	84.65	74.55	117.4	131

Elems	1960/2	*Y
Units	PPB	
Avge	-.9445	15570.8
SDev	1.486	44.9013
%RSD	157.3	.28836

Method: TOTAL Sample Name: HE1DJ Operator: KLC
Run Time: 07/18/05 00:24 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0570	-9.063	1.397	97.16	314.1	.0518
SDev	.4792	.4649	.4576	1.113	1.794	.0073
%RSD	841.1	5.129	32.76	1.146	.5712	14.15

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	168300.	.1979	.1134	.1608	.4667	3373.
SDev	784.1	.0119	.1083	.2924	.08	13.99
%RSD	.4658	5.994	95.53	181.8	17.14	.4148

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4933.	79690.	187.5	1.337	93180.	.3716
SDev	45.16	413.6	1.13	.5935	571	.8884
%RSD	.9156	.519	.6027	44.38	.6128	239.1

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9483	2.583	1.097	-.6565	7.140	.2796
SDev	.4296	1.87	.5415	.7884	.7229	.3144
%RSD	45.3	72.38	49.35	120.1	10.12	112.4

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.876	-3.526	.3384	-3.018	3.152	4.841
SDev	.0069	.2697	.5095	.5591	1.091	2.403
%RSD	.1409	7.649	150.6	18.53	34.61	49.65

Elems	1960/2	*Y
Units	PPB	
Avge	1.455	15540.5
SDev	4.003	96.1665
%RSD	275	.61881

Method: TOTAL Sample Name: HE1DK Operator: KLC
Run Time: 07/18/05 00:29 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1816	37.07	9.807	197.1	268.1	.0734
SDev	.0877	.3224	1.519	.4368	.887	.0114
%RSD	48.29	.8696	15.49	.2216	.3309	15.52

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	197700.	-.1850	1.727	.3145	-.0352	19050.
SDev	797.6	.1074	.1527	.3187	.3543	72.25
%RSD	.4035	58.03	8.843	101.4	1006	.3793

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10900.	79490.	856.4	8.987	70280.	1.914
SDev	48.31	372.9	3.314	.9594	527.1	.4927
%RSD	.4433	.4691	.3869	10.68	.7499	25.75

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5473	-1.061	1.370	-1.354	6.033	-.0325
SDev	.3552	.3408	.417	1.453	.6468	.4458
%RSD	64.9	32.11	30.44	107.3	10.72	1372

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.646	-2.342	.3488	-2.477	3.291	3.435
SDev	.0675	1.457	.1947	3.118	.9316	6.229
%RSD	1.454	62.19	55.82	125.9	28.31	181.3

Elems	1960/2	*Y
Units	PPB	
Avge	-3.306	15481.2
SDev	2.599	84.4993
%RSD	78.62	.54581

Method: TOTAL Sample Name: HE1DL Operator: KLC
Run Time: 07/18/05 00:34 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2202	43.32	1.318	462.6	726.2	.1194
SDev	.1902	.6262	1.046	4.977	3.644	.0019
%RSD	86.37	1.446	79.36	1.076	.5017	1.577

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	408700.	.1491	4.422	5.837	1.029	7810.
SDev	1408	.0097	.2081	.0183	.0767	29.13
%RSD	.3446	6.497	4.705	.3132	7.455	.3729

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34870.	269600.	460.0	2.593	H627900.	6.328
SDev	197	1086	1.879	.489	4671	.2276
%RSD	.5649	.4027	.4085	18.85	.744	3.598

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4232	.0225	-1.383	.5412	5.218	1.123
SDev	.5858	1.017	2.111	.6558	.3803	.1645
%RSD	138.4	4512	152.6	121.2	7.289	14.65

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12.34	-2.618	.6725	-2.745	-.7027	3.838
SDev	.0248	.8623	.4477	.2127	3.058	3.031
%RSD	.2008	32.94	66.57	7.747	435.2	78.97

Elems	1960/2	*Y
Units	PPB	
Avge	-1.882	15070.5
SDev	.012	38.8909
%RSD	.6362	.25805

Method: TOTAL Sample Name: HE1DN Operator: KLC
Run Time: 07/18/05 00:39 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4064	264.5	.3122	188.4	290.3	.0616
SDev	.0004	.9545	1.689	.2535	.4623	.0018
%RSD	.0931	.3609	541.2	.1345	.1592	2.95

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	147200.	.1149	6.345	17.21	-.0110	3752.
SDev	279.9	.0513	.3346	.1805	.4846	7.512
%RSD	.1901	44.64	5.274	1.049	4395	.2002

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5728.	63080.	196.6	2.313	223000.	341.9
SDev	7.366	111.3	.24	.1886	109.4	.7621
%RSD	.1286	.1765	.122	8.153	.049	.2229

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5589	.9101	-1.581	-.4909	1.823	-.1218
SDev	.8981	1.038	.4409	1.045	3.932	.2433
%RSD	160.7	114	27.89	213	215.7	199.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.012	-2.113	.2172	-3.459	-.6432	4.105
SDev	.0068	2.977	.1399	.4902	.9058	1.726
%RSD	.1131	140.9	64.42	14.17	140.8	42.05

Elems	1960/2	*Y
Units	PPB	
Avge	-.6847	15502
SDev	.6939	43.1335
%RSD	101.3	.27824

Method: TOTAL Sample Name: HE1DP Operator: KLC
Run Time: 07/18/05 00:44 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3391	264.6	2.684	103.3	102.7	.0912
SDev	.0766	2.257	.2045	.3435	.2464	.011
%RSD	22.59	.8528	7.622	.3325	.24	12.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	221600.	-.0336	.7138	1.664	.8108	9546.
SDev	149.1	.0719	.5343	.3359	.1223	4.461
%RSD	.0673	213.9	74.86	20.19	15.08	.0467

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5544.	102600.	310.8	1.211	72320.	4.210
SDev	6.448	85.71	.4901	.2696	81.91	.4782
%RSD	.1163	.0835	.1577	22.26	.1133	11.36

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.063	-.4997	1.474	4.820	3.214	.6032
SDev	.2358	.2424	2.415	.8546	.3706	.2821
%RSD	22.18	48.52	163.8	17.73	11.53	46.77

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.280	-3.779	.2933	-1.038	2.728	2.349
SDev	.0102	.2487	.2293	3.347	1.95	2.305
%RSD	.1229	6.582	78.17	322.5	71.48	98.15

Elems	1960/2	*Y
Units	PPB	
Avge	-1.922	15383
SDev	1.514	10.6066
%RSD	78.8	.06895

Method: TOTAL Sample Name: HE1DQ Operator: KLC
Run Time: 07/18/05 00:50 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8158	-5.304	-.4975	114.6	66.77	.0758
SDev	.0559	1.364	2.425	1.006	.053	.0015
%RSD	6.851	25.71	487.5	.8781	.0794	1.976

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	188100.	.0704	-.1147	-.2690	-.4204	3783.
SDev	157.4	.0385	.4252	.2358	.7025	13.12
%RSD	.0837	54.67	370.6	87.65	167.1	.3468

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4205.	79930.	88.60	2.082	95920.	.3595
SDev	4.541	130.9	.2618	.3644	14.83	.1897
%RSD	.108	.1637	.2954	17.5	.0155	52.78

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.310	2.706	.8430	-2.978	-.7430	-.6948
SDev	1.184	1.2	.0656	.7632	1.432	.0818
%RSD	90.35	44.35	7.781	25.63	192.7	11.78

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.227	-3.504	-.2146	-.8192	1.673	2.372
SDev	.1699	1.166	1.193	.8534	.3277	2.348
%RSD	3.25	33.26	555.8	104.2	19.59	99

Elems	1960/2	*Y
Units	PPB	
Avge	2.873	15426.8
SDev	2.972	34.2947
%RSD	103.4	.2223

Method: TOTAL Sample Name: HE1DR Operator: KLC
Run Time: 07/18/05 00:55 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1274	-14.46	-1.302	438.1	209.2	.0627
SDev	.5881	2.671	.1487	1.364	.0734	.0156
%RSD	461.8	18.48	11.42	.3114	.0351	24.87

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	171500.	.0543	-.0005	-.4924	-.5837	4422.
SDev	36.37	.0938	.0534	.388	.3978	.2168
%RSD	.0212	172.9	10420	78.8	68.16	.0049

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8645.	62740.	287.3	.3144	152800.	.6268
SDev	7.805	12.52	.1972	.2647	158	.0485
%RSD	.0903	.02	.0686	84.2	.1034	7.736

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4035	.5826	.3717	-1.958	5.005	-.5208
SDev	.0724	1.781	.256	.3727	.5145	.2004
%RSD	17.94	305.7	68.87	19.04	10.28	38.48

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.974	-1.421	.1046	-3.049	2.079	3.732
SDev	.0631	.7907	.5033	.854	.8101	3.933
%RSD	2.122	55.64	481.4	28.01	38.96	105.4

Elems	1960/2	*Y
Units	PPB	
Avge	-.9899	15479.2
SDev	.7065	7.42462
%RSD	71.38	.04796

Method: TOTAL Sample Name: HE3QC Operator: KLC
Run Time: 07/18/05 01:00 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0657	-11.92	10.99	63.19	743.2	.0710
SDev	.2757	6.28	.6424	2.421	31.95	.0263
%RSD	419.5	52.7	5.848	3.83	4.299	37.09

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	180700.	-.1092	-.9905	.0237	-.2352	17430.
SDev	6790	.0788	.1028	.1868	.3916	735.4
%RSD	3.757	72.14	10.38	787.2	166.5	4.219

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7880.	18950.	738.4	1.724	53400.	.3252
SDev	292.2	815.1	31.53	.2095	2161	.3037
%RSD	3.708	4.301	4.27	12.15	4.048	93.37

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.150	1.198	1.083	-2.642	-1.199	-.0471
SDev	.6972	.8864	1.029	2.365	1.485	.2367
%RSD	60.65	73.97	95	89.51	123.8	503.1

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.759	-3.216	-.1179	-3.231	3.237	3.161
SDev	.093	1.492	.3004	2.81	.1393	.9855
%RSD	1.955	46.39	254.8	86.95	4.304	31.18

Elems	1960/2	*Y
Units	PPB	
Avge	.2187	15357.8
SDev	1.821	512.299
%RSD	832.5	3.33576

Method: TOTAL Sample Name: HE3QH Operator: KLC
Run Time: 07/18/05 01:05 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1214	401.1	1.750	25.77	32.64	.0391
SDev	.4933	.9359	.2332	.7341	.0536	.0044
%RSD	406.4	.2333	13.32	2.848	.1642	11.32

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	43990.	.7216	.9312	.1613	2.103	7376.
SDev	32.98	.0376	.0005	.2022	.2917	8.486
%RSD	.075	5.214	.0487	125.3	13.87	.115

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12680.	3613.	126.2	.7445	4028.	4.357
SDev	20.85	4.932	.0583	.0409	116.5	.0288
%RSD	.1644	.1365	.0462	5.496	2.893	.6609

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4625	2.038	.0512	.2185	.6761	2.209
SDev	.1642	1.963	.1321	1.303	3.461	.0422
%RSD	35.51	96.34	258.1	596.3	511.9	1.909

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13.70	-1.073	-.1579	-2.673	1.411	6.073
SDev	.1045	.6139	.5527	1.88	.7406	.5109
%RSD	.7628	57.24	350	70.32	52.47	8.413

Elems	1960/2	*Y
Units	PPB	
Avge	.0233	15714
SDev	3.198	16.2634
%RSD	13720	.10349

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 01:13 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1015.	25940.	519.4	5081.	2067.	2098.
SDev	.2995	7.619	.9289	12.64	.2246	1.704
%RSD	.0295	.0294	.1788	.2487	.0109	.0812

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52730.	517.1	2110.	2073.	2088.	26520.
SDev	21.95	.2829	1.109	1.024	.2812	36.19
%RSD	.0416	.0547	.0526	.0494	.0135	.1364

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52940.	52410.	2093.	2119.	50310.	2078.
SDev	59.45	49.93	.3675	3.209	15.8	1.131
%RSD	.1123	.0953	.0176	.1514	.0314	.0544

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	511.9	513.5	521.1	5224.	1041.	2056.
SDev	.2481	1.685	1.032	8.512	1.061	1.598
%RSD	.0485	.3281	.1981	.1629	.1019	.0777

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2075.	507.2	514.3	507.8	527.7	508.8
SDev	.8041	.3225	.2109	1.684	.7071	2.536
%RSD	.0387	.0636	.041	.3316	.134	.4985

Elems	1960/2	*Y
Units	PPB	
Avge	515.8	15605.2
SDev	1.26	7.42462
%RSD	.2442	.04757

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 01:21 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0736	22.02	.5851	18.71	.3536	.0101
SDev	.6557	3.702	.4948	3.74	.0806	.0175
%RSD	890.5	16.81	84.57	20	22.81	172.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.627	.0490	.2661	-.1616	-.4657	-14.69
SDev	1.945	.1103	.0011	.2081	.6605	1.049
%RSD	119.6	225	.4142	128.8	141.8	7.144

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-2.627	4.113	-.2927	.5589	-130.8	-.6743
SDev	5.155	1.716	.0211	.2954	235.3	.9194
%RSD	196.2	41.74	7.219	52.86	180	136.3

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3099	2.283	-.4148	1.580	.3263	-.1978
SDev	.2048	1.648	3.385	.8292	.8378	.4762
%RSD	66.07	72.21	816.2	52.46	256.8	240.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0675	-.2495	-.3401	1.839	-1.540	4.858
SDev	.0577	2.278	1.444	2.562	3.797	2.16
%RSD	85.45	913	424.6	139.3	246.5	44.46

Elems	1960/2	*Y
Units	PPB	
Avge	.9967	15713.2
SDev	1.393	64.7003
%RSD	139.7	.41175

Method: TOTAL Sample Name: HE3QJ Operator: KLC
Run Time: 07/18/05 01:26 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0713	9.884	237.6	86.18	368.8	.0802
SDev	.8855	2.249	1.137	.2876	2.382	.0145
%RSD	1242	22.76	.4785	.3338	.646	18.12

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	122700.	.1600	-.1815	.7332	.2323	3145.
SDev	569.1	.0042	.4181	.0093	.2316	19.84
%RSD	.4638	2.634	230.4	1.264	99.7	.6309

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9038.	12270.	220.9	9.448	144900.	2.574
SDev	23.11	63.54	1.262	.4297	454.8	.6722
%RSD	.2557	.5176	.5711	4.548	.314	26.11

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.108	-.2378	2.709	-1.979	-3.660	2.810
SDev	1.256	1.175	.189	2.29	.3577	.1723
%RSD	113.4	493.9	6.977	115.7	9.776	6.133

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	17.67	-2.485	-.4205	-2.416	5.267	.1795
SDev	.1719	.7309	2.248	.0657	.3162	2.164
%RSD	.9728	29.41	534.7	2.72	6.002	1206

Elems	1960/2	*Y
Units	PPB	
Avge	-.4462	15623.8
SDev	2.841	73.1856
%RSD	636.8	.46842

Method: TOTAL Sample Name: HE3QL Operator: KLC
Run Time: 07/18/05 01:31 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7227	25.06	3.020	88.41	392.8	.0683
SDev	.2399	3.128	.2581	1.195	2.97	.0155
%RSD	33.2	12.48	8.546	1.352	.7562	22.75

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	174200.	.6617	.4500	-.0483	.5228	363.2
SDev	1133	.1003	.0523	.0844	.1881	5.503
%RSD	.6502	15.15	11.61	174.9	35.97	1.515

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11930.	13940.	73.97	6.611	50250.	4.697
SDev	104.5	104.4	.6156	.0529	469.7	.2703
%RSD	.8756	.7494	.8323	.8007	.9347	5.755

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.433	1.394	.2053	-2.157	1.489	3.855
SDev	.496	.1847	.2546	.5183	2.576	.0934
%RSD	34.61	13.25	124	24.03	173	2.423

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	17.57	-2.967	-.6674	-1.076	.8448	2.874
SDev	.1515	.6972	1.092	1.181	.2081	1.03
%RSD	.8619	23.5	163.6	109.8	24.63	35.84

Elems	1960/2	*Y
Units	PPB	
Avge	.6546	15649.5
SDev	.2374	97.5807
%RSD	36.27	.62353

Method: TOTAL Sample Name: HE3QM Operator: KLC
Run Time: 07/18/05 01:36 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3797	48.17	242.8	83.60	369.6	.0739
SDev	.0218	.0357	2.137	.8576	.7101	.0033
%RSD	5.736	.0741	.8803	1.026	.1921	4.421

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	125400.	.0990	.1878	1.038	.0084	3190.
SDev	17.57	.0094	.4236	.0278	.0671	6.082
%RSD	.014	9.469	225.6	2.677	796	.1906

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9223.	12560.	224.4	10.12	148000.	3.137
SDev	16.1	11.53	.1445	.4519	475.7	.0684
%RSD	.1745	.0919	.0644	4.466	.3215	2.179

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.022	1.194	1.285	-2.996	2.495	3.316
SDev	.9949	.7473	.7886	.6484	1.104	.2063
%RSD	97.34	62.57	61.39	21.65	44.25	6.221

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	15.03	-2.448	-.3102	-1.670	2.759	6.004
SDev	.1074	.3752	1.304	.1441	1.254	1.624
%RSD	.7148	15.33	420.6	8.628	45.45	27.05

Elems	1960/2	*Y
Units	PPB	
Avge	-1.207	15520.8
SDev	.3094	13.0815
%RSD	25.63	.08428

Method: TOTAL Sample Name: HE3QP Operator: KLC
Run Time: 07/18/05 01:41 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6814	-13.04	-1.271	-4.339	.5286	.0035
SDev	.2643	6.165	.5528	.4296	.1161	.006
%RSD	38.78	47.27	43.48	9.9	21.97	170.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	93.52	.1830	.0124	-.2192	-.8774	22.88
SDev	1.258	.0488	.2577	.0855	.1398	.5018
%RSD	1.345	26.68	2086	39.01	15.93	2.193

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.15	10.24	.4777	-1.267	-368.4	.1152
SDev	1.941	.7156	.0325	.5195	152	.1186
%RSD	13.71	6.988	6.8	41	41.24	102.9

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7593	1.592	.7122	.5129	.8055	-.0713
SDev	.4087	.8033	.3797	1.532	.2767	.1212
%RSD	53.82	50.47	53.31	298.7	34.35	169.9

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	23.15	-3.262	.4901	-2.203	2.168	2.497
SDev	.0755	.7766	.225	.6241	.8808	1.645
%RSD	.326	23.81	45.92	28.33	40.64	65.87

Elems	1960/2	*Y
Units	PPB	
Avge	1.140	15883.8
SDev	.3833	38.5373
%RSD	33.63	.24262

Method: TOTAL Sample Name: HE31D Operator: KLC
Run Time: 07/18/05 01:47 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0127	85.89	.2010	-3.016	3.811	-.1785
SDev	.1068	.9375	1.027	.399	.103	.0065
%RSD	841	1.091	511.1	13.23	2.702	3.644

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	590.9	.2448	.3044	11.62	4.426	529.9
SDev	1.373	.0547	.1558	.5256	.3132	3.74
%RSD	.2324	22.35	51.18	4.522	7.076	.7057

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	60.29	261.0	95.30	-.9916	-163.5	.7756
SDev	9.347	3.717	.0109	.4773	24.33	.2534
%RSD	15.5	1.424	.0114	48.14	14.88	32.67

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.026	.1356	.2161	.2527	4.012	27.15
SDev	.514	2.261	.7144	.7735	3.672	.0644
%RSD	50.08	1668	330.5	306.1	91.52	.2371

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	19.03	-1.301	2.188	-1.808	1.227	2.569
SDev	.0997	.5248	1.033	.4238	1.283	.9827
%RSD	.5237	40.33	47.19	23.44	104.6	38.26

Elems	1960/2	*Y
Units	PPB	
Avge	-1.079	15869.2
SDev	2.899	35.7089
%RSD	268.7	.22501

Method: TOTAL Sample Name: HE43E Operator: KLC
Run Time: 07/18/05 01:52 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2375	337.7	.9352	146.0	61.91	.0499
SDev	.5141	8.644	.3733	1.881	1.025	.0181
%RSD	216.5	2.56	39.91	1.288	1.655	36.31

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	88790.	1.047	.2254	3.330	1077.	2004.
SDev	1372	.0847	.0554	.0297	18.88	32.45
%RSD	1.546	8.095	24.6	.8908	1.752	1.619

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	30240.	23260.	71.23	67.34	86350.	5.726
SDev	402.5	389.8	1.098	1.192	1230	.0181
%RSD	1.331	1.676	1.541	1.77	1.425	.3168

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.141	1.704	.9780	3.785	.4414	1.512
SDev	1.045	1.027	3.383	.6568	1.808	.3392
%RSD	20.32	60.26	345.9	17.35	409.5	22.43

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	344.5	4.128	5.647	.2241	1.354	7.732
SDev	5.391	.9717	1.081	1.432	4.357	.0879
%RSD	1.565	23.54	19.14	639	321.7	1.136

Elems	1960/2	*Y
Units	PPB	
Avge	-1.306	15586.8
SDev	1.583	159.453
%RSD	121.2	1.023

Method: TOTAL Sample Name: HE47C Operator: KLC
Run Time: 07/18/05 01:57 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4181	85.51	1.113	34.17	17.12	.0263
SDev	.4362	5.812	2.004	.5437	.0122	.0064
%RSD	104.3	6.797	180.1	1.591	.0711	24.35

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	39170.	-.1949	-.2095	-.0460	-.9176	13270.
SDev	25	.076	.2584	.4063	.1963	4.435
%RSD	.0638	39.01	123.3	883.6	21.39	.0334

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3003.	7552.	244.6	-1.052	19740.	.5144
SDev	14.83	12.48	.0944	.0447	38.85	.1658
%RSD	.4937	.1652	.0386	4.254	.1968	32.23

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.361	-.2076	1.416	.1109	1.970	.5368
SDev	.0563	2.518	.427	.8107	1.902	.318
%RSD	2.385	1213	30.15	730.7	96.57	59.23

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.328	.5638	3.259	-.7319	2.489	3.898
SDev	.1293	1.68	.9231	1.104	.0891	4.942
%RSD	5.552	298	28.33	150.8	3.58	126.8

Elems	1960/2	*Y
Units	PPB	
Avge	-2.257	15837.5
SDev	1.308	27.5772
%RSD	57.96	.17412

Method: TOTAL Sample Name: HE47CL Operator: KLC
Run Time: 07/18/05 02:02 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0255	158.9	1.045	35.22	3.756	.0172
SDev	.6755	.0265	.4125	1.421	.0072	.0053
%RSD	2653	.0166	39.47	4.034	.193	30.95

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8001.	.0236	-.0294	-.1820	-1.066	2634.
SDev	14.18	.021	.1031	.0029	.3631	15.1
%RSD	.1772	88.84	351.3	1.574	34.05	.573

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	561.6	1503.	48.54	-1.015	3977.	.3227
SDev	10.61	8.541	.2039	.3509	57.94	.1674
%RSD	1.889	.5682	.42	34.58	1.457	51.89

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1342	1.542	-.1209	-1.895	.9455	.1971
SDev	.2008	.6603	.4163	.2816	1.854	.4395
%RSD	149.6	42.81	344.2	14.86	196	223

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.498	-.8465	.2213	-3.104	1.368	2.329
SDev	.0377	1.403	.3993	.556	.9017	3.319
%RSD	2.513	165.7	180.4	17.91	65.91	142.6

Elems	1960/2	*Y
Units	PPB	
Avge	1.150	15733.8
SDev	.6672	41.3657
%RSD	58.03	.26291

Method: TOTAL Sample Name: HETX1S/2 Operator: KLC
Run Time: 07/18/05 02:08 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	25.15	29650.	967.7	457.0	1242.	25.58
SDev	.1358	10.02	.2151	1.014	.438	.0135
%RSD	.54	.0338	.0222	.2219	.0353	.0529

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	103500.	20.19	258.2	698.1	306.9	313000.
SDev	36.26	.005	.186	.5084	.0569	76.79
%RSD	.035	.025	.072	.0728	.0185	.0245

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	26090.	45650.	6681.	689.1	22400.	555.2
SDev	12.6	12.62	.2096	.7206	3.698	.0003
%RSD	.0483	.0276	.0031	.1046	.0165	0

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	500.2	849.6	181.4	907.9	886.2	335.9
SDev	1.702	3.612	1.312	2.835	1.018	.0741
%RSD	.3401	.4252	.7234	.3122	.1149	.0221

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1477.	497.2	501.8	169.9	187.2	828.9
SDev	.4796	1.103	2.001	.2254	1.855	1.382
%RSD	.0325	.2218	.3987	.1327	.9911	.1667

Elems	1960/2	*Y
Units	PPB	
Avge	859.9	15878.5
SDev	6.105	45.9619
%RSD	.71	.28946

Method: TOTAL Sample Name: HET1P/5 Operator: KLC
Run Time: 07/18/05 02:13 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1582	13310.	30.11	53.17	334.8	-.4611
SDev	.0227	17.44	.9298	.0961	.1465	.0001
%RSD	14.37	.1311	3.088	.1807	.0438	.023

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	100100.	-1.555	30.14	2492.	360.3	197400.
SDev	33.7	.0272	.0213	.1657	.5573	44.87
%RSD	.0337	1.747	.0707	.0066	.1547	.0227

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	582.9	16360.	9937.	299.2	-22.65	659.1
SDev	1.131	2.091	.7064	.0888	207.9	.8531
%RSD	.1941	.0128	.0071	.0297	918	.1294

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	283.7	1.658	3.912	23.34	24.60	111.0
SDev	.2439	.8533	1.905	.4172	3.344	.0443
%RSD	.086	51.46	48.69	1.787	13.6	.0399

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	590.1	282.0	284.5	-1.654	6.690	3.535
SDev	.023	.5654	.648	2.835	1.44	.3395
%RSD	.0039	.2005	.2278	171.4	21.53	9.605

Elems	1960/2	*Y
Units	PPB	
Avge	.7212	15696
SDev	1.449	11.3137
%RSD	200.9	.07208

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 02:20 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1026.	26210.	527.5	5135.	2096.	2122.
SDev	1.129	8.126	.6134	17.39	1.317	1.828
%RSD	.11	.031	.1163	.3386	.0628	.0862

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53130.	521.7	2128.	2086.	2105.	26710.
SDev	25.09	.1334	1.351	1.859	2.434	10.74
%RSD	.0472	.0256	.0635	.0891	.1156	.0402

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53890.	52610.	2109.	2152.	50740.	2105.
SDev	22.78	37.94	1.049	1.637	55.22	4.088
%RSD	.0423	.0721	.0497	.0761	.1088	.1942

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517.2	522.8	528.6	5261.	1049.	2065.
SDev	1.291	4.256	2.067	3.793	1.988	1.979
%RSD	.2496	.814	.391	.0721	.1895	.0958

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2094.	506.7	522.4	510.7	537.5	512.2
SDev	.7841	1.78	1.047	3.347	1.428	4.019
%RSD	.0374	.3513	.2003	.6555	.2656	.7846

Elems	1960/2	*Y
Units	PPB	
Avge	528.1	15599
SDev	4.373	5.65685
%RSD	.8282	.03626

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 02:28 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0356	32.21	-.5393	17.74	.0334	.0154
SDev	.0218	.0252	1.044	2.562	.0006	.0118
%RSD	61.21	.0782	193.7	14.44	1.848	76.96

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.155	.0664	-.1439	.3217	-1.271	-13.94
SDev	.9966	.1333	.0532	.014	.0452	10.91
%RSD	23.98	200.7	36.95	4.365	3.555	78.24

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.9418	4.508	-.0197	.1361	-97.88	.3953
SDev	5.209	.8501	.1361	.0455	2.282	.498
%RSD	553	18.86	692	33.4	2.331	126

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4371	1.448	.0183	1.391	1.807	.1386
SDev	.2321	1.4	.2272	.6207	1.988	.2398
%RSD	53.11	96.67	1239	44.61	110.1	173

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1385	.4836	.4138	-2.643	1.347	1.212
SDev	.0173	2.114	.7075	1.398	1.039	2.327
%RSD	12.51	437.2	171	52.89	77.1	192

Elems	1960/2	*Y
Units	PPB	
Avge	1.566	15646.5
SDev	3.261	12.7279
%RSD	208.2	.08134

Method: TOTAL Sample Name: HE47M/5 Operator: KLC
Run Time: 07/18/05 02:33 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.366	53140.	5.455	120.6	579.2	10.27
SDev	.0765	112.4	.665	1.055	.7778	.0291
%RSD	5.604	.2115	12.19	.8747	.1343	.2836

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	384700.	-1.442	5.676	453.7	23.78	114400.
SDev	433.2	.0256	.1052	.0411	.0517	124.1
%RSD	.1126	1.773	1.853	.0091	.2175	.1085

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5992.	85210.	14230.	8.604	2660.	19.97
SDev	37	129.1	6.383	.5676	29.86	.8286
%RSD	.6176	.1515	.0449	6.596	1.123	4.15

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24.52	.8736	2.402	3.030	37.97	338.0
SDev	.0235	1.014	2.238	.2838	.2414	.6056
%RSD	.0959	116	93.18	9.368	.6358	.1792

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	116.8	17.84	27.86	-3.888	5.542	5.420
SDev	.1033	4.17	2.117	.348	3.529	2.953
%RSD	.0885	23.38	7.601	8.95	63.68	54.49

Elems	1960/2	*Y
Units	PPB	
Avge	-1.396	15680
SDev	2.994	1.41421
%RSD	214.5	.00901

Method: TOTAL Sample Name: HE47N/5 Operator: KLC
Run Time: 07/18/05 02:39 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0184	28280.	11.88	126.0	339.4	1.886
SDev	.0423	33.76	.3577	.6793	.3354	.0207
%RSD	229.7	.1194	3.01	.5393	.0988	1.097

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	290800.	-.7952	8.676	196.7	47.60	88470.
SDev	30.25	.0193	.4111	.0621	.1019	29.79
%RSD	.0104	2.427	4.739	.0316	.214	.0337

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2421.	13850.	12590.	-.2168	995.9	20.78
SDev	8.843	6.492	7.368	.5209	95.36	.5947
%RSD	.3653	.0469	.0585	240.3	9.575	2.862

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	75.10	1.748	4.339	5.768	26.70	88.62
SDev	.8636	.6841	2.21	.5205	1.822	.0921
%RSD	1.15	39.14	50.94	9.023	6.823	.1039

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	132.2	71.39	76.96	-1.880	7.444	3.977
SDev	.1698	.5656	1.012	.2096	3.209	1.96
%RSD	.1284	.7923	1.316	11.15	43.11	49.28

Elems	1960/2	*Y
Units	PPB	
Avge	.6347	15757.5
SDev	2.004	12.0208
%RSD	315.8	.07628

Method: TOTAL Sample Name: HE47T/5 Operator: KLC
Run Time: 07/18/05 02:44 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0679	7613.	2.487	57.60	98.70	.5204
SDev	.6113	197.5	.9686	1.006	2.351	.0222
%RSD	900.5	2.594	38.95	1.747	2.382	4.266

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	91380.	-.4087	4.963	312.4	108.4	103700.
SDev	1967	.333	.0737	6.408	3.068	2443
%RSD	2.152	81.48	1.484	2.051	2.832	2.357

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	645.3	15190.	8646.	2.607	651.4	20.66
SDev	3.178	338.9	199.7	.5141	137.4	1.113
%RSD	.4925	2.231	2.31	19.72	21.1	5.386

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	449.0	.5916	1.156	32.29	20.41	155.8
SDev	11.77	.7858	1.965	.0465	2.883	3.56
%RSD	2.621	132.8	170	.144	14.12	2.285

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3928.	440.5	453.3	-2.675	3.069	1.381
SDev	90.01	8.467	13.42	1.369	2.263	3.915
%RSD	2.291	1.922	2.96	51.18	73.73	283.4

Elems	1960/2	*Y
Units	PPB	
Avge	.1973	15581.2
SDev	.7766	257.033
%RSD	393.7	1.64963

Method: TOTAL Sample Name: HE47V/5 Operator: KLC
Run Time: 07/18/05 02:49 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.5255	24230.	9.539	98.43	192.0	1.385
SDev	.3562	76.56	1.396	1.127	.097	.0148
%RSD	67.79	.316	14.63	1.145	.0505	1.071

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	255100.	-4.049	14.06	835.4	53.01	284000.
SDev	46.78	.014	.4193	.376	.0415	192.8
%RSD	.0183	.3462	2.982	.045	.0782	.0679

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1076.	53710.	19490.	15.14	299.3	40.04
SDev	.8979	21.9	.29	.6565	37.46	.6096
%RSD	.0834	.0408	.0015	4.336	12.52	1.522

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.33	-3.881	7.051	5.139	44.10	443.6
SDev	.5098	1.664	1.073	1.187	3.758	.5244
%RSD	.8313	42.87	15.22	23.1	8.522	.1182

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	221.0	60.28	61.86	-4.832	12.98	-.6821
SDev	.0804	1.317	.107	.7825	1.999	3.478
%RSD	.0364	2.184	.173	16.19	15.4	509.9

Elems	1960/2	*Y
Units	PPB	
Avge	-5.478	15584.2
SDev	.7583	3.18198
%RSD	13.84	.02041

Method: TOTAL Sample Name: HE47X/5 Operator: KLC
Run Time: 07/18/05 02:54 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0899	23710.	7.328	94.45	174.6	1.134
SDev	.0575	32.52	1.219	.4018	.0739	.0122
%RSD	63.93	.1372	16.63	.4254	.0423	1.073

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	234400.	-2.542	9.856	905.1	45.96	194300.
SDev	187.6	.1489	.101	.9595	.1376	99.19
%RSD	.08	5.856	1.025	.106	.2994	.051

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	910.2	58890.	20170.	10.50	350.2	37.21
SDev	5.572	7.814	14.12	.1372	48.85	.0645
%RSD	.6121	.0133	.07	1.307	13.95	.1735

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	67.59	-1.889	5.115	2.780	48.79	411.4
SDev	.3791	.5781	1.781	.6172	1.46	.0475
%RSD	.5609	30.6	34.83	22.2	2.993	.0116

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	218.6	67.14	67.82	-4.337	9.833	-.3288
SDev	.148	1.95	.4052	2.678	1.334	.1407
%RSD	.0677	2.904	.5974	61.74	13.56	42.78

Elems	1960/2	*Y
Units	PPB	
Avge	-2.668	15629
SDev	.7964	7.07106
%RSD	29.85	.04524

Method: TOTAL Sample Name: HE470/5 Operator: KLC
Run Time: 07/18/05 02:59 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3044	18870.	9.000	73.64	161.0	1.487
SDev	.1303	63.4	.288	.118	.4793	.0026
%RSD	42.81	.336	3.2	.1602	.2977	.1719

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	178100.	-4.287	9.798	464.7	77.89	282700.
SDev	539.3	.0089	.1342	1.693	.0603	1046
%RSD	.3028	.2087	1.369	.3643	.0774	.3699

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	857.3	38190.	11590.	12.39	156.5	45.83
SDev	8.762	156.4	42.8	.5275	61.57	.1178
%RSD	1.022	.4095	.3692	4.258	39.35	.257

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52.14	-1.167	5.349	4.211	29.90	266.0
SDev	.6378	3.703	.3886	.1811	.8707	1.579
%RSD	1.223	317.3	7.266	4.301	2.912	.5936

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	179.6	50.78	52.83	-6.072	11.05	-2.400
SDev	.9084	.2334	.8397	2.507	.6692	5.533
%RSD	.5059	.4597	1.589	41.3	6.056	230.6

Elems	1960/2	*Y
Units	PPB	
Avge	-.5514	15599.5
SDev	2.789	48.0832
%RSD	505.8	.30823

Method: TOTAL Sample Name: ZZZZZ Operator: KLC
Run Time: 07/18/05 03:05 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3654	165.4	-.5483	35.14	.4186	.0156
SDev	.1365	3.352	.2908	.7803	.0614	.0104
%RSD	37.36	2.027	53.03	2.22	14.67	66.95

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	370.9	.0876	-.2336	-.0935	-2.581	5.484
SDev	7.159	.0437	.0036	.1424	.3776	1.325
%RSD	1.93	49.89	1.557	152.3	14.63	24.17

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.277	10.85	1.544	-1.007	-245.3	-.2861
SDev	.2241	2.095	.0132	.3786	44.33	.2089
%RSD	3.57	19.3	.855	37.61	18.07	72.99

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1718	.1473	-.0644	.2914	-1.599	-.1563
SDev	.0988	1.906	.583	1.493	2.108	.0007
%RSD	57.51	1294	904.5	512.2	131.8	.4503

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.979	.1630	.1762	-3.017	1.409	2.503
SDev	.0387	.2648	.016	.8061	1.276	2.111
%RSD	1.298	162.4	9.061	26.72	90.57	84.35

Elems	1960/2	*Y
Units	PPB	
Avge	-1.029	16116.8
SDev	1.803	80.2566
%RSD	175.3	.49797

Method: TOTAL Sample Name: HE471/5 Operator: KLC
Run Time: 07/18/05 03:10 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.074	36800.	17.93	118.5	271.8	1.154
SDev	.4802	4051	4.77	14.49	29.43	.2852
%RSD	44.71	11.01	26.6	12.23	10.83	24.72

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	319500.	-8.284	15.39	1087.	99.44	541300.
SDev	28680	.7636	2.202	119.2	11.74	59120
%RSD	8.976	9.217	14.31	10.97	11.81	10.92

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2414.	61230.	25580.	36.78	147.3	46.06
SDev	212.9	6652	2726	5.489	112.8	4.727
%RSD	8.82	10.87	10.66	14.93	76.56	10.26

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	70.89	-7.812	11.13	1.710	61.25	603.5
SDev	7.696	.3384	2.132	3.669	13.55	66.88
%RSD	10.86	4.331	19.15	214.6	22.13	11.08

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	328.3	71.18	70.75	-8.820	21.09	-10.75
SDev	35.4	3.5	9.79	3.428	4.907	9.414
%RSD	10.78	4.918	13.84	38.87	23.27	87.6

Elems	1960/2	*Y
Units	PPB	
Avge	-6.347	14679.5
SDev	5.207	1286.23
%RSD	82.04	8.76206

Method: TOTAL Sample Name: HE473/5 Operator: KLC
Run Time: 07/18/05 03:15 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0144	33140.	8.111	133.4	323.9	3.603
SDev	.0744	222.9	.3121	.0431	1.344	.0237
%RSD	517.1	.6726	3.848	.0323	.4148	.6574

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	362400.	-.3159	7.216	55.09	26.32	55940.
SDev	1530	.1028	.1304	1.222	.1217	240
%RSD	.4224	32.55	1.807	2.219	.4626	.429

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3128.	18680.	5453.	1.546	1797.	20.53
SDev	8.731	89.88	23.21	.5801	48.87	.5528
%RSD	.2791	.4813	.4257	37.52	2.719	2.692

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	66.35	3.853	3.088	4.277	14.24	39.13
SDev	.1592	.3946	.0065	.5983	1.221	.2334
%RSD	.2399	10.24	.209	13.99	8.577	.5965

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	99.34	61.43	68.81	-1.597	5.427	8.293
SDev	.3685	1.176	.3486	.8293	.4043	.5082
%RSD	.3709	1.915	.5066	51.94	7.45	6.128

Elems	1960/2	*Y
Units	PPB	
Avge	1.636	15722.2
SDev	.8452	60.4576
%RSD	51.66	.38453

Method: TOTAL Sample Name: HE478/5 Operator: KLC
Run Time: 07/18/05 03:20 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.337	62620.	1.338	135.8	525.5	17.05
SDev	.3787	84.79	1.167	.9551	.4678	.0562
%RSD	28.32	.1354	87.28	.7034	.089	.3297

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	439900.	.0128	4.288	35.42	-.2608	5374.
SDev	581.6	.1021	.061	.3652	.0855	10.49
%RSD	.1322	794.8	1.421	1.031	32.8	.1951

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5102.	101200.	5191.	-.6462	2660.	.5207
SDev	6.867	244.7	7.879	1.221	72.22	.4493
%RSD	.1346	.2418	.1518	189	2.715	86.3

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.473	5.228	2.606	.4305	16.06	40.66
SDev	.3003	1.144	1.881	.983	.1899	.0568
%RSD	20.39	21.89	72.17	228.3	1.183	.1397

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	100.7	-4.212	4.311	-1.255	4.534	6.783
SDev	.3884	1.698	1.298	.8941	3.267	.4965
%RSD	.3857	40.31	30.11	71.27	72.05	7.32

Elems	1960/2	*Y
Units	PPB	
Avge	4.452	15760.5
SDev	1.964	36.7696
%RSD	44.1	.2333

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 03:28 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1034.	26230.	535.1	5167.	2117.	2139.
SDev	1.522	52.03	2.885	4.46	3.227	3.911
%RSD	.1472	.1983	.5391	.0863	.1524	.1828

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53100.	525.5	2141.	2092.	2106.	26810.
SDev	78.38	.7721	3.026	5.356	4.49	38.14
%RSD	.1476	.1469	.1413	.256	.2132	.1422

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54520.	52510.	2112.	2178.	51090.	2133.
SDev	49.82	127	3.083	2.974	124.5	3.719
%RSD	.0914	.2419	.1459	.1365	.2437	.1743

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	521.8	522.6	530.2	5262.	1045.	2062.
SDev	1.545	1.968	1.076	.2099	6.9	4.192
%RSD	.2961	.3765	.2028	.004	.6602	.2033

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2105.	503.3	531.0	510.0	540.3	507.6
SDev	2.95	.7325	2.682	3.152	.0389	4.288
%RSD	.1401	.1455	.5051	.6181	.0072	.8449

Elems	1960/2	*Y
Units	PPB	
Avge	530.1	15549.8
SDev	5.091	30.052
%RSD	.9604	.19326

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 03:36 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0129	37.38	-1.277	16.84	.0070	.0534
SDev	.0536	2.037	.9731	2.472	.0392	.0106
%RSD	416.5	5.449	76.22	14.68	563.1	19.76

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1419	-.0180	-.2932	.0699	-1.808	-6.070
SDev	1.333	.0628	.1588	.2705	.2914	.2177
%RSD	939.7	348.8	54.14	387	16.12	3.587

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-3.877	3.012	.1987	-.2341	-58.55	-.0396
SDev	13.19	1.448	.0968	.3968	265	.0703
%RSD	340.3	48.08	48.73	169.5	452.6	177.6

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5134	.4546	-1.275	1.580	-2.190	-.2301
SDev	.8332	2.61	.6856	1.47	.73	.1219
%RSD	162.3	574.2	53.75	93.05	33.32	52.97

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0999	-.2701	-.6348	-1.556	-1.135	2.662
SDev	.0483	1.283	1.89	2.237	2.145	4.359
%RSD	48.34	475	297.7	143.7	189	163.8

Elems	1960/2	*Y
Units	PPB	
Avge	-.6472	15632.8
SDev	1.737	19.4454
%RSD	268.4	.12438

Method: TOTAL Sample Name: HE48A/5 Operator: KLC
Run Time: 07/18/05 03:41 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.7522	56270.	1.474	127.3	479.9	16.11
SDev	.2898	106.6	1.943	.5789	.0603	.0119
%RSD	38.53	.1894	131.8	.4548	.0126	.0741

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	393500.	-.1156	3.057	28.27	-.5672	5658.
SDev	573	.1072	.315	.4325	.0724	4.169
%RSD	.1456	92.71	10.3	1.53	12.76	.0737

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4793.	91590.	4589.	-.6844	2301.	.4968
SDev	8.431	157.8	2.099	.6507	131.6	.2788
%RSD	.1759	.1723	.0457	95.07	5.722	56.12

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.116	6.681	1.474	-.7225	16.33	35.60
SDev	.3308	1.482	1.37	1.346	4.153	.1438
%RSD	29.63	22.18	92.91	186.3	25.44	.4038

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.182	-5.784	4.561	-1.092	2.756	10.60
SDev	.1516	.259	.3666	1.451	2.778	2.439
%RSD	2.453	4.479	8.038	132.8	100.8	23

Elems	1960/2	*Y
Units	PPB	
Avge	4.721	15847
SDev	1.004	21.9203
%RSD	21.25	.13832

Method: TOTAL Sample Name: HE6V5/5 Operator: KLC
Run Time: 07/18/05 03:46 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.916	31130.	3.663	142.8	270.8	.8787
SDev	.2122	1218	1.412	6.42	10.53	.1011
%RSD	5.419	3.913	38.54	4.498	3.888	11.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	344900.	-2.443	7.627	981.7	23.21	151100.
SDev	11330	.2602	.3196	37.86	1.047	5919
%RSD	3.286	10.65	4.19	3.856	4.509	3.917

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1516.	50930.	28110.	8.317	659.9	13.89
SDev	37.96	1964	1055	1.058	51.98	.0529
%RSD	2.504	3.857	3.752	12.72	7.878	.3806

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.27	-4.308	2.647	.1194	71.44	487.2
SDev	.1586	.4628	1.472	.1301	16.47	18.69
%RSD	.7458	10.74	55.61	108.9	23.05	3.835

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	93.90	18.46	22.67	-5.907	6.918	-.2185
SDev	3.644	.0353	.2202	.6854	2.55	.025
%RSD	3.881	.1914	.9711	11.6	36.85	11.43

Elems	1960/2	*Y
Units	PPB	
Avge	-6.349	15480
SDev	.6814	462.448
%RSD	10.73	2.98738

Method: TOTAL Sample Name: HE6V6/5 Operator: KLC
Run Time: 07/18/05 03:51 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0752	37080.	5.510	101.4	417.2	4.348
SDev	.1485	53.24	.279	.2904	.0393	.0163
%RSD	197.5	.1436	5.065	.2864	.0094	.3752

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	214300.	-1.587	7.429	283.2	33.85	102700.
SDev	100.3	.0338	.0539	.341	.2863	14.07
%RSD	.0468	2.132	.7254	.1204	.8458	.0137

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1513.	38730.	9685.	7.041	554.0	29.24
SDev	3.879	7.071	1.853	.1276	24.33	.2261
%RSD	.2563	.0183	.0191	1.813	4.391	.7733

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	82.78	1.904	3.304	2.966	28.12	189.5
SDev	.5563	.4614	.115	.4164	1.542	.1467
%RSD	.672	24.23	3.48	14.04	5.484	.0774

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	217.8	76.35	85.98	-2.425	6.164	2.607
SDev	.2868	1.844	.0865	.1422	.1014	.7346
%RSD	.1317	2.415	.1006	5.864	1.645	28.18

Elems	1960/2	*Y
Units	PPB	
Avge	1.554	15820
SDev	1.059	4.24264
%RSD	68.13	.02681

Method: TOTAL Sample Name: HE6V7/5 Operator: KLC
Run Time: 07/18/05 03:56 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2188	27770.	5.691	104.7	275.7	-.8209
SDev	.1957	120.1	.2639	1.142	.9648	.012
%RSD	89.44	.4325	4.636	1.09	.35	1.465

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	243100.	-2.688	8.202	983.2	50.89	161000.
SDev	867.3	.097	.4401	3.909	.6139	704.6
%RSD	.3568	3.608	5.366	.3976	1.206	.4376

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1866.	47700.	H47300.	-4.136	196.2	15.01
SDev	7.163	238.2	184.3	.1372	44.09	.7506
%RSD	.3839	.4994	.3896	3.318	22.47	5

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	21.89	-2.563	2.415	3.104	106.9	463.8
SDev	.4571	.1042	.1193	2.428	2.211	2.263
%RSD	2.089	4.066	4.937	78.22	2.069	.4879

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	61.39	17.33	24.16	-7.403	7.317	4.540
SDev	.2268	.586	.3928	2.337	.9882	1.371
%RSD	.3694	3.382	1.626	31.58	13.5	30.19

Elems	1960/2	*Y
Units	PPB	
Avge	-6.110	15675.5
SDev	.8405	41.7193
%RSD	13.76	.26614

Method: TOTAL Sample Name: HE6V7/10 Operator: KLC
Run Time: 07/18/05 04:02 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6403	14200.	2.986	72.01	140.5	-.3402
SDev	.0631	522.6	.8598	3.779	5.242	.0344
%RSD	9.85	3.68	28.79	5.248	3.73	10.11

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	126300.	-1.453	3.655	505.5	24.74	82750.
SDev	4370	.1561	.2005	19.46	1.477	3161
%RSD	3.46	10.74	5.486	3.849	5.972	3.82

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	919.8	24410.	25940.	-2.436	-157.5	7.790
SDev	45.62	921.8	969	.5167	143	.9
%RSD	4.959	3.776	3.736	21.21	90.81	11.55

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	11.83	-.1207	.9393	1.405	66.12	237.5
SDev	.8424	1.335	1.2	2.151	5.943	8.907
%RSD	7.122	1107	127.7	153.1	8.989	3.751

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32.37	9.856	12.81	-4.973	3.891	4.098
SDev	1.194	.7352	1.63	.2817	1.658	1.157
%RSD	3.688	7.459	12.72	5.664	42.61	28.23

Elems	1960/2	*Y
Units	PPB	
Avge	-2.227	15430.5
SDev	1.424	458.205
%RSD	63.95	2.96947

Method: TOTAL Sample Name: HE6V8/5 Operator: KLC
Run Time: 07/18/05 04:07 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2640	16970.	18.33	127.3	74.48	1.003
SDev	.066	54.62	.5507	1.271	.2966	.0043
%RSD	25	.3219	3.004	.9984	.3983	.4251

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	381500.	-.6891	10.12	197.7	29.79	80560.
SDev	1127	.136	.0809	.8783	.2274	322.1
%RSD	.2953	19.74	.7994	.4442	.7631	.3999

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	596.9	20130.	3782.	3.208	133.5	31.24
SDev	16.43	85.92	13.33	.2799	24.89	.0128
%RSD	2.753	.4268	.3526	8.725	18.64	.0411

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	82.02	2.500	2.037	11.38	13.12	127.0
SDev	.3157	1.29	2.311	.8334	3.304	.3364
%RSD	.3849	51.59	113.5	7.324	25.19	.265

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	155.8	79.13	83.46	-1.672	3.889	2.126
SDev	.3475	.2647	.6054	.0676	3.432	.2427
%RSD	.2231	.3345	.7254	4.042	88.25	11.42

Elems	1960/2	*Y
Units	PPB	
Avge	2.687	15444.5
SDev	1.813	41.0122
%RSD	67.46	.26554

Method: TOTAL Sample Name: HE6WD/5 Operator: KLC
Run Time: 07/18/05 04:12 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4023	12730.	14.41	102.3	52.98	.3343
SDev	.2068	18.31	1.706	.8944	.2047	.0151
%RSD	51.39	.1439	11.84	.8741	.3863	4.523

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	289500.	-.6924	8.082	141.9	19.02	65960.
SDev	318.8	.0042	.054	.0066	.274	52.7
%RSD	.1101	.6099	.6676	.0047	1.441	.0799

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	322.7	13340.	3198.	2.024	-52.52	26.20
SDev	7.801	1.132	3.637	.1319	93.48	.1229
%RSD	2.417	.0085	.1137	6.518	178	.4691

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	63.58	1.614	3.534	7.579	8.863	95.92
SDev	.2498	2.785	.2995	.422	1.89	.0946
%RSD	.3929	172.5	8.475	5.568	21.32	.0987

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	171.3	59.65	65.55	-2.568	6.581	.3377
SDev	.0008	.8299	.0398	1.972	1.433	2.058
%RSD	.0005	1.391	.0607	76.79	21.78	609.3

Elems	1960/2	*Y
Units	PPB	
Avge	2.251	15533.5
SDev	3.148	2.12132
%RSD	139.8	.01365

Method: TOTAL Sample Name: HE6WF/5 Operator: KLC
Run Time: 07/18/05 04:17 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0695	19680.	19.90	136.9	170.4	1.672
SDev	.1386	9.087	1.527	.1036	.2918	.0149
%RSD	199.3	.0462	7.673	.0757	.1712	.8933

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	312100.	.9778	20.80	410.4	102.6	130000.
SDev	266.7	.0407	.1601	.3604	.4895	205.2
%RSD	.0855	4.166	.7696	.0878	.477	.1579

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2278.	25730.	10770.	24.41	954.9	124.5
SDev	18.63	28.6	12.44	.3104	18.78	.4391
%RSD	.8179	.1112	.1154	1.271	1.966	.3526

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	154.7	-.9018	5.088	11.72	32.25	106.1
SDev	.544	.245	.7965	.6573	.7364	.3434
%RSD	.3517	27.17	15.66	5.61	2.283	.3235

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	813.4	147.8	158.1	-.4313	7.844	.0705
SDev	.7869	.8707	.3809	2.538	.0727	.7659
%RSD	.0967	.5892	.2409	588.3	.9268	1086

Elems	1960/2	*Y
Units	PPB	
Avge	-1.387	15585
SDev	.7497	1.41421
%RSD	54.04	.00907

Method: TOTAL Sample Name: HE6WH/10 Operator: KLC
Run Time: 07/18/05 04:23 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1506	572.3	14.11	33.39	58.38	.1015
SDev	.196	2.914	1.358	.023	.0004	.0016
%RSD	130.1	.5092	9.619	.0689	.0007	1.576

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13400.	-7.978	9.583	311.4	120.3	365500.
SDev	5.575	.0372	.1268	.1385	.1935	140.8
%RSD	.0416	.4666	1.323	.0445	.1608	.0385

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	66.35	344.1	1363.	51.31	-487.9	190.9
SDev	12.45	.9524	.1834	.2976	49.3	.4223
%RSD	18.77	.2768	.0135	.5801	10.1	.2212

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.990	-6.777	11.07	23.02	4.121	15.94
SDev	.4772	2.752	1.488	.5504	3.56	.0573
%RSD	6.827	40.61	13.44	2.391	86.39	.3593

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	38.86	11.60	4.688	.8844	16.15	-12.44
SDev	.1525	.5343	.4486	.4574	2.459	2.742
%RSD	.3925	4.606	9.57	51.72	15.23	22.05

Elems	1960/2	*Y
Units	PPB	
Avge	-3.951	15533.5
SDev	2.757	35.3553
%RSD	69.78	.2276

Method: TOTAL Sample Name: HE6WK Operator: KLC
Run Time: 07/18/05 04:28 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.009	36410.	148.8	291.3	188.3	1.716
SDev	.3857	2125	9.421	17.6	10.93	.1502
%RSD	38.22	5.835	6.33	6.043	5.801	8.755

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H623200.	-41.46	87.01	1953.	1027.	H2671e3
SDev	21900	2.649	5.524	114.3	60.22	158700
%RSD	3.514	6.388	6.348	5.852	5.863	5.943

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2890.	14510.	11070.	317.1	-395.2	1305.
SDev	145.1	829.9	632.1	20.11	60.96	74.92
%RSD	5.02	5.721	5.708	6.342	15.43	5.74

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	196.5	-56.14	84.88	143.3	32.81	155.0
SDev	8.977	3.212	3.891	10.55	.778	8.748
%RSD	4.569	5.721	4.585	7.361	2.371	5.645

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	597.8	220.8	184.4	11.10	121.7	-114.1
SDev	33.86	11.9	7.519	5.044	3.316	4.018
%RSD	5.665	5.388	4.078	45.43	2.724	3.52

Elems	1960/2	*Y
Units	PPB	
Avge	-27.19	14348
SDev	6.822	726.199
%RSD	25.09	5.06132

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 04:35 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1041.	26330.	543.2	5194.	2132.	2151.
SDev	1.769	101.7	2.441	13.45	2.949	1.619
%RSD	.1699	.3861	.4493	.2589	.1383	.0753

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52980.	528.3	2148.	2090.	2104.	26840.
SDev	22.02	.4614	.7945	1.635	5.963	31.25
%RSD	.0416	.0873	.037	.0782	.2833	.1164

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q55400.	52210.	2116.	2204.	51470.	2164.
SDev	152.5	81.54	1.177	1.148	336.9	.4532
%RSD	.2753	.1562	.0556	.0521	.6546	.0209

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	528.2	526.2	531.4	5235.	1034.	2046.
SDev	.7497	.5579	2.814	2.242	.9959	2.698
%RSD	.1419	.106	.5296	.0428	.0963	.1319

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2116.	499.8	542.3	507.4	543.3	508.2
SDev	2.811	.3915	.9285	1.56	3.441	5.437
%RSD	.1329	.0783	.1712	.3074	.6333	1.07

Elems	1960/2	*Y
Units	PPB	
Avge	535.2	15530.5
SDev	3.551	0
%RSD	.6634	0

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 04:43 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3228	39.26	-.7097	16.98	.0086	.1595
SDev	.1189	.8614	.7034	3.198	.0766	.0149
%RSD	36.83	2.194	99.11	18.84	893.5	9.366

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-2.786	-.0178	.0033	-.1632	-2.841	85.32
SDev	.132	.1206	.3693	.5511	.108	3.188
%RSD	4.738	676.2	11340	337.7	3.802	3.736

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.411	1.176	.7770	-.2617	-247.9	.1299
SDev	4.224	.0155	.0992	.3522	98.06	.5464
%RSD	299.2	1.315	12.77	134.6	39.55	420.5

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8492	2.597	-.1407	1.383	-.4474	-.0061
SDev	.4152	.119	2.314	.6148	1.017	.1184
%RSD	48.89	4.582	1645	44.46	227.4	1925

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1385	-1.794	-.3775	-1.554	.5647	4.703
SDev	.0123	.0838	.5806	1.393	2.774	.8183
%RSD	8.87	4.671	153.8	89.68	491.2	17.4

Elems	1960/2	*Y
Units	PPB	
Avge	1.546	15597.8
SDev	.2302	4.59619
%RSD	14.89	.02946

Method: TOTAL Sample Name: HE6WK/5 Operator: KLC
Run Time: 07/18/05 04:48 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3456	7027.	27.44	92.57	36.01	.5084
SDev	.109	2.416	.9581	.464	.0499	.0059
%RSD	31.55	.0344	3.491	.5012	.1386	1.153

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	199500.	-10.54	16.97	391.7	186.8	517000.
SDev	221.3	.143	.0832	.3351	.0855	864.7
%RSD	.1109	1.357	.4901	.0856	.0458	.1673

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	509.0	3011.	2265.	60.89	-322.4	270.4
SDev	.7589	6.936	1.795	.5973	21.5	.1786
%RSD	.1491	.2303	.0793	.9809	6.67	.0661

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41.34	-10.96	18.32	31.13	5.807	30.27
SDev	.8214	1.756	.3574	.7035	2.251	.0673
%RSD	1.987	16.02	1.951	2.26	38.76	.2225

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	116.2	43.98	40.02	1.094	26.92	-22.50
SDev	.2237	.18	1.142	4.456	2.76	3.876
%RSD	.1924	.4092	2.853	407.1	10.25	17.23

Elems	1960/2	*Y
Units	PPB	
Avge	-5.197	15432.8
SDev	.6974	27.9307
%RSD	13.42	.18098

Method: TOTAL Sample Name: HE6WKD/10 Operator: KLC
Run Time: 07/18/05 04:54 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.161	3221.	168.3	131.2	169.3	4.055
SDev	.0144	55.35	3.289	1.597	2.738	.0814
%RSD	.3466	1.718	1.954	1.217	1.618	2.008

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	83840.	-3.236	48.13	249.3	140.9	322400.
SDev	1308	.1825	.9038	4.715	3.022	5409
%RSD	1.56	5.64	1.878	1.891	2.145	1.678

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4313.	5196.	1521.	110.8	3702.	209.8
SDev	56.47	77.94	24.48	2.799	170.8	4.138
%RSD	1.31	1.5	1.609	2.527	4.613	1.972

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	58.08	138.0	42.34	165.9	144.8	51.79
SDev	.1443	4.574	.9257	2.204	2.156	.9976
%RSD	.2485	3.315	2.186	1.329	1.489	1.926

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	112.9	60.39	56.93	34.25	46.38	126.0
SDev	1.803	2.357	1.393	.9706	1.872	5.551
%RSD	1.597	3.904	2.447	2.833	4.037	4.407

Elems	1960/2	*Y
Units	PPB	
Avge	144.0	15355
SDev	4.086	205.061
%RSD	2.838	1.33546

Method: TOTAL Sample Name: HFAF5/5 Operator: KLC
Run Time: 07/18/05 04:59 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0833	2281.	19.18	34.64	110.6	-7.824
SDev	.3422	3.919	.688	.3451	.1234	.0119
%RSD	410.9	.1718	3.587	.9963	.1116	.1522

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	13650.	.2000	10.30	60.05	4.018	16210.
SDev	3.806	.0975	.3088	.393	.047	17.95
%RSD	.0279	48.76	2.998	.6544	1.169	.1108

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	209.0	1469.	1183.	10.03	-1044.	6.851
SDev	25.41	2.587	.9928	.6475	272.2	.2318
%RSD	12.16	.176	.0839	6.458	26.06	3.383

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	232.0	2.397	10.25	1.311	2.399	86.71
SDev	.2417	.2398	1.062	.291	1.928	.311
%RSD	.1042	10.01	10.36	22.19	80.38	.3586

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	97.74	219.7	238.1	1.169	14.79	3.641
SDev	.0472	1.834	1.278	1.386	2.284	3.31
%RSD	.0483	.8346	.5366	118.5	15.45	90.91

Elems	1960/2	*Y
Units	PPB	
Avge	1.776	15760.8
SDev	2.012	6.71751
%RSD	113.3	.04262

Method: TOTAL Sample Name: HFAF5L/25 Operator: KLC
Run Time: 07/18/05 05:04 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2597	609.0	4.099	37.73	22.75	-1.433
SDev	.1069	.0899	1.661	.6599	.0787	.0088
%RSD	41.17	.0148	40.53	1.749	.3458	.6145

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2975.	.1516	2.111	11.82	-1.356	3317.
SDev	.4747	.1366	.2111	.0056	.1831	6.044
%RSD	.016	90.14	9.999	.0478	13.5	.1822

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	35.62	303.6	240.5	1.906	-573.1	.9357
SDev	8.056	2.245	.1678	.5713	211.6	.1435
%RSD	22.62	.7394	.0698	29.97	36.93	15.33

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	47.43	.5994	2.938	.8632	1.015	17.59
SDev	.5501	2.624	1.281	.5612	4.143	.4259
%RSD	1.16	437.8	43.59	65.01	408.1	2.422

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	22.03	45.44	48.43	-1.171	4.989	2.173
SDev	.0202	2.014	.1809	.6879	1.577	2.595
%RSD	.0918	4.433	.3736	58.76	31.6	119.4

Elems	1960/2	*Y
Units	PPB	
Avge	-.1865	15760.2
SDev	2.638	23.6881
%RSD	1415	.1503

Method: TOTAL Sample Name: HFGKEB 5195290 Operator: KLC
Run Time: 07/18/05 05:12 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2391	16.46	-.7825	-1.588	.3001	.1757
SDev	.2147	2.296	.446	.0707	.0744	.0165
%RSD	89.77	13.95	57	4.45	24.78	9.368

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	32.67	-.0086	-.0309	.4328	-1.861	65.44
SDev	.3015	.0324	.3151	.0734	.1437	11.22
%RSD	.9228	377.2	1020	16.96	7.719	17.15

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	38.62	12.73	1.353	-.6123	67.48	.8414
SDev	4.238	.9186	.127	.1287	78.79	.0915
%RSD	10.97	7.216	9.38	21.02	116.7	10.88

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1775	1.985	-1.228	32.97	3.158	-.0095
SDev	.5391	.8807	1.307	.9533	2.508	.2781
%RSD	303.8	44.36	106.4	2.891	79.43	2929

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.274	.4423	.0453	-2.010	-.8378	5.824
SDev	.0358	.0096	.8035	.4873	2.203	1.138
%RSD	1.093	2.166	1774	24.24	263	19.53

Elems	1960/2	*Y
Units	PPB	
Avge	.0688	15703.2
SDev	1.888	28.6378
%RSD	2744	.18236

Method: TOTAL Sample Name: HFGKEC Operator: KLC
Run Time: 07/18/05 05:17 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54.21	2011.	1986.	897.3	1956.	49.63
SDev	.4726	4.502	.6368	2.384	.2112	.0314
%RSD	.8718	.2238	.0321	.2657	.0108	.0634

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	49730.	49.25	495.0	197.8	249.4	1119.
SDev	20.31	.1067	.4508	.004	.4877	5.314
%RSD	.0408	.2166	.0911	.002	.1956	.475

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51390.	47390.	493.2	1007.	47240.	506.6
SDev	74.51	20.16	.3858	2.996	198.9	.4464
%RSD	.145	.0425	.0782	.2974	.4211	.0881

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	486.2	1920.	487.9	1953.	1861.	472.1
SDev	.9435	3.884	1.491	.7182	8.632	.0791
%RSD	.1941	.2023	.3056	.0368	.4638	.0168

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	494.7	467.6	495.4	472.6	495.5	1817.
SDev	.2249	.5999	1.115	.0927	2.282	5.463
%RSD	.0455	.1283	.2251	.0196	.4605	.3006

Elems	1960/2	*Y
Units	PPB	
Avge	1971.	15341.5
SDev	3.095	33.9411
%RSD	.1571	.22123

Method: TOTAL Sample Name: HET16 Operator: KLC
Run Time: 07/18/05 05:23 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.993	43880.	12.24	315.3	2456.	-27.56
SDev	.3134	10.88	3.85	.8629	.2163	.1945
%RSD	3.485	.0248	31.45	.2737	.0088	.7057

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H632600.	-16.44	34.49	6683.	70.50	H1141e3
SDev	705.4	.2059	.2207	1.623	.27	94.66
%RSD	.1115	1.253	.6399	.0243	.3829	.0083

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1032.	199700.	H116500.	138.6	-1820.	20.29
SDev	3.565	35.75	158.9	.2295	76	.6298
%RSD	.3454	.0179	.1364	.1656	4.175	3.104

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36.62	-6.376	24.75	-28.51	28.96	3828.
SDev	1.596	.1235	2.058	2.924	7.004	.617
%RSD	4.358	1.937	8.313	10.26	24.19	.0161

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	46.46	42.77	33.54	-34.06	54.11	-10.97
SDev	.143	.3052	2.24	.4913	2.84	.2496
%RSD	.3078	.7136	6.678	1.442	5.247	2.275

Elems	1960/2	*Y
Units	PPB	
Avge	-4.081	14927.8
SDev	.0606	24.3952
%RSD	1.484	.16342

Method: TOTAL Sample Name: HET16S/5 Operator: KLC
Run Time: 07/18/05 05:28 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.399	5617.	373.1	258.3	785.4	4.235
SDev	.0727	56.57	1.67	1.437	7.029	.0319
%RSD	.7737	1.007	.4475	.5561	.8949	.7536

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	441200.	4.464	96.61	1461.	55.95	213500.
SDev	2982	.1296	.6569	13.73	.891	1872
%RSD	.676	2.902	.68	.9399	1.592	.8767

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10360.	47770.	H34230.	212.4	8667.	95.92
SDev	51.26	396.9	294.1	.7157	106.6	.3151
%RSD	.495	.8308	.8591	.337	1.23	.3285

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	98.59	360.3	82.47	345.1	434.3	830.3
SDev	2.398	5.768	3.965	3.771	2.573	7.441
%RSD	2.432	1.601	4.807	1.093	.5925	.8963

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	99.68	94.05	100.9	67.82	89.78	337.1
SDev	.9276	1.005	3.094	1.947	4.972	3.219
%RSD	.9305	1.068	3.067	2.87	5.538	.9551

Elems	1960/2	*Y
Units	PPB	
Avge	372.0	15273.2
SDev	10.25	95.813
%RSD	2.757	.62732

Method: TOTAL Sample Name: HET16D/5 Operator: KLC
Run Time: 07/18/05 05:33 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.45	4577.	389.4	253.3	760.7	4.104
SDev	.3859	.2061	.6885	.7875	.3811	.0194
%RSD	3.693	.0045	.1768	.3109	.0501	.4716

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	422800.	1.779	101.5	1324.	66.04	349500.
SDev	243.7	.065	.1925	.1147	.2372	5.568
%RSD	.0576	3.656	.1896	.0087	.3592	.0016

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10660.	53260.	H36090.	213.1	8744.	102.6
SDev	5.141	10.36	4.287	.9909	4.619	.4758
%RSD	.0482	.0194	.0119	.4649	.0528	.4639

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	96.80	363.7	88.18	350.9	447.7	785.9
SDev	.0982	1.603	1.448	.1286	1.34	1.778
%RSD	.1014	.4406	1.642	.0366	.2994	.2262

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	108.5	97.51	96.45	70.18	97.17	341.0
SDev	.1507	1.606	.6546	.5181	1.912	3.331
%RSD	.139	1.647	.6787	.7383	1.968	.9767

Elems	1960/2	*Y
Units	PPB	
Avge	375.1	15218
SDev	.7398	12.7279
%RSD	.1972	.08363

Method: TOTAL Sample Name: HET2E Operator: KLC
Run Time: 07/18/05 05:39 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.928	55550.	15.64	349.7	583.0	-16.30
SDev	.2612	97.18	.1261	.3482	.049	.0732
%RSD	4.406	.175	.806	.0996	.0084	.4491

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H625800.	-14.76	30.77	7493.	152.5	H1022e3
SDev	522.2	.1564	.0903	8.963	.3669	687.6
%RSD	.0834	1.059	.2935	.1196	.2407	.0673

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2655.	216600.	H106000.	304.4	130.5	34.88
SDev	10.99	296.6	124.5	.2777	26.72	1.113
%RSD	.414	.1369	.1175	.0912	20.47	3.192

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	92.92	-19.62	15.63	-10.74	94.23	3265.
SDev	.2195	.0698	.6803	.7095	5.346	2.226
%RSD	.2362	.3555	4.353	6.606	5.673	.0682

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	188.9	89.42	94.68	-37.53	42.17	-21.09
SDev	.297	1.117	.2289	2.864	.4099	5.124
%RSD	.1572	1.25	.2417	7.631	.9721	24.3

Elems	1960/2	*Y
Units	PPB	
Avge	-18.89	15071.5
SDev	2.453	17.6777
%RSD	12.99	.11729

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 05:47 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1066.	26730.	Q559.2	5296.	2178.	2200.
SDev	1.392	49.04	.7857	16.06	.0965	1.166
%RSD	.1307	.1835	.1405	.3033	.0044	.053

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53670.	538.6	2187.	2126.	2136.	27390.
SDev	34.78	.1395	2.992	1.087	1.169	20.26
%RSD	.0648	.0259	.1368	.0511	.0547	.074

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q57000.	52840.	2158.	Q2259.	52280.	Q2226.
SDev	40.58	58.56	2.287	2.931	51.73	.8078
%RSD	.0712	.1108	.106	.1297	.099	.0363

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	540.3	537.2	542.2	5343.	1049.	2068.
SDev	.824	3.465	.6179	2.504	3.607	1.416
%RSD	.1525	.645	.114	.0469	.3439	.0685

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2158.	505.5	557.7	517.6	554.5	512.5
SDev	.8129	1.938	.2678	2.335	.2396	1.577
%RSD	.0377	.3834	.048	.4512	.0432	.3077

Elems	1960/2	*Y
Units	PPB	
Avge	549.6	15376.5
SDev	4.408	24.0416
%RSD	.8021	.15635

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 05:55 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1778	36.42	.5162	17.78	.0122	.2253
SDev	.8036	3.977	1.416	4.144	.0382	.0035
%RSD	452	10.92	274.3	23.31	314.2	1.538

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-8.923	.0168	.2259	.0612	-3.655	62.03
SDev	.3465	.1306	.2648	.1672	.2181	9.763
%RSD	3.883	779.7	117.2	273	5.966	15.74

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-5.247	1.434	Q5.580	.2771	-195.0	-.4736
SDev	15.63	.4876	.3872	.6617	191.5	.1669
%RSD	298	33.99	6.939	238.8	98.17	35.25

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3824	1.684	-.0991	2.278	-.9727	-.1432
SDev	.9623	3.474	1.365	1.235	3.12	.238
%RSD	251.6	206.3	1377	54.23	320.7	166.2

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1777	.4034	-.7748	-1.150	.4253	3.330
SDev	.0315	.505	1.191	.561	1.766	4.276
%RSD	17.75	125.2	153.7	48.8	415.3	128.4

Elems	1960/2	*Y
Units	PPB	
Avge	.8621	15521.5
SDev	3.073	7.07106
%RSD	356.4	.04555

Method: TOTAL Sample Name: HET2J Operator: KLC
Run Time: 07/18/05 06:00 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8304	88620.	57.72	463.3	1103.	15.42
SDev	.175	203	.2528	.5388	2.768	.073
%RSD	21.07	.2291	.4381	.1163	.2509	.4736

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	365400.	-3.363	48.57	223.1	615.7	339300.
SDev	647.5	.3332	.3509	.9346	.8191	1371
%RSD	.1772	9.906	.7225	.4189	.133	.4039

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8679.	33660.	14510.	46.12	6050.	323.2
SDev	19.04	154.4	66.74	.583	63.35	1.216
%RSD	.2194	.4587	.4601	1.264	1.047	.3762

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	624.3	-4.111	44.42	88.62	45.89	110.6
SDev	3.746	4.547	1.382	.7597	2.971	1.021
%RSD	.6001	110.6	3.111	.8572	6.474	.9235

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	952.9	583.5	644.6	28.45	52.39	-8.897
SDev	3.623	3.311	3.963	.3387	2.241	6.057
%RSD	.3803	.5675	.6148	1.19	4.277	68.08

Elems	1960/2	*Y
Units	PPB	
Avge	-1.722	15870
SDev	3.792	149.907
%RSD	220.2	.94459

Method: TOTAL Sample Name: HET2L Operator: KLC
Run Time: 07/18/05 06:05 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.9931	11380.	10.24	57.59	49.04	1.012
SDev	.4656	13.05	1.323	1.042	.0975	.0152
%RSD	46.88	.1147	12.92	1.81	.1987	1.498

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H641300.	.0560	5.899	21.52	17.68	9195.
SDev	849.2	.0072	.1217	.0769	.1782	13.16
%RSD	.1324	12.89	2.063	.3574	1.008	.1431

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	927.4	15990.	584.5	5.655	852.5	46.53
SDev	9.074	12.47	.1135	.1074	15.89	.2176
%RSD	.9784	.078	.0194	1.899	1.865	.4676

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	466.3	6.073	17.96	23.50	.5595	43.54
SDev	1.553	1.496	.3348	.437	3.141	.0022
%RSD	.333	24.64	1.864	1.86	561.5	.0051

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	75.08	433.1	482.8	13.57	20.15	6.344
SDev	.0711	2.362	1.149	.9932	.0061	3.162
%RSD	.0947	.5454	.2379	7.32	.0302	49.84

Elems	1960/2	*Y
Units	PPB	
Avge	5.938	14803.5
SDev	.6648	28.9914
%RSD	11.19	.19584

Method: TOTAL Sample Name: HET2Q Operator: KLC
Run Time: 07/18/05 06:10 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0682	60610.	42.93	560.3	324.7	1.955
SDev	.2307	85.02	1.947	1.879	.6338	.0047
%RSD	338.1	.1403	4.536	.3353	.1952	.2403

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H616700.	2.626	35.11	81.57	80.07	31220.
SDev	1078	.084	.3593	.1818	.306	39.28
%RSD	.1748	3.2	1.023	.2229	.3821	.1258

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14460.	26340.	572.5	16.42	8913.	105.0
SDev	13.85	36.87	.1038	.0042	111.4	.5462
%RSD	.0958	.14	.0181	.0257	1.249	.5204

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	180.8	13.20	5.800	8.894	6.109	138.2
SDev	1.379	3.231	.2966	.0444	.746	.2081
%RSD	.763	24.47	5.114	.4988	12.21	.1505

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	392.9	160.1	191.1	.2495	8.572	10.74
SDev	.7953	.2312	1.952	1.484	.2961	.5213
%RSD	.2024	.1444	1.022	594.8	3.454	4.853

Elems	1960/2	*Y
Units	PPB	
Avge	14.44	15392
SDev	4.584	41.0122
%RSD	31.76	.26645

Method: TOTAL Sample Name: HET2V Operator: KLC
Run Time: 07/18/05 06:16 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4719	108500.	70.45	1242.	394.3	2.436
SDev	.0138	225.6	.5595	.3886	.9048	.0264
%RSD	2.927	.208	.7942	.0313	.2294	1.082

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H618100.	5.040	65.63	168.8	142.8	62720.
SDev	1500	.0499	.4477	.7651	.5026	129.2
%RSD	.2427	.9897	.6821	.4532	.352	.206

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6150.	38710.	1023.	32.45	2677.	187.1
SDev	2.315	62.31	2.194	.6149	41.26	.14
%RSD	.0376	.161	.2145	1.895	1.541	.0748

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	263.0	22.08	8.580	2.871	6.452	252.5
SDev	.613	.8041	.2383	.0558	.9011	.4205
%RSD	.233	3.641	2.777	1.942	13.97	.1665

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	785.3	236.8	276.1	2.160	11.79	20.21
SDev	1.272	.1613	.8385	2.089	1.4	2.721
%RSD	.162	.0681	.3037	96.68	11.88	13.46

Elems	1960/2	*Y
Units	PPB	
Avge	23.02	15326.2
SDev	.1527	54.8008
%RSD	.6632	.35756

Method: TOTAL Sample Name: HET22 Operator: KLC
Run Time: 07/18/05 06:21 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.978	71240.	16.71	418.0	573.0	-12.75
SDev	.2876	172	.5233	.8256	.3602	.1416
%RSD	7.23	.2415	3.132	.1975	.0629	1.11

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H623600.	-15.01	36.78	4990.	212.2	H860800.
SDev	334.4	.1555	.1382	.1543	.5695	99.26
%RSD	.0536	1.036	.3757	.0031	.2684	.0115

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2821.	264000.	H101400.	325.4	1003.	235.1
SDev	1.883	102.6	15.56	.7438	33.8	.3966
%RSD	.0667	.0389	.0153	.2286	3.37	.1687

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	136.1	-15.09	18.04	-3.767	148.7	3019.
SDev	.7184	3.756	2.867	.2834	2.054	.2731
%RSD	.528	24.89	15.89	7.523	1.381	.009

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	319.7	126.0	141.1	-28.33	41.19	-28.72
SDev	.4833	.619	1.386	2.951	2.825	1.694
%RSD	.1512	.4915	.9822	10.42	6.858	5.898

Elems	1960/2	*Y
Units	PPB	
Avge	-8.288	14963.2
SDev	4.785	10.9602
%RSD	57.73	.07324

Method: TOTAL Sample Name: HET26 Operator: KLC
Run Time: 07/18/05 06:26 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9.242	34540.	14.72	368.2	2635.	-29.18
SDev	.4221	32.76	.9478	.0896	3.11	.0923
%RSD	4.567	.0949	6.438	.0243	.118	.3163

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H632600.	-22.28	36.35	7242.	112.0	H1323e3
SDev	409.3	.0379	.0814	13.87	.1391	1925
%RSD	.0647	.1699	.2239	.1916	.1242	.1455

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	933.7	228200.	H120800.	147.2	-1782.	29.44
SDev	.9895	345.5	174.3	.7507	37.77	.7699
%RSD	.106	.1514	.1443	.5099	2.119	2.615

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	44.71	-11.02	27.81	-27.54	27.03	4383.
SDev	1.79	1.419	.3555	.1005	6.22	4.773
%RSD	4.002	12.88	1.278	.3648	23.01	.1089

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	101.6	51.91	41.12	-41.30	62.31	-26.94
SDev	.2354	1.133	2.117	3.357	1.143	2.437
%RSD	.2316	2.183	5.149	8.127	1.834	9.045

Elems	1960/2	*Y
Units	PPB	
Avge	-3.070	14965.2
SDev	3.344	10.9602
%RSD	108.9	.07323

Method: TOTAL Sample Name: HET29 Operator: KLC
Run Time: 07/18/05 06:31 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.3406	158300.	25.44	393.5	1872.	31.28
SDev	.0167	454.1	1.93	.1561	6.639	.0317
%RSD	4.892	.2869	7.586	.0397	.3546	.1014

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H577000.	-9.050	22.07	1851.	97.77	517800.
SDev	778.8	.0672	.377	7.825	.1119	2116
%RSD	.135	.7429	1.708	.4228	.1145	.4088

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12780.	285800.	H49390.	22.82	6063.	56.76
SDev	25.77	1327	189.5	.0873	40.17	.2619
%RSD	.2017	.4642	.3837	.3824	.6625	.4614

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	158.9	-2.522	12.99	3.576	143.8	994.3
SDev	.3095	2.671	.8184	.6962	.5191	3.703
%RSD	.1948	105.9	6.302	19.47	.361	.3724

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	437.4	130.5	173.1	-14.30	26.61	-7.876
SDev	1.526	.8454	.042	3.302	.4218	1.513
%RSD	.3488	.6478	.0242	23.09	1.585	19.21

Elems	1960/2	*Y
Units	PPB	
Avge	.1511	16665.8
SDev	3.249	24.3952
%RSD	2150	.14637

Method: TOTAL Sample Name: HET3D Operator: KLC
Run Time: 07/18/05 06:37 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2653	171400.	26.74	321.2	1658.	15.57
SDev	.0273	215.4	.7423	.4147	1.156	.0036
%RSD	10.31	.1257	2.775	.1291	.0697	.0233

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H572800.	-9.213	32.63	3412.	195.8	551200.
SDev	7.557	.0901	.1987	3.536	.3641	341.4
%RSD	.0013	.9775	.6089	.1036	.186	.0619

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	12790.	207500.	H84070.	29.65	3671.	297.1
SDev	4.164	236.6	21.14	2.399	66.47	1.207
%RSD	.0326	.114	.0251	8.091	1.81	.406

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	178.8	8.675	7.444	7.448	161.9	1032.
SDev	.8835	.3449	.7157	.0742	7.639	.5439
%RSD	.4941	3.976	9.615	.9961	4.717	.0527

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	397.7	145.2	195.6	-20.51	21.40	8.668
SDev	.1558	1.806	.4229	2.306	2.224	1.649
%RSD	.0392	1.244	.2163	11.24	10.39	19.02

Elems	1960/2	*Y
Units	PPB	
Avge	8.679	16577
SDev	1.34	0
%RSD	15.44	0

Method: TOTAL Sample Name: HET3G Operator: KLC
Run Time: 07/18/05 06:42 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2.795	137300.	38.37	374.5	1368.	4.419
SDev	.1712	25.12	.1237	.2247	.3	.003
%RSD	6.125	.0183	.3223	.06	.0219	.0679

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H600800.	-11.22	40.68	4638.	239.4	H858700.
SDev	2172	.0131	.1587	3.421	.1504	835.4
%RSD	.3615	.1163	.39	.0738	.0628	.0973

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10570.	258800.	H94040.	63.66	2618.	158.7
SDev	30.79	288.4	299.4	1.129	45.07	.4497
%RSD	.2913	.1114	.3184	1.773	1.722	.2833

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	369.3	-9.082	15.33	8.695	158.8	1897.
SDev	1.019	3.549	1.503	3.359	4.326	.2292
%RSD	.276	39.08	9.809	38.63	2.724	.0121

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1142.	336.6	385.7	-28.14	37.03	-16.72
SDev	1.232	2.088	2.571	.0204	2.243	4.156
%RSD	.1079	.6203	.6666	.0727	6.059	24.86

Elems	1960/2	*Y
Units	PPB	
Avge	-5.269	15656
SDev	3.246	81.3173
%RSD	61.6	.5194

Method: TOTAL Sample Name: HET3J Operator: KLC
Run Time: 07/18/05 06:47 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	3.580	123100.	37.00	363.7	1328.	.3095
SDev	.4632	24.32	.3379	.8611	.7906	.0067
%RSD	12.94	.0198	.9131	.2367	.0595	2.164

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H606800.	-5.592	33.09	5581.	159.7	591400.
SDev	245.7	.0916	.1327	4.162	.1928	356.2
%RSD	.0405	1.638	.4009	.0746	.1208	.0602

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	9183.	223100.	H108000.	106.4	1798.	103.5
SDev	10.73	67.15	21.46	.4827	15.16	.3685
%RSD	.1168	.0301	.0199	.4537	.8433	.356

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	517.3	7.585	4.321	11.66	129.9	1499.
SDev	1.5	1.469	.849	2.452	5.043	.3475
%RSD	.29	19.37	19.65	21.03	3.881	.0232

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1091.	468.0	541.9	-29.32	21.12	3.662
SDev	.2646	.7851	2.641	.5361	1.005	4.014
%RSD	.0243	.1678	.4873	1.828	4.76	109.6

Elems	1960/2	*Y
Units	PPB	
Avge	9.543	15560.2
SDev	4.207	12.3744
%RSD	44.08	.07952

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 06:55 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1080.	26880.	Q569.1	5346.	2209.	Q2211.
SDev	.3704	39.49	.8617	24.31	2.482	.8034
%RSD	.0343	.1469	.1514	.4547	.1123	.0363

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53360.	541.2	2198.	2127.	2150.	27460.
SDev	12.14	.3488	.0872	.7413	4.843	.645
%RSD	.0228	.0644	.004	.0349	.2252	.0023

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q58910.	52260.	2173.	Q2296.	52860.	Q2271.
SDev	64.21	20.5	.3743	3.972	178.4	3.947
%RSD	.109	.0392	.0172	.173	.3375	.1738

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	547.7	548.0	547.0	5360.	1034.	2056.
SDev	.071	.67	.1106	8.92	.059	.7088
%RSD	.013	.1223	.0202	.1664	.0057	.0345

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2175.	499.1	571.9	517.3	561.9	512.1
SDev	.6217	1.411	.8109	1.466	.8978	.0075
%RSD	.0286	.2828	.1418	.2835	.1598	.0015

Elems	1960/2	*Y
Units	PPB	
Avge	565.9	15705.2
SDev	1.001	36.416
%RSD	.1768	.23187

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 07:02 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1208	39.90	-.1425	18.69	.1288	.4088
SDev	.2135	9.892	1.042	4.326	.0724	.0551
%RSD	176.8	24.79	731.1	23.15	56.2	13.48

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-7.408	-.0137	-.1938	.3671	-3.734	77.76
SDev	9.499	.0839	.1337	.1296	.3904	5.756
%RSD	128.2	613.1	68.97	35.31	10.45	7.402

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-2.520	-1.233	Q12.74	-.2697	-307.9	-.2044
SDev	7.019	3.867	.6192	.1967	82.95	.6441
%RSD	278.5	313.5	4.859	72.93	26.94	315.1

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1113	1.467	.9544	2.678	.7311	-.0578
SDev	.397	1.247	1.598	1.378	3.163	.0537
%RSD	356.8	84.99	167.4	51.47	432.6	93.04

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.0738	-.2201	.2767	-2.108	2.483	-.2585
SDev	.0821	1.784	.2954	2.276	1.26	.1692
%RSD	111.4	810.4	106.7	108	50.73	65.45

Elems	1960/2	*Y
Units	PPB	
Avge	2.328	15410.8
SDev	1.785	605.637
%RSD	76.65	3.92996

Method: TOTAL Sample Name: HET3M Operator: KLC
Run Time: 07/18/05 07:08 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.170	45770.	10.94	306.0	3308.	-25.91
SDev	.2093	75.32	.7143	.4487	2.803	.2208
%RSD	3.392	.1646	6.53	.1466	.0847	.852

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H626500.	-20.62	29.63	7619.	85.54	H1102e3
SDev	1043	.1794	.0363	1.998	.3875	438.9
%RSD	.1665	.8704	.1224	.0262	.453	.0398

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1114.	212500.	H113900.	96.51	-1692.	22.03
SDev	4.555	100.1	186	.108	29.51	1.834
%RSD	.4088	.0471	.1633	.112	1.744	8.325

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	40.29	-14.56	14.20	-17.28	100.0	4075.
SDev	1.143	1.818	.4602	.1418	1.427	.1298
%RSD	2.836	12.49	3.24	.8209	1.426	.0032

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	73.13	45.45	37.71	-47.36	44.94	-30.08
SDev	.1768	2.746	.3424	.8116	.2848	2.685
%RSD	.2418	6.04	.9082	1.713	.6337	8.929

Elems	1960/2	*Y
Units	PPB	
Avge	-6.811	15085.5
SDev	1.385	37.4766
%RSD	20.33	.24842

Method: TOTAL Sample Name: HET3R Operator: KLC
Run Time: 07/18/05 07:13 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.423	35160.	9.537	320.6	2879.	-25.24
SDev	.5592	54.51	1.13	.2606	.3679	.0682
%RSD	10.31	.155	11.85	.0813	.0128	.2702

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H622900.	-20.46	32.16	6632.	256.2	H1125e3
SDev	972.1	.341	.1229	3.163	.3228	467
%RSD	.1561	1.667	.3822	.0477	.126	.0415

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	771.3	272300.	H112300.	107.2	-2050.	54.22
SDev	2.415	135.3	208.8	1.272	137.1	.2168
%RSD	.3131	.0497	.186	1.186	6.688	.3998

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42.42	-22.02	21.46	-18.85	104.3	3851.
SDev	1.151	.9357	1.951	.6805	5.069	.0596
%RSD	2.713	4.25	9.093	3.61	4.861	.0015

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	81.13	43.49	41.88	-39.52	51.90	-35.21
SDev	.3173	.1184	1.666	4.272	.7921	5.881
%RSD	.391	.2723	3.978	10.81	1.526	16.7

Elems	1960/2	*Y
Units	PPB	
Avge	-15.43	15253.5
SDev	4.339	33.234
%RSD	28.13	.21787

Method: TOTAL Sample Name: HET3V Operator: KLC
Run Time: 07/18/05 07:18 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.232	21240.	5.069	258.5	1525.	-25.58
SDev	.0118	46.93	.6605	2.252	1.492	.0816
%RSD	.2265	.221	13.03	.8712	.0978	.3189

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H610000.	-19.67	28.22	6100.	85.75	H1028e3
SDev	1121	.0661	.0821	2.268	.2113	376.6
%RSD	.1838	.3363	.2909	.0372	.2464	.0366

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	294.0	216100.	H108400.	50.83	-1950.	18.17
SDev	1.547	28.72	97.49	.2506	17.53	.3972
%RSD	.5262	.0133	.0899	.493	.899	2.186

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	34.02	-15.35	15.66	-20.54	106.7	3499.
SDev	.0918	4.806	.9642	1.796	2.714	1.248
%RSD	.2698	31.31	6.156	8.743	2.543	.0357

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36.66	42.39	29.84	-38.38	42.65	-27.62
SDev	.1813	1.577	.9249	2.762	2.825	1.264
%RSD	.4945	3.72	3.1	7.196	6.623	4.575

Elems	1960/2	*Y
Units	PPB	
Avge	-9.222	15702.5
SDev	6.574	42.4264
%RSD	71.28	.27018

Method: TOTAL Sample Name: HET3X Operator: KLC
Run Time: 07/18/05 07:23 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.290	23240.	7.113	306.4	1632.	-27.71
SDev	.6189	27.38	1.08	2.33	.4304	.0677
%RSD	8.49	.1178	15.19	.7606	.0264	.2443

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H599800.	-18.25	28.56	6447.	171.5	H963200.
SDev	992.2	.0938	.0239	.4122	.2777	205
%RSD	.1654	.5137	.0837	.0064	.1619	.0213

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	395.3	182200.	H110100.	54.46	-1268.	12.52
SDev	3.261	71.21	97.22	.2781	36.21	.8157
%RSD	.8248	.0391	.0883	.5106	2.856	6.516

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	37.06	-7.820	15.98	-22.41	79.59	4306.
SDev	.9007	2.751	.303	1.047	1.769	2.407
%RSD	2.43	35.19	1.896	4.674	2.223	.0559

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.59	43.16	34.01	-38.47	43.16	-18.73
SDev	.309	.4706	1.585	1.681	.385	3.722
%RSD	.978	1.09	4.661	4.37	.8921	19.87

Elems	1960/2	*Y
Units	PPB	
Avge	-2.374	16137
SDev	2.267	43.1335
%RSD	95.51	.26729

Method: TOTAL Sample Name: HET30 Operator: KLC
Run Time: 07/18/05 07:29 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.758	26510.	9.264	310.1	1888.	-27.24
SDev	.2931	74.53	.0654	.2325	5.757	.0021
%RSD	5.09	.2811	.7059	.075	.3049	.0077

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H614600.	-20.62	33.22	6082.	76.87	H1065e3
SDev	1192	.0284	.2455	20.51	.1526	3554
%RSD	.1939	.1375	.7389	.3372	.1985	.3336

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	660.6	218000.	H112300.	313.9	-1704.	26.09
SDev	4.479	773.9	393.8	1.539	36.41	.1182
%RSD	.678	.355	.3506	.4902	2.137	.4533

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	38.30	-8.345	21.90	-23.04	102.7	3991.
SDev	.9025	5.956	1.158	2.518	4.092	15.15
%RSD	2.356	71.38	5.287	10.93	3.984	.3797

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	81.36	40.37	37.27	-39.46	52.53	-22.46
SDev	.175	2.324	.1929	3.059	3.263	.4927
%RSD	.2151	5.756	.5177	7.753	6.211	2.194

Elems	1960/2	*Y
Units	PPB	
Avge	-1.299	15472.2
SDev	9.176	40.6586
%RSD	706.5	.26278

Method: TOTAL Sample Name: HET30L Operator: KLC
Run Time: 07/18/05 07:34 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.306	5610.	.0832	98.47	393.9	-5.679
SDev	.0947	6.411	.1439	.8007	.5312	.0768
%RSD	7.25	.1143	172.9	.8131	.1348	1.353

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	452000.	-5.929	7.350	1339.	12.09	233200.
SDev	1021	.0135	.3637	1.482	.1236	331.7
%RSD	.226	.2278	4.948	.1107	1.023	.1422

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	117.1	47770.	H38040.	68.21	-590.2	5.656
SDev	6.555	92.53	40.89	.0379	40.96	.7123
%RSD	5.6	.1937	.1075	.0556	6.94	12.59

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.884	-4.536	4.708	-5.755	125.3	860.2
SDev	.9368	2.519	1.215	.4921	3.638	1.951
%RSD	11.88	55.52	25.81	8.55	2.904	.2268

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	14.03	9.106	7.274	-8.235	11.17	1.140
SDev	.1915	1.28	.7655	.3115	1.666	5.328
%RSD	1.364	14.06	10.52	3.783	14.92	467.3

Elems	1960/2	*Y
Units	PPB	
Avge	-7.370	15675.5
SDev	1.116	8.48528
%RSD	15.14	.05413

Method: TOTAL Sample Name: CRI/MRL Operator: KLC
Run Time: 07/18/05 07:43 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.797	198.2	15.07	189.4	10.54	5.595
SDev	.003	1.695	.3843	.0375	.0306	.0055
%RSD	.0616	.8554	2.551	.0198	.2906	.0988

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5013.	5.266	4.881	4.635	10.82	Q406.2
SDev	23.14	.0551	.4268	.1296	.2063	11.9
%RSD	.4617	1.046	8.744	2.797	1.906	2.931

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5743.	4957.	Q31.78	10.96	5086.	27.75
SDev	27.05	11.68	1.108	.2078	64.3	.7865
%RSD	.471	.2356	3.486	1.896	1.264	2.834

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	10.61	22.80	12.06	100.7	14.17	6.601
SDev	.2681	1.334	1.831	1.667	.9506	.0198
%RSD	2.526	5.852	15.18	1.654	6.707	.3006

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	42.86	9.728	11.06	10.19	12.99	21.88
SDev	.0521	.2975	.5505	1.138	2.177	1.274
%RSD	.1216	3.059	4.979	11.16	16.76	5.821

Elems	1960/2	*Y
Units	PPB	
Avge	23.25	15865
SDev	1.364	43.1335
%RSD	5.866	.27187

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 07:49 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1087.	27080.	Q573.0	5367.	Q2226.	Q2219.
SDev	.3982	15.03	1.409	14.85	.1352	1.821
%RSD	.0366	.0555	.2459	.2767	.0061	.0821

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	53430.	543.4	2209.	2133.	2161.	27590.
SDev	52.97	.5946	2.395	2.594	.6491	24.68
%RSD	.0991	.1094	.1084	.1216	.03	.0894

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	Q59540.	52190.	2185.	Q2311.	53200.	Q2292.
SDev	44.56	31	.9712	2.8	122	2.107
%RSD	.0749	.0594	.0444	.1212	.2292	.0919

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	551.8	Q552.9	551.3	5382.	1036.	2058.
SDev	.1963	.5659	.5506	5.139	7.762	1.487
%RSD	.0356	.1024	.0999	.0955	.7489	.0723

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2182.	500.5	577.4	521.4	566.3	512.1
SDev	1.194	1.119	.8532	1.627	.013	.5978
%RSD	.0547	.2237	.1478	.3121	.0023	.1167

Elems	1960/2	*Y
Units	PPB	
Avge	573.3	15704.5
SDev	1.147	43.8406
%RSD	.2001	.27915

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 07:56 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4372	32.94	-1.334	17.67	.0667	.4073
SDev	.0424	.8192	1.824	3.532	.0196	.003
%RSD	9.707	2.487	136.7	19.99	29.36	.7273

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-6.502	.0593	-.4695	-.1943	-3.980	90.72
SDev	7.623	.07	.2076	.3176	.3368	11.56
%RSD	117.2	118.2	44.22	163.4	8.464	12.74

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-4.712	-.9905	Q14.31	.1793	-270.1	.0202
SDev	4.312	.7569	.7678	.1286	42.84	.3044
%RSD	91.52	76.41	5.364	71.74	15.86	1504

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0625	2.833	1.755	.8599	-1.557	-.0924
SDev	.1011	.5462	.8135	.3916	1.469	.2372
%RSD	161.7	19.28	46.37	45.54	94.35	256.7

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0575	.1212	-.1542	.1553	2.553	5.148
SDev	.0106	.0239	.1396	.4826	.9788	2.516
%RSD	18.42	19.73	90.54	310.7	38.34	48.86

Elems	1960/2	*Y
Units	PPB	
Avge	1.678	15789
SDev	2.075	12.7279
%RSD	123.6	.08061

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 09:10 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	988.4	25880.	480.5	4956.	2030.	2051.
SDev	.8082	23.65	2.542	14.22	1.865	3.986
%RSD	.0818	.0914	.529	.287	.0918	.1944

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51460.	499.8	1951.	2046.	2079.	26560.
SDev	99.09	.6612	4.335	3.579	1.418	62.61
%RSD	.1925	.1323	.2221	.1749	.0682	.2358

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	52760.	52170.	1995.	1818.	50140.	1939.
SDev	24.73	84.94	3.019	.0647	72.07	.4096
%RSD	.0469	.1628	.1513	.0036	.1438	.0211

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	482.2	489.4	502.0	4909.	1025.	2046.
SDev	1.724	1.637	.4848	6.826	5.646	3.269
%RSD	.3574	.3346	.0966	.1391	.551	.1598

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2015.	497.2	474.8	500.4	502.8	506.7
SDev	2.272	.1803	2.494	.5031	.978	.0211
%RSD	.1128	.0363	.5254	.1005	.1945	.0042

Elems	1960/2	*Y
Units	PPB	
Avge	480.8	15893
SDev	2.465	48.7904
%RSD	.5128	.30699

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 09:17 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2329	7.794	.5315	13.09	-.0019	.2075
SDev	.0732	6.012	.3093	1.895	.1311	.0085
%RSD	31.44	77.14	58.19	14.47	6733	4.119

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	41.79	.2047	.3797	-.0146	1.174	56.46
SDev	3.763	.0132	.1533	.424	.2899	6.415
%RSD	9.006	6.458	40.38	2908	24.69	11.36

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.4362	.4973	Q7.053	.0473	-58.57	-.3026
SDev	5.098	3.606	.2626	.5983	48.12	.552
%RSD	1169	725	3.723	1266	82.17	182.4

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1341	.5396	.1510	2.064	1.419	-.0706
SDev	.2047	3.66	.9961	.1356	2.758	.113
%RSD	152.7	678.2	659.7	6.567	194.4	160.1

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2436	-.0052	-.1984	-1.190	.8207	3.876
SDev	.0595	1.012	.812	.8148	1.087	6.547
%RSD	24.42	19530	409.2	68.44	132.4	168.9

Elems	1960/2	*Y
Units	PPB	
Avge	-1.126	16120.2
SDev	2.218	23.6881
%RSD	196.9	.14694

Method: TOTAL Sample Name: HE7MNC 5192-066 Operator: KLC
Run Time: 07/18/05 09:35 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H60.37	2276.	2028.	1022.	2128.	54.16
SDev	.0081	2.47	5.492	.4348	3.729	.0811
%RSD	.0134	.1085	.2708	.0426	.1753	.1498

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	54850.	53.00	511.4	219.9	286.3	H1239.
SDev	112.3	.1426	1.113	.0397	.216	5.432
%RSD	.2047	.2691	.2177	.018	.0754	.4383

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	56100.	54770.	530.1	946.9	54540.	513.5
SDev	109.9	121.5	.8599	2.9	163.7	2.26
%RSD	.196	.2218	.1622	.3063	.3003	.4401

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	502.6	2112.	534.3	2066.	2145.	542.3
SDev	2.046	7.099	.3801	7.094	5.039	.6329
%RSD	.407	.3362	.0711	.3434	.2349	.1167

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	545.2	530.0	488.9	542.9	530.0	2177.
SDev	1.434	2.467	1.835	.8068	.1671	1.896
%RSD	.2629	.4655	.3754	.1486	.0315	.0871

Elems	1960/2	*Y
Units	PPB	
Avge	2079.	16070.2
SDev	11.59	17.3241
%RSD	.5574	.1078

Method: TOTAL Sample Name: HFJQVB 5196-041 Operator: KLC
Run Time: 07/18/05 09:42 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.6700	44.09	.5033	10.66	.1437	.2095
SDev	.4217	.1479	.3366	.8092	.0522	.0062
%RSD	62.94	.3354	66.87	7.594	36.31	2.955

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	256.6	.1003	.1329	-.3436	.9026	59.07
SDev	1.664	.0606	.5022	.1255	.4173	3.848
%RSD	.6485	60.46	377.9	36.52	46.24	6.515

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.8977	7.594	H6.053	-1.343	-277.7	-.0835
SDev	12.13	.2988	.0948	.4214	60.67	.1833
%RSD	1351	3.935	1.566	31.37	21.85	219.6

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3052	1.068	.8217	2.072	1.080	.1353
SDev	.3376	2.869	.1713	2.37	1.619	.2711
%RSD	110.6	268.6	20.85	114.4	149.9	200.4

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.943	-3.118	1.099	-2.207	2.334	1.919
SDev	.0098	.6284	.8199	1.404	.9576	1.011
%RSD	.1091	20.16	74.6	63.6	41.03	52.67

Elems	1960/2	*Y
Units	PPB	
Avge	.6434	16338
SDev	4.806	52.3259
%RSD	747	.32027

Method: TOTAL Sample Name: HFJQVC Operator: KLC
Run Time: 07/18/05 09:47 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L6.039	H3056.	1947.	1219.	2052.	51.88
SDev	.2134	26.3	10.75	12.05	13.62	.2994
%RSD	3.533	.8606	.552	.9883	.6634	.5771

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L1880.	51.66	499.0	212.5	277.9	H1233.
SDev	9.488	.1631	3.492	.7405	2.139	3.985
%RSD	.5048	.3158	.6998	.3485	.7698	.3231

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	L26.85	L30.67	511.0	905.0	L-634.5	503.3
SDev	1.622	1.138	2.958	9.02	107.3	2.066
%RSD	6.041	3.711	.5788	.9967	16.9	.4106

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	488.0	2029.	509.4	1998.	2074.	522.7
SDev	2.084	8.498	4.183	12.84	9.233	2.858
%RSD	.427	.4189	.8212	.6424	.4451	.5468

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	525.7	514.7	474.7	518.0	505.1	2093.
SDev	3.459	2.697	1.778	1.486	5.53	1.98
%RSD	.6579	.524	.3745	.2868	1.095	.0946

Elems	1960/2	*Y
Units	PPB	
Avge	1997.	16316
SDev	11.75	36.7696
%RSD	.5886	.22535

Method: TOTAL Sample Name: HFFJN Operator: KLC
Run Time: 07/18/05 09:54 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.1984	1137.	.5037	10.94	.1334	.2247
SDev	.3517	3.046	.5255	.9528	.0738	.0149
%RSD	177.3	.2679	104.3	8.707	55.34	6.61

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	267.1	.1768	.7013	.3801	.9445	105.2
SDev	.4597	.007	.1008	.2342	.2706	1.972
%RSD	.1722	3.954	14.38	61.62	28.65	1.875

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	4.254	16.04	8.621	-.2410	-314.4	4.404
SDev	6.142	.0856	.1807	.7162	90.14	.3392
%RSD	144.4	.5333	2.096	297.2	28.68	7.702

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.7828	.0827	-1.583	.9080	2.131	.1133
SDev	.9999	1.745	.5995	.1544	2.807	.1496
%RSD	127.7	2109	37.86	17.01	131.7	132.1

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	8.814	-1.765	-.2923	-2.349	-1.201	3.408
SDev	.081	1.585	.7078	.5345	.6319	2.466
%RSD	.9189	89.79	242.2	22.76	52.6	72.36

Elems	1960/2	*Y
Units	PPB	
Avge	-1.577	16289.8
SDev	1.384	6.0104
%RSD	87.77	.03689

Method: TOTAL Sample Name: HFFJNL Operator: KLC
Run Time: 07/18/05 09:59 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2474	359.0	.2578	31.10	.3850	.2205
SDev	.0728	1.083	1.668	.2549	.0194	.0043
%RSD	29.41	.3018	647.1	.8194	5.026	1.941

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	335.7	.1873	.2369	-.2061	.7810	58.88
SDev	1.5	.0393	.1519	.2336	.0653	3.094
%RSD	.4469	20.97	64.1	113.3	8.356	5.255

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.174	10.06	5.082	-.6826	-181.4	.7765
SDev	1.863	2.378	.0999	.3372	54.99	.1154
%RSD	158.7	23.64	1.965	49.4	30.31	14.86

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.5154	-.2236	-1.694	-.4276	-.5164	.0330
SDev	.1065	.497	1.19	.2068	.4039	.2681
%RSD	20.66	222.3	70.28	48.36	78.21	812.5

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	7.116	-1.078	-.2348	-4.059	-.5125	-.3881
SDev	.0794	.4786	.3986	2.156	.7084	.8746
%RSD	1.115	44.41	169.8	53.1	138.2	225.3

Elems	1960/2	*Y
Units	PPB	
Avge	-.1415	16220.2
SDev	.3084	13.0815
%RSD	218	.08064

Method: TOTAL Sample Name: HFFJNS Operator: KLC
Run Time: 07/18/05 10:04 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.896	3829.	1921.	1131.	2029.	51.27
SDev	.4496	24.13	8.154	3.76	12.32	.3678
%RSD	7.625	.6303	.4246	.3325	.6072	.7174

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1374.	51.17	491.9	210.8	274.7	1225.
SDev	12.96	.339	3.087	1.519	1.357	13.32
%RSD	.943	.6626	.6275	.7207	.4939	1.087

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	24.14	32.02	508.0	889.3	-529.7	503.5
SDev	3.415	.183	3.489	3.819	3.966	4.027
%RSD	14.15	.5715	.6868	.4294	.7486	.7998

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	480.7	2004.	501.5	1971.	2049.	516.6
SDev	3.695	12.3	6.109	13.2	9.385	3.724
%RSD	.7687	.6135	1.218	.6698	.458	.7209

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	523.1	508.4	466.8	513.2	495.7	2077.
SDev	3.793	2.584	4.25	7.342	5.493	17.33
%RSD	.7251	.5083	.9104	1.431	1.108	.8344

Elems	1960/2	*Y
Units	PPB	
Avge	1968.	16250
SDev	9.782	100.409
%RSD	.497	.6179

Method: TOTAL Sample Name: HFFJND Operator: KLC
Run Time: 07/18/05 10:10 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	5.892	3422.	1950.	1035.	2058.	51.91
SDev	.0024	2.589	.7822	1.071	.3663	.0042
%RSD	.0411	.0756	.0401	.1035	.0178	.0081

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	492.9	51.71	498.5	213.3	278.9	1232.
SDev	1.123	.0682	.2681	.4274	.2448	3.571
%RSD	.2279	.132	.0538	.2004	.0878	.2899

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.4049	16.00	515.3	902.7	-636.4	508.3
SDev	9.726	1.127	.3192	.322	102.5	.8403
%RSD	2402	7.042	.0619	.0357	16.11	.1653

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	488.0	2035.	509.2	2002.	2084.	524.6
SDev	.6139	1.004	2.402	3.632	3.989	.3036
%RSD	.1258	.0493	.4717	.1814	.1914	.0579

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	532.0	517.7	473.1	520.9	503.4	2107.
SDev	.1295	.3957	1.118	.8576	3.173	4.803
%RSD	.0243	.0764	.2363	.1647	.6304	.2279

Elems	1960/2	*Y
Units	PPB	
Avge	1998.	16376.8
SDev	.8931	33.5876
%RSD	.0447	.20509

Method: TOTAL Sample Name: HE1DL/2 5193-022 Operator: KLC
Run Time: 07/18/05 10:49 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.1861	88.04	.1762	240.9	362.0	.4256
SDev	.2743	4.765	1.017	1.914	3.301	.0152
%RSD	147.4	5.412	577.5	.7945	.912	3.581

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	204400.	.2128	2.000	3.136	3.039	4092.
SDev	1658	.0053	.2253	.2158	.353	37.4
%RSD	.8111	2.481	11.26	6.88	11.62	.914

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	16550.	139100.	227.1	.9268	318800.	2.560
SDev	67.57	1167	2.459	.0231	686.1	.4342
%RSD	.4083	.8389	1.083	2.493	.2152	16.96

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-1.246	1.054	-.6233	-1.410	4.907	.4966
SDev	.0181	.7066	.2547	.8583	.0239	.2499
%RSD	1.454	67.06	40.86	60.88	.4879	50.31

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	6.026	-2.442	-.6487	-3.576	.8507	4.042
SDev	.0947	1.479	.7112	1.835	1.298	1.658
%RSD	1.572	60.56	109.6	51.32	152.6	41.03

Elems	1960/2	*Y
Units	PPB	
Avge	-.4379	15383.8
SDev	.2315	117.733
%RSD	52.86	.7653

Method: TOTAL Sample Name: HE6WK 5195-307 Operator: KLC
Run Time: 07/18/05 10:56 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1.262	34870.	131.1	239.3	169.9	1.903
SDev	.367	28.31	.7181	.6304	.2265	.0225
%RSD	29.07	.0812	.5476	.2634	.1333	1.181

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	H599200.	13.37	78.00	1843.	984.2	H2564e3
SDev	120.5	.0903	.0854	.6572	1.085	385.2
%RSD	.0201	.675	.1095	.0357	.1103	.015

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	2665.	14070.	9965.	243.7	320.6	1094.
SDev	12.62	11.8	.897	1.219	42.05	.153
%RSD	.4735	.0838	.009	.5002	13.12	.014

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	149.4	-120.2	61.94	105.2	-13.34	130.9
SDev	.1136	.7299	.4055	2.202	4.752	.2456
%RSD	.076	.6071	.6547	2.092	35.62	.1876

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	561.2	173.5	137.3	7.166	89.28	96.74
SDev	.1808	3.121	1.388	.6246	.2962	8.82
%RSD	.0322	1.799	1.011	8.716	.3317	9.117

Elems	1960/2	*Y
Units	PPB	
Avge	-228.5	15102.8
SDev	5.498	6.0104
%RSD	2.406	.03979

Method: TOTAL Sample Name: HE6WK/5 Operator: KLC
Run Time: 07/18/05 11:01 Filename: I60717A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.0682	7076.	26.16	77.74	33.95	.7479
SDev	.0527	36.26	.6401	.0751	.0014	.0098
%RSD	77.3	.5124	2.447	.0966	.0042	1.309

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	196600.	.3262	16.10	386.5	192.6	518800.
SDev	89.49	.0806	.3793	.3178	.2201	404.6
%RSD	.0455	24.72	2.357	.0822	.1143	.078

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	478.4	3063.	2124.	50.61	-95.10	235.5
SDev	5.07	.6562	.7233	.5935	43.97	.2708
%RSD	1.06	.0214	.034	1.173	46.24	.115

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	31.98	-23.61	11.46	20.24	-2.503	26.27
SDev	.1219	1.486	2.613	3.218	.5589	.1074
%RSD	.3811	6.293	22.81	15.9	22.32	.4089

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	114.5	36.16	29.90	-.6795	17.52	15.19
SDev	.1763	.405	.0194	.7566	3.54	.904
%RSD	.1539	1.12	.065	111.4	20.21	5.953

Elems	1960/2	*Y
Units	PPB	
Avge	-42.98	15860.2
SDev	2.679	16.617
%RSD	6.233	.10477

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/18/05 11:10 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	964.1	25880.	455.8	4840.	1987.	2011.
SDev	.4635	13.18	1.775	18.17	1.92	1.602
%RSD	.0481	.0509	.3895	.3754	.0966	.0797

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51260.	488.0	1870.	2039.	2073.	26480.
SDev	41.37	.0732	2.497	2.024	1.168	5.983
%RSD	.0807	.015	.1335	.0993	.0564	.0226

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	51730.	52250.	1948.	Q1669.	49770.	1849.
SDev	18.94	20.27	2.216	4.04	29.14	1.119
%RSD	.0366	.0388	.1137	.2421	.0585	.0605

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	462.2	472.1	493.1	4776.	1023.	2049.
SDev	.5105	3.64	.292	13.19	.279	1.934
%RSD	.1105	.7711	.0592	.2762	.0273	.0944

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	1972.	496.2	445.2	497.7	490.7	505.7
SDev	1.607	.3323	.5996	.0601	.4678	3.896
%RSD	.0815	.067	.1347	.0121	.0953	.7704

Elems	1960/2	*Y
Units	PPB	
Avge	455.3	15881.5
SDev	3.512	34.6482
%RSD	.7715	.21816

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/18/05 11:18 Filename: I60717A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.2102	-4.138	.1030	14.46	.0123	.3883
SDev	.5027	1.494	.6251	2.65	.0008	.0048
%RSD	239.2	36.1	606.7	18.32	6.685	1.233

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	36.93	.0696	.1628	-.1183	2.378	73.02
SDev	.7457	.0455	.0516	.0981	.5199	1.33
%RSD	2.019	65.32	31.69	82.97	21.86	1.821

Elems	K	Mg	Mn	Mo	Na3302	Ni
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-6.732	-2.652	2.705	-.1607	-205.8	-.2531
SDev	.4455	.169	.064	.1298	32.01	.6219
%RSD	6.618	6.372	2.367	80.73	15.55	245.7

Elems	Pb	Se	Sb	Sn	Tl	V
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	-.3422	-.8133	-.6803	.7986	-3.226	-.3184
SDev	.2553	.1528	1.861	.0133	2.157	.0007
%RSD	74.61	18.78	273.5	1.669	66.85	.2282

Elems	Zn	2203/1	2203/2	2068/2	2068/1	1960/1
Units	PPB	PPB	PPB	PPB	PPB	PPB
Avge	.2242	.0144	-.5203	-1.958	-.0424	.9375
SDev	.0289	.4153	.5901	.6817	2.449	2.91
%RSD	12.87	2883	113.4	34.81	5782	310.5

Elems	1960/2	*Y
Units	PPB	
Avge	-1.687	16092.8
SDev	1.224	18.0312
%RSD	72.54	.11204

MISCELLANEOUS DATA

Metals Internal Chain of Custody

Date Prepared: 07/12/05 **Prep Analyst:** Lisa McGall

Laboratory Sample ID			Lab ID	Method	Analysis Date	Analyst	Instrument
A5G070131	1		HE1DD	MCAWW 200.7	07/17/05	Brian Davies	I6
A5G070131	1	S	HE1DD	MCAWW 200.7	07/17/05	Brian Davies	I6
A5G070131	1	D	HE1DD	MCAWW 200.7	07/17/05	Brian Davies	I6
A5G070131	1		HE1DD	SW846 6010B	07/17/05	Brian Davies	I6
A5G070131	1	S	HE1DD	SW846 6010B	07/17/05	Brian Davies	I6
A5G070131	1	D	HE1DD	SW846 6010B	07/17/05	Brian Davies	I6
A5G070131	1		HE1DD	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	1	S	HE1DD	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	1	D	HE1DD	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	2		HE1DG	SW846 6010B	07/18/05	Brian Davies	I6
A5G070131	2		HE1DG	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	3		HE1DJ	SW846 6010B	07/18/05	Brian Davies	I6
A5G070131	3		HE1DJ	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	4		HE1DK	SW846 6010B	07/18/05	Brian Davies	I6
A5G070131	4		HE1DK	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	5		HE1DL	SW846 6010B	07/18/05	Brian Davies	I6
A5G070131	5		HE1DL	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	6		HE1DN	SW846 6010B	07/18/05	Brian Davies	I6
A5G070131	6		HE1DN	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	7		HE1DP	SW846 6010B	07/18/05	Brian Davies	I6
A5G070131	7		HE1DP	SW846 7470A	07/12/05	Michaelyn List	H1
A5G070131	8		HE1DQ	SW846 6010B	07/18/05	Brian Davies	I6
A5G070131	8		HE1DQ	SW846 7470A	07/12/05	Michaelyn List	H1

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Metals Internal Chain of Custody

Date Prepared: 07/12/05 **Prep Analyst:** Lisa McGall

Laboratory Sample ID		Lab ID	Method	Analysis Date	Analyst	Instrument
A5G070131	9	HE1DR	SW846 6010B	07/18/05	Brian Davies	I6
A5G070131	9	HE1DR	SW846 7470A	07/12/05	Michaelyn List	H1

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Preparation Type	Matrix	Amount of Standard added to LCS & MS/MSD		Initial Sample Vol/Wt	Final Sample Volume
		Amount	Standard name		
ICP	water	1 mL 1 mL 1.0 mL	Ag ICP-1 ICP-2A	50 mL	50 mL
ICPMS	water	0.5ml 0.5ml	ICPMS-1 ICPMS-2	50 mL	50 mL
Cd, Cr, Pb, Tl, Ag, Sb, As, Se - GFAA	water	1 mL	Graphite	50 mL	50 mL
Hg - CVAA	water	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL
Hg - CVAF (low level)	water	0.2 mL (LCS/MS/MSD)	HG ICAL	40 ml	40 ml
ICP	solid	2 mL 2 mL 2 mL	Ag ICP-1 ICP-2A	1.00 +/- .02g	100 mL
ICPMS	solid	1ml 1ml	ICPMS-1 ICPMS-2	1.00 +/- .02g	100ml
As, Se, Cd, Cr, Pb, Tl, Ag, Sb - GFAA	solid	2 mL	Graphite	1.00 +/- .02g	100 mL
Hg - CVAA	solid	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	0.60 +/- .01g	100 mL
ICP	TCLP	1 mL (LCS) 1 mL(LCS)	Ag ICP-1	50 mL	50 mL
ICP	TCLP	0.5 mL(MS/MSD)	TCLP Spike I RCRA	50 mL	50 mL
ICP	TCLP	1 mL(MS/MSD)	TCLP Spike II Non-RCRA	50 mL	50 mL
Hg - CVAA	TCLP	5 mL (LCS) 5 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL

Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.0002 ppm	0.2 mL	HG-2	0.1 ppm
0.0005 ppm	0.5 mL	HG-2	0.1 ppm
0.001 ppm	1 mL	HG-2	0.1 ppm
0.005 ppm	5 mL	HG-2	0.1 ppm
0.010 ppm	10 mL	HG-2	0.1 ppm
ICV Preparation			
0.0025 ppm	2.5 mL	HG-1	0.1 ppm
CCV Preparation:			
0.005 ppm	5 mL	HG-2	0.1 ppm

Low Level Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.5 ppt	20 ul	HG ICAL	1.0 ppb
1.0 ppt	40 ul	HG ICAL	1.0 ppb
2 ppt	80 ul	HG ICAL	1.0 ppb
5 ppt	200 ul	HG ICAL	1.0 ppb
10 ppt	400 ul	HG ICAL	1.0 ppb
25 ppt	1000 ul	HG ICAL	1.0 ppb
ICV Preparation			
5 ppt	200 ul	HG ICV	1.0 ppb
CCV Preparation:			
5 ppt	200 ul	HG ICAL	1.0 ppb

SPIKING STANDARD DEFINITIONS

Elements	Ag	ICP-1	ICP-2A	ICPMS-1	ICPMS-2	GFAA	HG-1	HG-2	HG ICAL	HG ICV	TCLP Spike I	TCLP Spike II
Ag	2.5 ppm			10ppm		0.25 ppm					100 ppm	
Al		100 ppm			100ppm							100 ppm
As		100 ppm		10ppm		2.0 ppm					500 ppm	
Ba		100 ppm		10ppm							5000 ppm	
Be		2.5 ppm		10ppm								2.5 ppm
Cd		2.5 ppm		10ppm		0.2 ppm					100 ppm	
Ca			2500 ppm		100ppm							
Co		25 ppm		10ppm								25 ppm
Cr		10 ppm		10ppm		0.5 ppm					500 ppm	
Cu		12.5 ppm		10ppm								12.5 ppm
Fe		50 ppm			100ppm							50 ppm
Hg							0.1 ppm	0.1 ppm	1.0 ppb	1.0 ppb		
K			2500 ppm		100ppm							
Mg			2500 ppm		100ppm							
Mn		25 ppm		10ppm								25 ppm
Na			2500 ppm		100ppm							
Ni		25 ppm		10ppm								25 ppm
Pb		25 ppm		10ppm		2.0 ppm					500 ppm	
Sb		25 ppm		10ppm		2.0 ppm						25 ppm
Se		100 ppm		10ppm		2.0 ppm					100 ppm	
Tl		100 ppm		10ppm		2.0 ppm						100 ppm
V		25 ppm		10ppm								25 ppm
Zn		25 ppm		10ppm								25 ppm
B		50 ppm		10ppm								50 ppm
Sr		50 ppm		10ppm								
Mo		50 ppm		10ppm								50 ppm
W		50 ppm		10ppm								
Sn		100 ppm		10ppm								100 ppm
Zr		50 ppm		10ppm								
Ti		50 ppm		10ppm								

STL North Canton
Revised 4/5/02
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DATE: 7.12.05

METALS PREPARATION REAGENTS/STANDARDS

Reagents and Standards listed on this form are used for the entire day's prep batches unless otherwise noted on the individual prep log.

REAGENT NAME	REAGENT NUMBER
1:1 HNO_3 (nitric acid)	5MR 475
1:1 HCl (hydrochloric acid)	5MR 470
HNO_3 (nitric acid)	5MR 447
HCl (hydrochloric acid)	5MR 471
$KMnO_4$ (potassium permanganate)	5MR 456
$K_2S_2O_8$ (potassium persulfate)	5MR 457
H_2O_2 (hydrogen peroxide)	5MR 440
H_2SO_4 (sulfuric acid)	5MR 310
HCl/HNO_3 (aqua regia)	5MR 476

STANDARD NAME	STANDARD/LOT NUMBER
ICP-1	5G373
ICP-2A	5G374
RCRA	———
non-RCRA	———
Ag	5F351
Hg	5G382
ICPMS-1	HPS 511921
ICPMS-2	———

Waters

Hg time in the water bath 8:30 am

Hg time out of the water bath 10:30 am

Solids

Hg time in the water bath 11:10 am

Hg time out of the water bath 11:40 am

Times listed are for the waters and solids for that day unless otherwise noted.

STL North Canton
Revision Date: 09/28/04
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GENERAL CHEMISTRY DATA

SEVERN TRENT STL

SAMPLE DATA

Matrix Environmental, Inc.

Client Sample ID: MW-C

General Chemistry

Lot-Sample #...: A5G070131-001 **Work Order #...:** HE1DD **Matrix.....:** WG
Date Sampled...: 07/06/05 08:05 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**0.42 B**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/12/05**	**5193362**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**17.6**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**98.6**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189272**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-217

General Chemistry

Lot-Sample #...: A5G070131-002 **Work Order #...:** HE1DG **Matrix.....:** WG
Date Sampled...: 07/06/05 13:40 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**1.9**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/12/05**	**5193362**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**74.7**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.41**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189275**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**76.2**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189272**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-214

General Chemistry

Lot-Sample #...: A5G070131-003 **Work Order #...:** HE1DJ **Matrix.....:** WG
Date Sampled...: 07/06/05 16:58 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**0.74**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/12/05**	**5193362**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**221**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**26.8**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189272**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-216

General Chemistry

Lot-Sample #...: A5G070131-004 **Work Order #...:** HE1DK **Matrix.....:** WG
Date Sampled...: 07/06/05 15:20 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**0.74**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/12/05**	**5193362**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**139**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**121**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189272**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-202

General Chemistry

Lot-Sample #...: A5G070131-005 **Work Order #...:** HE1DL **Matrix.....:** WG
Date Sampled...: 07/06/05 11:10 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/12/05	5193362
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**1220**	**20.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 20		MDL.....: 4.0		
Cyanide, Total	**0.0098 B**	**0.010**	**mg/L**	**SW846 9012A**	**07/15/05**	**5196286**
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND G	2.0	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 20		MDL.....: 0.34		
Sulfate	**3.6**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189277**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Matrix Environmental, Inc.

Client Sample ID: MW-201

General Chemistry

Lot-Sample #...: A5G070131-006 **Work Order #...:** HE1DN **Matrix.....:** WG
Date Sampled...: 07/06/05 10:01 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**1.7**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/12/05**	**5193362**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**414**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**120**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189277**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-210

General Chemistry

Lot-Sample #...: A5G070131-007 **Work Order #...:** HE1DP **Matrix.....:** WG
Date Sampled...: 07/06/05 12:50 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**3.1**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/12/05**	**5193362**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**198**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**291**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189277**
		Dilution Factor: 5		MDL.....: 0.55		

Matrix Environmental, Inc.

Client Sample ID: MW-209

General Chemistry

Lot-Sample #...: A5G070131-008 **Work Order #...:** HE1DQ **Matrix.....:** WG
Date Sampled...: 07/06/05 13:30 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**0.42 B**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/12/05**	**5193362**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**252**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**150**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189277**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-213

General Chemistry

Lot-Sample #...: A5G070131-009 **Work Order #...:** HE1DR **Matrix.....:** WG
Date Sampled...: 07/06/05 17:35 **Date Received..:** 07/07/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**1.1**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/12/05**	**5193362**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**234**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189274**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**139**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/07/05**	**5189277**
		Dilution Factor: 1		MDL.....: 0.11		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		Work Order #: HFAPQ1AA		MB Lot-Sample #:	A5G120000-362	
	ND	0.50	mg/L	SW846 9030B/9034	07/12/05	5193362
		Dilution Factor: 1				
Chloride		Work Order #: HE4FP1AA		MB Lot-Sample #:	A5G080000-274	
	ND	1.0	mg/L	MCAWW 300.0A	07/08/05	5189274
		Dilution Factor: 1				
Cyanide, Total		Work Order #: HFKVE1AA		MB Lot-Sample #:	A5G150000-286	
	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1				
Nitrate as N		Work Order #: HE4FT1AA		MB Lot-Sample #:	A5G080000-275	
	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1				
Nitrite as N		Work Order #: HE4F01AA		MB Lot-Sample #:	A5G080000-276	
	ND	0.10	mg/L	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1				
Sulfate		Work Order #: HE4EW1AA		MB Lot-Sample #:	A5G080000-272	
	ND	1.0	mg/L	MCAWW 300.0A	07/07/05	5189272
		Dilution Factor: 1				
Sulfate		Work Order #: HE4F51AA		MB Lot-Sample #:	A5G080000-277	
	ND	1.0	mg/L	MCAWW 300.0A	07/08/05	5189277
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A5G070131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#:HFAPQ1AC-LCS/HFAPQ1AD-LCSD LCS Lot-Sample#: A5G120000-362					
	97	(83 - 110)			SW846 9030B/9034	07/12/05	5193362
	99	(83 - 110)	2.1	(0-20)	SW846 9030B/9034	07/12/05	5193362
		Dilution Factor: 1					
Chloride		WO#:HE4FP1AC-LCS/HE4FP1AD-LCSD LCS Lot-Sample#: A5G080000-274					
	90	(90 - 110)			MCAWW 300.0A	07/08/05	5189274
	90	(90 - 110)	0.02	(0-20)	MCAWW 300.0A	07/08/05	5189274
		Dilution Factor: 1					
Nitrate as N		WO#:HE4FT1AC-LCS/HE4FT1AD-LCSD LCS Lot-Sample#: A5G080000-275					
	94	(90 - 110)			MCAWW 300.0A	07/07/05	5189275
	94	(90 - 110)	0.42	(0-20)	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1					
Nitrite as N		WO#:HE4F01AC-LCS/HE4F01AD-LCSD LCS Lot-Sample#: A5G080000-276					
	93	(90 - 110)			MCAWW 300.0A	07/07/05	5189276
	93	(90 - 110)	0.0	(0-20)	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1					
Sulfate		WO#:HE4EW1AC-LCS/HE4EW1AD-LCSD LCS Lot-Sample#: A5G080000-272					
	90	(90 - 110)			MCAWW 300.0A	07/07/05	5189272
	90	(90 - 110)	0.46	(0-20)	MCAWW 300.0A	07/07/05	5189272
		Dilution Factor: 1					
Sulfate		WO#:HE4F51AC-LCS/HE4F51AD-LCSD LCS Lot-Sample#: A5G080000-277					
	90	(90 - 110)			MCAWW 300.0A	07/08/05	5189277
	90	(90 - 110)	0.11	(0-20)	MCAWW 300.0A	07/08/05	5189277
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: A5G070131 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#:HFAPQ1AC-LCS/HFAPQ1AD-LCSD				LCS Lot-Sample#: A5G120000-362		
	15.7	15.1	mg/L	97		SW846 9030B/9034	07/12/05	5193362
	15.7	15.5	mg/L	99	2.1	SW846 9030B/9034	07/12/05	5193362
		Dilution Factor: 1						
Chloride		WO#:HE4FP1AC-LCS/HE4FP1AD-LCSD				LCS Lot-Sample#: A5G080000-274		
	50.0	45.1	mg/L	90		MCAWW 300.0A	07/08/05	5189274
	50.0	45.1	mg/L	90	0.02	MCAWW 300.0A	07/08/05	5189274
		Dilution Factor: 1						
Nitrate as N		WO#:HE4FT1AC-LCS/HE4FT1AD-LCSD				LCS Lot-Sample#: A5G080000-275		
	2.5	2.4	mg/L	94		MCAWW 300.0A	07/07/05	5189275
	2.5	2.3	mg/L	94	0.42	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1						
Nitrite as N		WO#:HE4F01AC-LCS/HE4F01AD-LCSD				LCS Lot-Sample#: A5G080000-276		
	2.5	2.3	mg/L	93		MCAWW 300.0A	07/07/05	5189276
	2.5	2.3	mg/L	93	0.0	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1						
Sulfate		WO#:HE4EW1AC-LCS/HE4EW1AD-LCSD				LCS Lot-Sample#: A5G080000-272		
	50.0	45.0	mg/L	90		MCAWW 300.0A	07/07/05	5189272
	50.0	44.8	mg/L	90	0.46	MCAWW 300.0A	07/07/05	5189272
		Dilution Factor: 1						
Sulfate		WO#:HE4F51AC-LCS/HE4F51AD-LCSD				LCS Lot-Sample#: A5G080000-277		
	50.0	45.1	mg/L	90		MCAWW 300.0A	07/08/05	5189277
	50.0	45.1	mg/L	90	0.11	MCAWW 300.0A	07/08/05	5189277
		Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: HFKVE1AC	LCS Lot-Sample#: A5G150000-286		
	105	(69 - 118)	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	Work Order #: HFKVE1AC				LCS Lot-Sample#: A5G150000-286		
	0.17	0.17	mg/L	105	SW846 9012A	07/15/05	5196286
	Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WATER
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	WO#: HEXEJ1CE-MS/HEXEJ1CF-MSD					MS Lot-Sample #: A5G060137-004	
	97	(42 - 140)			SW846 9012A	07/15/05	5196286
	96	(42 - 140)	1.6	(0-20)	SW846 9012A	07/15/05	5196286

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WATER
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#: HEXEJ1CE-MS/HEXEJ1CF-MSD				MS Lot-Sample #: A5G060137-004		
	ND	0.040	0.039	mg/L	97		SW846 9012A	07/15/05	5196286
	ND	0.040	0.038	mg/L	96	1.6	SW846 9012A	07/15/05	5196286
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WATER
Date Sampled...: 06/27/05 16:20 **Date Received..:** 07/02/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #...: HETWL1A8		MS Lot-Sample #: A5G020106-001	
	90	(80 - 120)	MCAWW 300.0A	07/07-07/08/05	5189272
		Dilution Factor: 1			
Sulfate		Work Order #...: HE03X1CK		MS Lot-Sample #: A5G070105-001	
	91	(80 - 120)	MCAWW 300.0A	07/08/05	5189272
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WATER
Date Sampled...: 06/27/05 16:20 **Date Received..:** 07/02/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	PREPARATION-METHOD	ANALYSIS DATE	PREP BATCH #
Sulfate			Work Order #...: HETWL1A8			MS Lot-Sample #: A5G020106-001		
	80.1	50.0	125	mg/L	90	MCAWW 300.0A	07/07-07/08/05	5189272
			Dilution Factor: 1					
Sulfate			Work Order #...: HE03X1CK			MS Lot-Sample #: A5G070105-001		
	108	50.0	153	mg/L	91	MCAWW 300.0A	07/08/05	5189272
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 16:58 **Date Received..:** 07/07/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate as N		Work Order #...: HE1DJ1CA		MS Lot-Sample #: A5G070131-003	
	103	(80 - 120)	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1			
Nitrate as N		Work Order #...: HE1DR1A9		MS Lot-Sample #: A5G070131-009	
	101	(80 - 120)	MCAWW 300.0A	07/07/05	5189275
		Dilution Factor: 1			
Nitrite as N		Work Order #...: HE1DJ1CC		MS Lot-Sample #: A5G070131-003	
	89	(80 - 120)	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1			
Nitrite as N		Work Order #...: HE1DR1CA		MS Lot-Sample #: A5G070131-009	
	86	(80 - 120)	MCAWW 300.0A	07/07/05	5189276
		Dilution Factor: 1			
Sulfate		Work Order #...: HE1DJ1A9		MS Lot-Sample #: A5G070131-003	
	104	(80 - 120)	MCAWW 300.0A	07/07/05	5189272
		Dilution Factor: 1			
Sulfate		Work Order #...: HE1DR1CC		MS Lot-Sample #: A5G070131-009	
	80	(80 - 120)	MCAWW 300.0A	07/07/05	5189277
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G070131 **Matrix.....:** WG
Date Sampled...: 07/06/05 16:58 **Date Received..:** 07/07/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	PREPARATION-METHOD	ANALYSIS DATE	PREP BATCH #
Nitrate as N			Work Order #...: HE1DJ1CA			MS Lot-Sample #: A5G070131-003		
	ND	2.5	2.6	mg/L	103	MCAWW 300.0A	07/07/05	5189275
			Dilution Factor: 1					
Nitrate as N			Work Order #...: HE1DR1A9			MS Lot-Sample #: A5G070131-009		
	ND	2.5	2.5	mg/L	101	MCAWW 300.0A	07/07/05	5189275
			Dilution Factor: 1					
Nitrite as N			Work Order #...: HE1DJ1CC			MS Lot-Sample #: A5G070131-003		
	ND	2.5	2.2	mg/L	89	MCAWW 300.0A	07/07/05	5189276
			Dilution Factor: 1					
Nitrite as N			Work Order #...: HE1DR1CA			MS Lot-Sample #: A5G070131-009		
	ND	2.5	2.1	mg/L	86	MCAWW 300.0A	07/07/05	5189276
			Dilution Factor: 1					
Sulfate			Work Order #...: HE1DJ1A9			MS Lot-Sample #: A5G070131-003		
	26.8	50.0	79.0	mg/L	104	MCAWW 300.0A	07/07/05	5189272
			Dilution Factor: 1					
Sulfate			Work Order #...: HE1DR1CC			MS Lot-Sample #: A5G070131-009		
	139	50.0	179	mg/L	80	MCAWW 300.0A	07/07/05	5189277
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): IC

Batch(es): 5189268/9/70/1/2/3/4/5/6/7/5189350/1/2/3/4

Method #/SOP#: 300.0

Review Items	Yes	No	NA	Yes	No	NA
Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?	✓			X		
2. Calibration curve consist of the minimum number of calibration standards?	✓			X		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)	✓			X		
4. ICB analyzed immediately after ICV and within criteria (±RL)?	✓			X		
Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			X		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			X		
Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?	✓			X		
2. All reported results bracketed by in control QC ?	✓			X	C	
3. Sample analyses done within holding time ?	✓			X		
Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			X		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			X		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			X		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			X
Titrations						
1. Titrant standardized?			✓			X
2. If no, standardization expires						
Miscellaneous						
1. Are all non-conformances documented appropriately (NCM or narrative)?			✓			X
2. Calculations checked for error ?	✓			X		
3. Transcriptions checked for error ?	✓			X		
4. All client/project specific requirements met ?	✓			X		
5. Date/time of preparation and analysis verified as correct ?	✓			X		
6. Units verified as correct?	✓			X		
7. Dilutions have been properly applied and RL's adjusted appropriately?	✓			X		
8. SOP followed?	✓			X		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓			X		
10. All reagent and standard numbers recorded in logbook?	✓			X		
11. Edits dated and initialed	✓			X		

Comment on any "NO" response(s):

Level I reviewer: Rebecca Nolan Date: 7/8/05

Level II Reviewer: Melissa A. Fuller-Gustafson Date: 7/9/05

Level I review:

Method: 300

5189351
STL North Canton
Ion Chromatography
5189350
5189268
5189270
5189273
5189276
5189275
5189354
5189269
5189272
5189271
5189274
5189353
5189352
5189277

DX Method: C:\PEAKNET\METHOD\DX-320 062005.met Instrument: DX320 Date Analyzed: 7/7/05

Units: mg/L or mg/Kg

522

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
	DX320	RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	20-Jun-05	Highest Cal Std conc & area			10	1212466	200	23125052	10	1682988.7	40	1459965.2	10	2112276	10	926912.8	200	15542477
2	7/7/05 16:02	ICV	L	1	P 101%	2.52	P 95%	47.33	P 96%	2.39	P 97%	9.72	P 100%	2.50	P 101%	2.53	P 95%	47.32
3	7/7/05 16:19	ICB	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	0.005576229 B	P< 0.5	0.031141097 B	P< 1	0.020433118 B
4	7/7/05 16:37	LCS	L	1	P 97%	2.43	P 90%	45.11	P 93%	2.33	P 94%	9.37	P 94%	2.35	P 97%	2.43	P 90%	45.05
5	7/7/05 16:54	LCS DUP	L	1	P 96%	2.40	P 90%	45.16	P 93%	2.33	P 94%	9.37	P 94%	2.34	P 99%	2.48	P 90%	44.84
6	7/7/05 17:11	HE1DD	L	1	1	0.905971921 B	1	17.64	0.5	ND	0.5	ND	0.1	0.007007254 B	0.5	0.031058198 B	1	98.56
7	7/7/05 17:29	HE1DD	L	2	2 G	0.826583406 B	2	16.33	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.064407828 B	2	90.73
8	7/7/05 17:46	HE1DG	L	1	1	0.28229743 B	1	74.69	0.5	ND	0.5	0.089963299 B	0.1	0.41	0.5	ND	1	76.18
9	7/7/05 18:04	HE1DG	L	5	5 G	0.207455342 B	5	62.60	2.5 G	ND	2.5 G	ND	0.5 G	0.313380557 B	2.5 G	ND	5	63.96
10	7/7/05 18:21	HE1DJ ORG	L	1	1	0.264086844 B	1	Dil 2X	0.5	ND	0.5	0.27280954 B	0.1	ND	0.5	0.010919552 B	1	26.79
11	7/7/05 18:39	HE1DJ MS	L	1	P 134%	3.61	P 63%	Dil 2X	P 89%	2.22	P 100%	10.30	P 103%	2.57	P 209%	5.24	P 105%	79.04
12	7/7/05 18:56	HE1DJ	L	5	5 G	0.195681766 B	5	221.34	2.5 G	ND	2.5 G	0.368304651 B	0.5 G	ND	2.5 G	1.075547437 B	5	23.34
13	7/7/05 19:13	HE1DK	L	1	1	0.277854991 B	1	138.83	0.5	ND	0.5	0.96	0.1	ND	0.5	0.034812081 B	1	120.89
14	7/7/05 19:31	HE1DK	L	5	5 G	0.168910787 B	5	124.58	2.5 G	ND	2.5 G	0.771725663 B	0.5 G	ND	2.5 G	0.308216022 B	5	105.14
15	7/7/05 19:48	HE1DL	L	1	1	0.136491249 B	1	Dil 2X	0.5	Dil 20X	0.5	1.38	0.1	ND	0.5	0.029346008 B	1	3.60
16	7/7/05 20:06	CCV #1	L	1	P 103%	2.58	P 95%	47.52	P 94%	2.36	P 98%	9.80	P 99%	2.47	Dil 118%	2.94	P 94%	47.13
17	7/7/05 20:23	CCB #1	L	1	P< 1	ND	P< 1	ND	P< 0.5	0.008206826 B	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.105613709 B	P< 1	0.044624136 B
18	7/7/05 20:40	HE1DL	L	20	20 G	ND	20	1215.84	10 G	ND G	10 G	2.363545429 B	2 G	0.128930801 B	10 G	2.310878232 B	20 G	2.723383993 B
19	7/7/05 20:58	HE1DN	L	1	1	0.082394815 B	1	Dil 5X	0.5	ND	0.5	ND	0.1	ND	0.5	0.032161401 B	1	119.91
20	7/7/05 21:15	HE1DN	L	5	5 G	0.113757005 B	5	413.99	2.5 G	ND	2.5 G	ND	0.5 G	0.029269431 B	2.5 G	0.194275502 B	5	101.87
21	7/7/05 21:33	HE1DP	L	1	1	0.168607977 B	1	198.44	0.5	ND	0.5	0.20748277 B	0.1	ND	0.5	0.01620358 B	1	Dil 2X
22	7/7/05 21:50	HE1DP	L	5	5 G	ND	5	185.52	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.064906453 B	5	291.32
23	7/7/05 22:07	HE1DQ	L	1	1	0.27123631 B	1	Dil 2X	0.5	ND	0.5	ND	0.1	0.015441484 B	0.5	0.02511393 B	1	150.33
24	7/7/05 22:25	HE1DQ	L	5	5 G	0.164899695 B	5	251.78	2.5 G	ND	2.5 G	ND	0.5 G	0.043849966 B	2.5 G	0.14884503 B	5	131.32
25	7/7/05 22:42	HE1DR ORG	L	1	1	0.077949351 B	1	Dil 2X	0.5	ND	0.5	0.043015607 B	0.1	0.009273311 B	0.5	0.017913574 B	1	138.68
26	7/7/05 23:00	HE1DR MS	L	1	P 134%	3.42	P 59%	Dil 2X	P 86%	2.14	P 100%	10.08	P 101%	2.53	P 177%	4.44	P 80%	178.58

Elect WH50684
ICV IC5114
LCS IC5113

G - diluted for another analyte or matrix
B - estimated result, < RL

STL North Canton

Method: 300 ...ST

...STL North Canton
...ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX-320 062005.met Instrument : DX320 Date Analyzed: 7/7/05

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
	DX320	RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	20-Jun-05	Highest Cal Std conc & area			10	1212466	200	23125052	10	1682988.7	40	1459965.2	10	2112276	10	926912.8	200	15542477
27	7/7/05 23:17	HE1DR	L	5	5 G	0.172871971 B	(5)	234.19	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.426225234 B	5	118.43
28	7/7/05 23:34	CCV #2	L	1	P 103%	2.58	P 94%	47.25	P 92%	2.31	P 96%	9.65	P 97%	2.43	Out 113%	2.90	P 94%	47.10
29	7/7/05 23:52	CCB #2	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.056656043 B	P< 1	0.017413306 B
30	7/8/05 0:09	HEP0C	L	1	1	ND	1	0.510186005 B	0.5	ND	0.5	ND	0.1	0.029629203 B	0.5	0.108825231 B	1	0.179883722 B
31	7/8/05 0:27	HETWL ORG	L	2	2 G	1.006378017 B	2	10.95	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.023382217 B	(2)	80.08
32	7/8/05 0:44	HETWL MS	L	2	P 116%	3.91	P 90%	55.90	P 90%	2.26	P 97%	9.72	P 96%	2.40	P 222%	5.56	P 90%	125.19
33	7/8/05 1:01	HETWQ	L	1	1	ND	1	0.09623059 B	0.5	ND	0.5	ND	0.1	ND	0.5	0.341803873 B	1	0.025447767 B
34	7/8/05 1:19	HETWR	L	2	2	2.35	2	5.96	1 G	ND	1 G	0.125280383 B	0.2 G	ND	1 G	0.130731113 B	(2)	146.02
35	7/8/05 1:36	HETWT	L	2	2 G	0.511371436 B	2	9.35	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.130063594 B	(2)	200.60
36	7/8/05 1:54	HETWV	L	2	2 G	0.500076501 B	2	8.97	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.091072369 B	(2)	200.65
37	7/8/05 2:11	HETWX	L	2	2 G	0.79684442 B	2	15.00	1 G	ND	1 G	ND	0.2 G	0.046793918 B	1 G	ND	(2)	82.13
38	7/8/05 2:29	HETWW	L	2	2 G	1.795633397 B	2	7.71	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.10687095 B	(2)	88.92
39	7/8/05 2:46	HETW0	L	1	1	ND	1	0.124589835 B	0.5	ND	0.5	ND	0.1	0.026487218 B	0.5	0.055875876 B	1	0.099141487 B
40	7/8/05 3:03	CCV #3	L	1	P 101%	2.53	P 94%	47.05	P 92%	2.31	P 97%	9.71	P 98%	2.46	Out 113%	2.83	P 95%	47.31
41	7/8/05 3:21	CCB #3	L	1	P< 1	0.014785305 B	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.10758144 B	P< 1	ND
42	7/8/05 3:38	HET38 ORG	L	2	2 G	0.138370348 B	(2)	10.97	1 G	ND	1 G	ND	0.2 G	0.014679131 B	1 G	0.1861418 B	2	35.79
43	7/8/05 3:56	HET38 MS	L	2	P 111%	2.92	P 88%	55.08	P 90%	2.26	P 95%	9.54	P 97%	2.43	P 149%	3.91	P 91%	81.11
44	7/8/05 4:13	HET4D	L	5	5 G	0.149820233 B	(5)	27.06	2.5 G	ND	2.5 G	ND	0.5	0.81	2.5 G	0.558546782 B	5	779.42
45	7/8/05 4:30	HET4F	L	50	50	178.47	(50)	96.26	25 G	ND	25	729.44	5 G	ND	25 G	11.997705367 B	50 G	15.892739213 B
46	7/8/05 4:48	HET4H	L	50	50	51.25	(50)	136.91	25 G	ND	25 G	11.033372611 B	5 G	ND	25 G	1.979210482 B	50 G	2.281194144 B
47	7/8/05 5:05	HEXMX	L	25	25 G	ND	(25)	405.40	12.5 G	ND	12.5 G	1.726719333 B	2.5 G	ND	12.5 G	0.713217717 B	25 G	10.031784633 B
48	7/8/05 5:23	HEXM0	L	100	100 G	5.073593159 B	(100)	778.01	50 G	ND	50 G	ND	10 G	ND	50 G	10.036542085 B	100 G	33.543738139 B
49	7/8/05 5:40	HEXM1	L	5	5 G	0.265324115 B	(5)	145.37	2.5 G	ND	2.5 G	0.187545485 B	0.5 G	ND	2.5 G	0.203187443 B	(5)	541.48
50	7/8/05 5:57	HEXM3	L	25	25 G	0.292081646 B	(25)	440.88	12.5 G	ND	12.5 G	ND	2.5 G	ND	12.5 G	0.284865031 B	(25)	862.22
51	7/8/05 6:15	HEX6V	L	2	2 G	0.040287806 B	(2)	46.00	1 G	ND	1 G	ND	0.2	0.88	1 G	0.049141685 B	2	156.00

G - diluted for another analyte or matrix
B - estimated result, < RL

STL North Canton

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX-320 062005.met Instrument : DX320 Date Analyzed: 7/7/05

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
	DX320	RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	20-Jun-05	Highest Cal Std conc & area			10	1212466	200	23125052	10	1682988.7	40	1459965.2	10	2112276	10	926912.8	200	15542477
52	7/8/05 6:32	CCV #4	L	1	P 100%	2.49	P 95%	47.39	P 93%	2.33	P 97%	9.73	P 98%	2.44	Out 114%	2.86	P 94%	47.23
53	7/8/05 6:50	CCB #4	L	1	P< 1	0.013125947 B	P< 1	0.052167857 B	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.11550564 B	P< 1	ND
54	7/8/05 7:07	HE03X ORG	L	2	2 G	0.091936441 B	(2)	3.30	1 G	ND	1 G	ND	0.2 G	0.135371541 B	1 G	0.032456047 B	(2)	107.73
55	7/8/05 7:24	HE03X MS	L	2	P 105%	2.73	P 87%	46.68	P 91%	2.29	P 96%	9.58	P 99%	2.62	P 198%	4.99	P 91%	153.12
56	7/8/05 7:42	HE030	L	5	5 G	0.391825541 B	(5)	5.08	2.5 G	ND	2.5 G	ND	0.5 G	0.066392748 B	2.5 G	0.546672213 B	(5)	600.96
57	7/8/05 7:59	HE032	L	1	1	0.101722616 B	1	0.633277187 B	0.5	ND	0.5	ND	0.1	0.30	0.5	0.064918064 B	1	102.75
58	7/8/05 8:17	HE033	L	2	2 G	0.165151921 B	2 G	1.456913892 B	1 G	ND	1 G	ND	0.2	3.26	1 G	0.087726486 B	(2)	267.07
59	7/8/05 8:34	LCS	L	1	P 102%	2.56	P 90%	45.10	P 91%	2.27	P 94%	9.37	P 94%	2.36	P 110%	2.74	P 90%	45.14
60	7/8/05 8:52	LCS DUP	L	1	P 98%	2.45	P 90%	45.11	P 91%	2.27	P 93%	9.33	P 94%	2.34	P 110%	2.75	P 90%	45.09
61	7/8/05 9:09	LBLK	S	1	10	ND	10	0.36956032 B	5	ND	5	ND	1	ND	5	1.96649012 B	10	ND
62	7/8/05 9:26	HEWJV	S	1	10	2.86148301 B	10	Dil 2X	5	Dil 50X	5	183.46	1	ND	5	ND	10	156.26
63	7/8/05 9:44	HEWJT	S	1	10	2.22842036 B	10	ND	5	Dil 200X	5	182.02	1	1.35	5	0.58309918 B	10	70.34
64	7/8/05 10:01	CCV	L	1	P 103%	2.57	P 95%	47.59	P 92%	2.31	P 97%	9.75	P 98%	2.45	Out 119%	2.97	P 94%	47.10
65	7/8/05 10:19	CCB	L	1	P< 1	ND	P< 1	0.056988568 B	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.200851442 B	P< 1	0.019554371 B
66	7/8/05 10:36	HEXA9	S	1	10	ND	10	ND	5	Dil 200X	5	47.21	1	ND	5	0.50387125 B	10	707.74
67	7/8/05 10:53	HEPNX	S	1	10	1.88543726 B	10	13.36	5	ND	5	ND	1	ND	5	0.40684254 B	10	30.10
68	7/8/05 11:11	LCS	L	1	P 98%	2.44	P 91%	45.42	P 92%	2.30	P 94%	9.40	P 95%	2.39	P 112%	2.80	P 90%	45.05
69	7/8/05 11:28	LCS DUP	L	1	P 98%	2.44	P 91%	45.51	P 91%	2.27	P 95%	9.46	P 94%	2.36	P 106%	2.65	P 91%	45.25
70	7/8/05 11:46	HEWJW	S	1	10	5.17331918 B	10	Dil 2X	5	Dil 50X	5	180.14	1	ND	5	0.76627474 B	10	96.59
71	7/8/05 12:03	HERA9	S	1	10	1.58689184 B	10	ND	5	Dil 200X	5	3.63444922 B	1	ND	5	ND	10	526.19
72	7/8/05 12:20	CCV	L	1	P 102%	2.55	P 95%	47.30	P 94%	2.34	P 98%	9.77	P 98%	2.44	Out 124%	3.09	P 95%	47.36
73	7/8/05 12:38	CCB	L	1	P< 1	0.012092225 B	P< 1	0.052701934 B	P< 0.5	0.006988705 B	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.096825506 B	P< 1	0.030302037 B
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!

G - diluted for another analyte or matrix
B - estimated result, < RL

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX-320 062005.met Instrument : DX320 Date Analyzed: 7/7/05

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
	DX320	RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	20-Jun-05	Highest Cal Std conc & area			10	1212466	200	23125052	10	1682988.7	40	1459965.2	10	2112276	10	926912.8	200	15542477
52	7/8/05 6:32	CCV #4	L	1	P 100%	2.49	P 95%	47.39	P 93%	2.33	P 97%	9.73	P 98%	2.44	Dil 1:10	2.86	P 94%	47.23
53	7/8/05 6:50	CCB #4	L	1	P< 1	0.013125947 B	P< 1	0.052167857 B	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.11550564 B	P< 1	ND
54	7/8/05 7:07	HE03X ORG	L	2	2 G	0.091936441 B	2	3.30	1 G	ND	1 G	ND	0.2 G	0.135371541 B	1 G	0.032456047 B	2	107.73
55	7/8/05 7:24	HE03X MS	L	2	P 105%	2.73	P 87%	46.68	P 91%	2.29	P 96%	9.58	P 99%	2.62	P 198%	4.99	P 91%	153.12
56	7/8/05 7:42	HE030	L	5	5 G	0.391825541 B	5	5.08	2.5 G	ND	2.5 G	ND	0.5 G	0.066392748 B	2.5 G	0.546672213 B	5	600.96
57	7/8/05 7:59	HE032	L	1	1	0.101722616 B	1	0.633277187 B	0.5	ND	0.5	ND	0.1	0.30	0.5	0.064918064 B	1	102.75
58	7/8/05 8:17	HE033	L	2	2 G	0.165151921 B	2 G	1.456913892 B	1 G	ND	1 G	ND	0.2	3.26	1 G	0.087726486 B	2	267.07
59	7/8/05 8:34	LCS	L	1	P 102%	2.56	P 90%	45.10	P 91%	2.27	P 94%	9.37	P 94%	2.36	P 110%	2.74	P 90%	45.14
60	7/8/05 8:52	LCS DUP	L	1	P 98%	2.45	P 90%	45.11	P 91%	2.27	P 93%	9.33	P 94%	2.34	P 110%	2.75	P 90%	45.09
61	7/8/05 9:09	LBLK	S	1	10	ND	10	0.36956032 B	5	ND	5	ND	1	ND	5	1.96649012 B	10	ND
62	7/8/05 9:26	HEWJV	S	1	10	2.86148301 B	10	Dil 2X	5	Dil 50X	5	183.46	1	ND	5	ND	10	156.26
63	7/8/05 9:44	HEWJT	S	1	10	2.22842036 B	10	ND	5	Dil 200X	5	182.02	1	1.35	5	0.58309918 B	10	70.34
64	7/8/05 10:01	CCV	L	1	P 103%	2.57	P 95%	47.59	P 92%	2.31	P 97%	9.75	P 98%	2.45	Dil 1:10	2.97	P 94%	47.10
65	7/8/05 10:19	CCB	L	1	P< 1	ND	P< 1	0.056988568 B	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.200851442 B	P< 1	0.019554371 B
66	7/8/05 10:36	HEXA9	S	1	10	ND	10	ND	5	Dil 200X	5	47.21	1	ND	5	0.50387125 B	10	707.74
67	7/8/05 10:53	HEPNX	S	1	10	1.88543726 B	10	13.36	5	ND	5	ND	1	ND	5	0.40684254 B	10	30.10
68	7/8/05 11:11	LCS	L	1	P 98%	2.44	P 91%	45.42	P 92%	2.30	P 94%	9.40	P 95%	2.39	P 112%	2.80	P 90%	45.05
69	7/8/05 11:28	LCS DUP	L	1	P 98%	2.44	P 91%	45.51	P 91%	2.27	P 95%	9.46	P 94%	2.36	P 106%	2.65	P 91%	45.25
70	7/8/05 11:46	HEWJW	S	1	10	5.17331918 B	10	Dil 2X	5	Dil 50X	5	180.14	1	ND	5	0.76627474 B	10	96.59
71	7/8/05 12:03	HERA9	S	1	10	1.58689184 B	10	ND	5	Dil 200X	5	3.63444922 B	1	ND	5	ND	10	526.19
72	7/8/05 12:20	CCV	L	1	P 102%	2.55	P 95%	47.30	P 94%	2.34	P 98%	9.77	P 98%	2.44	Dil 1:10	3.09	P 95%	47.36
73	7/8/05 12:38	CCB	L	1	P< 1	0.012092225 B	P< 1	0.052701934 B	P< 0.5	0.006988705 B	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.096825506 B	P< 1	0.030302037 B
74	7/8/05 12:55	HE2G2	L	1	1	0.186547374 B	1	155.60	0.5	ND	0.5	ND	0.1	ND	0.5	0.023465539 B	1	165.60
75	7/8/05 13:13	HE2G2	L	5	5 G	0.10814497 B	5	138.48	2.5 G	ND	2.5 G	0.169706208 B	0.5 G	ND	2.5 G	0.205419422 B	5	139.08
76	7/8/05 13:30	HE2HE	L	1	1	0.192397003 B	1	163.38	0.5	ND	0.5	ND	0.1	ND	0.5	0.014191771 B	1	81.03

G - diluted for another analyte or matrix
B - estimated result, < RL

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX-320 062005.met Instrument : DX320 Date Analyzed: 7/7/05

Units: mg/L or mg/Kg

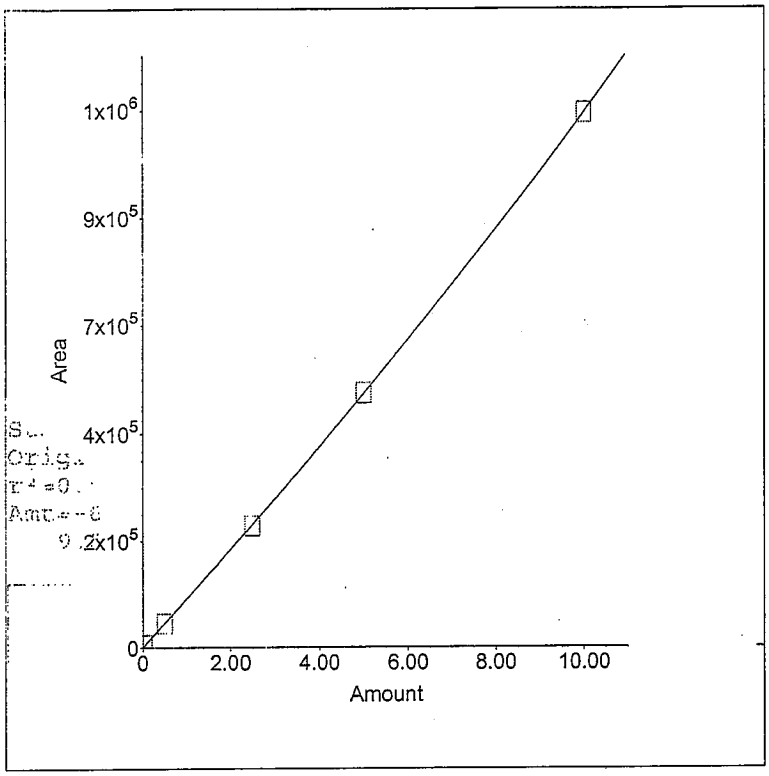
Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
	DX320	RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	20-Jun-05	Highest Cal Std conc & area			10	1212466	200	23125052	10	1682988.7	40	1459965.2	10	2112276	10	926912.8	200	15542477
77	7/8/05 13:47	HE2HE	L	5	5 G	0.333306087 B	5	145.04	2.5 G	ND	2.5 G	ND	0.5 G	0.031009511 B	2.5 G	0.290369768 B	5	66.09
78	7/8/05 14:05	HE2HH	L	1	1	0.147017176 B	1	191.92	0.5	ND	0.5	ND	0.1	ND	0.5	ND	1	89.99
79	7/8/05 14:33	HEWJT	L	200	200 G	ND	(200)	1653.56	100 G	ND	100 G	11.09053758 B	20 G	ND	100 G	3.725764022 B	200 G	6.870914246 B
80	7/8/05 14:50	HEWJV	L	100	100 G	ND	(100)	1819.24	50 G	ND	50 G	14.807412292 B	10 G	ND	50 G	3.06383861 B	100 G	6.58764141 B
81	7/8/05 15:07	HEWJW	L	100	100 G	ND	(100)	1606.15	50 G	ND	50 G	13.65715895 B	10 G	ND	50 G	ND	100 G	2.1319723 B
82	7/8/05 15:25	HE2HL	L	1	1	0.184686585 B	1	141.95	0.5	ND	0.5	ND	0.1	0.10	0.5	0.010720819 B	1	80.61
83	7/8/05 15:42	CCV	L	1	P 100%	2.50	P 94%	47.08	P 92%	2.30	P 96%	9.61	P 98%	2.45	Out 114%	2.85	P 95%	47.35
84	7/8/05 16:00	CCB	L	1	P< 1	ND	P< 1	0.107588831 B	P< 0.5	ND	P< 0.5	ND	P< 0.1	0.005582724 B	P< 0.5	0.054974541 B	P< 1	0.019059192 B
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!

G - diluted for another analyte or matrix
B - estimated result, < RL

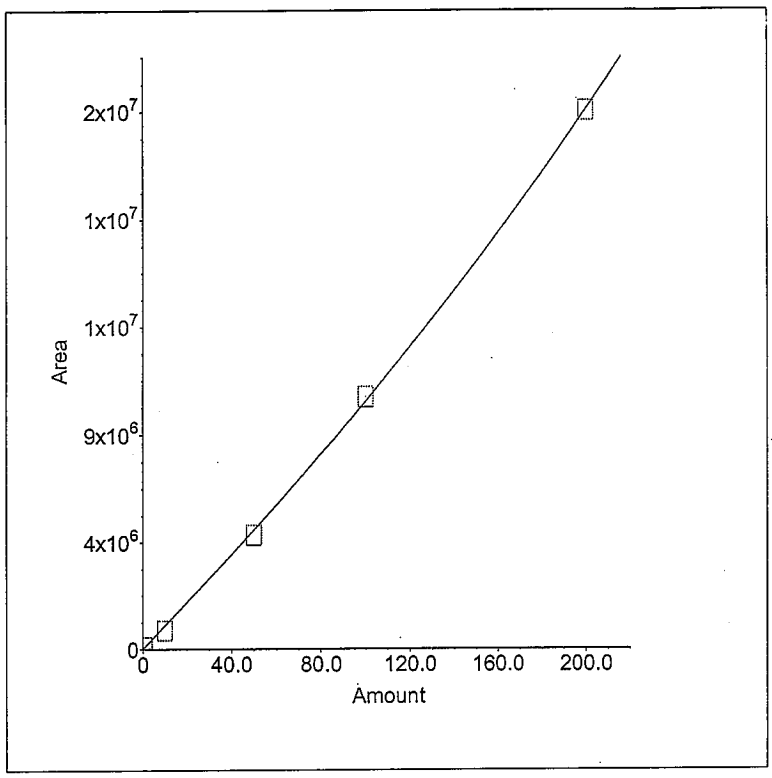
Line	Sample	Sample Type	Level	Method	Data File	Dilution	Weight
1	RINSE	Sample		dx-320 062005.met	dx 320 data\070705\rinse_001.dxd	1	1
2	ICV	Sample		dx-320 062005.met	dx 320 data\070705\icv_002.dxd	1	1
3	ICB	Sample		dx-320 062005.met	dx 320 data\070705\icb_003.dxd	1	1
4	LCS	Sample		dx-320 062005.met	dx 320 data\070705\lcs_004.dxd	1	1
5	LCS DUP	Sample		dx-320 062005.met	dx 320 data\070705\lcs dup_005.dxd	1	1
6	HE1DD	Sample		dx-320 062005.met	dx 320 data\070705\he1dd_006.dxd	1	1
7	HE1DD	Sample		dx-320 062005.met	dx 320 data\070705\he1dd_007.dxd	2	1
8	HE1DG	Sample		dx-320 062005.met	dx 320 data\070705\he1dg_008.dxd	1	1
9	HE1DG	Sample		dx-320 062005.met	dx 320 data\070705\he1dg_009.dxd	5	1
10	HE1DJ ORG	Sample		dx-320 062005.met	dx 320 data\070705\he1dj org_010.dxd	1	1
11	HE1DJ MS	Sample		dx-320 062005.met	dx 320 data\070705\he1dj ms_011.dxd	1	1
12	HE1DJ	Sample		dx-320 062005.met	dx 320 data\070705\he1dj_012.dxd	5	1
13	HE1DK	Sample		dx-320 062005.met	dx 320 data\070705\he1dk_013.dxd	1	1
14	HE1DK	Sample		dx-320 062005.met	dx 320 data\070705\he1dk_014.dxd	5	1
15	HE1DL	Sample		dx-320 062005.met	dx 320 data\070705\he1dl_015.dxd	1	1
16	CCV #1	Sample		dx-320 062005.met	dx 320 data\070705\ccv #1_016.dxd	1	1
17	CCB #1	Sample		dx-320 062005.met	dx 320 data\070705\ccb #1_017.dxd	1	1
18	HE1DL	Sample		dx-320 062005.met	dx 320 data\070705\he1dl_018.dxd	20	1
19	HE1DN	Sample		dx-320 062005.met	dx 320 data\070705\he1dn_019.dxd	1	1
20	HE1DN	Sample		dx-320 062005.met	dx 320 data\070705\he1dn_020.dxd	5	1
21	HE1DP	Sample		dx-320 062005.met	dx 320 data\070705\he1dp_021.dxd	1	1
22	HE1DP	Sample		dx-320 062005.met	dx 320 data\070705\he1dp_022.dxd	5	1
23	HE1DQ	Sample		dx-320 062005.met	dx 320 data\070705\he1dq_023.dxd	1	1
24	HE1DQ	Sample		dx-320 062005.met	dx 320 data\070705\he1dq_024.dxd	5	1
25	HE1DR ORG	Sample		dx-320 062005.met	dx 320 data\070705\he1dr org_025.dxd	1	1
26	HE1DR MS	Sample		dx-320 062005.met	dx 320 data\070705\he1dr ms_026.dxd	1	1
27	HE1DR	Sample		dx-320 062005.met	dx 320 data\070705\he1dr_027.dxd	5	1
28	CCV #2	Sample		dx-320 062005.met	dx 320 data\070705\ccv #2_028.dxd	1	1
29	CCB #2	Sample		dx-320 062005.met	dx 320 data\070705\ccb #2_029.dxd	1	1
30	HEP0C	Sample		dx-320 062005.met	dx 320 data\070705\hep0c_030.dxd	1	1
31	HETWL ORG	Sample		dx-320 062005.met	dx 320 data\070705\hetwl org_031.dxd	2	1
32	HETWL MS	Sample		dx-320 062005.met	dx 320 data\070705\hetwl ms_032.dxd	2	1
33	HETWQ	Sample		dx-320 062005.met	dx 320 data\070705\hetwq_033.dxd	1	1
34	HETWR	Sample		dx-320 062005.met	dx 320 data\070705\hetwr_034.dxd	2	1
35	HETWT	Sample		dx-320 062005.met	dx 320 data\070705\hetwt_035.dxd	2	1
36	HETWV	Sample		dx-320 062005.met	dx 320 data\070705\hetwv_036.dxd	2	1
37	HETWX	Sample		dx-320 062005.met	dx 320 data\070705\hetwx_037.dxd	2	1
38	HETWW	Sample		dx-320 062005.met	dx 320 data\070705\hetww_038.dxd	2	1
39	HETW0	Sample		dx-320 062005.met	dx 320 data\070705\hetw0_039.dxd	1	1
40	CCV #3	Sample		dx-320 062005.met	dx 320 data\070705\ccv #3_040.dxd	1	1
41	CCB #3	Sample		dx-320 062005.met	dx 320 data\070705\ccb #3_041.dxd	1	1
42	HET38 ORG	Sample		dx-320 062005.met	dx 320 data\070705\het38 org_042.dxd	2	1
43	HET38 MS	Sample		dx-320 062005.met	dx 320 data\070705\het38 ms_043.dxd	2	1
44	HET4D	Sample		dx-320 062005.met	dx 320 data\070705\het4d_044.dxd	5	1
45	HET4F	Sample		dx-320 062005.met	dx 320 data\070705\het4f_045.dxd	50	1
46	HET4H	Sample		dx-320 062005.met	dx 320 data\070705\het4h_046.dxd	50	1
47	HEXMX	Sample		dx-320 062005.met	dx 320 data\070705\hexmx_047.dxd	25	1
48	HEXM0	Sample		dx-320 062005.met	dx 320 data\070705\hexm0_048.dxd	100	1
49	HEXM1	Sample		dx-320 062005.met	dx 320 data\070705\hexm1_049.dxd	5	1
50	HEXM3	Sample		dx-320 062005.met	dx 320 data\070705\hexm3_050.dxd	25	1
51	HEX6V	Sample		dx-320 062005.met	dx 320 data\070705\hex6v_051.dxd	2	1
52	CCV #4	Sample		dx-320 062005.met	dx 320 data\070705\ccv #4_052.dxd	1	1
53	CCB #4	Sample		dx-320 062005.met	dx 320 data\070705\ccb #4_053.dxd	1	1
54	HE03X ORG	Sample		dx-320 062005.met	dx 320 data\070705\he03x org_054.dxd	2	1
55	HE03X MS	Sample		dx-320 062005.met	dx 320 data\070705\he03x ms_055.dxd	2	1
56	HE030	Sample		dx-320 062005.met	dx 320 data\070705\he030_056.dxd	5	1
57	HE032	Sample		dx-320 062005.met	dx 320 data\070705\he032_057.dxd	1	1
58	HE033	Sample		dx-320 062005.met	dx 320 data\070705\he033_058.dxd	2	1
59	LCS	Sample		dx-320 062005.met	dx 320 data\070705\lcs_059.dxd	1	1
60	LCS DUP	Sample		dx-320 062005.met	dx 320 data\070705\lcs dup_060.dxd	1	1
61	LBLK	Sample		dx-320 062005.met	dx 320 data\070705\lblk_061.dxd	1	10
62	HEWJV	Sample		dx-320 062005.met	dx 320 data\070705\hewjv_062.dxd	1	10
63	HEWJT	Sample		dx-320 062005.met	dx 320 data\070705\hewjt_063.dxd	1	10
64	CCV	Sample		dx-320 062005.met	dx 320 data\070705\ccv_064.dxd	1	1
65	CCB	Sample		dx-320 062005.met	dx 320 data\070705\ccb_065.dxd	1	1
66	HEXA9	Sample		dx-320 062005.met	dx 320 data\070705\hexa9_066.dxd	1	10
67	HEPNX	Sample		dx-320 062005.met	dx 320 data\070705\hepnx_067.dxd	1	10
68	LCS	Sample		dx-320 062005.met	dx 320 data\070705\lcs_068.dxd	1	1
69	LCS DUP	Sample		dx-320 062005.met	dx 320 data\070705\lcs dup_069.dxd	1	1
70	HEWJW	Sample		dx-320 062005.met	dx 320 data\070705\hewjw_070.dxd	1	10
71	HERA9	Sample		dx-320 062005.met	dx 320 data\070705\hera9_071.dxd	1	10
72	CCV	Sample		dx-320 062005.met	dx 320 data\070705\ccv_072.dxd	1	1
73	CCB	Sample		dx-320 062005.met	dx 320 data\070705\ccb_073.dxd	1	1
74	HE2G2	Sample		dx-320 062005.met	dx 320 data\070705\he2g2_074.dxd	1	1
75	HE2G2	Sample		dx-320 062005.met	dx 320 data\070705\he2g2_075.dxd	5	1
76	HE2HE	Sample		dx-320 062005.met	dx 320 data\070705\he2he_076.dxd	1	1
77	HE2HE	Sample		dx-320 062005.met	dx 320 data\070705\he2he_077.dxd	5	1
78	HE2HH	Sample		dx-320 062005.met	dx 320 data\070705\he2hh_078.dxd	1	1
79	HEWJT	Sample		dx-320 062005.met	dx 320 data\070705\hewjt_079.dxd	200	1

verified
RW
7/8/05

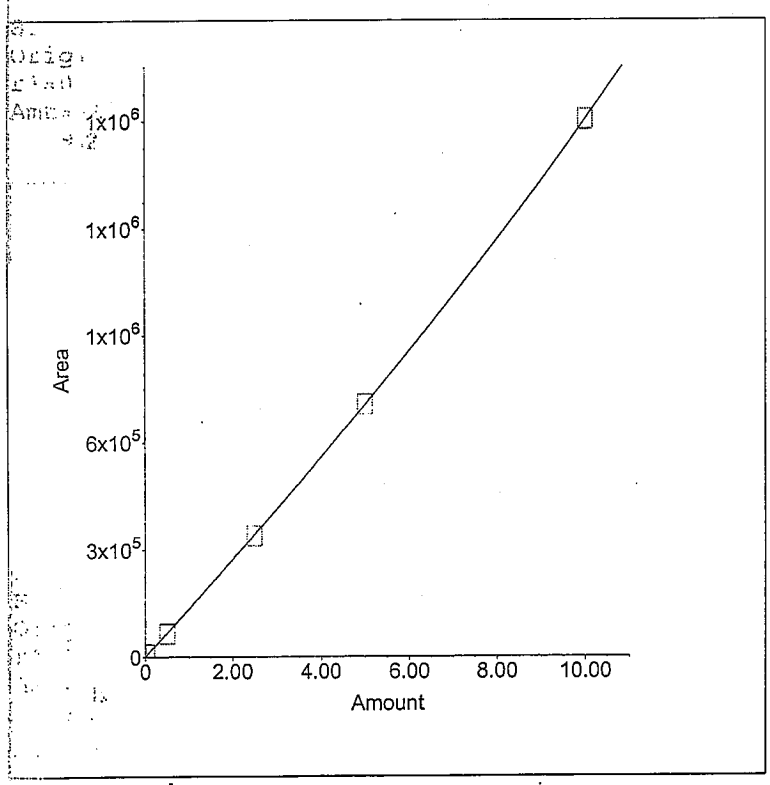
1. Component:F
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999979
Amt=-6.802238e-013*Resp^2+
9.069623e-006*Resp+0



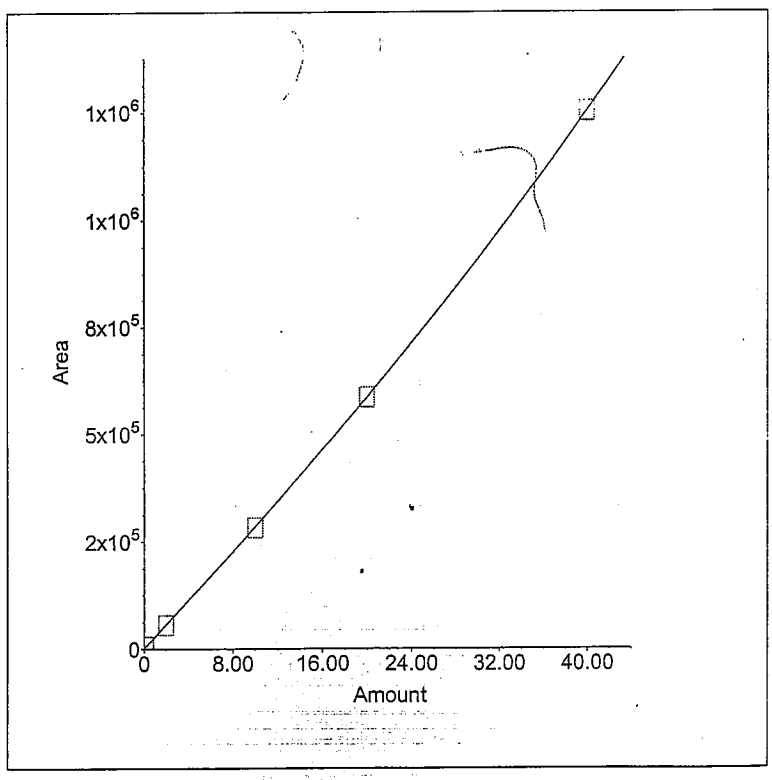
2. Component:Cl
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999608
Amt=-5.982635e-014*Resp^2+
1.002084e-005*Resp+0



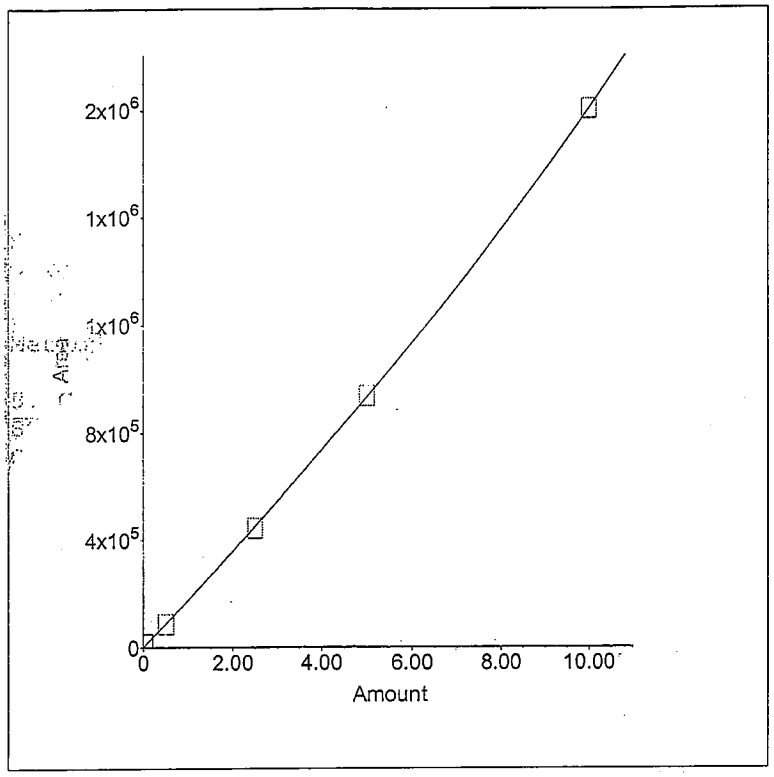
3. Component:NO2
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999988
Amt=-4.477992e-013*Resp^2+
6.693989e-006*Resp+0



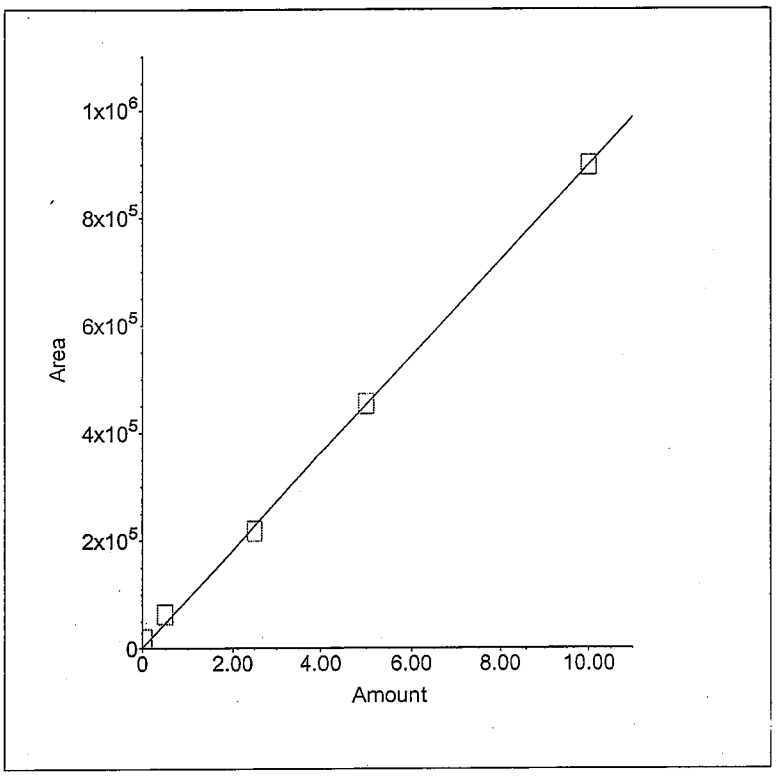
4. Component:Br
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999994
Amt=-2.453578e-012*Resp^2+
3.097663e-005*Resp+0



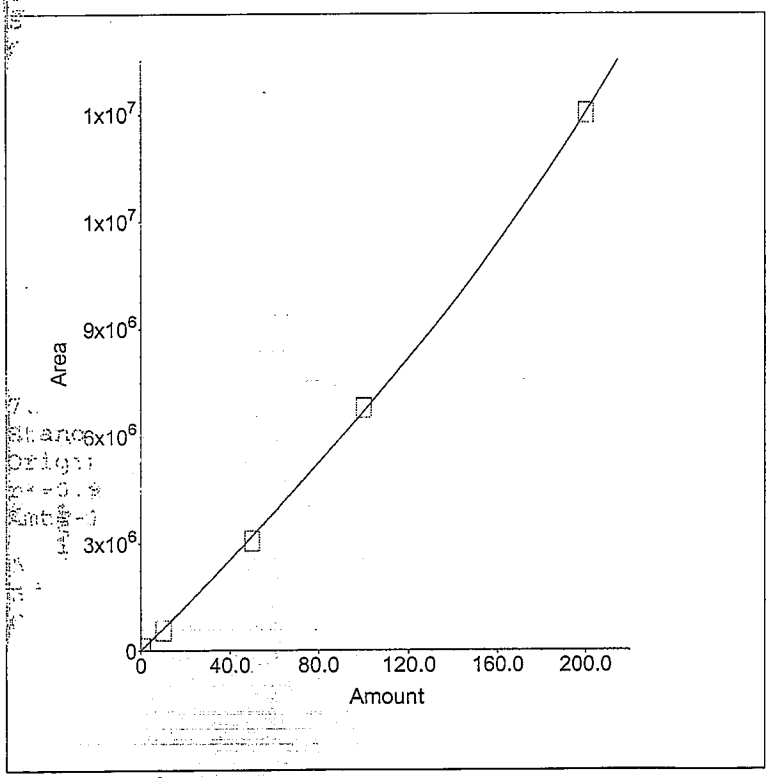
5. Component:NO3
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999968
Amt=-3.222747e-013*Resp^2+
5.413096e-006*Resp+0



6. Component:PO4
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999021
Amt=1.753826e-013*Resp^2+
1.062712e-005*Resp+0



7. Component:SO4
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999746
Amt=-1.843849e-013*Resp^2+
1.572044e-005*Resp+0



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 5 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal5_002.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:07:56 PM
Injection Volume : 1.00
Injection Number : 2

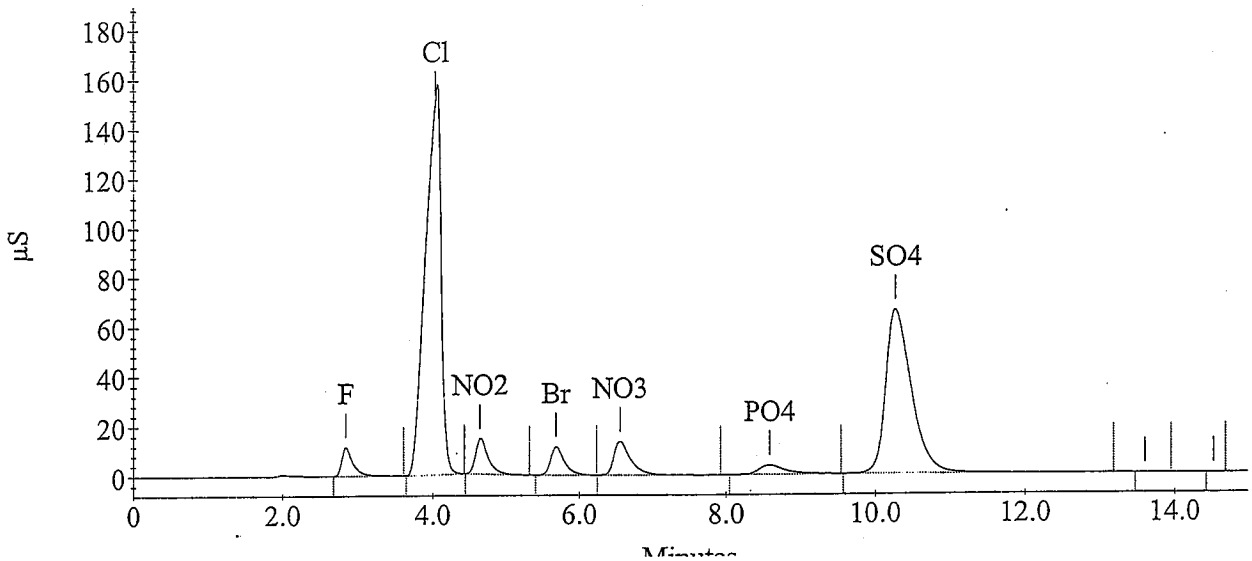
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 5:25:15 PM
Calibration Level : 5

IC5103

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	10.00	1212466	114965
Cl	4.03	200.00	23125052	1486305
NO2	4.64	10.00	1682989	141629
Br	5.68	40.00	1459965	112085
NO3	6.56	10.00	2112276	134111
PO4	8.59	10.00	926913	36893
SO4	10.27	200.00	15542477	658703

Cal std 5 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 4 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal4_003.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:25:21 PM
Injection Volume : 1.00
Injection Number : 3

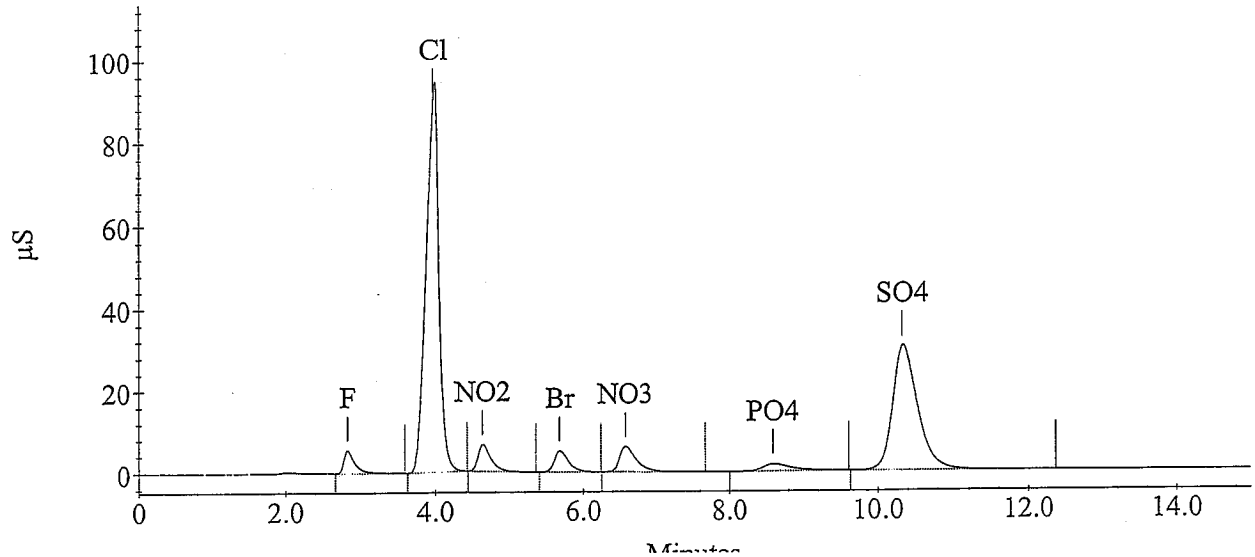
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 5:42:39 PM
Calibration Level : 4

IC5104

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	5.00	578812	55325
Cl	3.97	100.00	10841827	893395
NO2	4.63	5.00	791169	64740
Br	5.68	20.00	683769	51209
NO3	6.57	5.00	986419	61413
PO4	8.59	5.00	468319	17447
SO4	10.32	100.00	7030907	301776

Cal std 4 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 3 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal3_006.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 6:17:31 PM
Injection Volume : 1.00
Injection Number : 6

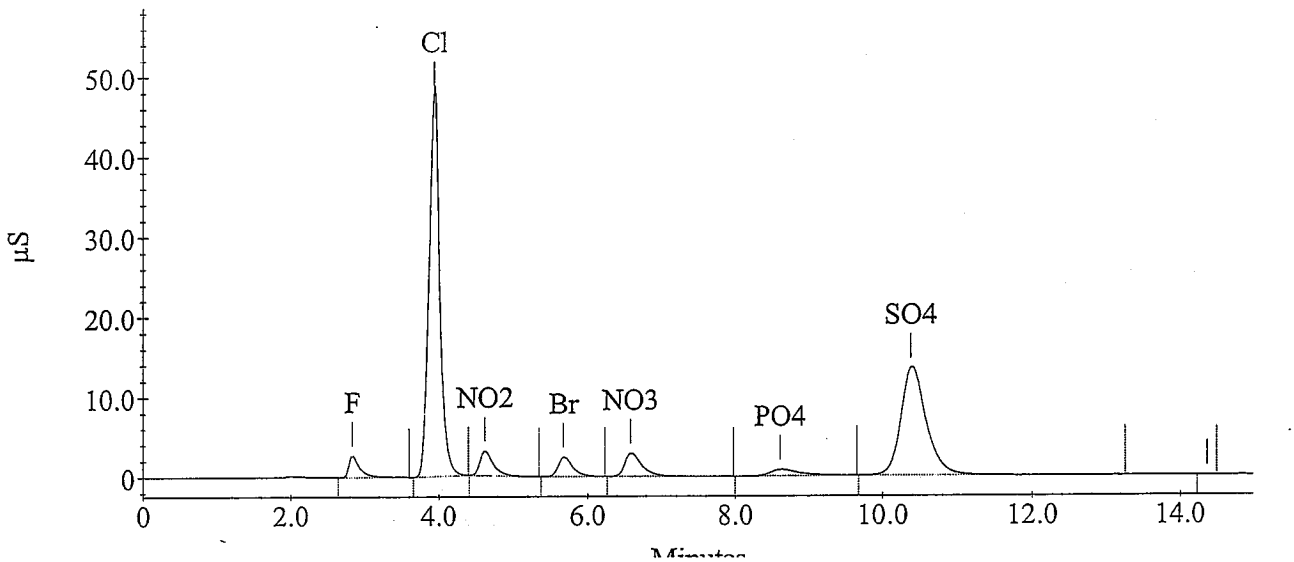
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:34:49 PM
Calibration Level : 3

IC5105

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	2.50	278153	26666
Cl	3.93	50.00	4935465	475862
NO2	4.63	2.50	380205	30683
Br	5.68	10.00	329934	24214
NO3	6.59	2.50	468512	28943
PO4	8.61	2.50	224803	8005
SO4	10.37	50.00	3175351	134220

Cal std 3 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 2 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal2_004.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:42:44 PM
Injection Volume : 1.00
Injection Number : 4

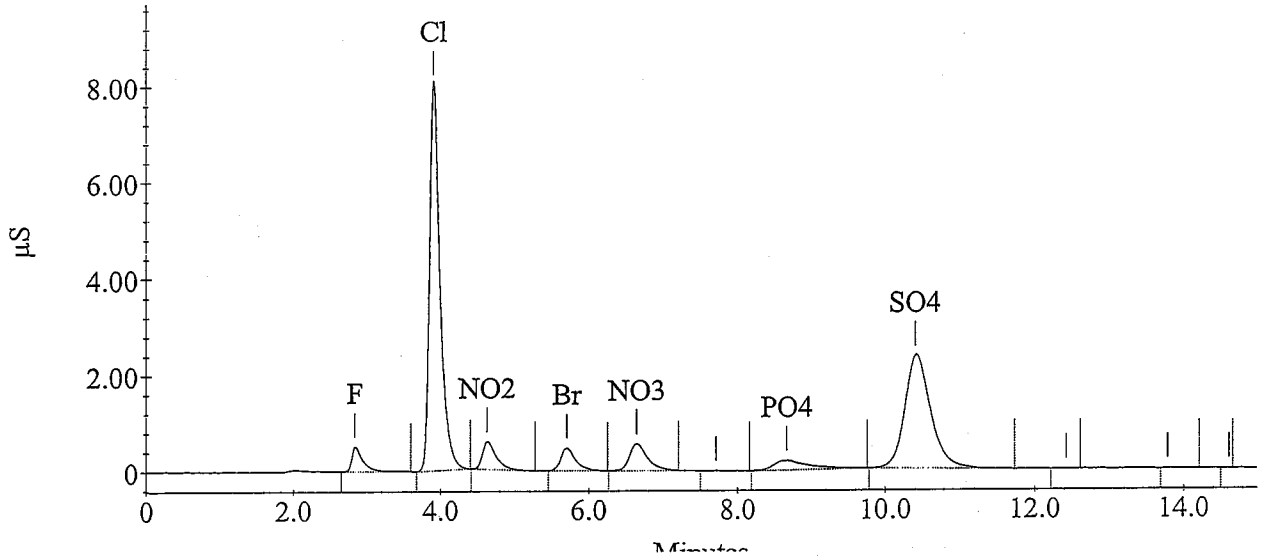
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:00:02 PM
Calibration Level : 2

IC5106

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.50	55068	5094
Cl	3.90	10.00	810030	80116
NO2	4.63	0.50	73298	5755
Br	5.71	2.00	64877	4677
NO3	6.64	0.50	90483	5553
PO4	8.67	0.50	65061	1988
SO4	10.40	10.00	578795	23268

Cal std 2 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 1 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal1_005.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 6:00:08 PM
Injection Volume : 1.00
Injection Number : 5

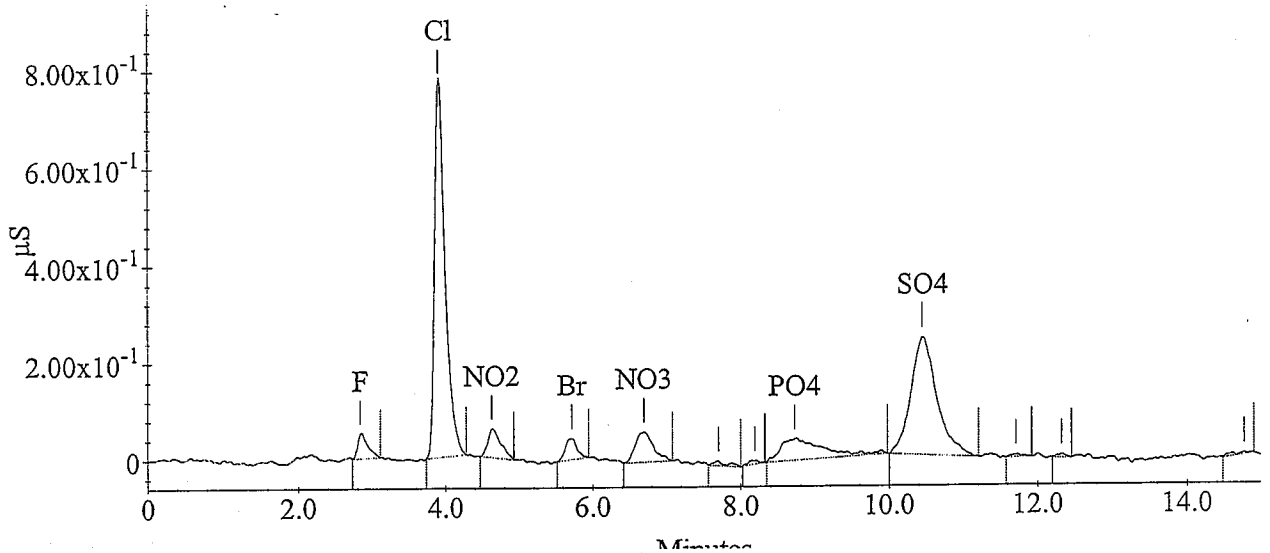
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:17:26 PM
Calibration Level : 1

IC5107

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.05	4954	500
Cl	3.90	1.00	78690	7687
NO2	4.63	0.05	7261	580
Br	5.72	0.20	4777	434
NO3	6.69	0.05	10509	617
PO4	8.72	0.05	17096	438
SO4	10.45	1.00	59704	2416

Cal std 1 IC 9011-0007

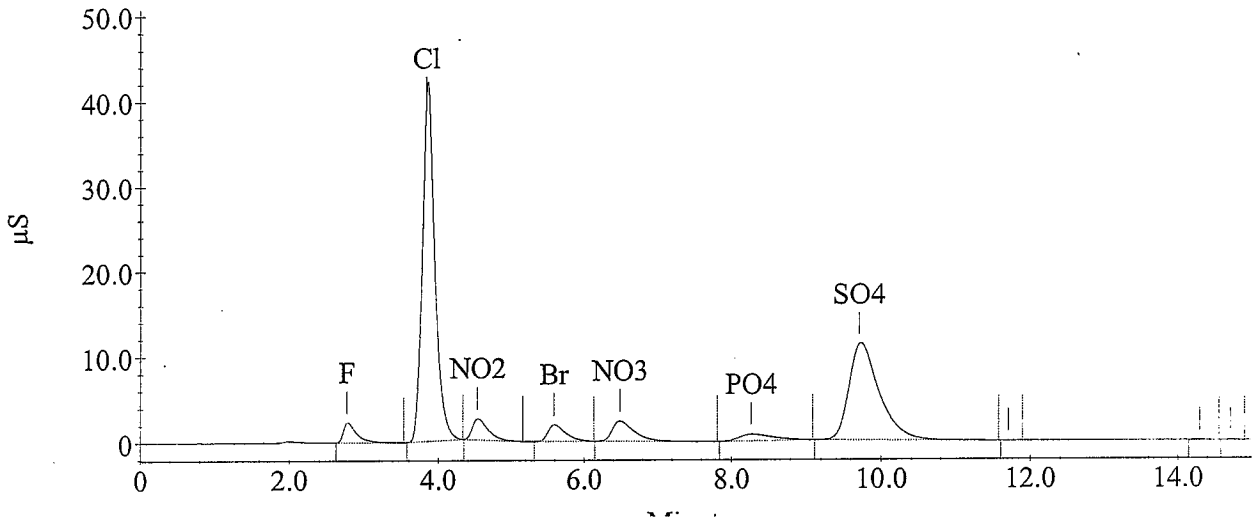


STL North Canton Ion Chromatography Analysis Report

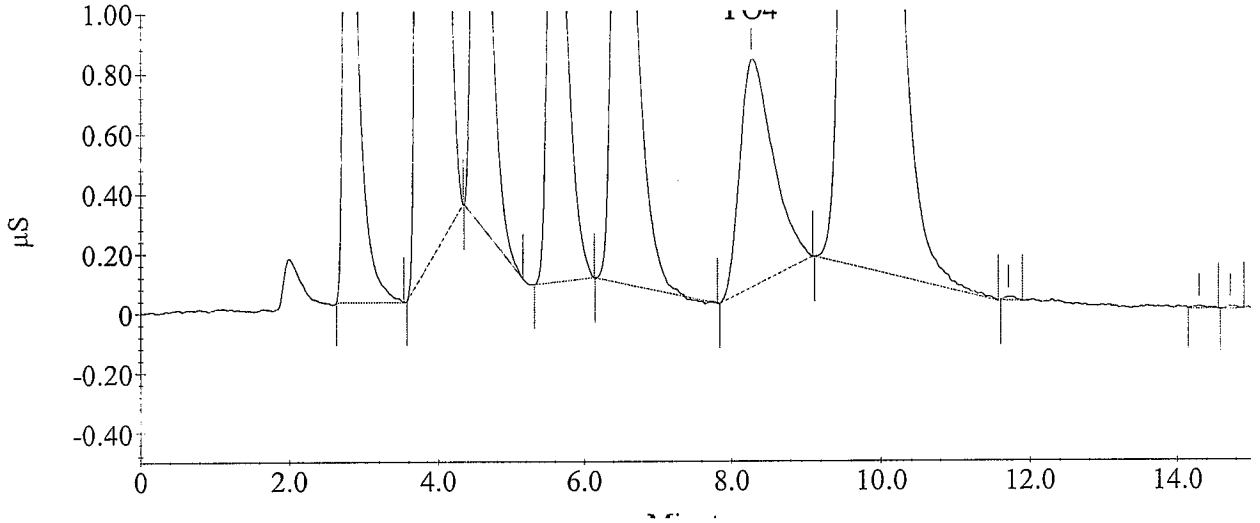
Sample Name : ICV
Data File Name : c:\peaknet\data\dx 320 data\070705\ICV_002.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 2
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 4:02:19 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

ICV



ICV



STL North Canton Ion Chromatography Analysis Report

Sample Name : ICV
Data File Name : c:\peaknet\data\dx 320 data\070705\ICV_002.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 4:02:19 PM
Sample Weight : 1.00000
Injection Number : 2
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.52	284463	22753
Cl	3.83	47.33	4864579	389904
NO2	4.53	2.39	365614	24639
Br	5.59	9.72	322133	19334
NO3	6.49	2.50	474670	23394
PO4	8.27	2.53	236731	7576
SO4	9.71	47.32	3124589	111689

Peak Information : Unknown Peaks

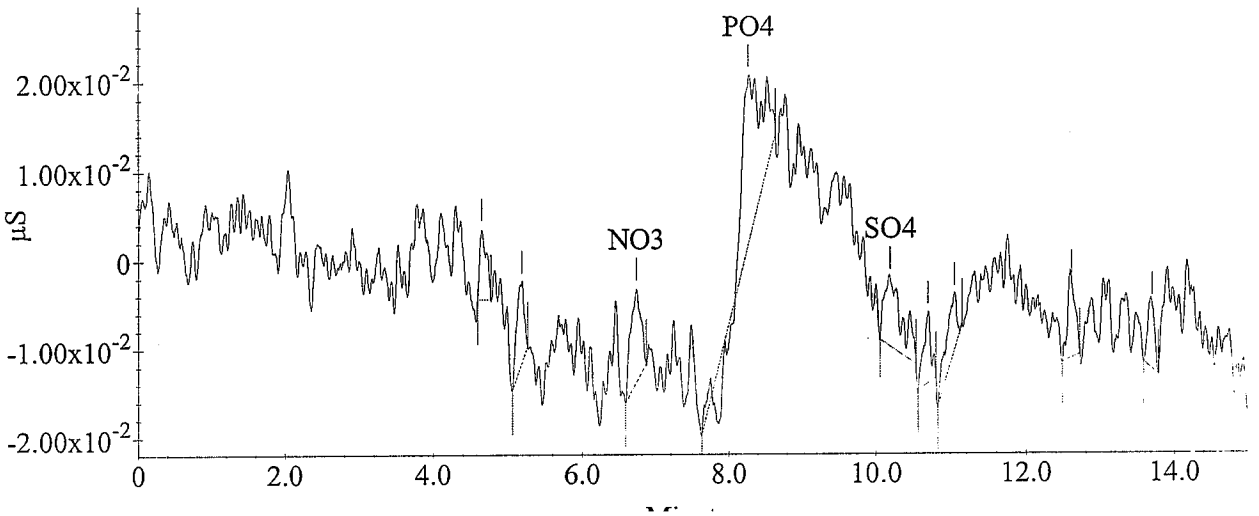
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	11.71	0.00	1206	109
	14.29	0.00	1111	87
	14.72	0.00	744	90

STL North Canton Ion Chromatography Analysis Report

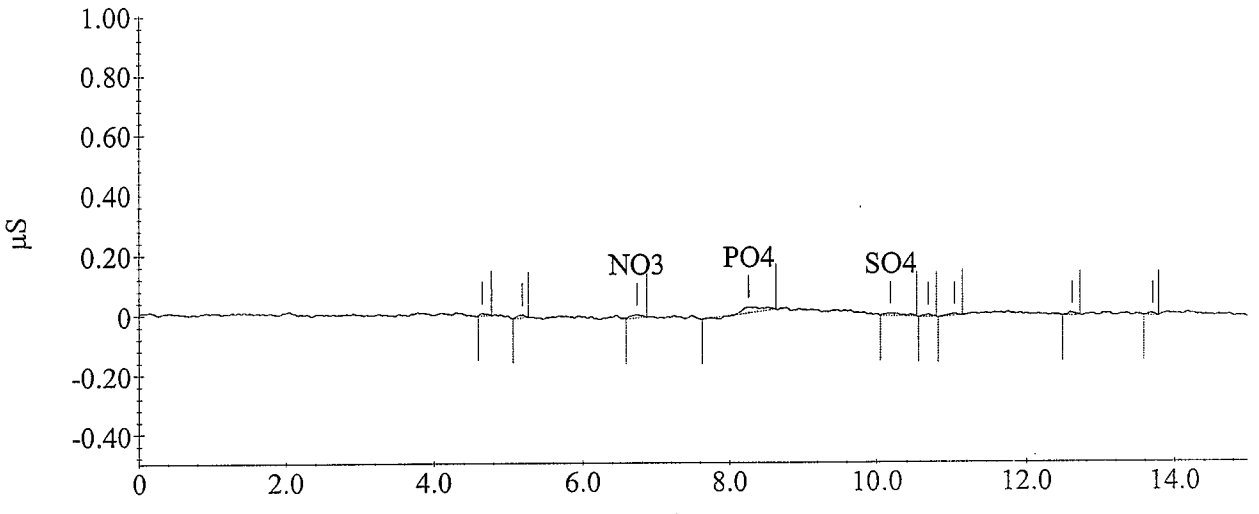
Sample Name : ICB
Data File Name : c:\peaknet\data\dx 320 data\070705\ICB_003.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 3
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 4:19:44 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

ICB



ICB



STL North Canton Ion Chromatography Analysis Report

Sample Name : ICB
Data File Name : c:\peaknet\data\dx 320 data\070705\ICB_003.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 4:19:44 PM
Sample Weight : 1.00000
Injection Number : 3
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	4.65	0.00	494	78
Cl				
NO2				
Br				
NO3	6.73	0.01	1030	105
PO4	8.27	0.03	2930	189
SO4	10.19	0.02	1300	77

Peak Information : Unknown Peaks

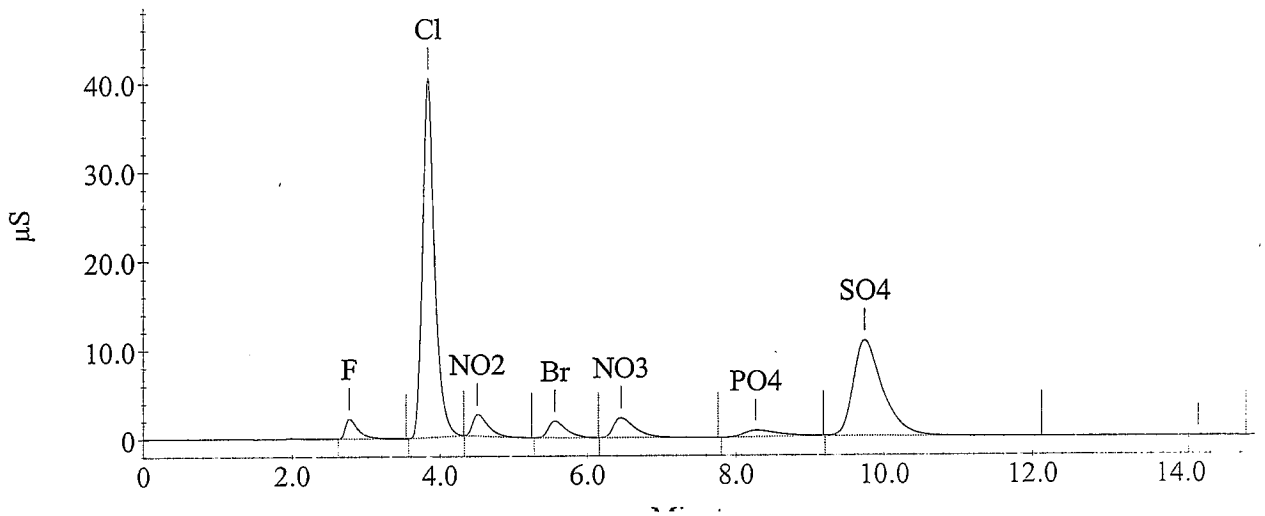
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	4.65	0.00	494	78
	5.19	0.00	670	92
	10.69	0.00	534	79
	11.04	0.00	648	64
	12.61	0.00	657	84
	13.71	0.00	490	73

STL North Canton Ion Chromatography Analysis Report

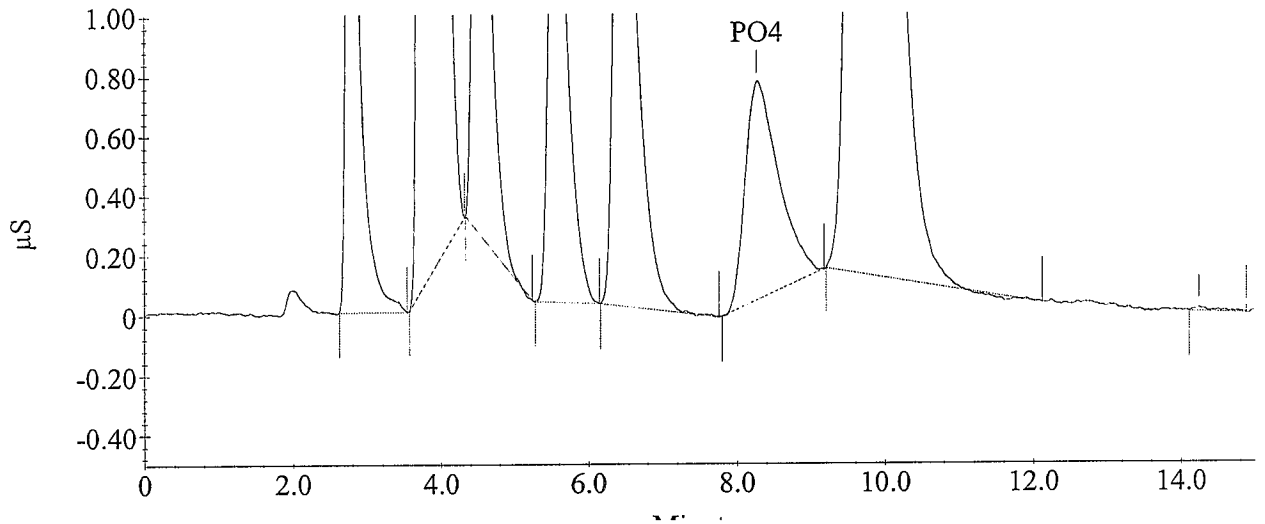
Sample Name : LCS
Data File Name : c:\peaknet\data\dx 320 data\070705\LCS_004.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 4
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 4:37:08 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS



LCS



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\dx 320 data\070705\LCS_004.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 4:37:08 PM
Sample Weight : 1.00000

Injection Number : 4
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.43	273721	22324
Cl	3.83	45.11	4629347	402763
NO2	4.51	2.33	356955	24243
Br	5.56	9.37	310127	18800
NO3	6.45	2.35	445574	22326
PO4	8.27	2.43	228083	7282
SO4	9.73	45.05	2968759	107344

Peak Information : Unknown Peaks

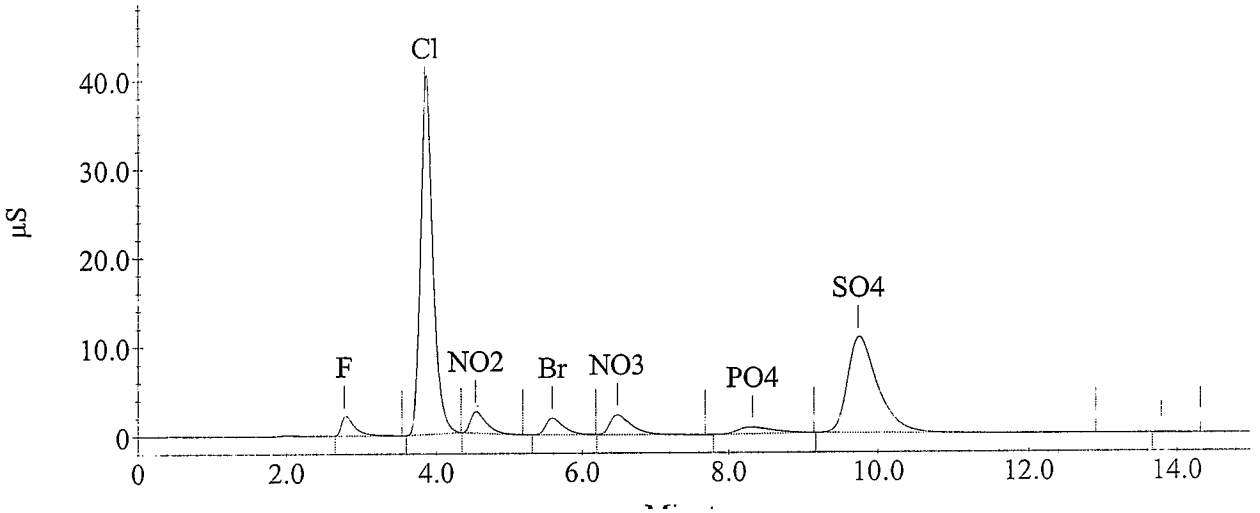
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	14.24	0.00	2656	130

STL North Canton Ion Chromatography Analysis Report

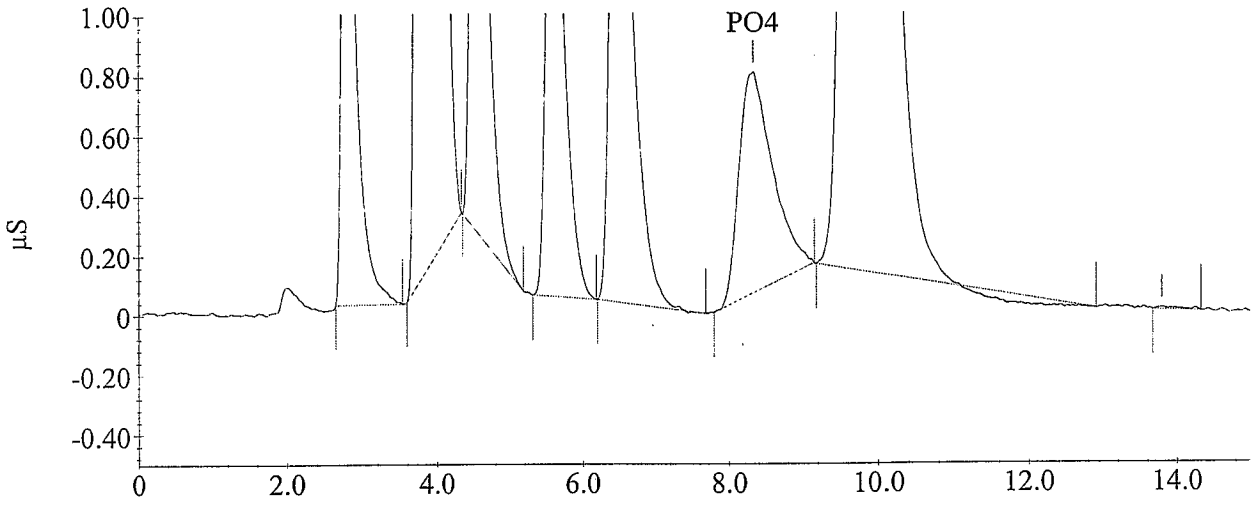
Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx 320 data\070705\LCS DUP_005.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 5
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 4:54:33 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS DUP



LCS DUP



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx 320 data\070705\LCS DUP_005.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 4:54:33 PM
Sample Weight : 1.00000

Injection Number : 5
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.40	270466	21053
Cl	3.83	45.16	4634837	377248
NO2	4.53	2.33	356272	24193
Br	5.59	9.37	310138	18787
NO3	6.48	2.34	443949	22239
PO4	8.32	2.48	232897	7343
SO4	9.73	44.84	2954960	106696

Peak Information : Unknown Peaks

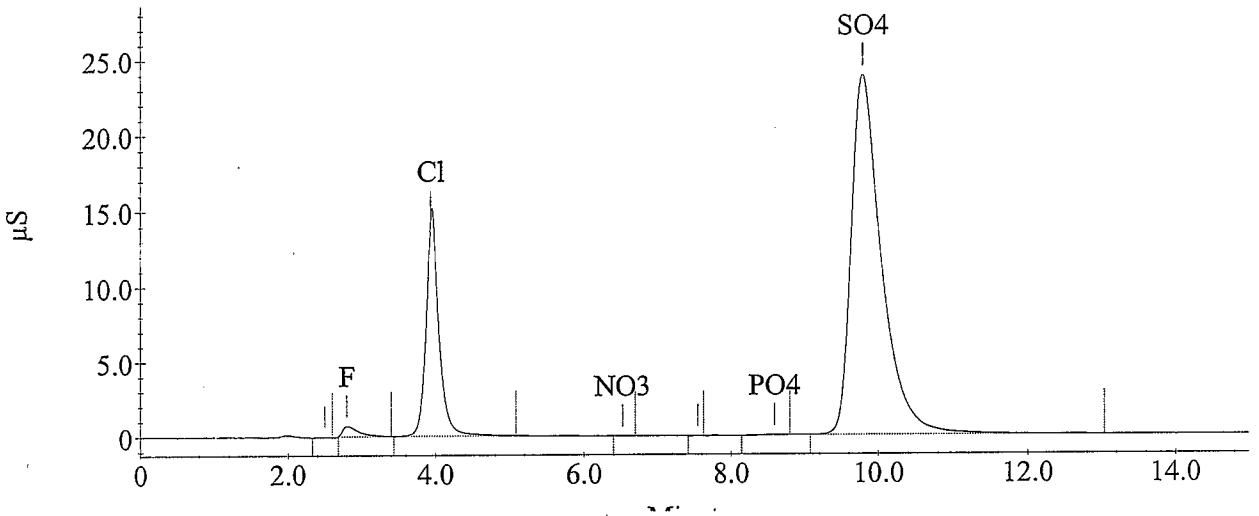
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	13.79	0.00	1754	73

STL North Canton Ion Chromatography Analysis Report

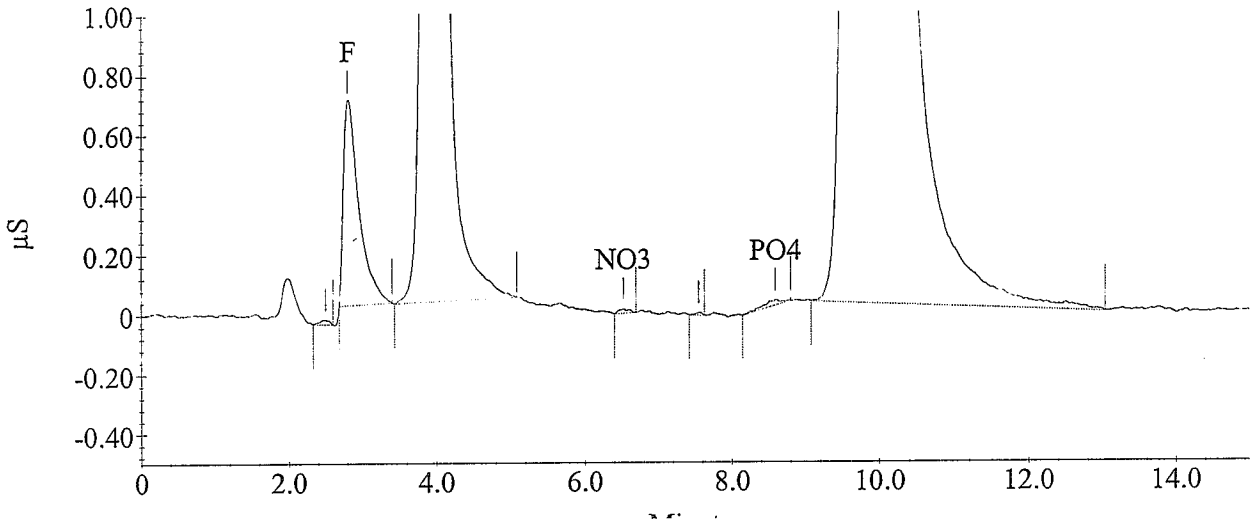
Sample Name : HE1DD
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DD_006.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 6
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 5:11:57 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DD



HE1DD



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DD
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DD_006.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 5:11:57 PM
Sample Weight : 1.00000
Injection Number : 6
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.91	100651	6786
Cl	3.93	17.64	1779182	142415
NO2				
Br				
NO3	6.52	0.01	1295	133
PO4	8.59	0.03	2922	169
SO4	9.79	98.56	6814158	238018

Peak Information : Unknown Peaks

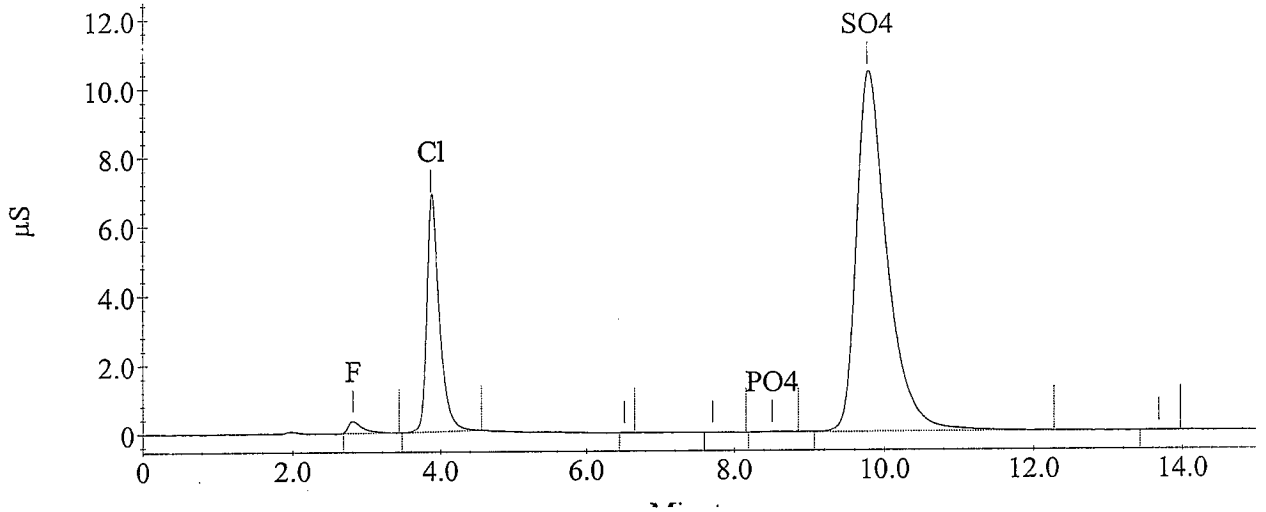
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.50	0.00	1423	146
	7.55	0.00	513	81

STL North Canton Ion Chromatography Analysis Report

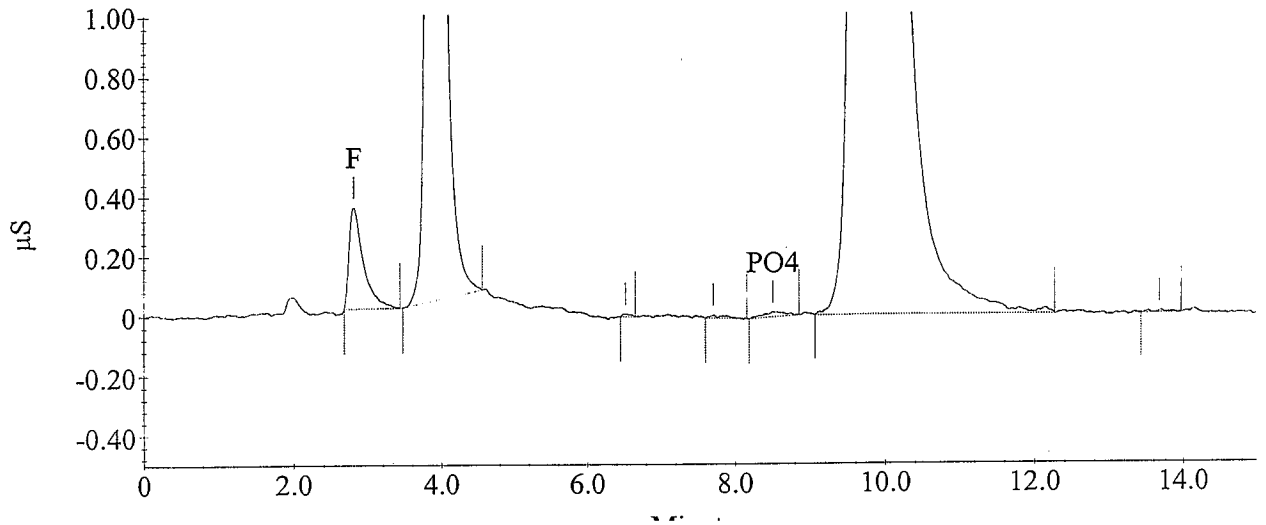
Sample Name : HE1DD
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DD_007.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 7
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 5:29:22 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 2.00

HE1DD



HE1DD



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DD
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DD_007.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 5:29:22 PM
Sample Weight : 1.00000
Injection Number : 7
System Name : IC
System Operator : RN
Dilution Factor : 2.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.83	45726	3382
Cl	3.87	16.33	818640	66683
NO2				
Br				
NO3				
PO4	8.51	0.06	3030	155
SO4	9.76	90.73	2990726	103628

Peak Information : Unknown Peaks

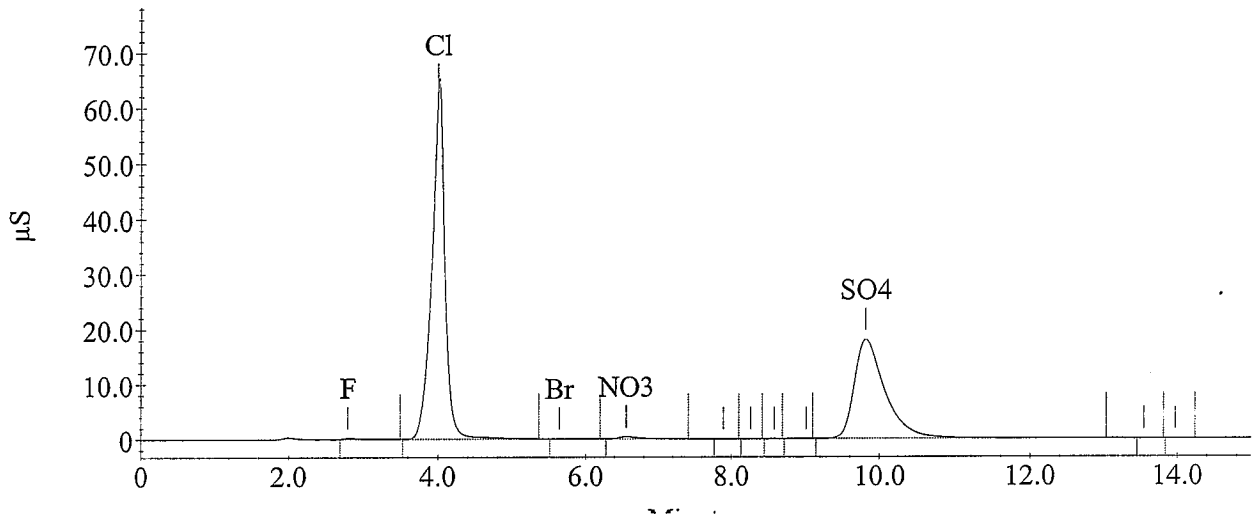
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	6.52	0.00	717	94
	7.71	0.00	1190	93
	13.68	0.00	772	59

STL North Canton Ion Chromatography Analysis Report

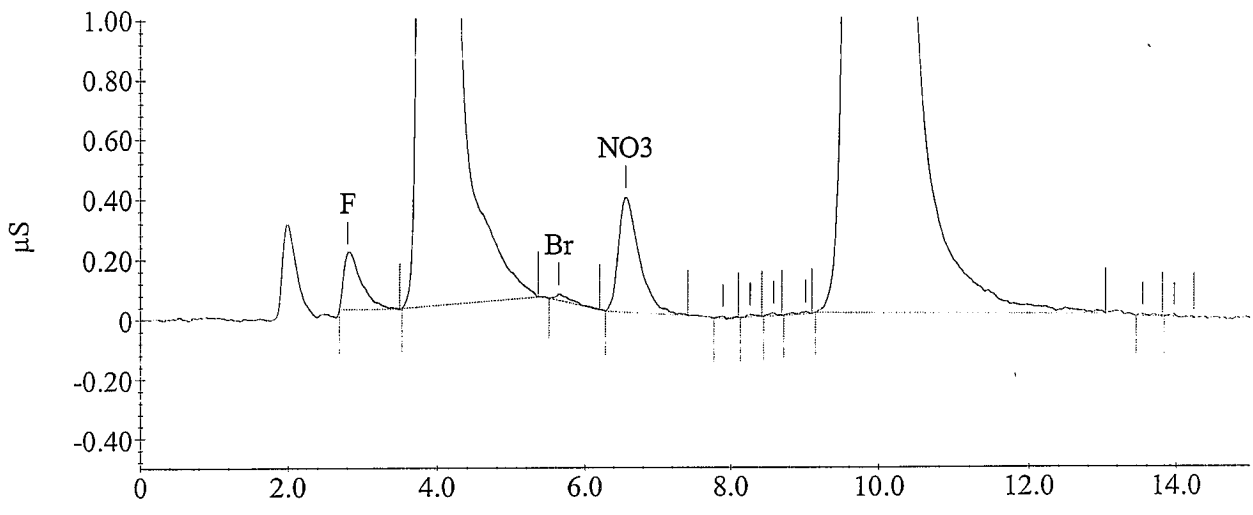
Sample Name : HE1DG
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DG_008.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 8
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 5:46:45 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DG



HE1DG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DG
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DG_008.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 5:46:45 PM
Sample Weight : 1.00000

Injection Number : 8
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.28	31199	1852
Cl	4.00	74.69	7818116	622588
NO2				
Br	5.64	0.09	2905	190
NO3	6.56	0.41	75513	3803
PO4				
SO4	9.81	76.18	5157907	179369

Peak Information : Unknown Peaks

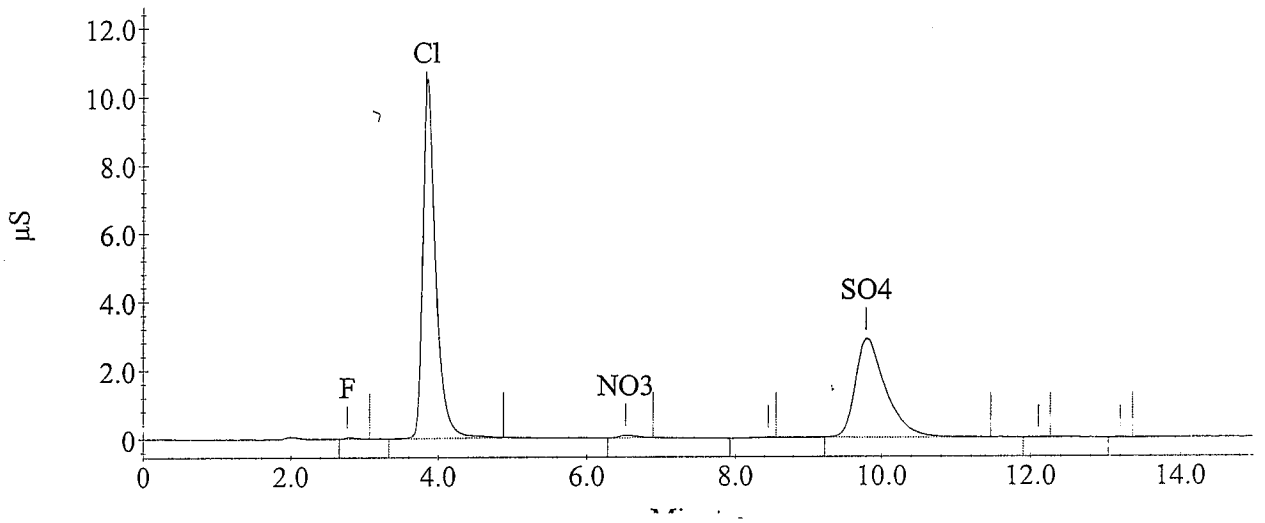
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.89	0.00	142	59
	8.27	0.00	683	84
	8.59	0.00	630	95
	9.01	0.00	901	64
	13.55	0.00	954	67
	13.97	0.00	683	77

STL North Canton Ion Chromatography Analysis Report

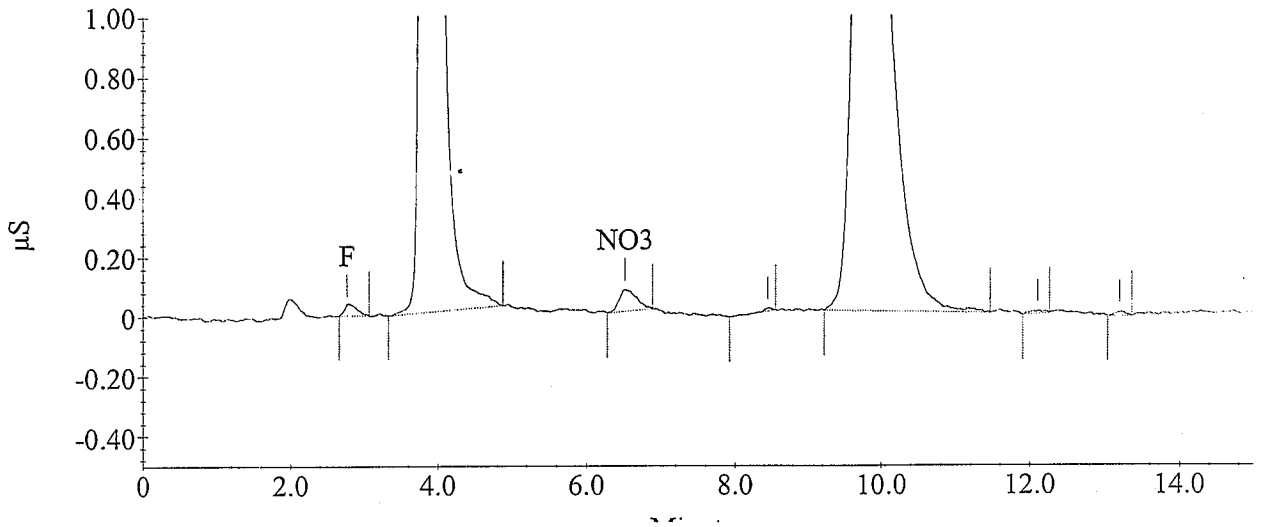
Sample Name : HE1DG
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DG_009.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 9
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 6:04:11 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HE1DG



HE1DG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DG
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DG_009.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 6:04:11 PM
Sample Weight : 1.00000
Injection Number : 9
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	0.21	4576	341
Cl	3.83	62.60	1258835	97927
NO2				
Br				
NO3	6.52	0.31	11587	725
PO4				
SO4	9.79	63.96	821634	28542

Peak Information : Unknown Peaks

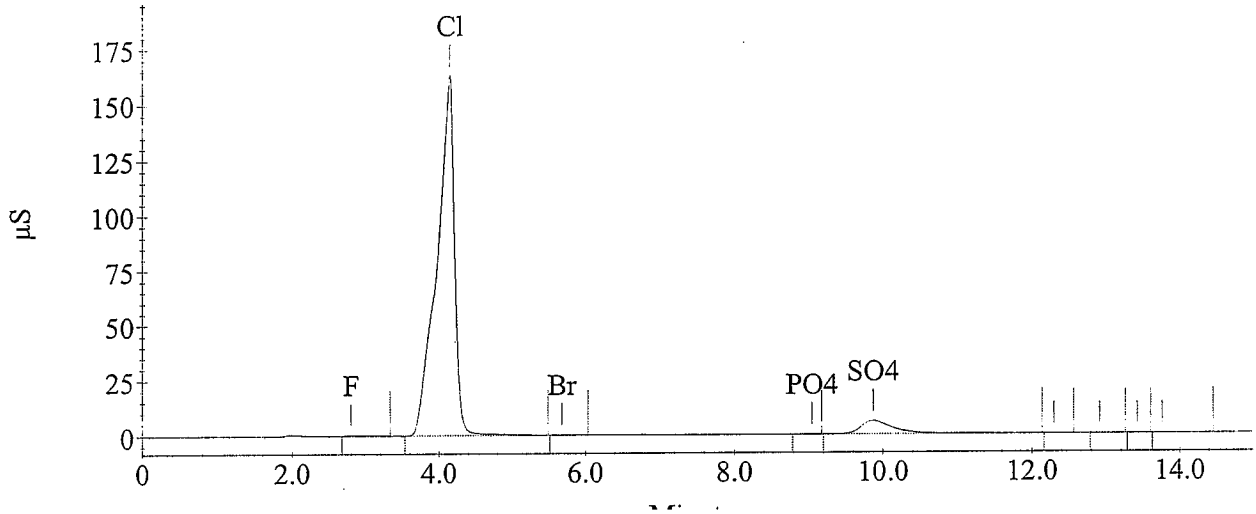
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	8.45	0.00	733	98
	12.11	0.00	1256	80
	13.20	0.00	1370	133

STL North Canton Ion Chromatography Analysis Report

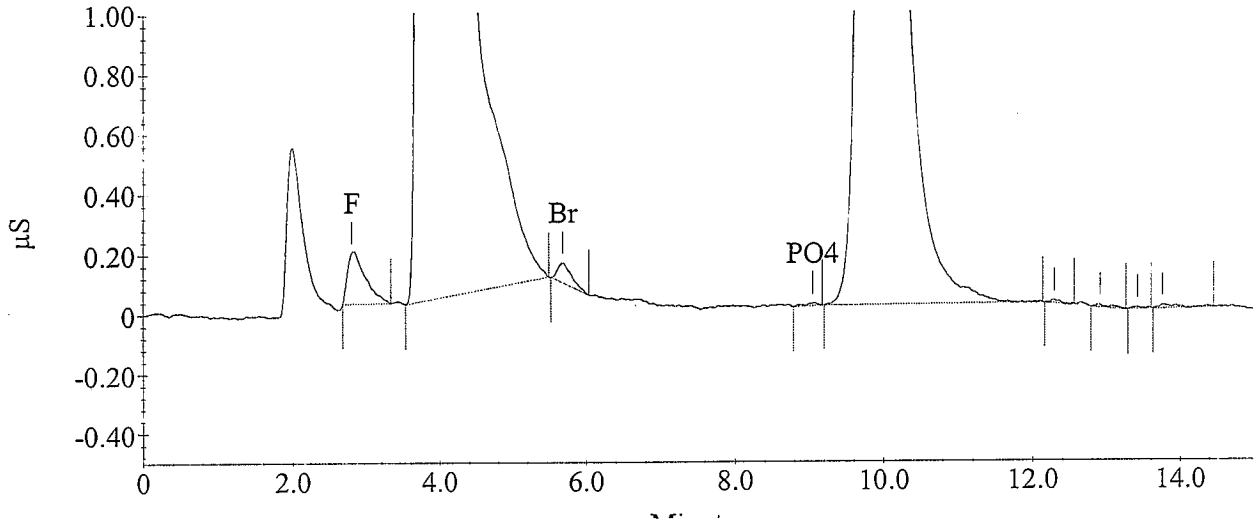
Sample Name : HE1DJ ORG
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DJ ORG_010.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 10
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 6:21:35 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DJ ORG



HE1DJ ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DJ ORG
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DJ ORG_010.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 6:21:35 PM
Sample Weight : 1.00000
Injection Number : 10
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.26	29182	1687
Cl	4.15	227.70	27110251	1621532
NO2				
Br	5.68	0.27	8813	659
NO3				
PO4	9.04	0.01	1028	77
SO4	9.87	26.79	1739468	59715

Peak Information : Unknown Peaks

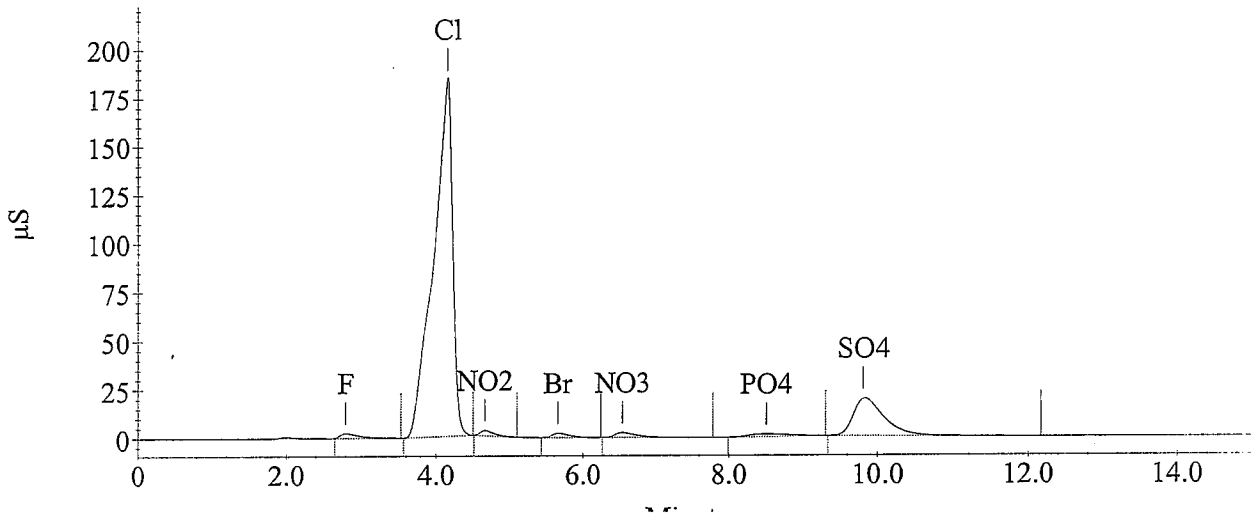
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	12.29	0.00	532	89
	12.91	0.00	1211	84
	13.41	0.00	557	62
	13.76	0.00	1872	111

STL North Canton Ion Chromatography Analysis Report

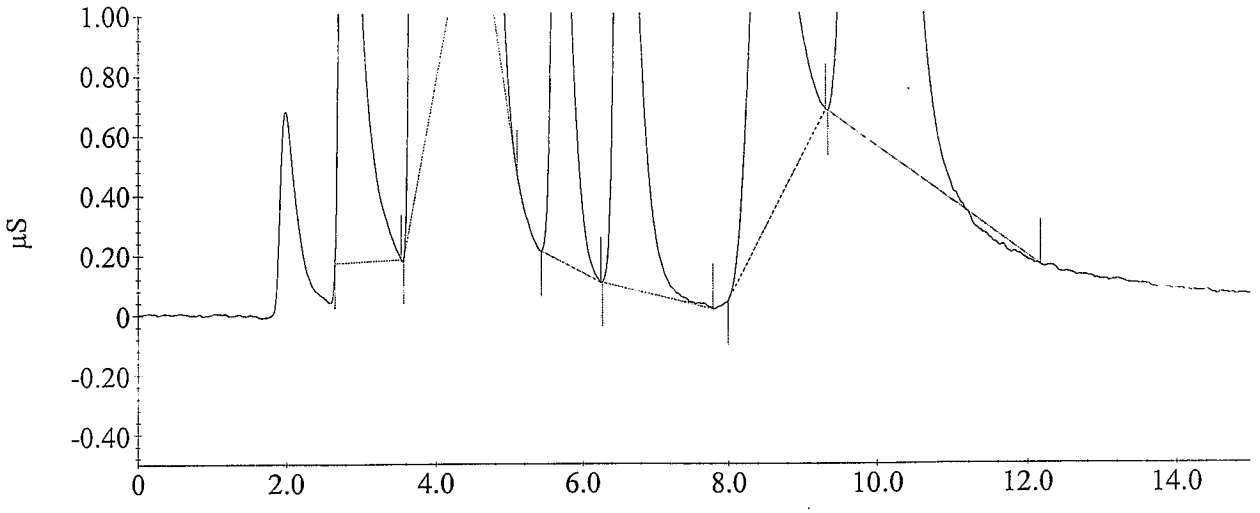
Sample Name : HE1DJ MS
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DJ MS_011.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 11
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 6:39:00 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DJ MS



HE1DJ MS



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DJ MS
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DJ MS_011.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 6:39:00 PM
Sample Weight : 1.00000
Injection Number : 11
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	3.61	410793	24083
Cl	4.15	259.00	31934642	1827881
NO2	4.65	2.22	339901	26805
Br	5.65	10.30	341698	21566
NO3	6.55	2.57	488466	24694
PO4	8.51	5.24	489113	13058
SO4	9.81	79.04	5365449	190853

Peak Information : Unknown Peaks

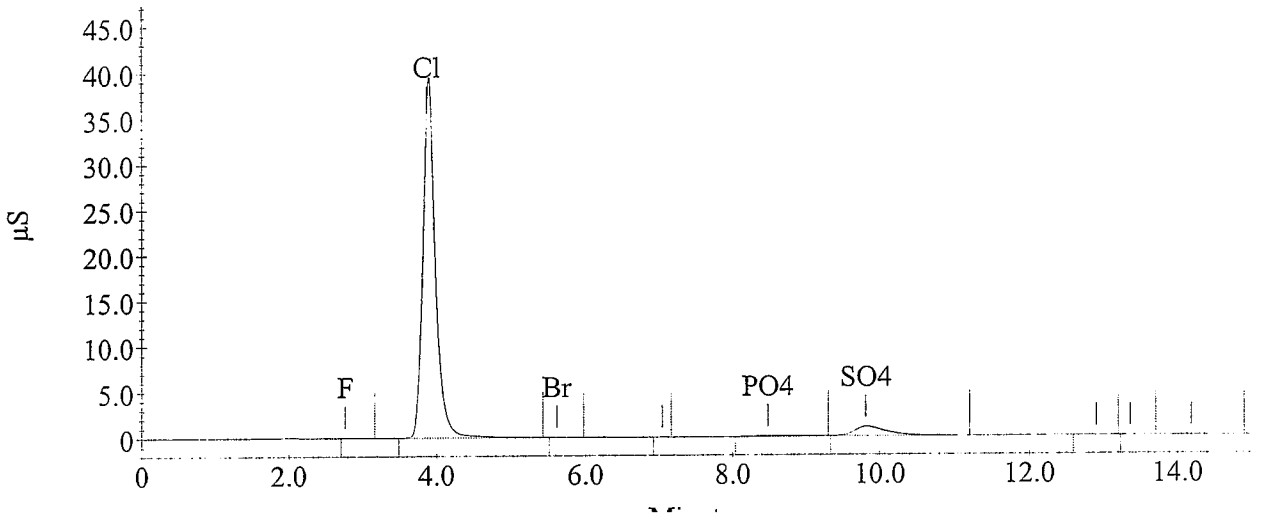
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

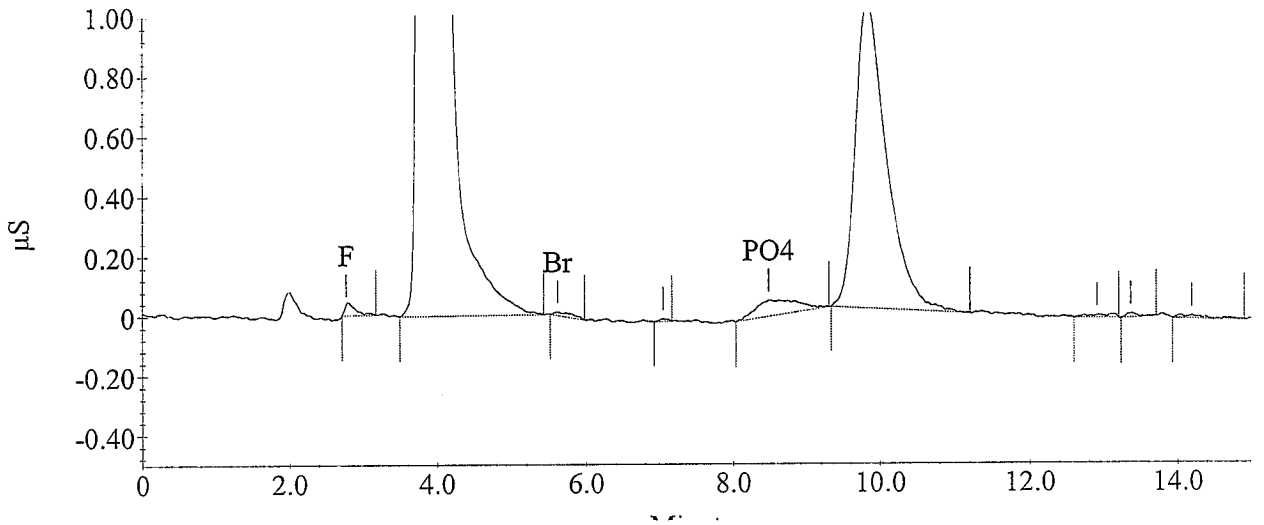
Sample Name : HE1DJ
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DJ_012.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 12
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 6:56:24 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HE1DJ



HE1DJ



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DJ
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DJ_012.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 6:56:24 PM
Sample Weight : 1.00000
Injection Number : 12
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	0.20	4316	326
Cl	3.87	221.34	4540750	350298
NO2				
Br	5.61	0.37	2378	111
NO3				
PO4	8.48	1.08	20235	524
SO4	9.81	23.34	297969	10203

Peak Information : Unknown Peaks

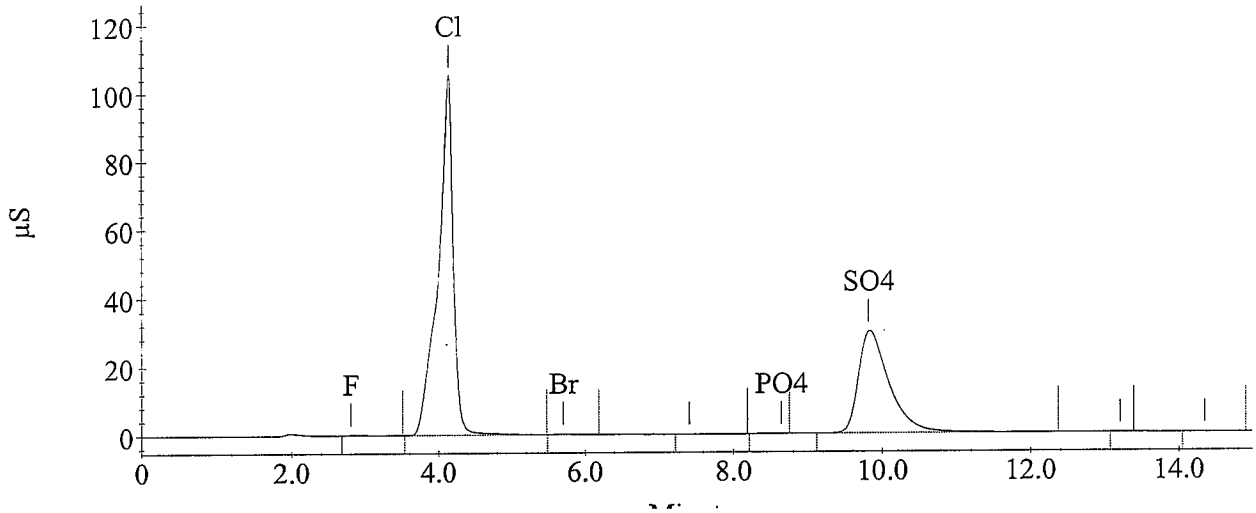
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.04	0.00	635	82
	12.91	0.00	2164	77
	13.36	0.00	1257	130
	14.19	0.00	2061	89

STL North Canton Ion Chromatography Analysis Report

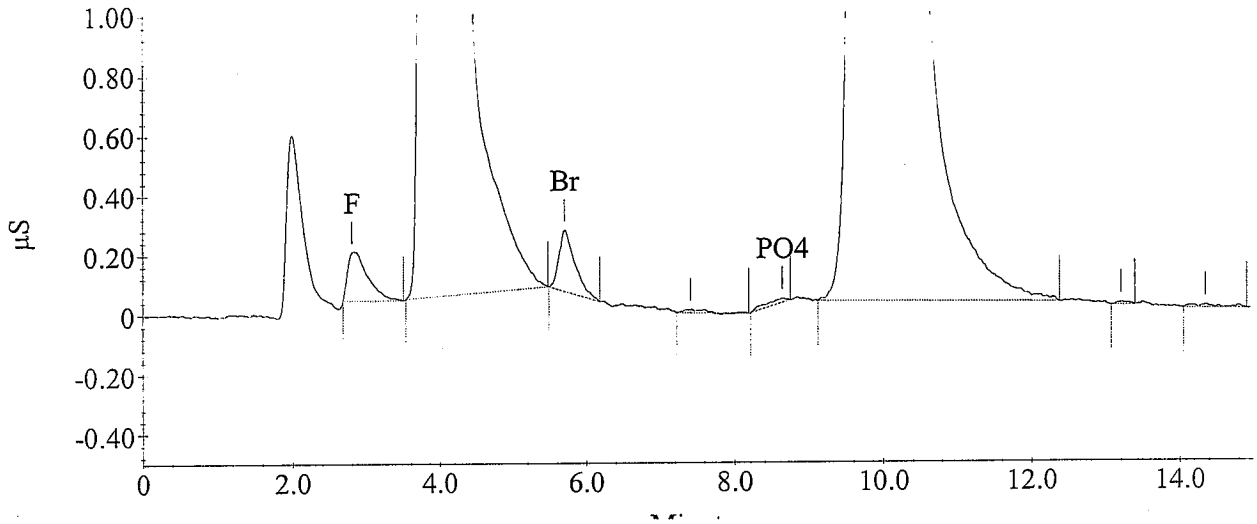
Sample Name : HE1DK
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DK_013.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 13
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 7:13:49 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DK



HE1DK



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DK
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DK_013.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 7:13:49 PM
Sample Weight : 1.00000
Injection Number : 13
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.28	30706	1603
Cl	4.13	138.83	15241027	1047032
NO2				
Br	5.71	0.96	31017	2036
NO3				
PO4	8.64	0.03	3276	141
SO4	9.81	120.89	8546475	295970

Peak Information : Unknown Peaks

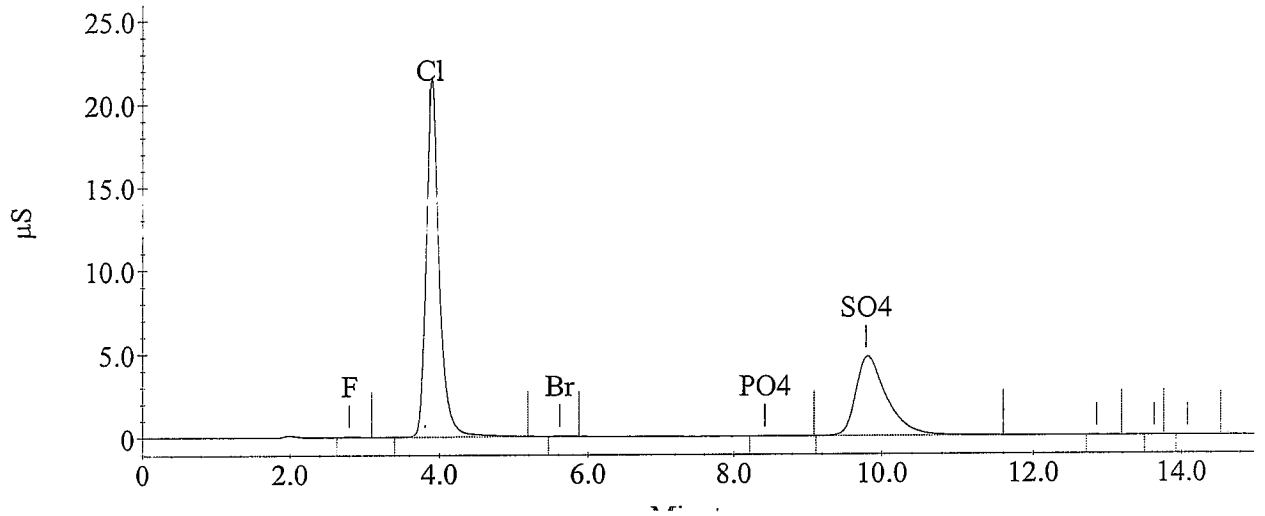
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.41	0.00	1764	102
	13.20	0.00	886	76
	14.35	0.00	2382	95

STL North Canton Ion Chromatography Analysis Report

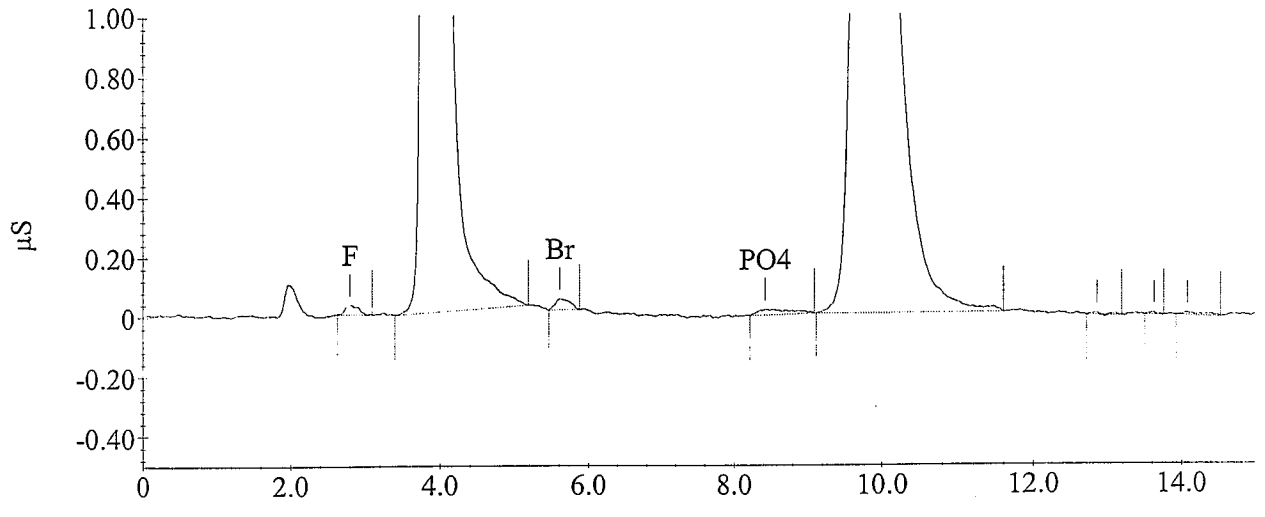
Sample Name : HE1DK
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DK_014.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 14
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 7:31:13 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HE1DK



HE1DK



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DK
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DK_014.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 7:31:13 PM
Sample Weight : 1.00000
Injection Number : 14
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.17	3726	306
Cl	3.87	124.58	2524534	189626
NO2				
Br	5.61	0.77	4985	363
NO3				
PO4	8.43	0.31	5800	185
SO4	9.79	105.14	1359328	46679

Peak Information : Unknown Peaks

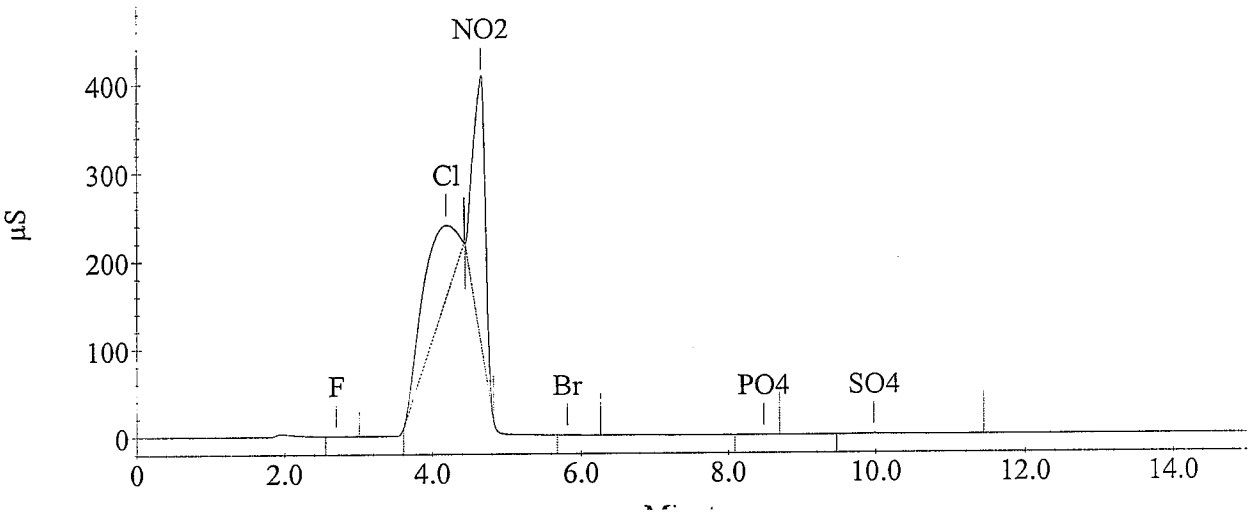
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	12.85	0.00	639	72
	13.63	0.00	515	62
	14.08	0.00	1814	72

STL North Canton Ion Chromatography Analysis Report

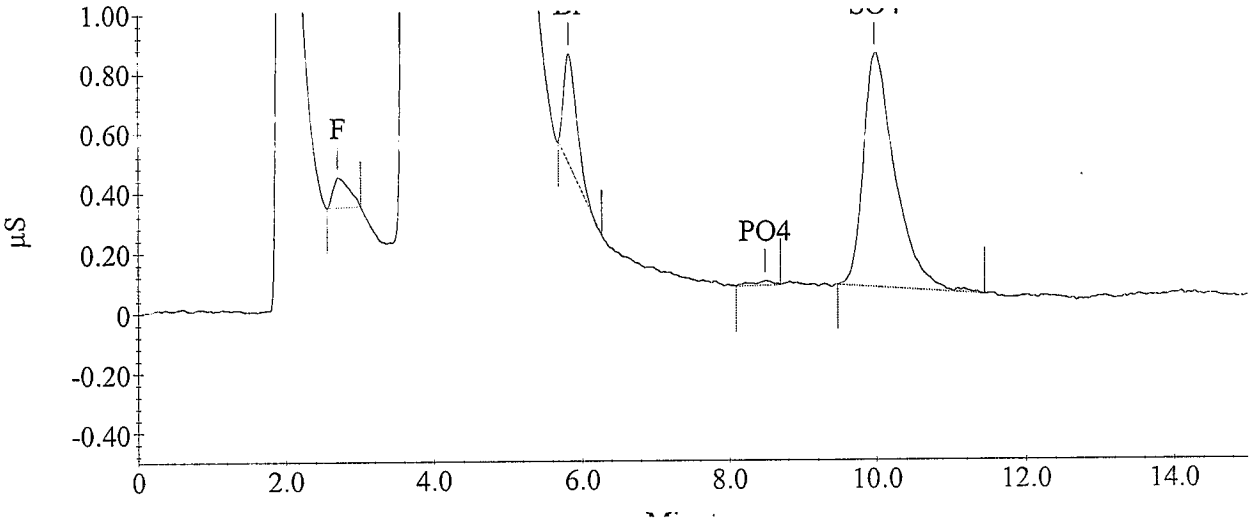
Sample Name : HE1DL
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DL_015.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 15
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 7:48:38 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DL



HE1DL



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DL
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DL_015.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 7:48:38 PM
Sample Weight : 1.00000

Injection Number : 15
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.70	0.14	15066	980
Cl	4.19	251.98	30814543	816211
NO2	4.65	-276.97	33442941	2977010
Br	5.81	1.38	44748	3633
NO3				
PO4	8.48	0.03	2761	138
SO4	9.97	3.60	229387	7753

Peak Information : Unknown Peaks

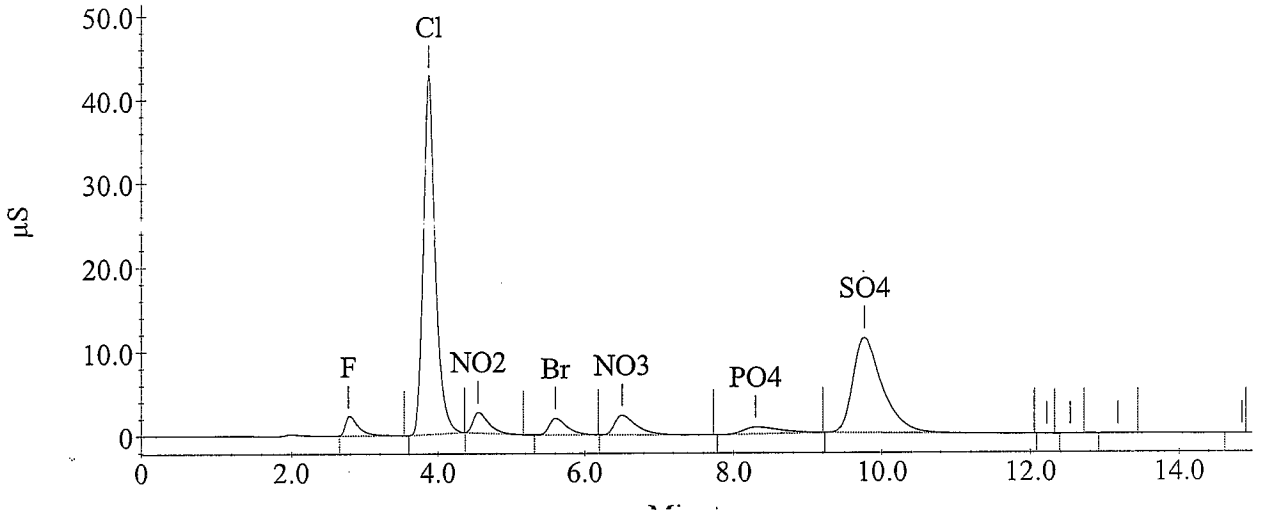
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

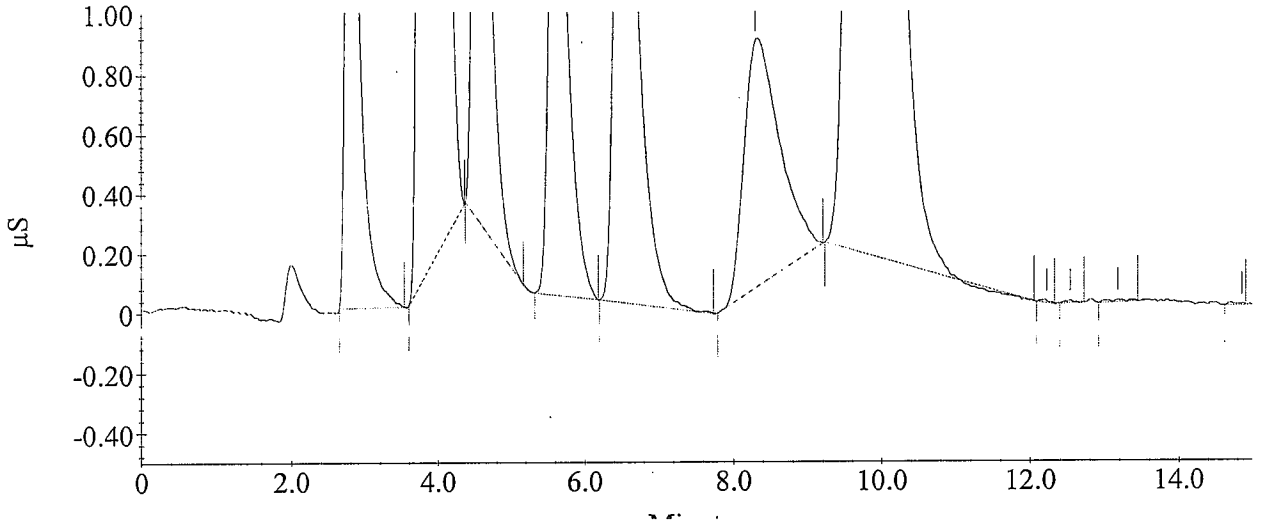
Sample Name : CCV #1
Data File Name : c:\peaknet\data\dx 320 data\070705\CCV #1_016.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 16
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 8:06:01 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #1



CCV #1



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #1
Data File Name : c:\peaknet\data\dx 320 data\070705\CCV #1_016.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 8:06:01 PM
Sample Weight : 1.00000

Injection Number : 16
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.58	290271	22155
Cl	3.87	47.52	4884506	425295
NO2	4.55	2.36	360675	24502
Br	5.60	9.80	324696	19487
NO3	6.51	2.47	470370	23197
PO4	8.29	2.94	275287	8275
SO4	9.76	47.13	3111635	112333

Peak Information : Unknown Peaks

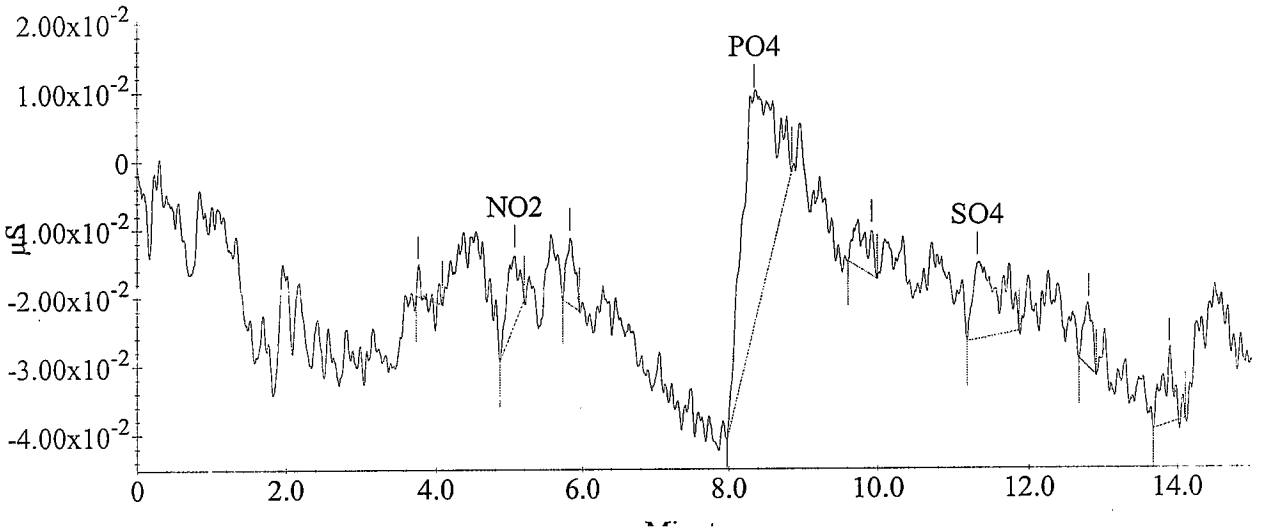
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	12.21	0.00	748	79
	12.53	0.00	493	86
	13.17	0.00	1277	77
	14.85	0.00	827	53

STL North Canton Ion Chromatography Analysis Report

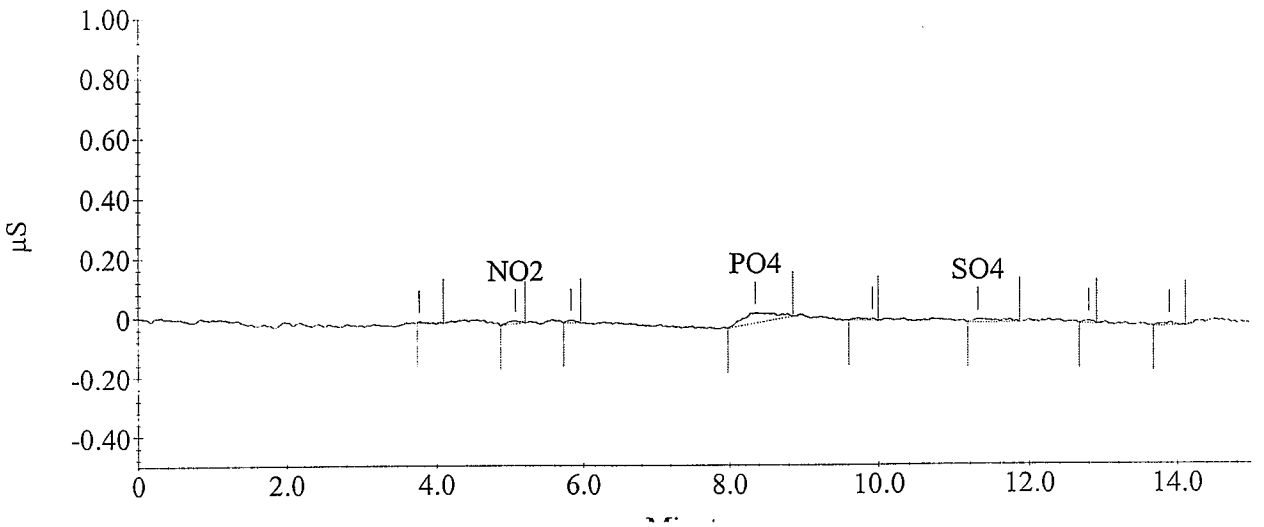
Sample Name : CCB #1
Data File Name : c:\peaknet\data\dx 320 data\070705\CCB #1_017.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 17
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 8:23:27 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #1



CCB #1



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #1
Data File Name : c:\peaknet\data\dx 320 data\070705\CCB #1_017.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 8:23:27 PM
Sample Weight : 1.00000

Injection Number : 17
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.77	0.00	112	44
Cl				
NO2	5.07	0.01	1226	101
Br				
NO3				
PO4	8.35	0.11	9936	335
SO4	11.31	0.04	2839	110

Peak Information : Unknown Peaks

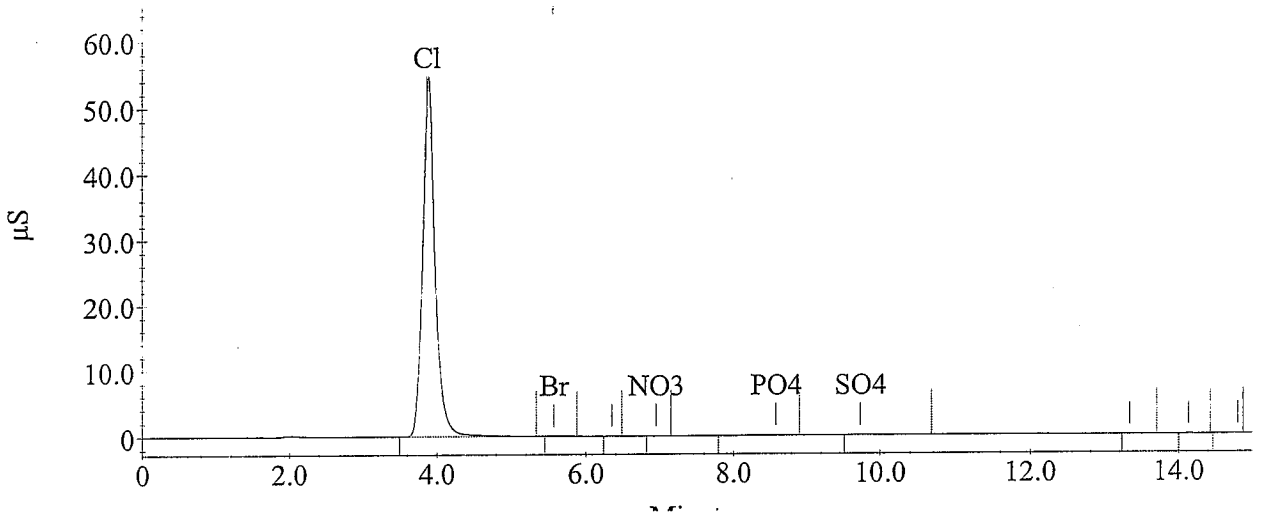
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.77	0.00	112	44
	5.83	0.00	801	96
	9.92	0.00	943	65
	12.80	0.00	772	91
	13.89	0.00	1157	105

STL North Canton Ion Chromatography Analysis Report

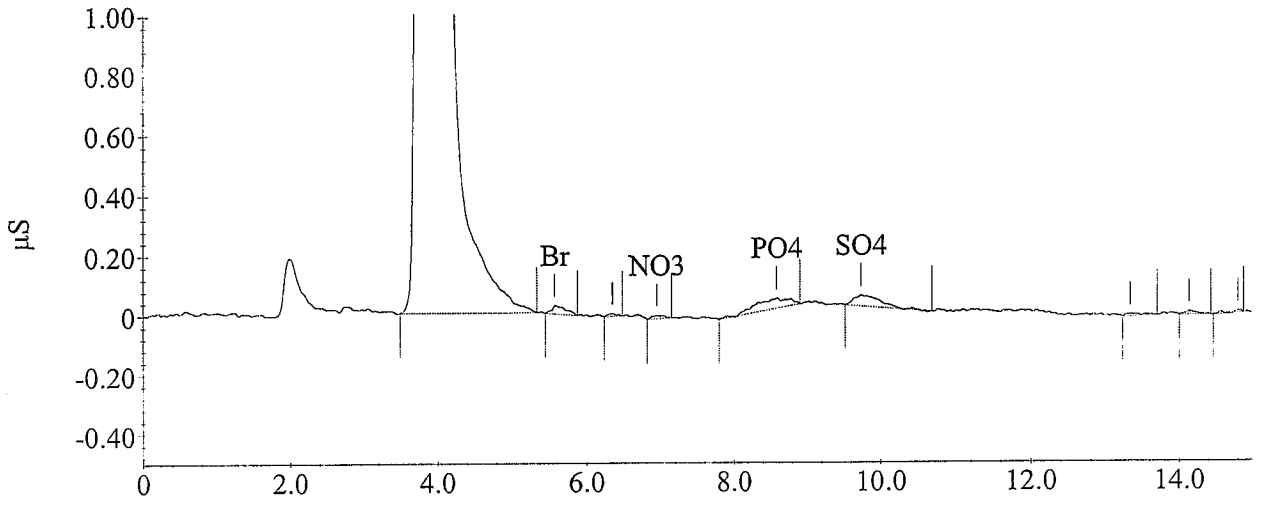
Sample Name : HE1DL
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DL_018.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 18
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 8:40:50 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 20.00

HE1DL



HE1DL



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DL
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DL_018.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 8:40:50 PM
Sample Weight : 1.00000
Injection Number : 18
System Name : IC
System Operator : RN
Dilution Factor : 20.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
Cl	3.87	1215.84	6303776	498742
Cl	3.87	1215.84	6303776	498742
NO2				
Br	5.57	2.36	3816	272
NO3	6.95	0.13	1191	110
PO4	8.59	2.31	10871	334
SO4	9.73	2.72	8663	359

Peak Information : Unknown Peaks

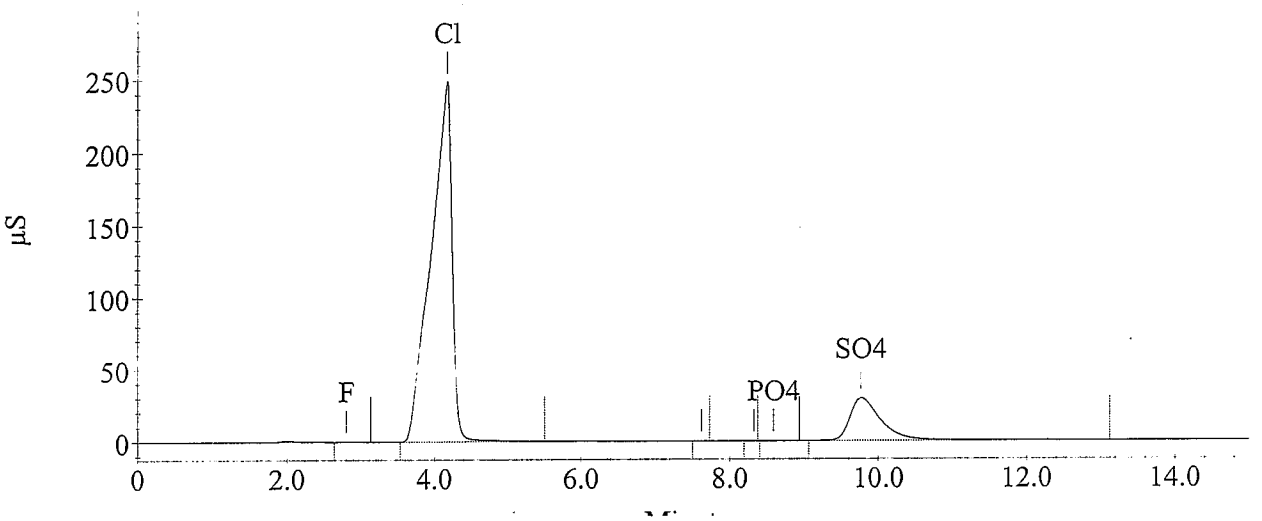
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	6.35	0.00	699	84
	13.33	0.00	1143	76
	14.13	0.00	1195	107
	14.80	0.00	669	62

STL North Canton Ion Chromatography Analysis Report

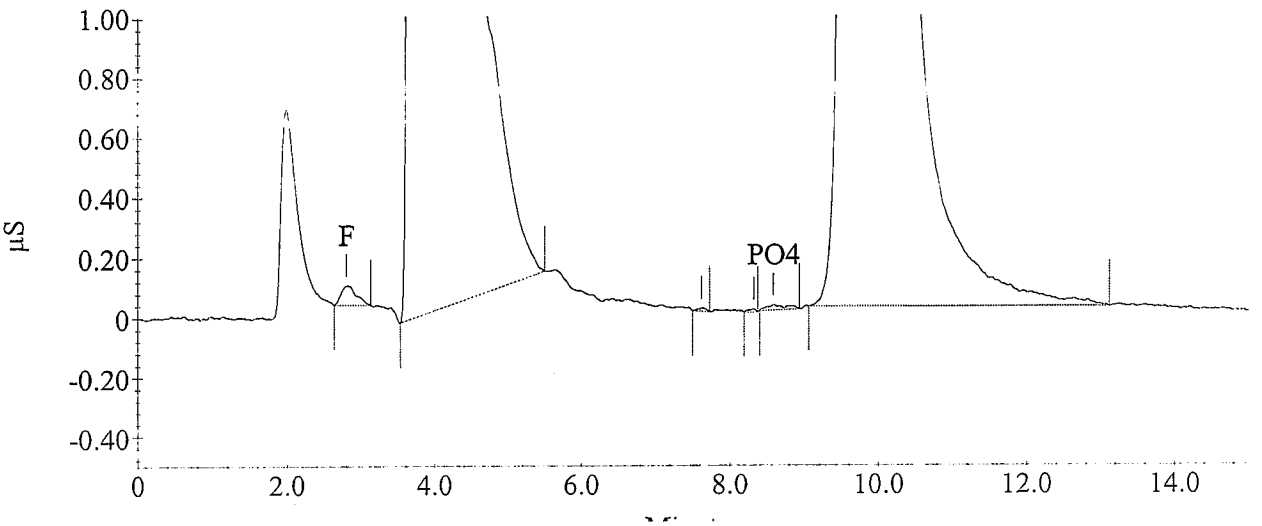
Sample Name : HE1DN
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DN_019.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 19
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 8:58:16 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DN



HE1DN



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DN
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DN_019.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 8:58:16 PM
Sample Weight : 1.00000
Injection Number : 19
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.08	9091	631
Cl	4.17	351.04	49892053	2472912
NO2				
Br				
NO3				
PO4	8.59	0.03	3026	175
SO4	9.76	119.91	8468794	292511

Peak Information : Unknown Peaks

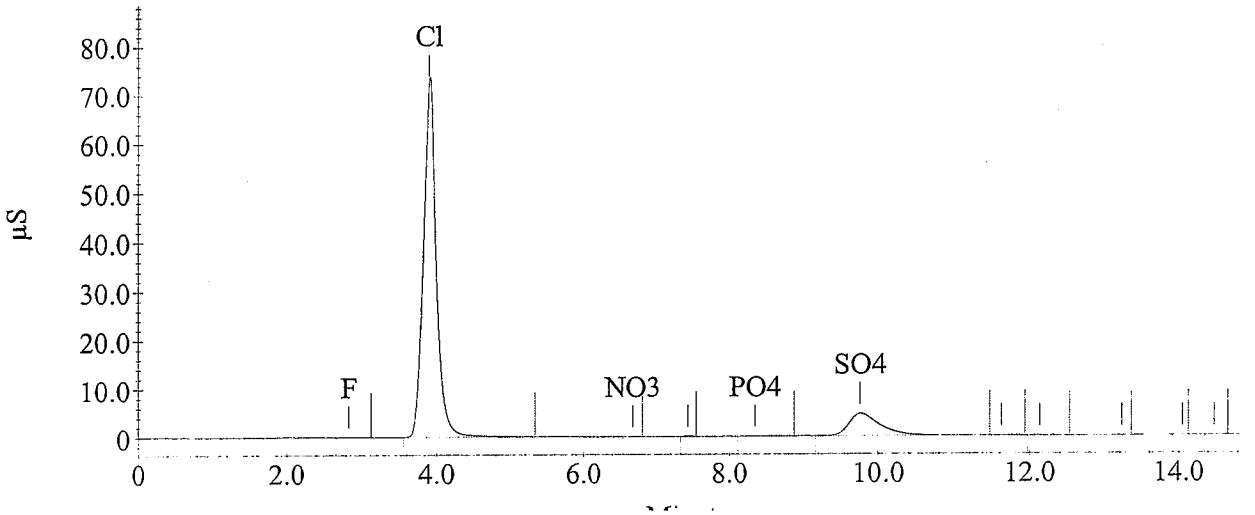
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.63	0.00	774	104
	8.32	0.00	618	98

STL North Canton Ion Chromatography Analysis Report

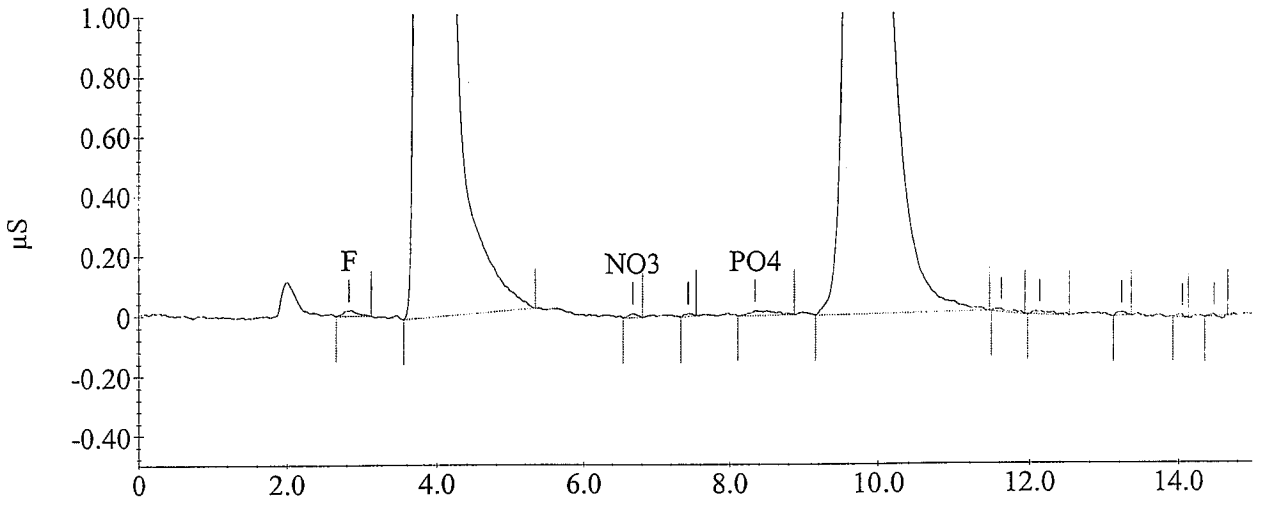
Sample Name : HE1DN
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DN_020.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 20
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 9:15:40 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HE1DN



HE1DN



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DN
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DN_020.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 9:15:40 PM
Sample Weight : 1.00000
Injection Number : 20
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.11	2509	175
Cl	3.90	413.99	8716235	716728
NO2				
Br				
NO3	6.68	0.03	1081	132
PO4	8.35	0.19	3656	152
SO4	9.76	101.87	1316333	45815

Peak Information : Unknown Peaks

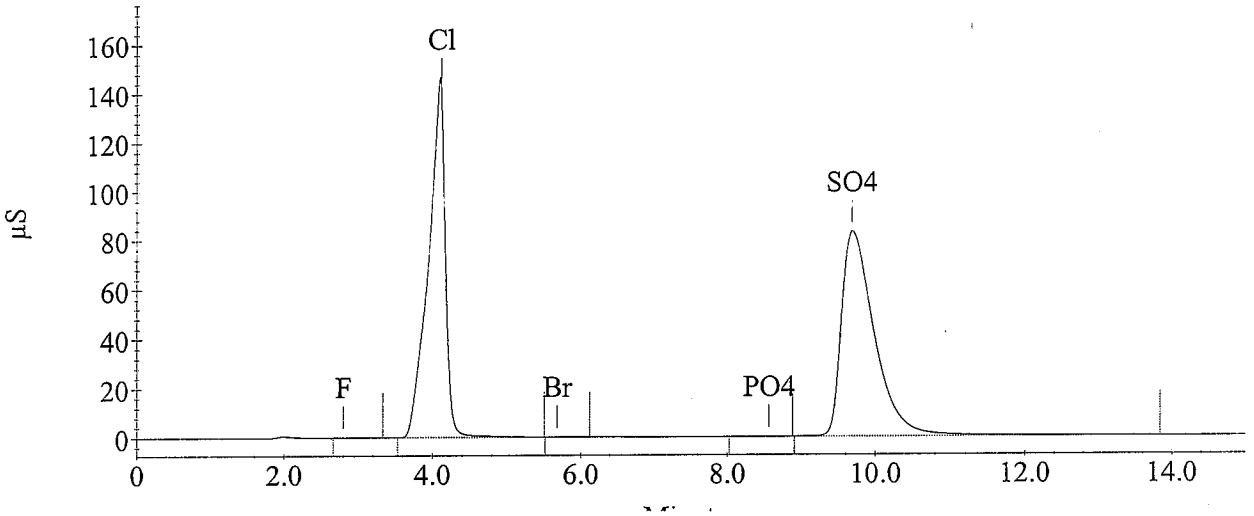
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.44	0.00	701	89
	11.63	0.00	1685	92
	12.13	0.00	2024	109
	13.23	0.00	977	111
	14.05	0.00	513	69
	14.48	0.00	254	54

STL North Canton Ion Chromatography Analysis Report

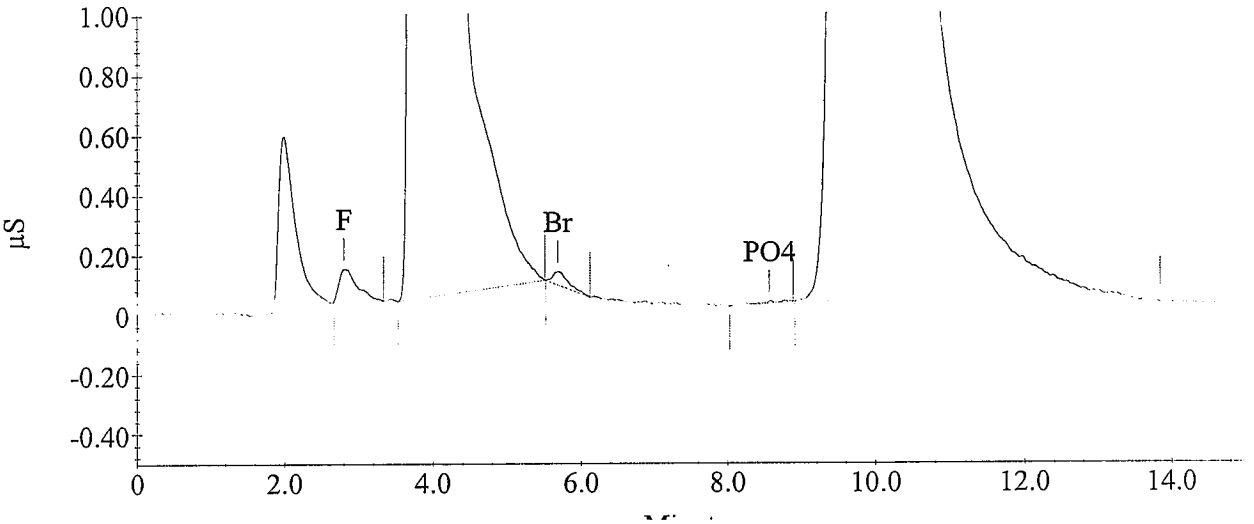
Sample Name : HE1DP
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DP_021.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 21
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 9:33:05 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DP



HE1DP



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DP
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DP_021.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 9:33:05 PM
Sample Weight : 1.00000
Injection Number : 21
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.17	18616	1077
Cl	4.12	198.44	22945642	1415020
NO2				
Br	5.68	0.21	6702	433
NO3				
PO4	8.56	0.02	1525	52
SO4	9.68	282.07	25674520	828123

Peak Information : Unknown Peaks

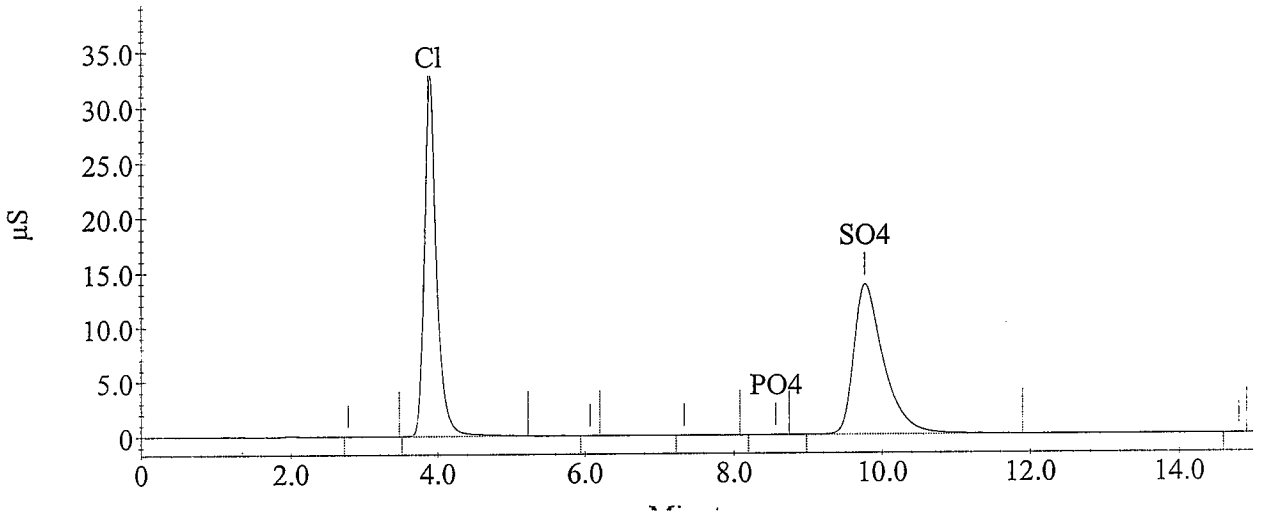
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

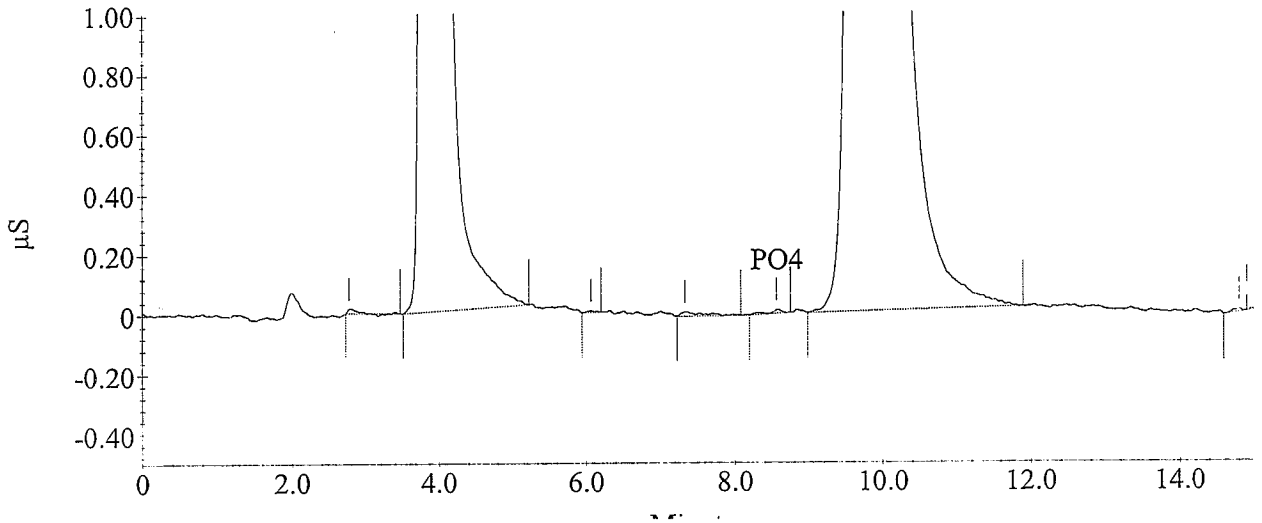
Sample Name : HE1DP
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DP_022.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 22
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 9:50:28 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HE1DP



HE1DP



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DP
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DP_022.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 9:50:28 PM
Sample Weight : 1.00000

Injection Number : 22
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.77	0.00	866	138
Cl	3.87	185.52	3788308	299173
NO2				
Br				
NO3				
PO4	8.56	0.06	1221	113
SO4	9.76	291.32	3883044	137108

Peak Information : Unknown Peaks

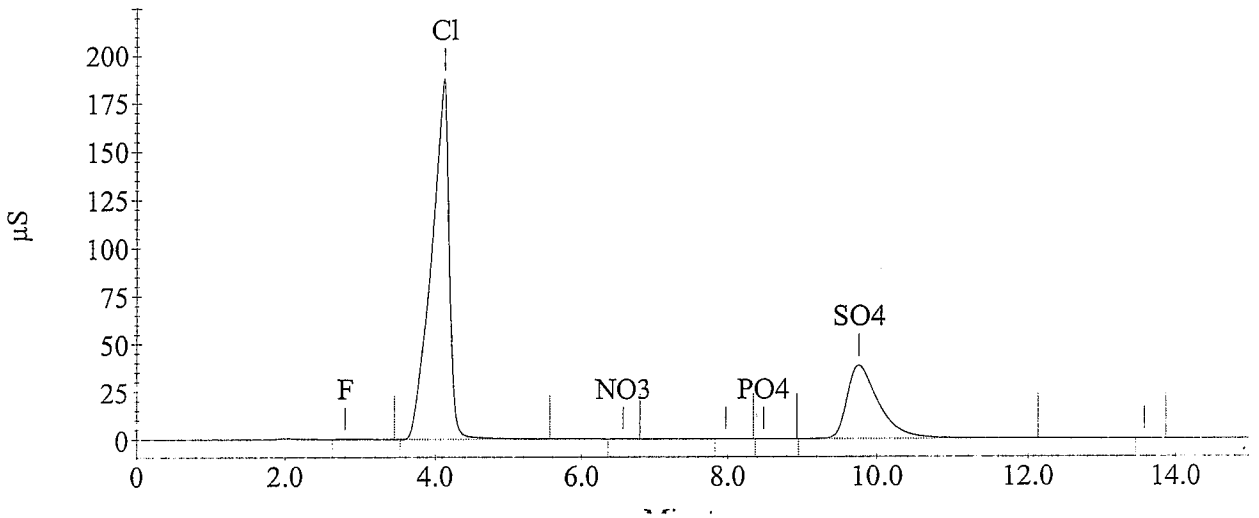
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.77	0.00	866	138
	6.07	0.00	450	55
	7.33	0.00	2827	140
	14.80	0.00	715	88

STL North Canton Ion Chromatography Analysis Report

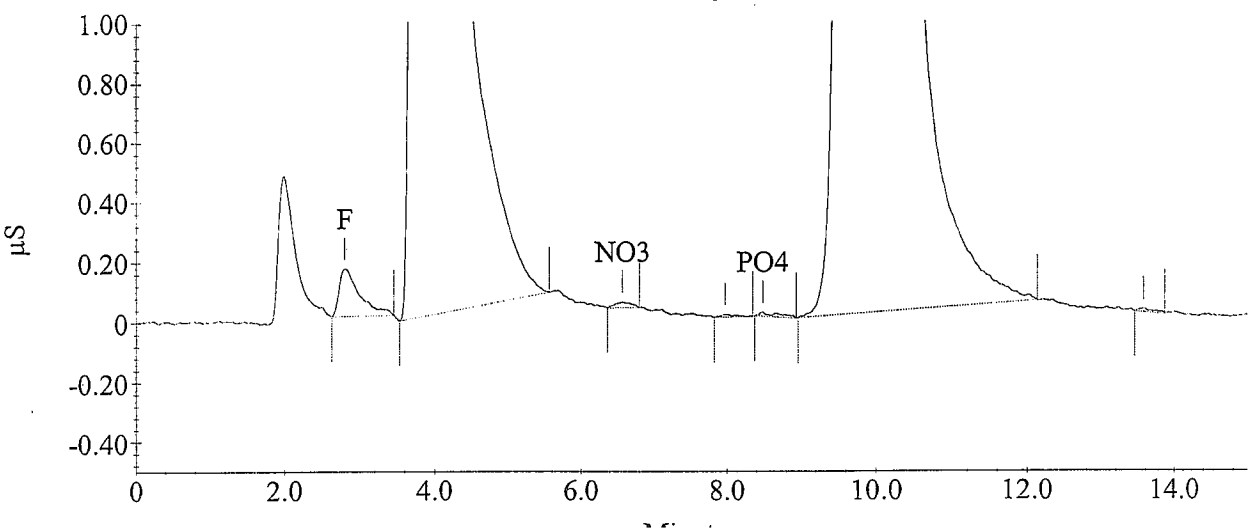
Sample Name : HE1DQ
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DQ_023.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 23
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 10:07:54 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DQ



HE1DQ



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DQ
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DQ_023.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 10:07:54 PM
Sample Weight : 1.00000
Injection Number : 23
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.27	29973	1568
Cl	4.12	252.75	30936945	1864813
NO2				
Br				
NO3	6.57	0.02	2853	188
PO4	8.48	0.03	2363	138
SO4	9.76	150.33	10975682	379251

Peak Information : Unknown Peaks

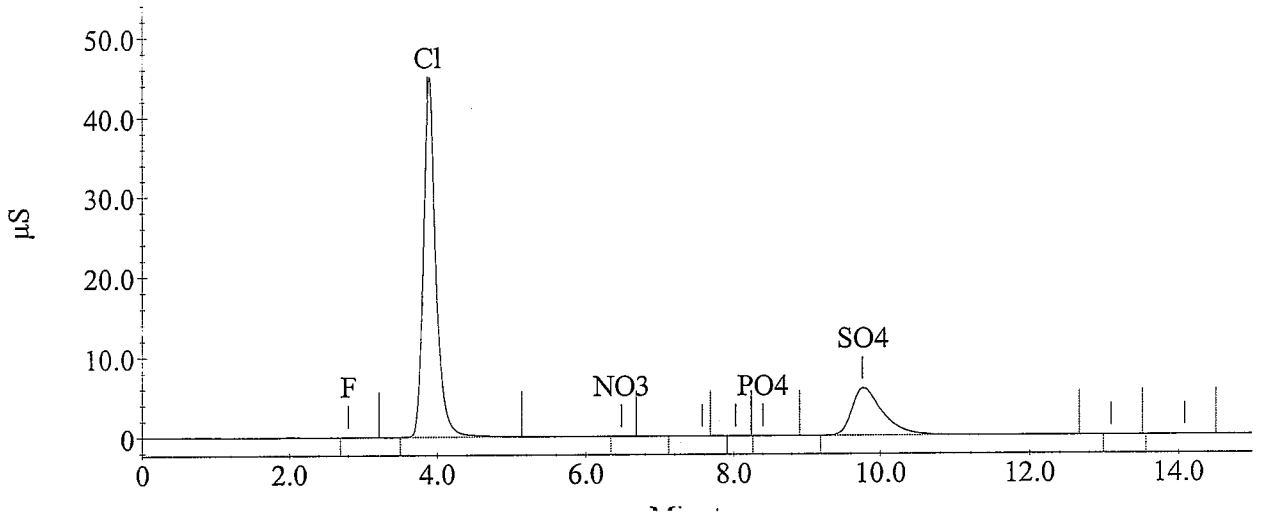
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.97	0.00	1074	80
	13.57	0.00	1565	112

STL North Canton Ion Chromatography Analysis Report

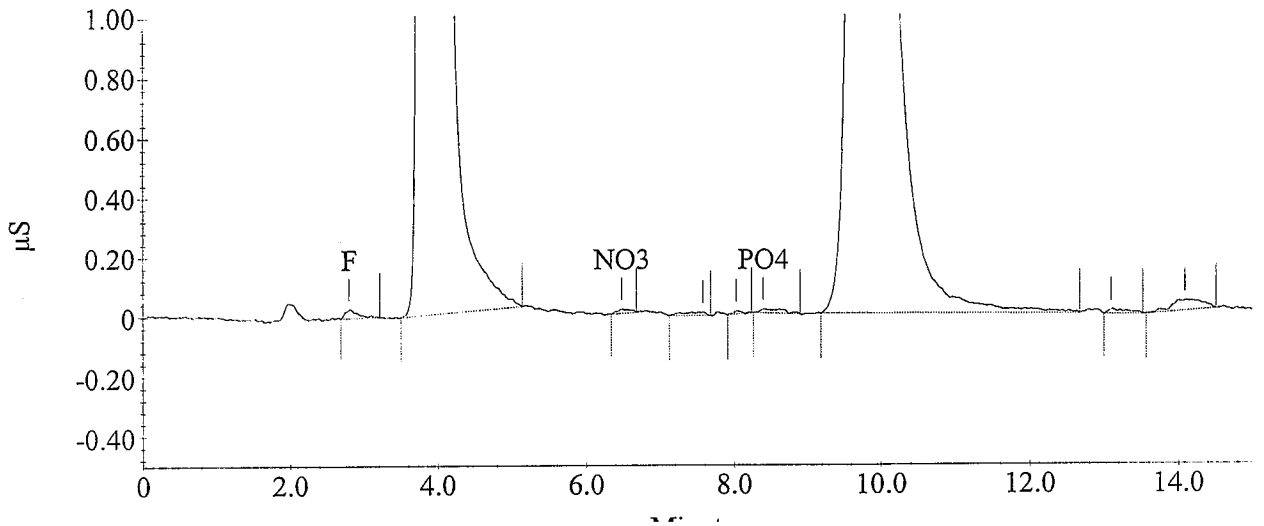
Sample Name : HE1DQ
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DQ_024.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 24
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 10:25:18 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HE1DQ



HE1DQ



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DQ
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DQ_024.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 10:25:18 PM
Sample Weight : 1.00000
Injection Number : 24
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.16	3637	269
Cl	3.87	251.78	5185642	411676
NO2				
Br				
NO3	6.48	0.04	1620	136
PO4	8.40	0.15	2801	121
SO4	9.76	131.32	1704745	58679

Peak Information : Unknown Peaks

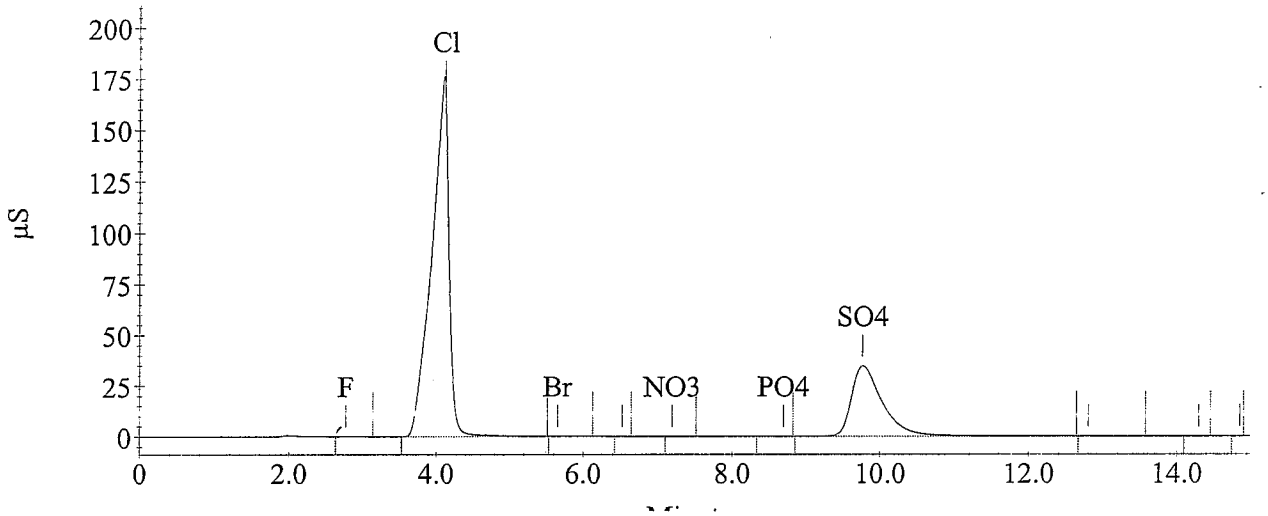
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.57	0.00	2223	107
	8.03	0.00	703	103
	13.09	0.00	2454	133
	14.08	0.00	9721	332

STL North Canton Ion Chromatography Analysis Report

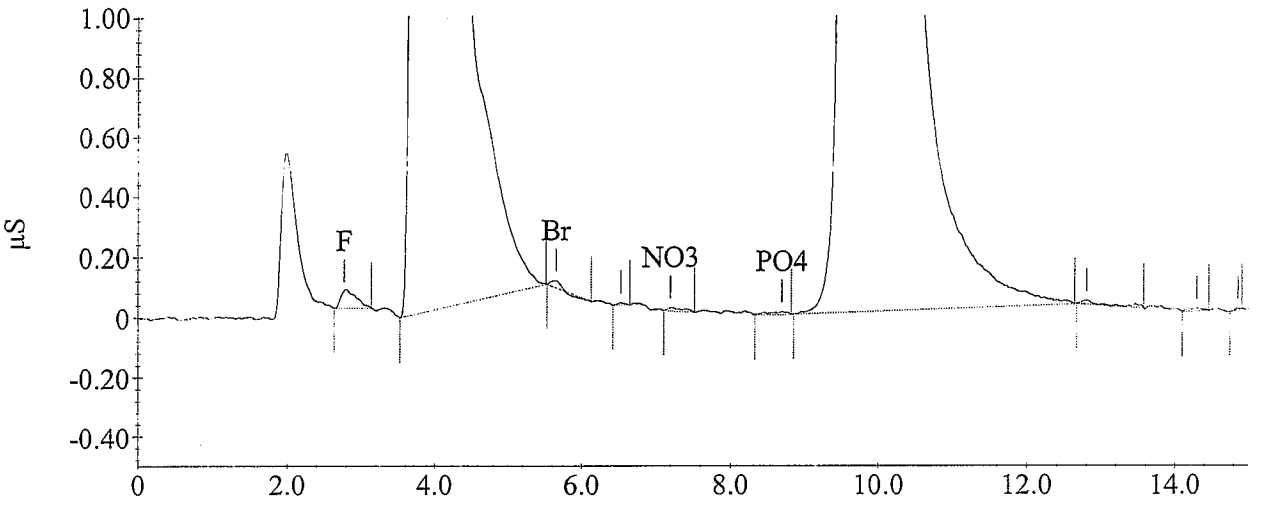
Sample Name : HE1DR ORG
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DR ORG_025.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 25
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 10:42:43 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DR ORG



HE1DR ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DR ORG
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DR ORG_025.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 10:42:43 PM
Sample Weight : 1.00000
Injection Number : 25
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	0.08	8600	551
Cl	4.12	238.71	28758673	1683136
NO2				
Br	5.65	0.04	1389	235
NO3	7.20	0.01	1713	113
PO4	8.69	0.02	1686	94
SO4	9.76	138.68	9992861	344561

Peak Information : Unknown Peaks

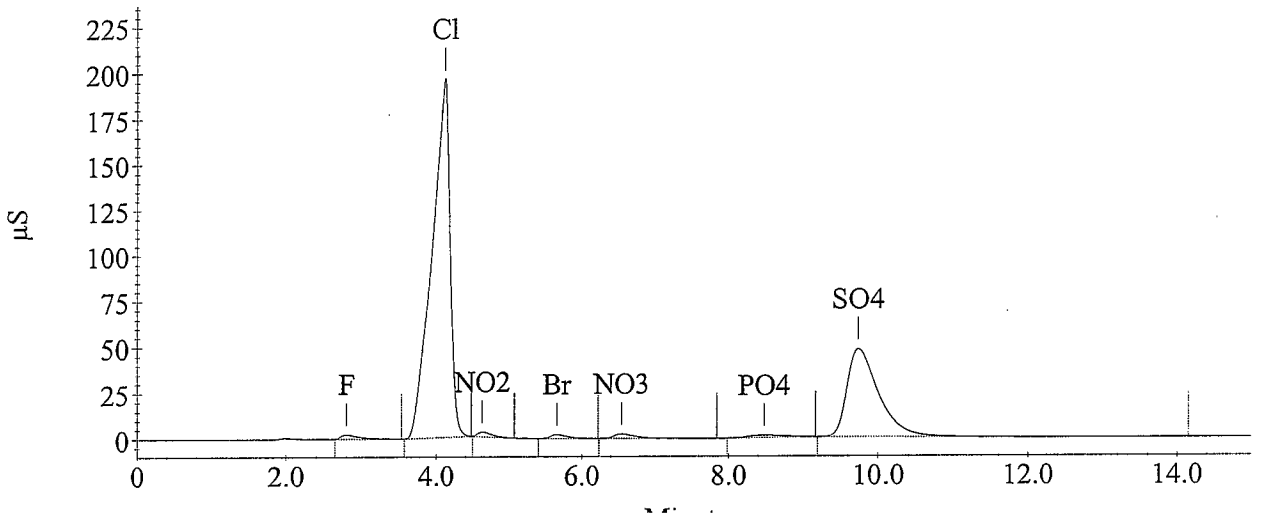
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	6.53	0.00	520	82
	12.80	0.00	2366	126
	14.29	0.00	1222	92
	14.85	0.00	155	51

STL North Canton Ion Chromatography Analysis Report

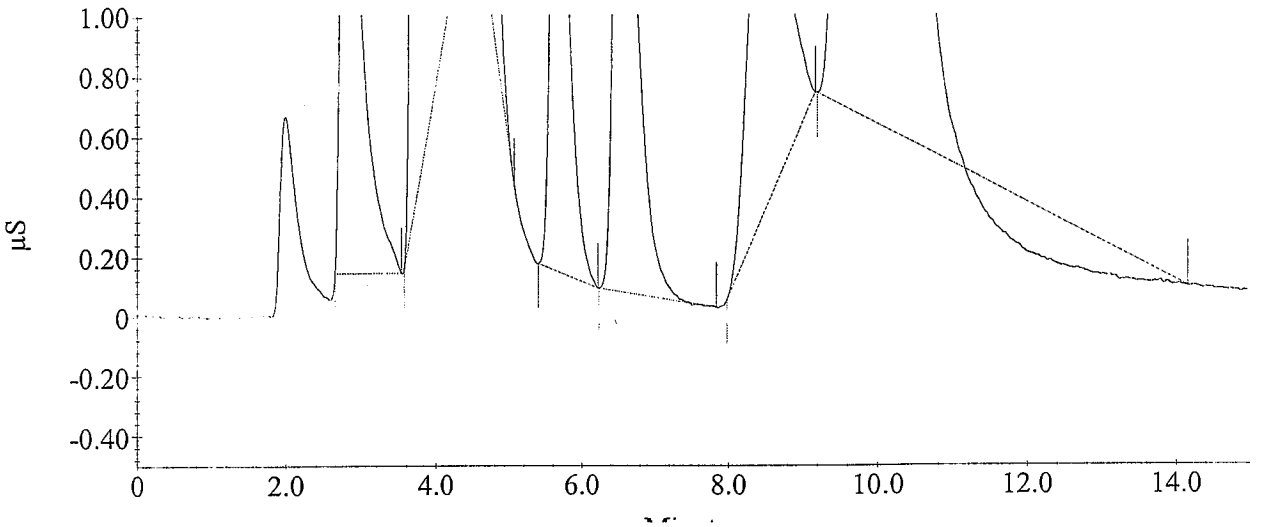
Sample Name : HE1DR MS
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DR MS_026.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 26
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 11:00:07 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HE1DR MS



HE1DR MS



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DR MS
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DR MS_026.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 11:00:07 PM
Sample Weight : 1.00000

Injection Number : 26
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	3.42	388933	23247
Cl	4.12	268.43	33479182	1954036
NO2	4.63	2.14	327200	25690
Br	5.65	10.08	334256	20912
NO3	6.55	2.53	481672	24471
PO4	8.48	4.44	415285	11835
SO4	9.73	178.58	13496507	475992

Peak Information : Unknown Peaks

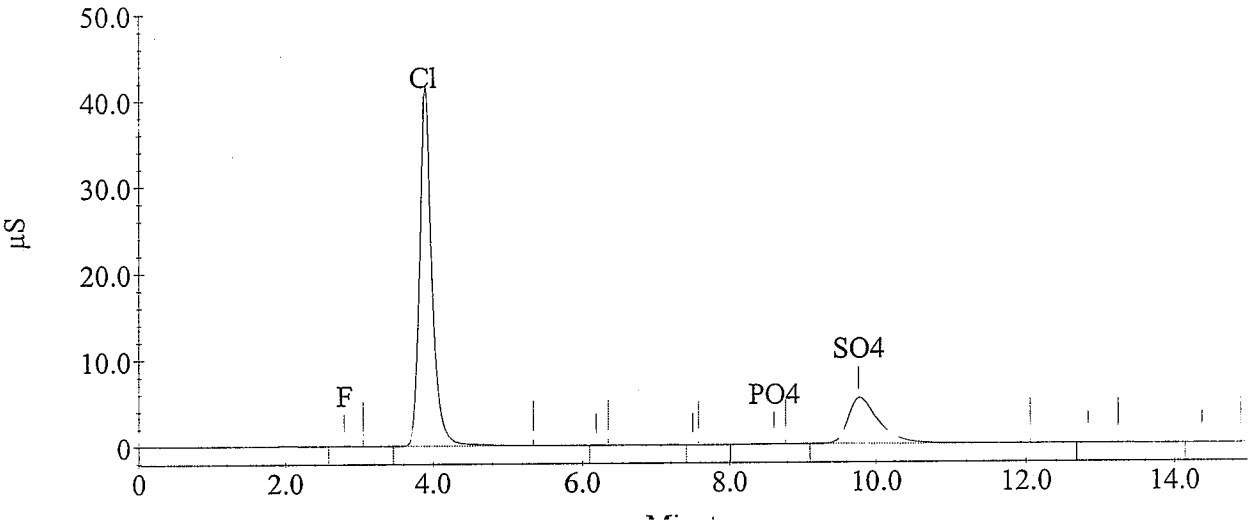
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

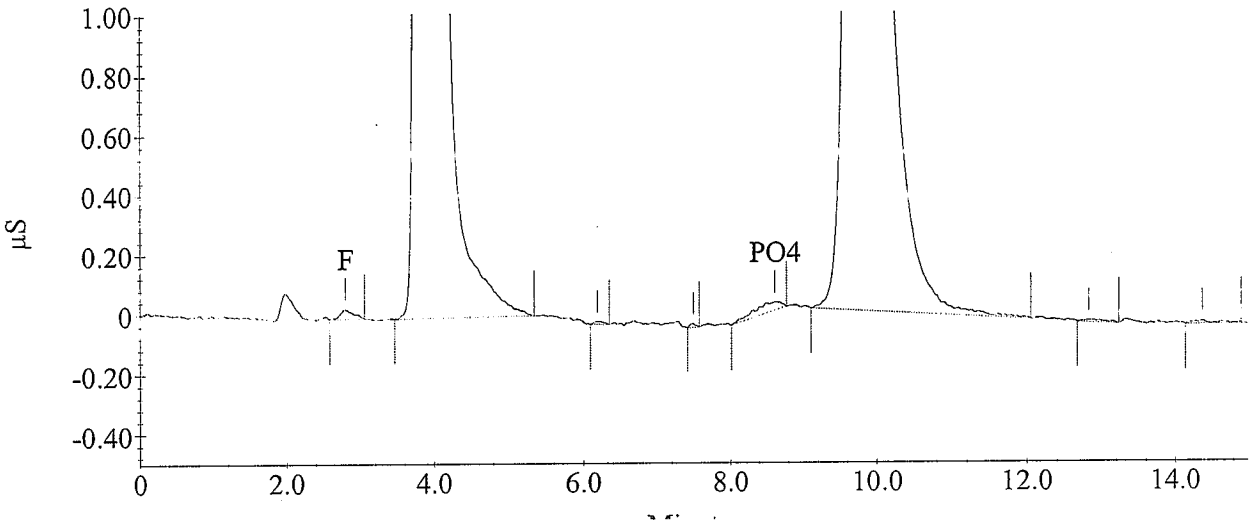
Sample Name : HE1DR
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DR_027.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 27
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 11:17:32 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HE1DR



HE1DR



STL North Canton Ion Chromatography Analysis Report

Sample Name : HE1DR
Data File Name : c:\peaknet\data\dx 320 data\070705\HE1DR_027.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 11:17:32 PM
Sample Weight : 1.00000
Injection Number : 27
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.17	3813	312
Cl	3.87	234.19	4812366	368411
NO2				
Br				
NO3				
PO4	8.61	0.43	8020	266
SO4	9.76	118.43	1534290	53000

Peak Information : Unknown Peaks

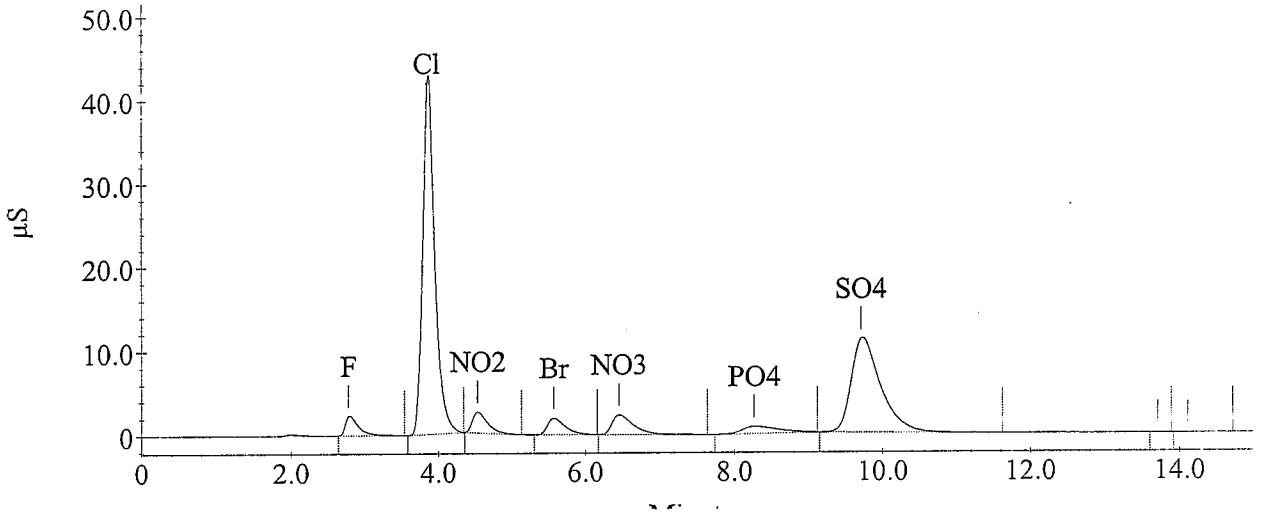
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	6.19	0.00	842	88
	7.49	0.00	622	112
	12.83	0.00	1527	70
	14.37	0.00	1674	104

STL North Canton Ion Chromatography Analysis Report

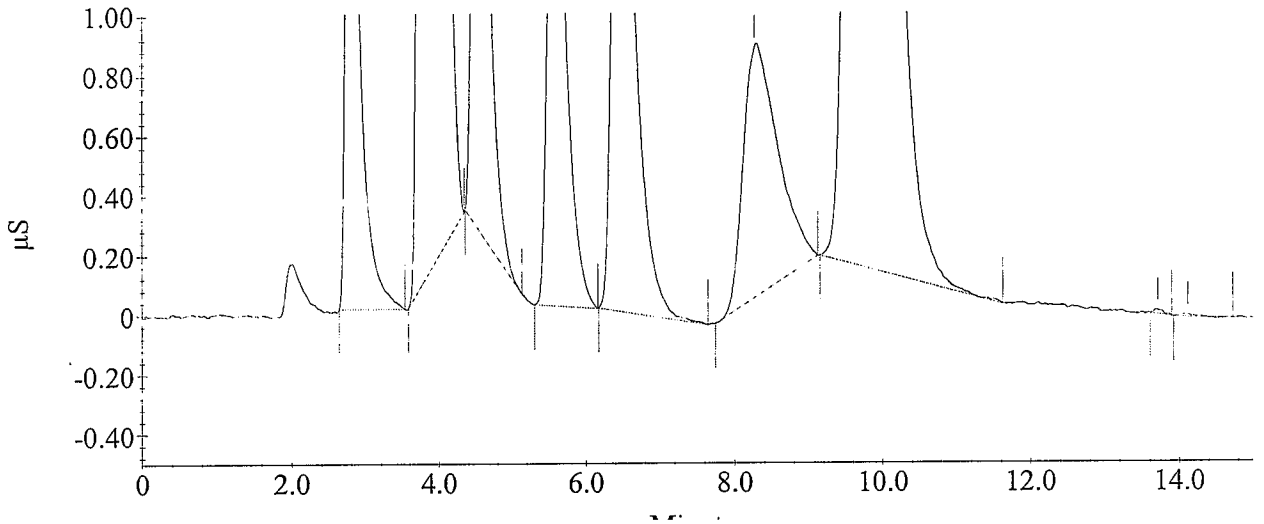
Sample Name : CCV #2
Data File Name : c:\peaknet\data\dx 320 data\070705\CCV #2_028.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 28
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 11:34:56 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #2



CCV #2



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #2
Data File Name : c:\peaknet\data\dx 320 data\070705\CCV #2_028.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 11:34:56 PM
Sample Weight : 1.00000
Injection Number : 28
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.58	290726	22572
Cl	3.83	47.25	4855763	382801
NO2	4.53	2.31	353248	24617
Br	5.57	9.65	319549	19504
NO3	6.45	2.43	462486	23245
PO4	8.27	2.90	271909	8347
SO4	9.71	47.10	3109384	111240

Peak Information : Unknown Peaks

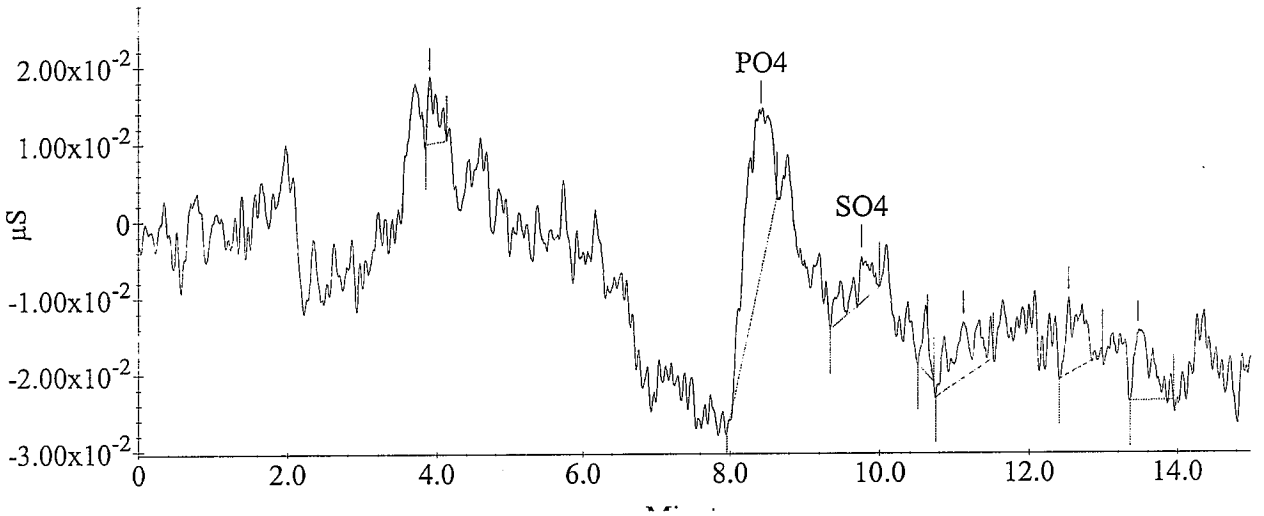
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	13.71	0.00	1146	129
	14.11	0.00	879	83

STL North Canton Ion Chromatography Analysis Report

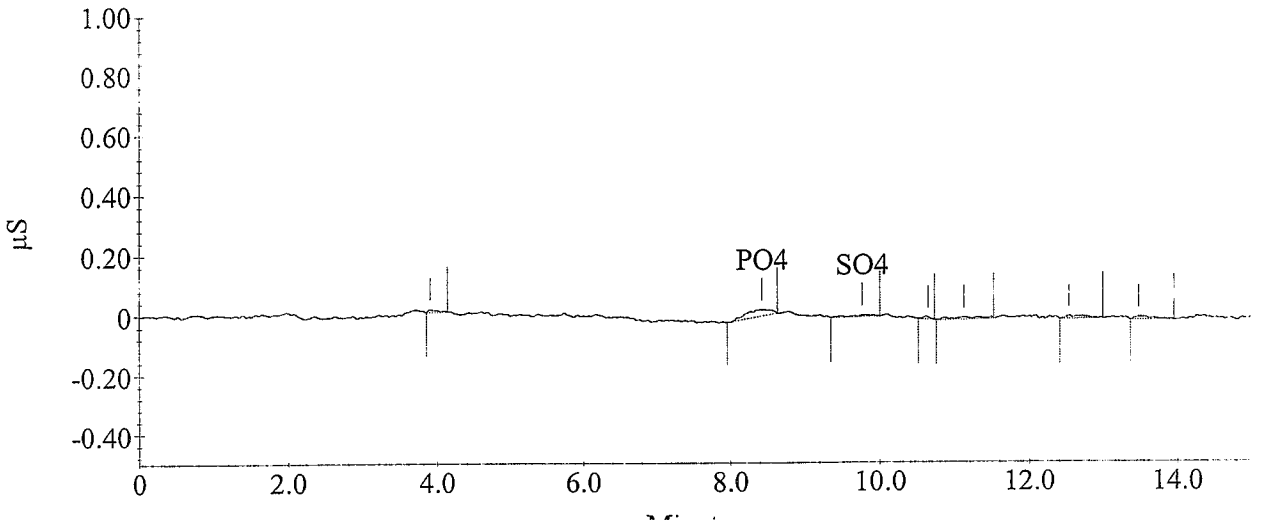
Sample Name : CCB #2
Data File Name : c:\peaknet\data\dx 320 data\070705\CCB #2_029.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 29
Schedule File Name : c:\peaknet\schedule\070705.sch	System Name : IC
Date Time Collected : 7/7/05 11:52:21 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #2



CCB #2



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #2
Data File Name : c:\peaknet\data\dx 320 data\070705\CCB #2_029.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070705.sch
Date Time Collected : 7/7/05 11:52:21 PM
Sample Weight : 1.00000
Injection Number : 29
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.90	0.00	717	83
Cl				
NO2				
Br				
NO3				
PO4	8.43	0.06	5331	205
SO4	9.76	0.02	1108	60

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.90	0.00	717	83
	10.64	0.00	500	65
	11.12	0.00	1792	72
	12.53	0.00	1367	98
	13.47	0.00	1512	88

STL North Canton General Chemistry Data Review Checklist

Parameter(s): Sulfide

Batch(es): 5143362

Method #/SOP#: 9030B

	YES			NO		
Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?			✓			✓
2. Calibration curve consist of the minimum number of calibration standards?			✓			✓
3. ICV analyzed at immediately after calibration and within control limits? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			✓			✓
4. ICB analyzed immediately after ICV and within criteria (± RL)?			✓			✓
Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			✓			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			✓			✓
General						
1. Were samples with concentrations > the linear range diluted and reanalyzed?			✓			✓
2. All reported results bracketed by in control QC?	✓			✓	C	
3. Sample analyses done within holding time?	✓			✓		
Batch QC						
1. LCS per prep batch and within QC limits? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			✓			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
Titrations						
1. Titrant standardized?			✓			✓
2. If no, standardization carries						
Miscellaneous						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error?	✓					
3. Transcriptions checked for error?	✓			✓		
4. All client/project specific requirements met?	✓			✓		
5. Date/time of preparation and analysis verified as correct?	✓			✓		
6. Units verified as correct?	✓					
7. Dilutions have been properly applied and RL's adjusted appropriately?	✓			✓		
8. SOP followed?	✓					
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓			✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓					

Comment on any "NO" response(s):

Level I reviewer: [signature] Date: 7/12/05

Level II Reviewer: [signature] Date: 7/12/05

Level I review

			STL, North Canton		
			Sulfide Logsheet		
Prep Date	7/12/05	Analyst	DB		Batch 514 3302
Anal Date	7/12/05				
					Lcs No.
Titrant	SODIUM				SD5012
Name	THIOSULFATE		Name	Iodine	Prep Date
Normality	0.025		Normality	0.0277	7/11/05
	Standardization				
Date	6/20/05		Date	7/12/05	RL
Intials	RN		Intials	DB	1 MG/L
Sample	Sample	dil	Titrant	Final Conc	QC/Calc
No.	Vol		Vol (ml)	mg/L or mg/kg	
BLK	250	1	22.3	-0.22	
LCS	250	1	12.7	15.14	TV=15.67
LCSD	250	1	12.5	15.46	
HE1DD	250	1	21.9	0.42	
HE1DG	250	1	21.0	1.86	
HE1DJ	250	1	21.7	0.74	
HE1DK	250	1	21.7	0.74	
HE1DL	250	1	22.0	0.26	
HE1DN	250	1	21.1	1.70	
HE1DP	250	1	20.2	3.14	
HE1DQ	250	1	21.9	0.42	
HE1DR	250	1	21.5	1.06	
HE31D	250	1	22.2	-0.06	
LCS 1	250	1	12.4	15.62	
LCS 2	250	1	12.4	15.62	
LCS 3	250	1	12.3	15.78	
BLANK 1	250	1	22.3	-0.22	
BLANK 2	250	1	22.1	0.10	
BLANK 3	250	1	22.2	-0.06	

STL – NORTH CANTON
SULFIDE, REACTIVE SULFIDE LOGSHEET

Prep/Anal Date 7/12/05 | Batch ____
Analyst DS | LCS No. 505012
RL ____ | LCS Prep Date 7/11/05
SODIUM THIOSULFATE | IODINE # mls used 20
Normality 0.025 | Normality 0.0277
Standardization Date 6/20/05 | Standardization Date 7/12/05
Initials RN | Initials DS

Sample	Sample Volume	Dil	Titrant Vol (mL)	Final Conc	Units	QC Calc and Comments
Blank	250	1X	22.3			
LCS			12.7			TV =
LCS-DUP			12.5			
HE1DD			21.9			
HE1DG			21.0			Iodine WK50674
HE1DJ			21.7			Starch WK-50676
HE1DK			21.7			H_2SO_4 WK50672
HE1DL			22.0			Sodium Thiosulfate WK-50458
HE1DN			21.1			
HE1DP			20.2			
HE1DQ			21.9			
HE1DR			21.5			
HE31D			22.2			
LCS1			12.4			
LCS2			12.4			
LCS3			12.3			
BLK1			22.3			
BLK2			22.1			
BLK3			22.2			
			MLG 7/12/05			

N:\QAQC\LAB_FORM\Wet Chem Sulfide Log.doc Revision 0, 06/01/01 DJL

STL North Canton General Chemistry Data Review Checklist

Parameter(s): CN-

Batch(es): 50 05/13/05 5196286

Method #/SOP#: 9012A

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?	✓			✓		
2. Calibration curve consist of the minimum number of calibration standards?				✓		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)				✓		
4. ICB analyzed immediately after ICV and within criteria (±RL)?				✓		
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			✓		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			✓		
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			✓		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
E. Standardization						
1. Titrant standardized?			✓			✓
2. If no, standardization expires						
F. Calculations						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?			✓			✓
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?				✓		
5. Date/time of preparation and analysis verified as correct ?				✓		
6. Units verified as correct?				✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓	✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s):

Level I reviewer: [signature] Date: 7/15/05

Level II Reviewer: [signature] Date: 7/15/05

Level I review:

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

Name of Run	: 050715A	Name of Analysis	: CN-NONCLPCHANNEL2.ANL
Date of Report	: 7/15/05	System No.	: 2
Date of Run	: 7/15/05	Type of System	: TRAACS
Operator	: OC	Start/Stop time	: 12:57 - 13:39
Comment	:		

5196286

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Channel Type	:	Real	Data	Data
Channel	:	2	1	2
Method	:	CN-Method 2	Weight	Dilution
Unit	:	mg/L		
Calibr. Fit	:	Linear		
Corr. Coeff.	:	1.0000 ✓		
Base	:	70		
Gain	:	72		
Sensitivity	:	0.1336		
Sample Limit 1	:			
Sample Limit 2	:			

Pk	Cup		Sample Id	Conc	Conc	Conc
0	0	B	Baseline	-0.0010	0.0000	0.0000
1	1	P	Primer	0.1987	1.0000	1.0000
2	1	C	.200 PPM CY50206 17	0.1998	1.0000	1.0000
3	2	C	.100 PPM CY50207 18	0.1001	1.0000	1.0000
4	3	C	.050 PPM CY50208 19	0.0505	1.0000	1.0000
5	4	C	.025 PPM CY50209 20	0.0248	1.0000	1.0000
6	5	C	.010 PPM CY50210 21	0.0102	1.0000	1.0000
7	6	C	.005 PPM CY50217 22	0.0046	1.0000	1.0000
8	1	H1	High	0.1985	1.0000	1.0000
9	0	L1	Low	0.0003	1.0000	1.0000
10	0	L1	Low	0.0004	1.0000	1.0000
11	2	D	Drift	0.1002	1.0000	1.0000
12	7	QC1	ICV CY50223	0.0983 ✓	1.0000	1.0000
13	8	QC2	ICB	0.0000 ✓	1.0000	1.0000
14	5	QC1	0.01	0.0099	1.0000	1.0000
15	9	QC3	PREP BLK	-0.0006 ✓	1.0000	1.0000
16	10	QC4	LCS	0.1746 /.16	1.0000	1.0000
17	11	S	0.025	0.0249 ✓	1.0000	1.0000
18	12	S	0.075	0.0769 ✓	1.0000	1.0000
19	13	S	HEXEE	0.0011	1.0000	1.0000
20	14	S	HEXEG	0.0014	1.0000	1.0000
21	15	S	HEXEH	0.0003	1.0000	1.0000
22	16	S	HEXEJ	-0.0007	1.0000	1.0000
23	17	S	HEXEJ MS	0.0388	1.0000	1.0000
24	18	S	HEXEJ MSD	0.0382	1.0000	1.0000

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25	19	S	HEXEL	0.0014	1.0000	1.0000
26	20	S	HEXEN	0.0041	1.0000	1.0000
27	5	QC10.01		0.0097	1.0000	1.0000
28	2	QC1	CCV	0.1014	1.0000	1.0000
29	8	QC2	CCB	-0.0004	1.0000	1.0000
30	21	S	HEXEP	0.0018	1.0000	1.0000
31	22	S	HEXER	0.0015	1.0000	1.0000
32	23	S	HEXET	0.0019	1.0000	1.0000
33	24	S	HE1DD	-0.0002	1.0000	1.0000
34	25	S	HE1DG	0.0006	1.0000	1.0000
35	26	S	HE1DJ	0.0006	1.0000	1.0000
36	27	S	HE1DK	0.0008	1.0000	1.0000
37	28	S	HE1DL	0.0098	1.0000	1.0000
38	29	S	HE1DN	-0.0004	1.0000	1.0000
39	30	S	HE1DP	0.0004	1.0000	1.0000
40	5	QC10.01		0.0092	1.0000	1.0000
41	2	QC1	CCV	0.0992	1.0000	1.0000
42	8	QC2	CCB	-0.0001	1.0000	1.0000
43	31	S	HE1DQ	0.0001	1.0000	1.0000
44	32	S	HE1DR	-0.0004	1.0000	1.0000
45	33	S	HE47C	-0.0008	1.0000	1.0000
46	34	S	HE6DX	-0.0009	1.0000	1.0000
47	5	QC100.01		0.0094	1.0000	1.0000
48	2	QC1	CCV	0.0993	1.0000	1.0000
49	8	QC2	CCB	0.0003	1.0000	1.0000
50	2	D	Drift	0.1002	1.0000	1.0000
51	0	B	FinalBase	-0.0010	1.0000	1.0000

QC Limits

Channel :	2
QC 1	Unused
QC 2	Unused
QC 3	Unused
QC 4	Unused
QC 5	Unused
QC 6	Unused
QC 7	Unused
QC 8	Unused
QC 9	Unused
QC10	Unused

CORRECTIONS

Channel :	2
Baseline :	Yes
Drift :	Yes
Carry over :	Yes
%:	2.4

---

* ... Sample offscale
+ ... Result higher than sample limit
- ... Result lower than sample limit
P ... Standard passed
F ... Standard failed
N ... Value not calculated or not used
R ... Resample after offscale
M ... Peak marker moved manually
D ... Diluted sample

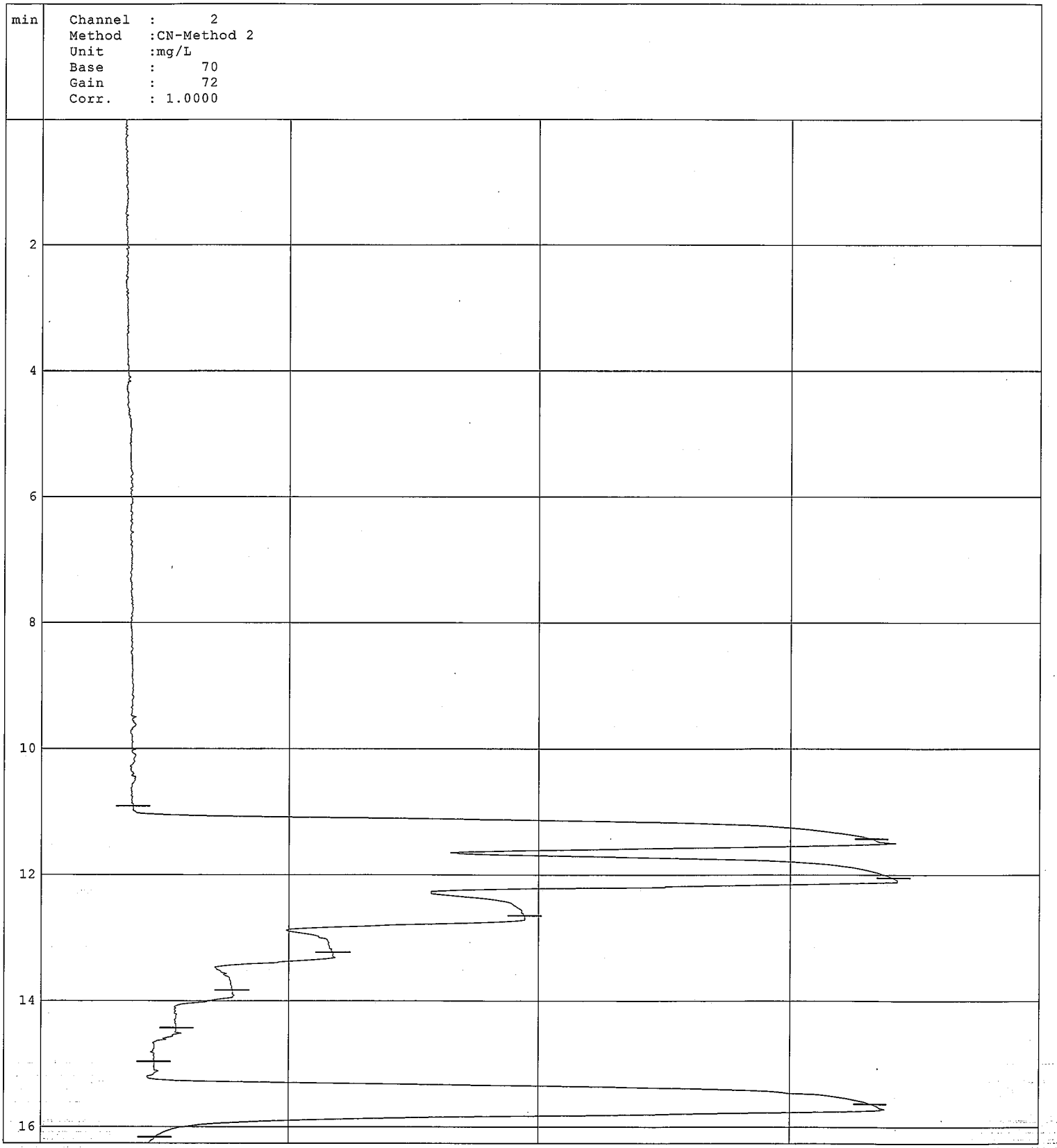
** <END OF REPORT> **

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

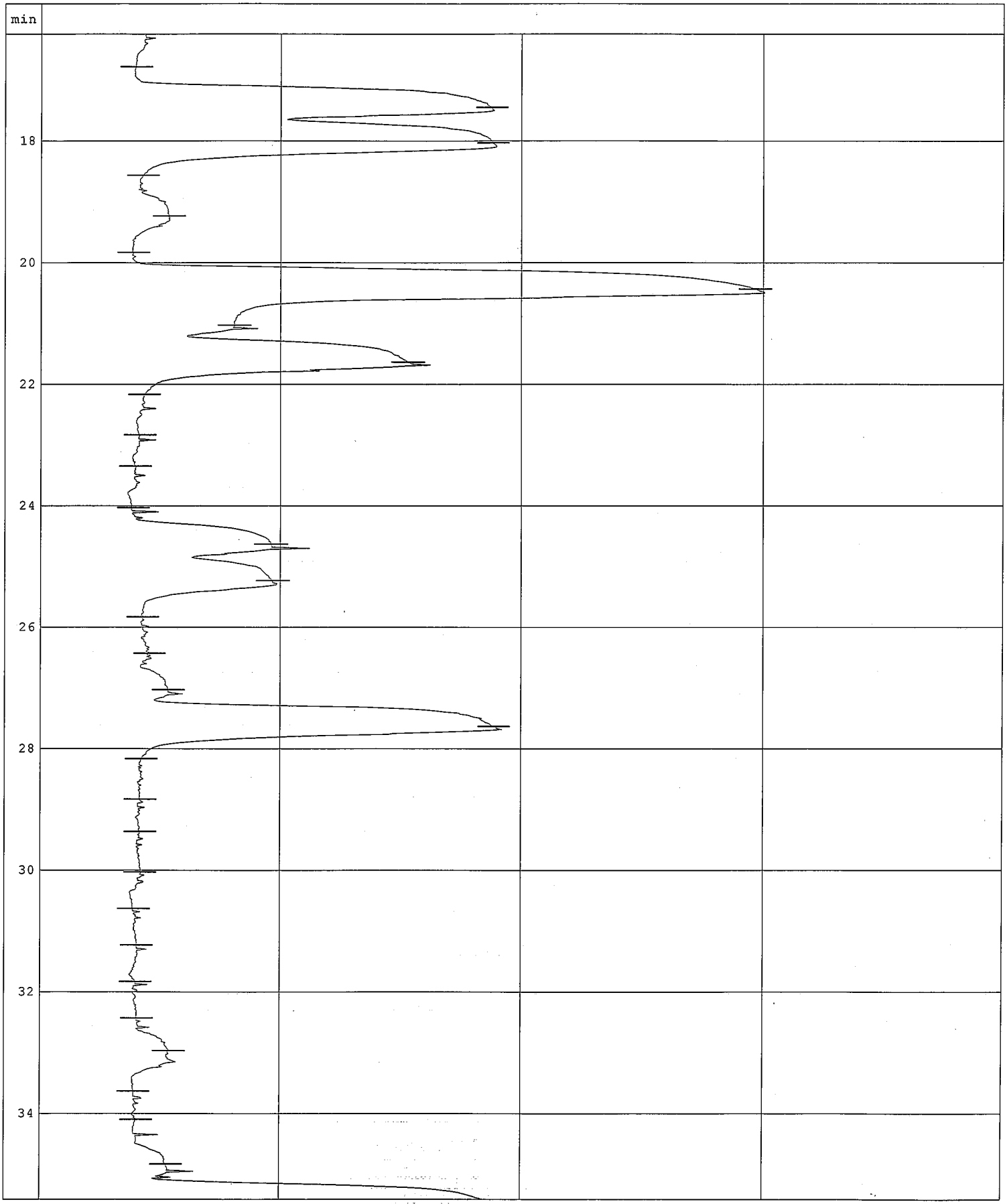
Name of run :050715A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



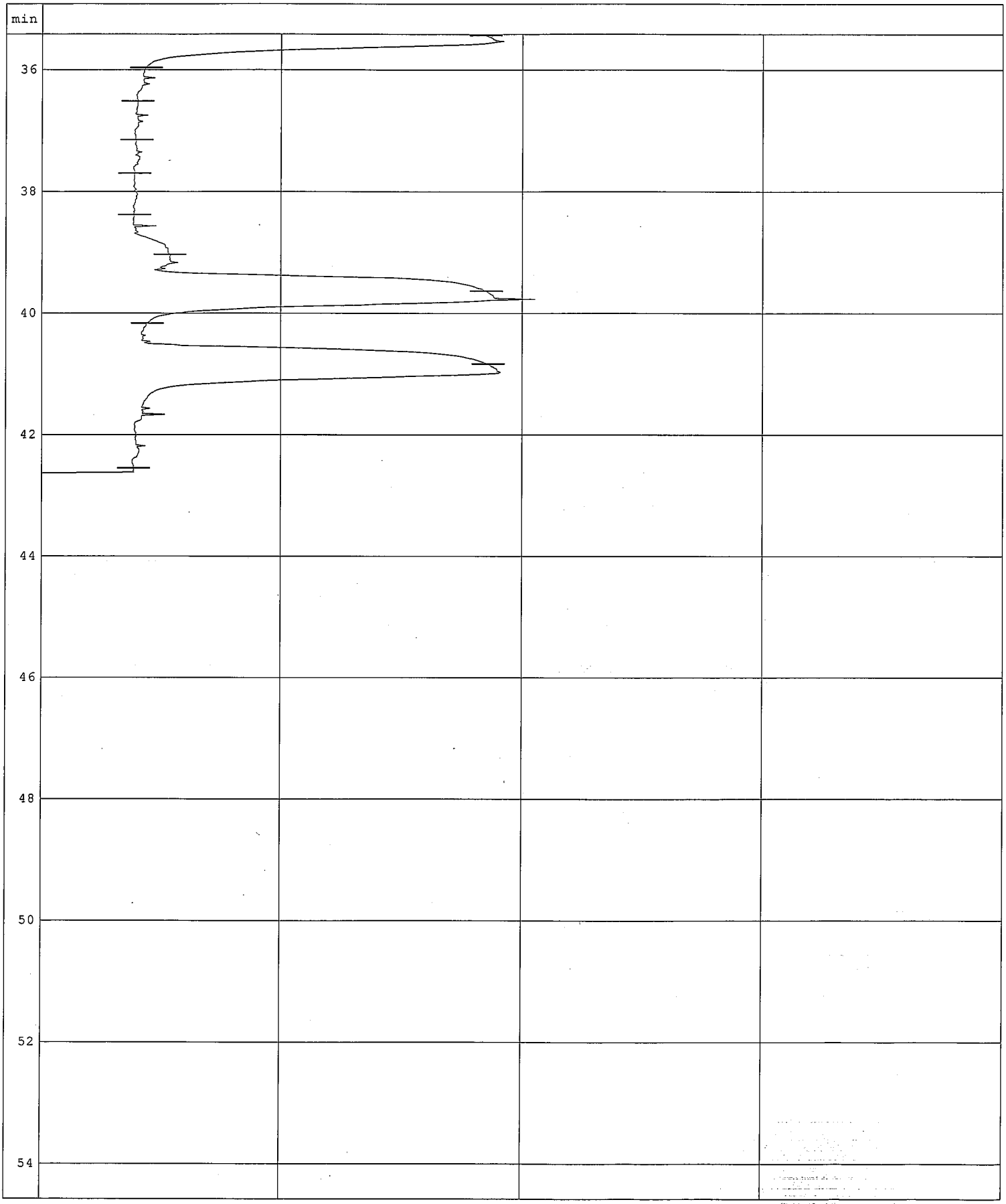
Name of run :050715A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



Name of run :050715A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



Severn Trent North Canton
Cyanide Reagents

Date: 7/15/2005

Analyst: MFG

Reagent Name	Reagent Number
Sulfamic Acid	WR50608
Magnesium Chloride	WR50105
NaOH	WR50707
Chloromine T	WR50722
Phosphate Buffer	WR50632
Pyradine Barbituric Acid	WR50721
Ottowa Sand	WR50057

STL – NORTH CANTON
CYANIDE DISTILLATION LOGSHEET

Prep/Anal Date 7/15/05 Analyst(s) QC Batch _____

LCS No 118502 MS/MSD No cy50224 MS Prep Date _____

Start Time 10:20 End Time 11:20 Cool Down Time 15

Sample	Type T	C	F	pH >12	S	Cl2	Sample Volume (mL)	Final Volume (mL)	Comments
BLANK	T	C	F	✓	✓	✓	50	50	
LCS	T	C	F						TV = .166
.025	T	C	F						.125 of 10ppm 1/2
.075	T	C	F						.375
HEXEG	T	C	F						
EG	T	C	F						
EH	T	C	F						
EJ	T	C	F						
EJ MS	T	C	F						2mls of 1ppm 2°
EJ MSD	T	C	F						2
EL	T	C	F						
EN	T	C	F						
EP	T	C	F						
ER	T	C	F						
ET	T	C	F						
HEIDD	T	C	F						
DG	T	C	F						
DJ	T	C	F						
DK	T	C	F	✓					11 pH
DL	T	C	F	✓					10 pH
DN	T	C	F	✓					
DP	T	C	F						
DQ	T	C	F						
DR	T	C	F						
HE47C	T	C	F						
GDX	T	C	F						

Type: T = Total C = Chlorinated F = Free

S and Cl2 Column – a check mark in these columns indicates the sample was checked for this interference. If the interference is present, the analyst will address this in the comments section.

N:\QAQC\LAB_FORM\Wet Chem CN Distillation Log.doc Revision 0, 06/01/01 DJL

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5G070131	1		HE1DD1AH	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	1		HE1DD1AG	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	1		HE1DD1AC	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	1		HE1DD1AD	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	1		HE1DD1AE	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	1		HE1DD1AF	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	2		HE1DG1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	2		HE1DG1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	2		HE1DG1AM	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	2		HE1DG1AN	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	2		HE1DG1AP	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	2		HE1DG1AQ	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	3		HE1DJ1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	3		HE1DJ1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	3		HE1DJ1AM	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	3		HE1DJ1AN	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	3		HE1DJ1AP	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	3		HE1DJ1AQ	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	3	S	HE1DJ1A9	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	3	S	HE1DJ1CA	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	3	S	HE1DJ1CC	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	4		HE1DK1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	4		HE1DK1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	4		HE1DK1AM	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	4		HE1DK1AN	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	4		HE1DK1AP	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	4		HE1DK1AQ	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5G070131	5		HE1DL1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	5		HE1DL1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	5		HE1DL1AM	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	5		HE1DL1AN	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	5		HE1DL1AP	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	5		HE1DL1AQ	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	6		HE1DN1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	6		HE1DN1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	6		HE1DN1AM	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	6		HE1DN1AN	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	6		HE1DN1AP	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	6		HE1DN1AQ	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	7		HE1DP1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	7		HE1DP1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	7		HE1DP1AM	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	7		HE1DP1AN	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	7		HE1DP1AP	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	7		HE1DP1AQ	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	8		HE1DQ1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	8		HE1DQ1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	8		HE1DQ1AM	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	8		HE1DQ1AN	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	8		HE1DQ1AP	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	8		HE1DQ1AQ	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	9		HE1DR1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/12/05	Deborah Bolgrin	07/12/05	Deborah Bolgrin
A5G070131	9		HE1DR1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G070131	9		HE1DR1AM	Chloride (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5G070131	9		HE1DR1AN	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	9		HE1DR1AP	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	9		HE1DR1AQ	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	9	S	HE1DR1A9	Nitrate as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	9	S	HE1DR1CA	Nitrite as N (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan
A5G070131	9	S	HE1DR1CC	Sulfate (300.0, Ion Chromatography)	07/07/05	Rebecca Nolan	07/07/05	Rebecca Nolan

SEVERN TRENT STL

END OF REPORT

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Total # of Pages in this Document 583

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SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

YEOMAN CREEK LF

Lot #: A5G060137

Carlos Serna

Matrix Environmental, Inc.
1880 West Winchester Road
Suite 111
Libertyville, IL 60048

SEVERN TRENT LABORATORIES, INC.

David S. Heakin
Project Manager

July 25, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A5G060137

The following report contains the analytical results for nine water samples and one quality control sample submitted to STL North Canton by Matrix Environmental, Inc. from the Yeoman Creek LF Site. The samples were received July 06, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, David S. Heakin, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.3°C.

GC/MS VOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

CASE NARRATIVE (continued)

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

Matrix spike recovery and relative percent difference (RPD) data were not calculated for some analytes for MW-211 due to the sample concentration reading greater than four times the spike amount. See the Matrix Spike Report for the affected analytes which will be flagged with "NC, MSB".

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) had elevated reporting limits due to matrix interferences. Refer to the sample report pages for the affected analyte(s) flagged with "G".

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Massachusetts (#M-OH048), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), North Carolina (#39702), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), Virginia (#00011), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5G060137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-211 07/05/05 06:30 001				
Cobalt	0.0022 B	0.0070	mg/L	SW846 6010B
Barium	0.46	0.20	mg/L	SW846 6010B
Boron	0.33	0.20	mg/L	SW846 6010B
Calcium	129 J	5.0	mg/L	SW846 6010B
Iron	11.5	0.10	mg/L	SW846 6010B
Potassium	26.1 J	5.0	mg/L	SW846 6010B
Magnesium	74.2	5.0	mg/L	SW846 6010B
Manganese	0.11 J	0.015	mg/L	SW846 6010B
Sodium	67.3	5.0	mg/L	SW846 6010B
Nickel	0.0021 B	0.040	mg/L	SW846 6010B
Zinc	0.0066	0.020	mg/L	SW846 6010B
	Qualifiers: B,J			
Benzene	1.1	1.0	ug/L	SW846 8260B
Chloride	345	5.0	mg/L	MCAWW 300.0A
Sulfate	148	1.0	mg/L	MCAWW 300.0A
MW-F 07/05/05 15:30 002				
Barium	0.12 B	0.20	mg/L	SW846 6010B
Boron	0.36	0.20	mg/L	SW846 6010B
Calcium	145 J	5.0	mg/L	SW846 6010B
Iron	4.3	0.10	mg/L	SW846 6010B
Potassium	15.0 J	5.0	mg/L	SW846 6010B
Magnesium	98.6	5.0	mg/L	SW846 6010B
Manganese	0.045 J	0.015	mg/L	SW846 6010B
Sodium	162	5.0	mg/L	SW846 6010B
Zinc	0.0078	0.020	mg/L	SW846 6010B
	Qualifiers: B,J			
Chloride	83.7	1.0	mg/L	MCAWW 300.0A
Sulfate	27.7	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.025 B	0.10	mg/L	MCAWW 300.0A
Acid-soluble sulfide	0.38 B	0.50	mg/L	SW846 9030B/9034
MW-D 07/05/05 14:20 003				
Barium	0.10 B	0.20	mg/L	SW846 6010B
Boron	0.086 B	0.20	mg/L	SW846 6010B
Calcium	126 J	5.0	mg/L	SW846 6010B
Iron	2.4	0.10	mg/L	SW846 6010B
Potassium	3.8 B,J	5.0	mg/L	SW846 6010B
Magnesium	47.5	5.0	mg/L	SW846 6010B
Manganese	0.14 J	0.015	mg/L	SW846 6010B
Sodium	214	5.0	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5G060137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-D 07/05/05 14:20 003				
Chloride	387	5.0	mg/L	MCAWW 300.0A
Sulfate	84.2	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.027 B	0.10	mg/L	MCAWW 300.0A
MW-403 07/05/05 11:00 004				
Chromium	0.0080	0.0050	mg/L	SW846 6010B
Lead	0.0027 B	0.0030	mg/L	SW846 6010B
Aluminum	0.050 B	0.20	mg/L	SW846 6010B
Barium	0.0044 B	0.20	mg/L	SW846 6010B
Boron	0.83	0.20	mg/L	SW846 6010B
Calcium	6.8 J	5.0	mg/L	SW846 6010B
Copper	0.065	0.025	mg/L	SW846 6010B
Iron	0.73	0.10	mg/L	SW846 6010B
Potassium	2.6 B,J	5.0	mg/L	SW846 6010B
Magnesium	6.4	5.0	mg/L	SW846 6010B
Manganese	0.011 B,J	0.015	mg/L	SW846 6010B
Sodium	112	5.0	mg/L	SW846 6010B
Nickel	0.0044 B	0.040	mg/L	SW846 6010B
Zinc	9.6 J	0.020	mg/L	SW846 6010B
Toluene	310	10	ug/L	SW846 8260B
Chloride	21.9	1.0	mg/L	MCAWW 300.0A
Sulfate	148	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.019 B	0.10	mg/L	MCAWW 300.0A
MW-405 07/05/05 15:04 005				
Cobalt	0.0026 B	0.0070	mg/L	SW846 6010B
Barium	0.28	0.20	mg/L	SW846 6010B
Boron	0.20	0.20	mg/L	SW846 6010B
Calcium	107 J	5.0	mg/L	SW846 6010B
Potassium	12.4 J	5.0	mg/L	SW846 6010B
Magnesium	77.1	5.0	mg/L	SW846 6010B
Manganese	0.084 J	0.015	mg/L	SW846 6010B
Sodium	77.2	5.0	mg/L	SW846 6010B
Nickel	0.21	0.040	mg/L	SW846 6010B
Zinc	0.31 J	0.020	mg/L	SW846 6010B
Chloride	187	1.0	mg/L	MCAWW 300.0A
Sulfate	47.2	1.0	mg/L	MCAWW 300.0A
Nitrate as N	2.3	0.10	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5G060137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-E2 07/05/05 14:07 006				
Selenium	0.0025 B	0.0050	mg/L	SW846 6010B
Barium	0.60	0.20	mg/L	SW846 6010B
Beryllium	0.00039 B	0.0050	mg/L	SW846 6010B
Boron	0.51	0.20	mg/L	SW846 6010B
Calcium	185 J	5.0	mg/L	SW846 6010B
Iron	4.0	0.10	mg/L	SW846 6010B
Potassium	21.8 J	5.0	mg/L	SW846 6010B
Magnesium	95.1	5.0	mg/L	SW846 6010B
Manganese	0.083 J	0.015	mg/L	SW846 6010B
Sodium	158	5.0	mg/L	SW846 6010B
Nickel	0.0037 B	0.040	mg/L	SW846 6010B
Chloride	347	5.0	mg/L	MCAWW 300.0A
Sulfate	138	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.022 B	0.10	mg/L	MCAWW 300.0A
Cyanide, Total	0.0041 B	0.010	mg/L	SW846 9012A
MW-212 07/05/05 18:22 007				
Barium	0.16 B	0.20	mg/L	SW846 6010B
Boron	0.12 B	0.20	mg/L	SW846 6010B
Calcium	132 J	5.0	mg/L	SW846 6010B
Iron	18.9	0.10	mg/L	SW846 6010B
Potassium	4.4 B,J	5.0	mg/L	SW846 6010B
Magnesium	46.9	5.0	mg/L	SW846 6010B
Manganese	0.31 J	0.015	mg/L	SW846 6010B
Sodium	33.3	5.0	mg/L	SW846 6010B
Chlorobenzene	0.82 J	1.0	ug/L	SW846 8260B
Chloride	28.6	1.0	mg/L	MCAWW 300.0A
Sulfate	98.7	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.035 B	0.10	mg/L	MCAWW 300.0A
MW-E1 07/05/05 12:04 008				
Arsenic	0.0048 B	0.010	mg/L	SW846 6010B
Aluminum	0.062 B	0.20	mg/L	SW846 6010B
Barium	0.31	0.20	mg/L	SW846 6010B
Boron	0.13 B	0.20	mg/L	SW846 6010B
Calcium	100 J	5.0	mg/L	SW846 6010B
Iron	0.75	0.10	mg/L	SW846 6010B
Potassium	7.8 J	5.0	mg/L	SW846 6010B
Magnesium	51.2	5.0	mg/L	SW846 6010B
Manganese	0.038 J	0.015	mg/L	SW846 6010B
Sodium	339	5.0	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5G060137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-E1 07/05/05 12:04 008				
Nickel	0.019 B	0.040	mg/L	SW846 6010B
Zinc	0.10 J	0.020	mg/L	SW846 6010B
Chloride	743	5.0	mg/L	MCAWW 300.0A
Sulfate	44.4	1.0	mg/L	MCAWW 300.0A
MW-406 07/05/05 14:20 009				
Barium	1.3	0.20	mg/L	SW846 6010B
Boron	0.63	0.20	mg/L	SW846 6010B
Calcium	138 J	5.0	mg/L	SW846 6010B
Iron	0.94	0.10	mg/L	SW846 6010B
Potassium	31.0 J	5.0	mg/L	SW846 6010B
Magnesium	76.6	5.0	mg/L	SW846 6010B
Manganese	0.041 J	0.015	mg/L	SW846 6010B
Sodium	167	5.0	mg/L	SW846 6010B
Nickel	0.0031 B	0.040	mg/L	SW846 6010B
Chloride	256	5.0	mg/L	MCAWW 300.0A
Sulfate	8.1	1.0	mg/L	MCAWW 300.0A
TRIP 07/05/05 010				
Toluene	0.38 J	1.0	ug/L	SW846 8260B

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5G060137

PARAMETER	ANALYTICAL METHOD
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A5G060137

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HEXEE	001	MW-211	07/05/05	06:30
HEXEG	002	MW-F	07/05/05	15:30
HEXEH	003	MW-D	07/05/05	14:20
HEXEJ	004	MW-403	07/05/05	11:00
HEXEL	005	MW-405	07/05/05	15:04
HEXEN	006	MW-E2	07/05/05	14:07
HEXEP	007	MW-212	07/05/05	18:22
HEXER	008	MW-E1	07/05/05	12:04
HEXET	009	MW-406	07/05/05	14:20
HEXEV	010	TRIP	07/05/05	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Matrix Environmental	Project Manager: Carlos Sarm	Date: 7/5/05	Chain of Custody Number: 232101
Address: 1880 Winchester Suite 111	Telephone Number (Area Code)/Fax Number: 847-367-6835	Lab Number:	Page ____ of ____
City: Libertyville; State: IL; Zip Code: 60048	Site Contact: John Symon; Lab Contact:		
Project Name and Location (State): Yeoman Creek LF	Carrier/Waybill Number: FedEx		
Contract/Purchase Order/Quote No.: John Symon			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC	Metals	Indicator	Cyanide	Special Instructions/ Conditions of Receipt
MW-211	7/5/5	6:30															
MW-F		3:30															
MW-D		2:20															
MW-403		11:00															
MW-405		3:04															
MW-E2		2:07															
MW-212		6:22															
MW-E1		12:04															
MW-406		2:20															
Trip																	

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]			1. Received By: Keith R. Miller	7-6-05	9:25
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments

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

STL North Canton

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RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 1356603

Lot #: A5G060137

Case Number/SDG:

Storage Location: C90 S18 MS/MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HEXEE	MITEVD	7/06/05	Yes		Storage	
HEXEG	MITEVD	7/06/05	Yes		Storage	
HEXEH	MITEVD	7/06/05	Yes		Storage	
HEXEJ	MITEVD	7/06/05	Yes		Storage	
HEXEL	MITEVD	7/06/05	Yes		Storage	
HEXEN	MITEVD	7/06/05	Yes		Storage	
HEXEP	MITEVD	7/06/05	Yes		Storage	
HEXER	MITEVD	7/06/05	Yes		Storage	
HEXET	MITEVD	7/06/05	Yes		Storage	
HEXEV	MITEVD	7/06/05	Yes		Storage	

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 1356603

Lot #: A5G060137

Case Number/SDG:

Storage Location: C90 S18 MS/MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HEXEE	MITEVD	7/06/05	Yes		Storage	
HEXEG	MITEVD	7/06/05	Yes		Storage	
HEXEH	MITEVD	7/06/05	Yes		Storage	
HEXEJ	MITEVD	7/06/05	Yes		Storage	
HEXEL	MITEVD	7/06/05	Yes		Storage	
HEXEN	MITEVD	7/06/05	Yes		Storage	
HEXEP	MITEVD	7/06/05	Yes		Storage	
HEXER	MITEVD	7/06/05	Yes		Storage	
HEXET	MITEVD	7/06/05	Yes		Storage	
HEXEV	MITEVD	7/06/05	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** A5G060137
North Canton Facility LF

Client: Matrix Environmental Project: Yeoman Creek Quote#: _____
Cooler Received on: 7-6-05 Opened on: 7-6-05 by: Keith R. Mille (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: _____
STL Cooler No# X127 Foam Box ☐ Client Cooler ☐ Other ___

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity _____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other : _____
6. Cooler temperature upon receipt 1.3 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_2O Slurry ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☒ NA ☐
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐

Contacted PM DSH Date: 6 7/6 by: CM via Voice Mail ☒ Verbal ☐ Other ☐
Concerning: #1, #3

√	

1. CHAIN OF CUSTODY

✓	The following discrepancies occurred: Trip Blank not marked for any tests on COC. Will log for VOC's. Will split 250ml from 500ml unpreserved bottle for sulfide test per DSH.

2. SAMPLE CONDITION

	Sample(s) _____ were received after the recommended holding time had expired.
	Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

✓	Sample(s) MW-406 were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 051105-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -041305 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH			Date	Initials
211	7 9	<2	>12	7-6-05	CM/KRM
F	7 9	<2	>12		
D	7 9	<2	>12		
403	7 9	<2	>12		
405	7 9	<2	>12		

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH			Date	Initials
E2	79	≤2	>12	7-6-05	KRM
212	79	<2	>12	"	"
F1	79	<2	>12	"	"
406	79	<2	>12	"	"

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G060137

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW-211	106	90	97	93	00
02	MW-F	108	92	96	91	00
03	MW-D	102	89	96	94	00
04	MW-403	95	105	98	100	00
05	MW-405	108	89	94	90	00
06	MW-E2	111	94	97	92	00
07	MW-212	106	90	97	93	00
08	MW-E1	105	92	99	91	00
09	MW-406	108	91	96	91	00
10	TRIP	105	90	95	91	00
11	INTRA-LAB QC	104	90	96	93	00
12	INTRA-LAB QC	95	102	98	96	00
13	METHOD BLK. HFC531AA	95	99	99	97	00
14	METHOD BLK. HFF9H1AA	104	86	96	93	00
15	LCS HFC531AC	97	107	99	98	00
16	LCS HFF9H1AC	106	95	100	102	00
17	LAB MS/MSD D	107	91	98	99	00
18	LAB MS/MSD D	93	104	99	101	00
19	LCSD HFC531AD	98	107	99	102	00
20	LCSD HFF9H1AD	105	88	97	97	00
21	LAB MS/MSD S	105	92	99	102	00
22	LAB MS/MSD S	98	110	98	101	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G130000 WO #: HFC531AC
BATCH: 5194241

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	12	117	63 - 130	
Trichloroethene	10	10	102	75 - 122	
Benzene	10	10	102	80 - 116	
Toluene	10	11	112	74 - 119	
Chlorobenzene	10	10	105	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G130000 WO #: HFC531AD
BATCH: 5194241

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	100	63 - 130	
Trichloroethene	10	9.7	97	75 - 122	
Benzene	10	9.9	99	80 - 116	
Toluene	10	11	109	74 - 119	
Chlorobenzene	10	10	104	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G140000 WO #: HFF9H1AC
BATCH: 5195234

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	102	63 - 130	
Trichloroethene	10	11	112	75 - 122	
Benzene	10	9.9	99	80 - 116	
Toluene	10	9.4	94	74 - 119	
Chlorobenzene	10	9.9	99	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G140000 WO #: HFF9H1AD
BATCH: 5195234

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.3	93	63 - 130	
Trichloroethene	10	11	109	75 - 122	
Benzene	10	9.7	97	80 - 116	
Toluene	10	9.1	91	74 - 119	
Chlorobenzene	10	9.6	96	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G090154 WO #: HE6PC1AE
BATCH: 5195234

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	50	ND	49	98	62 - 130	
Trichloroethene	50	ND	52	104	62 - 130	
Benzene	50	ND	46	93	78 - 118	
Toluene	50	ND	46	92	70 - 119	
Chlorobenzene	50	ND	48	97	76 - 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G090154 WO #: HE6PC1AF
BATCH: 5195234

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	50	49	99	0.90	20	62 - 130	
Trichloroethene	50	54	109	4.1	20	62 - 130	
Benzene	50	48	97	4.5	20	78 - 118	
Toluene	50	46	91	0.090	20	70 - 119	
Chlorobenzene	50	48	97	0.020	20	76 - 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G090154 WO #: HE6PJ1AD
BATCH: 5194241

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	10	100	62 - 130	
Trichloroethene	10	ND	9.4	94	62 - 130	
Benzene	10	ND	9.4	94	78 - 118	
Toluene	10	ND	10	102	70 - 119	
Chlorobenzene	10	ND	9.6	96	76 - 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G090154 WO #: HE6PJ1AE
BATCH: 5194241

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	11	106	5.5	20	62 - 130	
Trichloroethene	10	9.2	92	2.8	20	62 - 130	
Benzene	10	9.1	91	2.9	20	78 - 118	
Toluene	10	10	103	1.8	20	70 - 119	
Chlorobenzene	10	9.6	96	0.46	20	76 - 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: HFF9H1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXX9789.D

Lot Number: A5G060137

Date Analyzed: 07/13/05

Time Analyzed: 00:16

Matrix: WATER

Date Extracted:07/13/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-211	HEXEE1AA	UXX9800.D	07/13/05	04:49
02	MW-F	HEXEG1AL	UXX9801.D	07/13/05	05:14
03	MW-D	HEXEH1AL	UXX9802.D	07/13/05	05:38
04	MW-405	HEXEL1AL	UXX9803.D	07/13/05	06:03
05	MW-E2	HEXEN1AL	UXX9804.D	07/13/05	06:28
06	MW-212	HEXEP1AL	UXX9805.D	07/13/05	06:53
07	MW-E1	HEXER1AL	UXX9806.D	07/13/05	07:18
08	MW-406	HEXET1AL	UXX9807.D	07/13/05	07:42
09	TRIP	HEXEV1AA	UXX9808.D	07/13/05	08:07
10	INTRA-LAB QC	HE6PC1AA	UXX9794.D	07/13/05	02:20
11	LAB MS/MSD	HE6PC1AE S	UXX9795.D	07/13/05	02:45
12	LAB MS/MSD	HE6PC1AF D	UXX9796.D	07/13/05	03:10
13	CHECK SAMPLE	HFF9H1AC C	UXX9787.D	07/12/05	23:27
14	DUPLICATE CHECK	HFF9H1AD L	UXX9788.D	07/12/05	23:52
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: HFC531AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXJ5474.D

Lot Number: A5G060137

Date Analyzed: 07/13/05

Time Analyzed: 10:09

Matrix: WATER

Date Extracted: 07/13/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX11

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-403	HEXEJ1AL	UXJ5498.D	07/13/05	18:43
02	INTRA-LAB QC	HE6PJ1AA	UXJ5484.D	07/13/05	13:44
03	LAB MS/MSD	HE6PJ1AD S	UXJ5491.D	07/13/05	16:13
04	LAB MS/MSD	HE6PJ1AE D	UXJ5492.D	07/13/05	16:35
05	CHECK SAMPLE	HFC531AC C	UXJ5472.D	07/13/05	09:27
06	DUPLICATE CHECK	HFC531AD L	UXJ5473.D	07/13/05	09:47
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:

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G060137

Lab File ID: BFB1701 BFB Injection Date: 06/22/05

Instrument ID: A3UX10 BFB Injection Time: 1623

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	80.8
175	5.0 - 9.0% of mass 174	6.0 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.5 (99.6)1
177	5.0 - 9.0% of mass 176	5.2 (6.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UXX9118	06/22/05	1639
02	VSTD020	100NG-IC	UXX9119	06/22/05	1704
03	VSTD010	50NG-IC	UXX9120	06/22/05	1729
04	VSTD005	25NG-IC	UXX9121	06/22/05	1754
05	VSTD002	10NG-IC	UXX9122	06/22/05	1818
06	VSTD001	5NG-IC	UXX9123	06/22/05	1843
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G060137

Lab File ID: BFB1726 BFB Injection Date: 07/12/05

Instrument ID: A3UX10 BFB Injection Time: 2212

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	51.6
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	0.8 (1.0)1
174	50.0 - 100.0% of mass 95	82.3
175	5.0 - 9.0% of mass 174	5.6 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	79.7 (96.8)1
177	5.0 - 9.0% of mass 176	6.5 (8.1)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXX9785	07/12/05	2237
02	HFF9H-CHK	HFF9H1AC	UXX9787	07/12/05	2327
03	HFF9H-CKDUP	HFF9H1AD	UXX9788	07/12/05	2352
04	HFF9H-BLK	HFF9H1AA	UXX9789	07/13/05	0016
05	MW-211	HEXEE1AA	UXX9800	07/13/05	0449
06	MW-F	HEXEG1AL	UXX9801	07/13/05	0514
07	MW-D	HEXEH1AL	UXX9802	07/13/05	0538
08	MW-405	HEXEL1AL	UXX9803	07/13/05	0603
09	MW-E2	HEXEN1AL	UXX9804	07/13/05	0628
10	MW-212	HEXEP1AL	UXX9805	07/13/05	0653
11	MW-E1	HEXER1AL	UXX9806	07/13/05	0718
12	MW-406	HEXET1AL	UXX9807	07/13/05	0742
13	TRIP	HEXEV1AA	UXX9808	07/13/05	0807
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G060137

Lab File ID: BFB178 BFB Injection Date: 06/22/05

Instrument ID: A3UX11 BFB Injection Time: 0945

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.0
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	85.9
175	5.0 - 9.0% of mass 174	6.0 (7.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	83.0 (96.6)1
177	5.0 - 9.0% of mass 176	5.5 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NG-IC	UXJ4771	06/22/05	1006
02	VSTD002	10NG-IC	UXJ4772	06/22/05	1028
03	VSTD005	25NG-IC	UXJ4773	06/22/05	1048
04	VSTD010	50NG-IC	UXJ4774	06/22/05	1110
05	VSTD040	200NG-IC	UXJ4776	06/22/05	1222
06	VSTD020	100NG-IC	UXJ4778	06/22/05	1306
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G060137

Lab File ID: BFB203 BFB Injection Date: 07/13/05

Instrument ID: A3UX11 BFB Injection Time: 0800

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	21.4	
75	30.0 - 60.0% of mass 95	52.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 100.0% of mass 95	75.7	
175	5.0 - 9.0% of mass 174	5.3	(7.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.6	(98.6)1
177	5.0 - 9.0% of mass 176	4.9	(6.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXJ5471	07/13/05	0906
02	HFC53-CHK	HFC531AC	UXJ5472	07/13/05	0927
03	HFC53-CKDUP	HFC531AD	UXJ5473	07/13/05	0947
04	HFC53-BLK	HFC531AA	UXJ5474	07/13/05	1009
05	MW-403	HEXEJ1AL	UXJ5498	07/13/05	1843
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G060137

Lab File ID (Standard): UXX9785 Date Analyzed: 07/12/05

Instrument ID: A3UX10 Time Analyzed: 2237

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2 AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	873860	7.65	1102240	4.99	501477	9.88
	UPPER LIMIT	1747720	8.15	2204480	5.49	1002954	10.38
	LOWER LIMIT	436930	7.15	551120	4.49	250739	9.38
	EPA SAMPLE NO.						
01	HFF9H-CHK	848577	7.64	1079885	4.99	480811	9.88
02	HFF9H-CKDUP	854607	7.65	1072570	4.99	468148	9.88
03	HFF9H-BLK	824622	7.64	1047015	4.99	441102	9.88
04	MW-211	746761	7.65	952957	4.99	402046	9.88
05	MW-F	745233	7.64	943606	4.99	382704	9.88
06	MW-D	733564	7.64	951675	4.99	382694	9.88
07	MW-405	741512	7.65	926227	4.99	383842	9.88
08	MW-E2	718139	7.65	908761	4.99	378601	9.88
09	MW-212	709613	7.65	904650	4.99	375312	9.88
10	MW-E1	697567	7.64	894594	4.99	372454	9.88
11	MW-406	701838	7.65	899580	4.99	365872	9.88
12	TRIP	699787	7.65	910655	4.99	367197	9.88
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G060137

Lab File ID (Standard): UXJ5471 Date Analyzed: 07/13/05

Instrument ID: A3UX11 Time Analyzed: 0906

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2(DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	1532115	7.64	945269	9.86	1686852	5.00
	UPPER LIMIT	3064230	8.14	1890538	10.36	3373704	5.50
	LOWER LIMIT	766058	7.14	472635	9.36	843426	4.50
	EPA SAMPLE NO.						
01	HFC53-CHK	1539481	7.64	912168	9.86	1655044	5.00
02	HFC53-CKDUP	1510143	7.64	894546	9.86	1644574	5.00
03	HFC53-BLK	1495939	7.64	854849	9.86	1631829	5.00
04	MW-403	1469827	7.64	843098	9.86	1570713	5.00
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

SEVERN TRENT STL

SAMPLE DATA

Matrix Environmental, Inc.

Client Sample ID: MW-211

GC/MS Volatiles

Lot-Sample #...: A5G060137-001 **Work Order #...:** HEXEE1AA **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	**1.1**	**1.0**	**ug/L**	**0.22**
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D
Report Date: 14-Jul-2005 08:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D
Lab Smp Id: HEXEE1AA Client Smp ID: MW-211
Inj Date : 13-JUL-2005 04:49
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXEE1AA,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 45
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.991	4.989	(1.000)	952957	50.0000	
* 2 Chlorobenzene-d5	117	7.653	7.652	(1.000)	746761	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.876	(1.000)	402046	50.0000	
$ 4 Dibromofluoromethane	113	4.435	4.433	(0.889)	193716	52.9540	10.591
$ 5 1,2-Dichloroethane-d4	65	4.707	4.705	(0.943)	218492	44.9246	8.985
$ 6 Toluene-d8	98	6.340	6.338	(0.828)	776831	48.3411	9.668
$ 7 Bromofluorobenzene	95	8.754	8.752	(1.144)	279227	46.3585	9.272
8 Dichlorodifluoromethane	85	1.476	1.475	(0.296)	7378	3.93046	0.7861
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D
Report Date: 14-Jul-2005 08:54

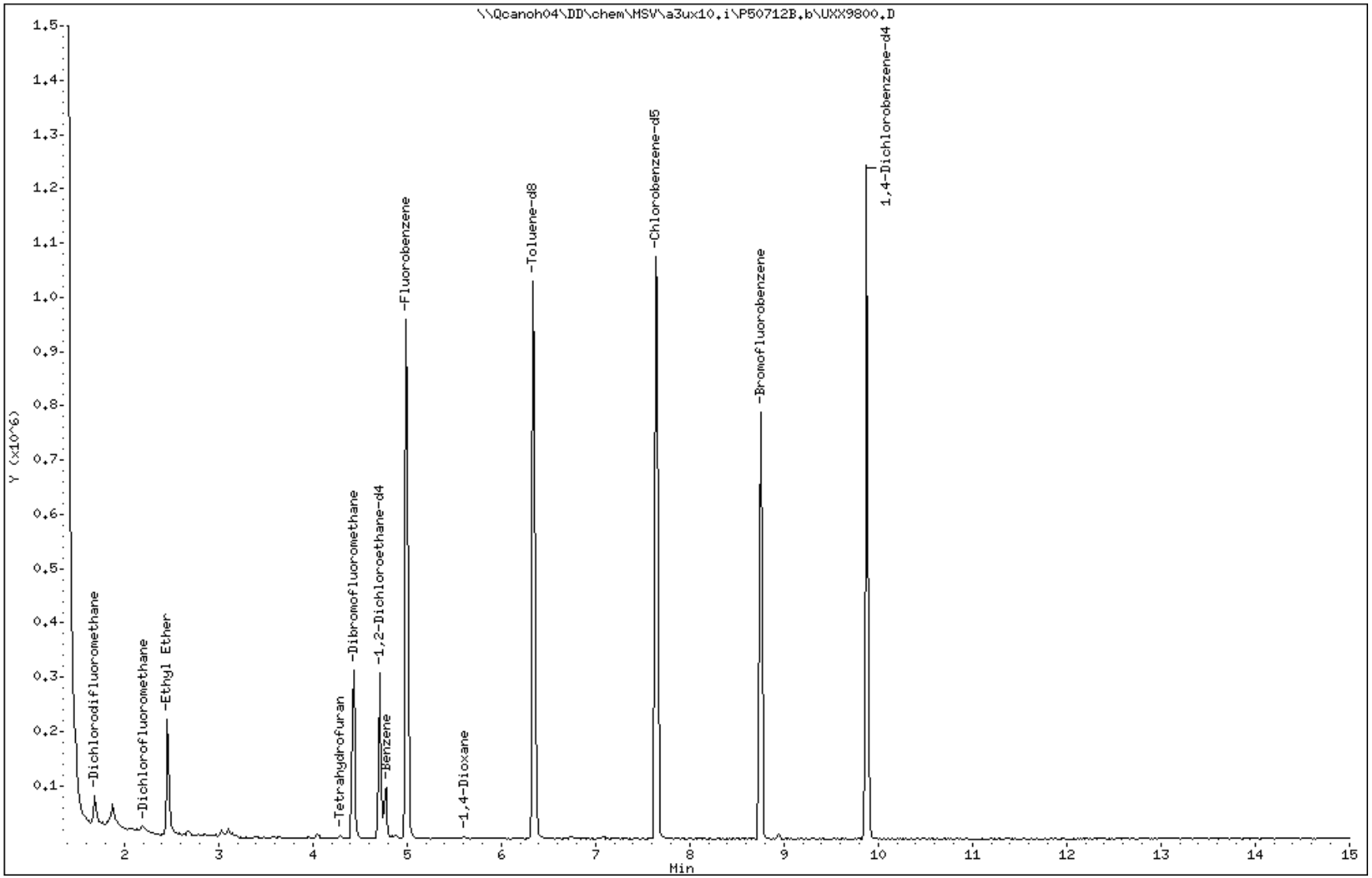
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.293	4.291	(0.860)	2880	2.04000	0.4080
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.778	4.776	(0.957)	94207	5.64856	1.130
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.606	5.605	(1.123)	4002	97.8792	19.576
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D
Report Date: 14-Jul-2005 08:54

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	2.198	2.198	(0.441)	15881	2.06850	0.4137
89 Ethyl Ether	59	2.459	2.458	(0.493)	137778	37.0552	7.411
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D
Date : 13-JUL-2005 04:49
Client ID: MW-211 Instrument: a3ux10.i
Sample Info: HEXEE1AA,5ML/5ML
Purge Volume: 5.0 Operator: 1904
Column phase: DB624 Column diameter: 0.18



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D

Date : 13-JUL-2005 04:49

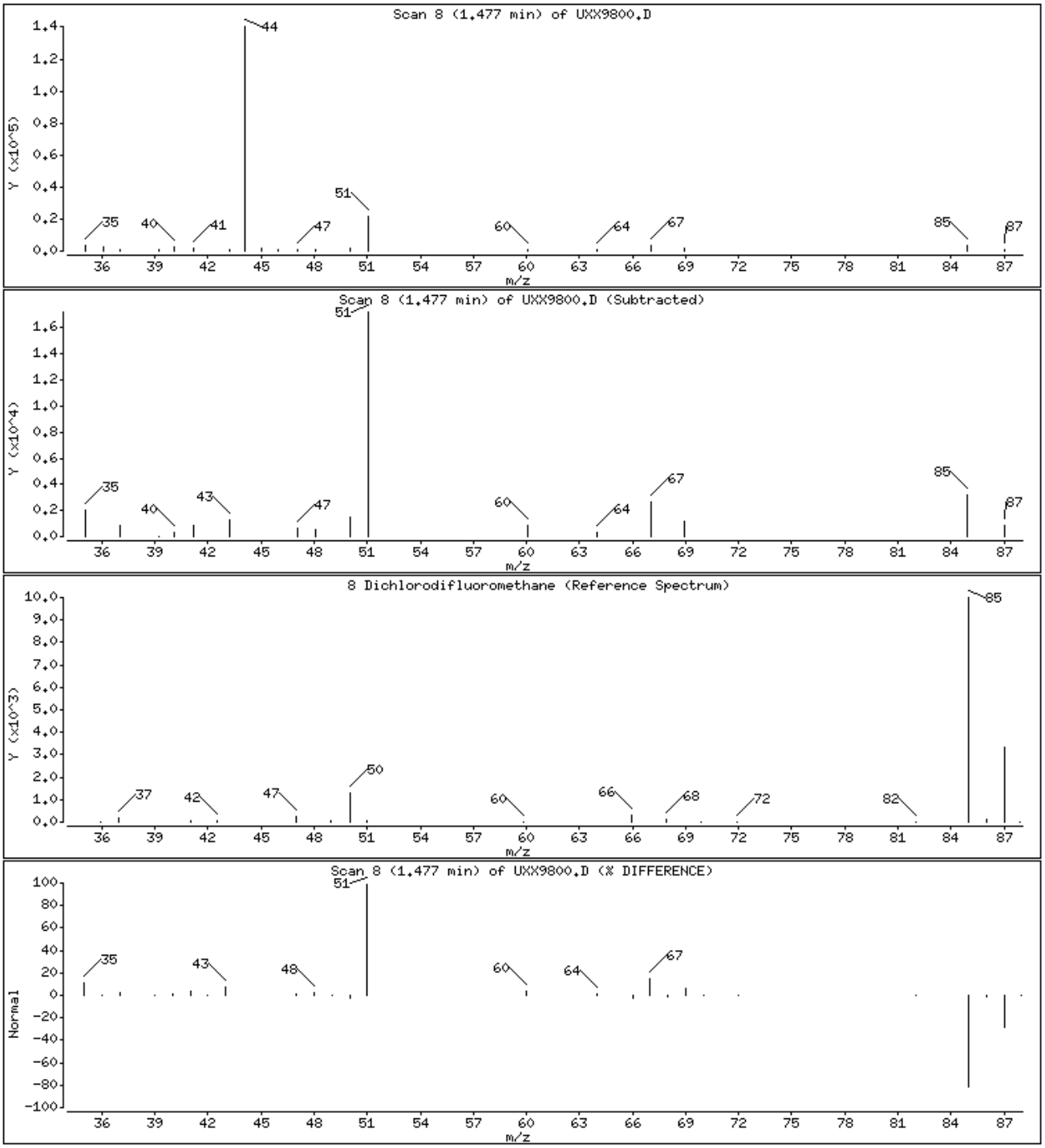
Client ID: MW-211 Instrument: a3ux10.i

Sample Info: HEXEE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

8 Dichlorodifluoromethane Concentration: 0.7861 ug/L



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D

Date : 13-JUL-2005 04:49

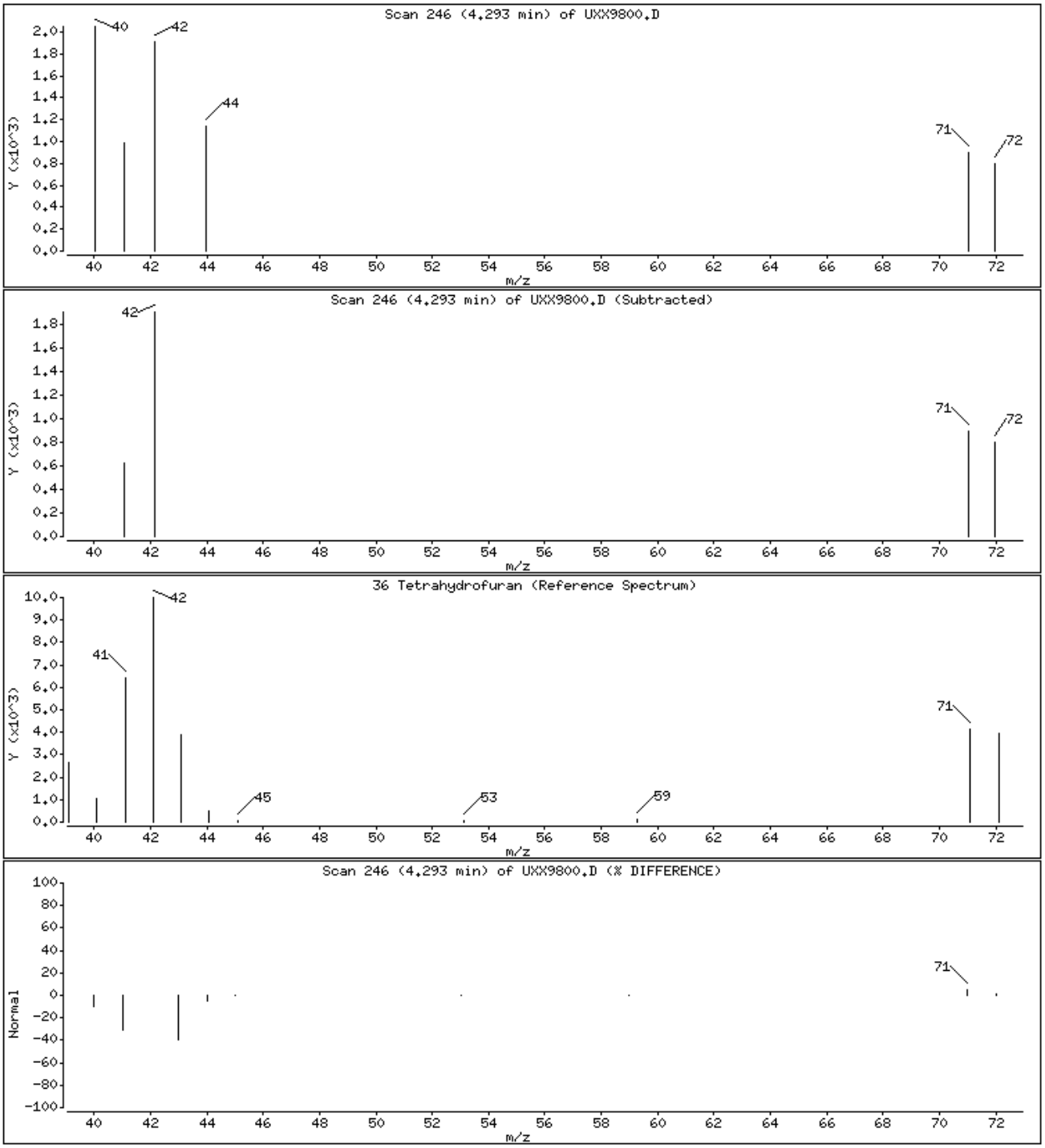
Client ID: MW-211 Instrument: a3ux10.i

Sample Info: HEXEE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 0.4080 ug/L



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D

Date : 13-JUL-2005 04:49

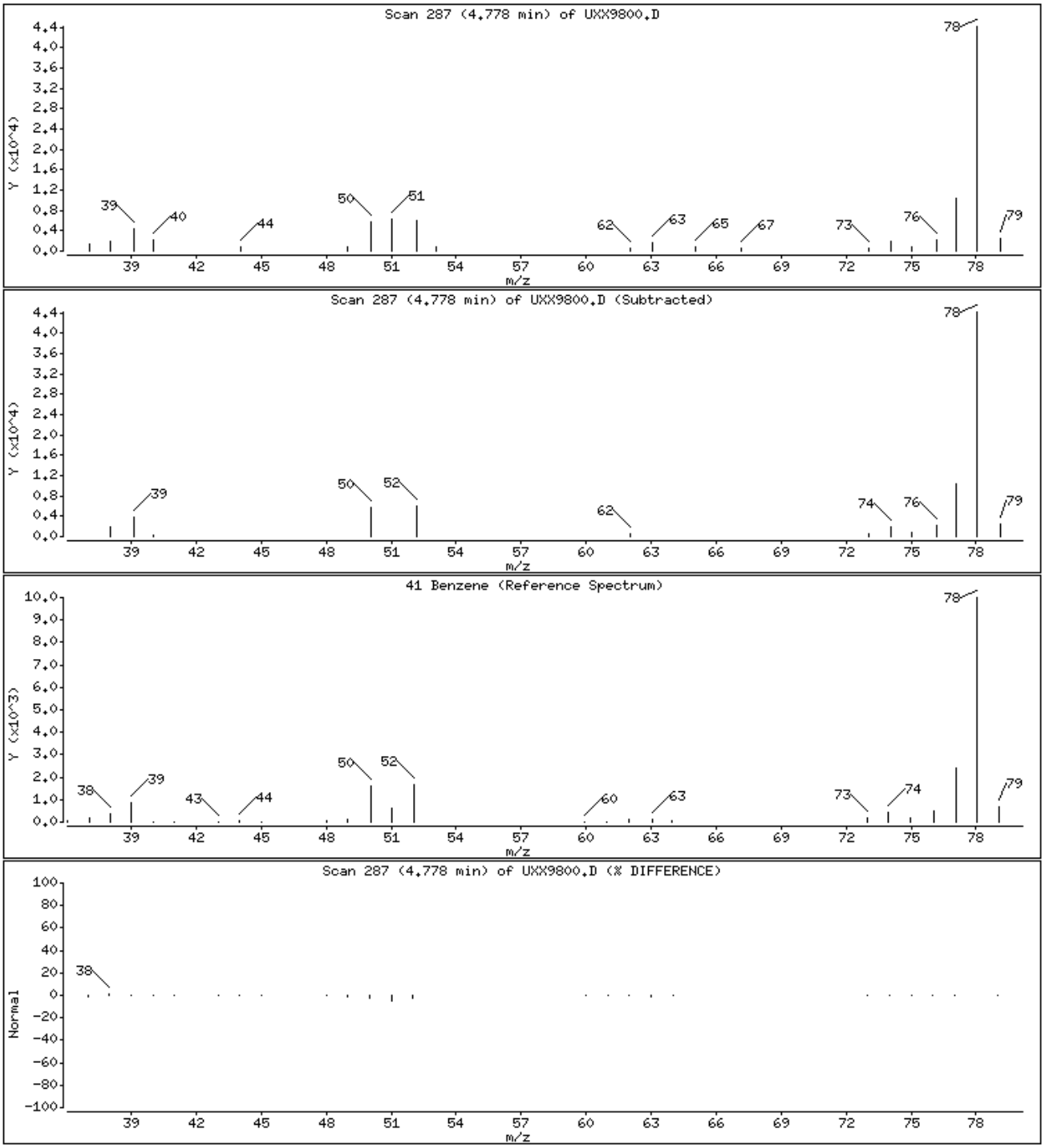
Client ID: MW-211 Instrument: a3ux10.i

Sample Info: HEXEE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 1.130 ug/L



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D

Date : 13-JUL-2005 04:49

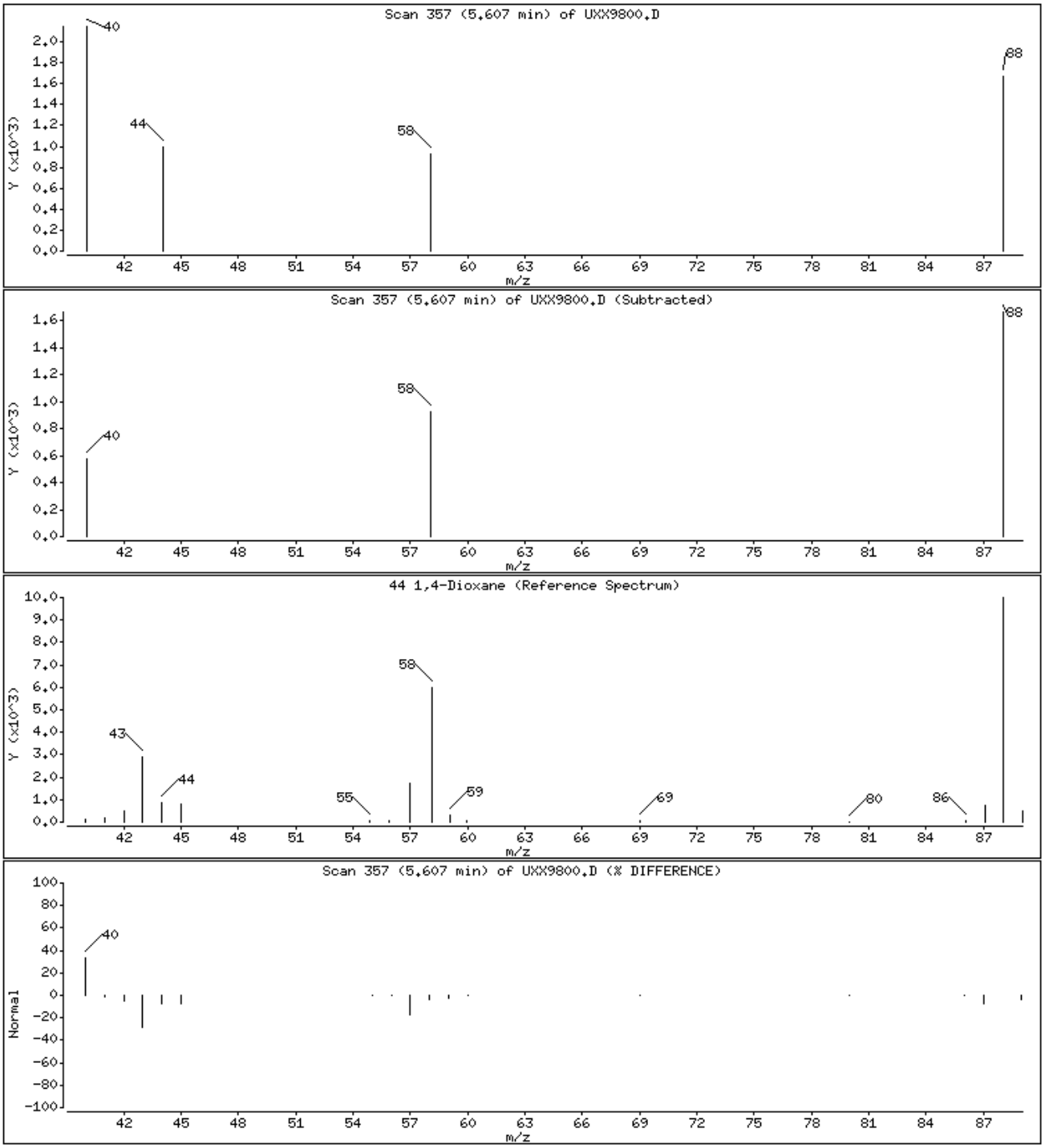
Client ID: MW-211 Instrument: a3ux10.i

Sample Info: HEXEE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 19.576 ug/L



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D

Date : 13-JUL-2005 04:49

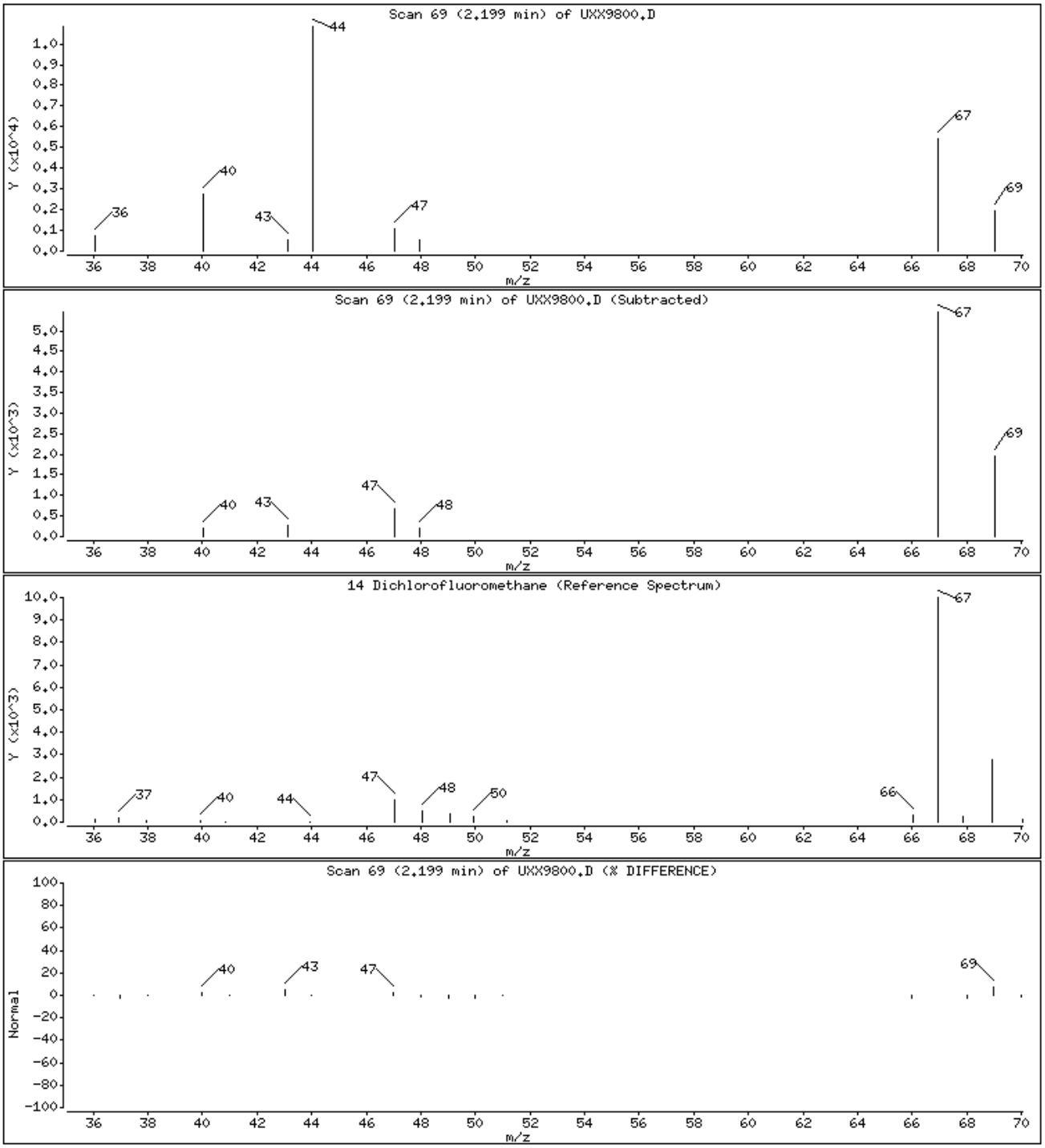
Client ID: MW-211 Instrument: a3ux10.i

Sample Info: HEXEE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

14 Dichlorofluoromethane Concentration: 0.4137 ug/L



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9800.D

Date : 13-JUL-2005 04:49

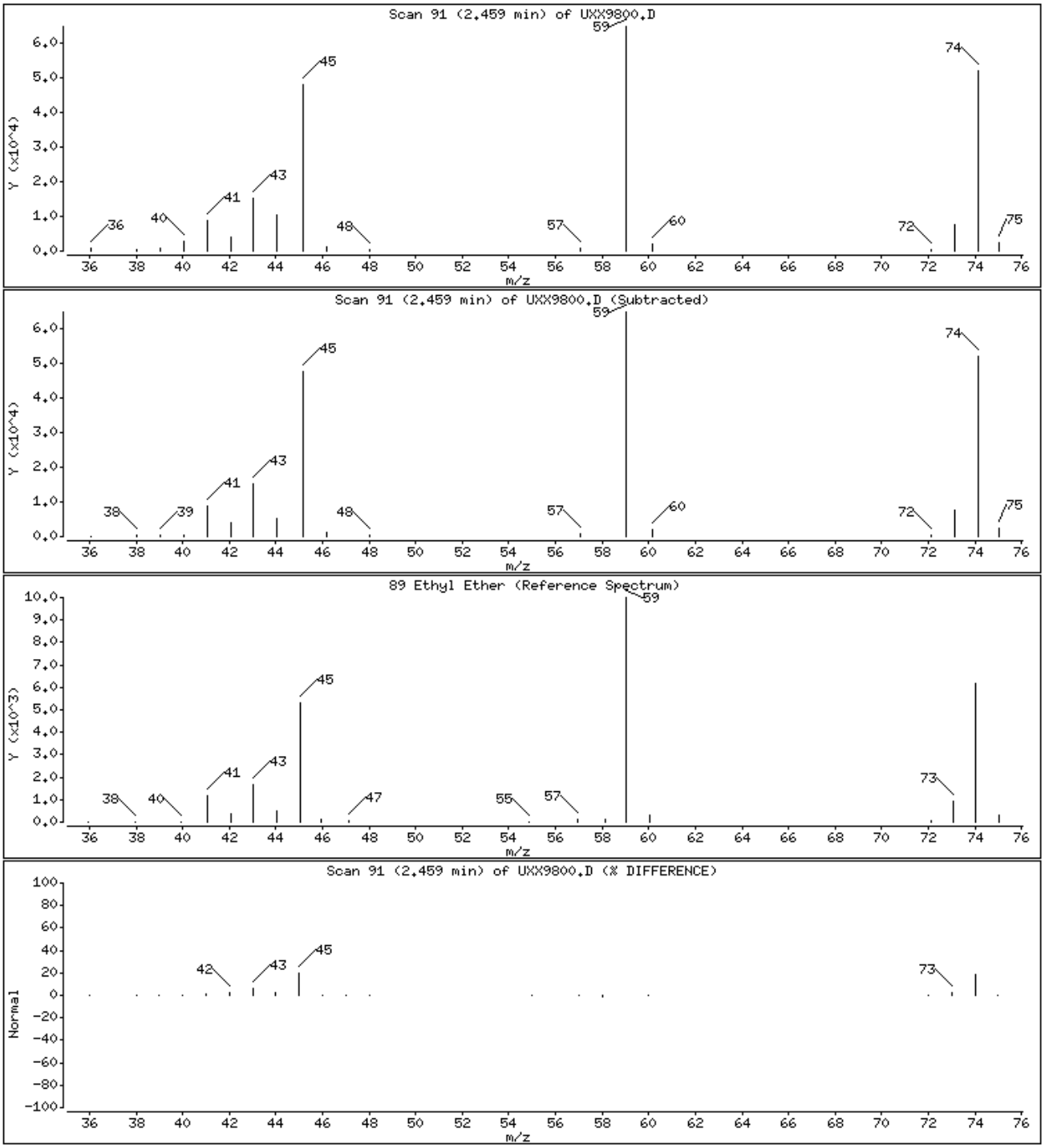
Client ID: MW-211 Instrument: a3ux10.i

Sample Info: HEXEE1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 7.411 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-F

GC/MS Volatiles

Lot-Sample #...: A5G060137-002 **Work Order #...:** HEXEG1AL **Matrix.....:** WG
Date Sampled...: 07/05/05 15:30 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9801.D
Report Date: 14-Jul-2005 08:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9801.D
Lab Smp Id: HEXEG1AL Client Smp ID: MW-F
Inj Date : 13-JUL-2005 05:14
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXEG1AL,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 46
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.992	4.989	(1.000)	943606	50.0000	
* 2 Chlorobenzene-d5	117	7.643	7.652	(1.000)	745233	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.879	9.876	(1.000)	382704	50.0000	
$ 4 Dibromofluoromethane	113	4.436	4.433	(0.889)	195047	53.8462	10.769
$ 5 1,2-Dichloroethane-d4	65	4.708	4.705	(0.943)	220654	45.8187	9.164
$ 6 Toluene-d8	98	6.341	6.338	(0.830)	765959	47.7623	9.552
$ 7 Bromofluorobenzene	95	8.755	8.752	(1.146)	274150	45.6080	9.122
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9801.D
Report Date: 14-Jul-2005 08:54

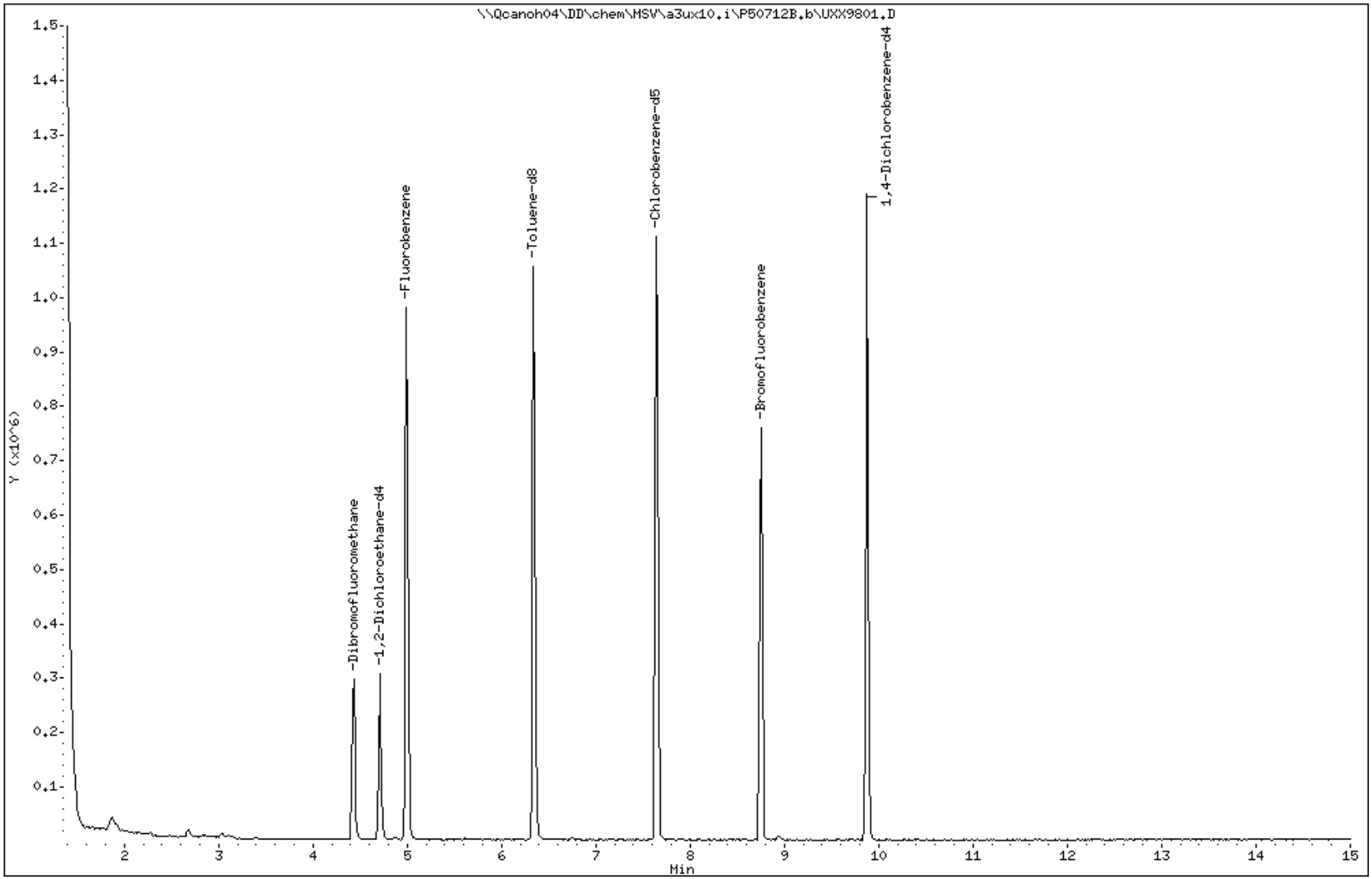
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9801.D
Report Date: 14-Jul-2005 08:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9801.D
Date : 13-JUL-2005 05:14
Client ID: MW-F
Instrument: a3ux10.i
Sample Info: HEXEG1AL,5ML/5ML
Purge Volume: 5.0
Operator: 1904
Column phase: DB624
Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-D

GC/MS Volatiles

Lot-Sample #...: A5G060137-003 **Work Order #...:** HEXEH1AL **Matrix.....:** WG
Date Sampled...: 07/05/05 14:20 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9802.D
Report Date: 14-Jul-2005 08:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9802.D
Lab Smp Id: HEXEH1AL Client Smp ID: MW-D
Inj Date : 13-JUL-2005 05:38
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXEH1AL,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.992	4.989	(1.000)	951675	50.0000	
* 2	Chlorobenzene-d5	117	7.642	7.652	(1.000)	733564	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.879	9.876	(1.000)	382694	50.0000	
$ 4	Dibromofluoromethane	113	4.436	4.433	(0.889)	187221	51.2475	10.249
$ 5	1,2-Dichloroethane-d4	65	4.708	4.705	(0.943)	217218	44.7228	8.944
$ 6	Toluene-d8	98	6.341	6.338	(0.830)	758218	48.0316	9.606
$ 7	Bromofluorobenzene	95	8.755	8.752	(1.146)	277438	46.8909	9.378
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	96	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

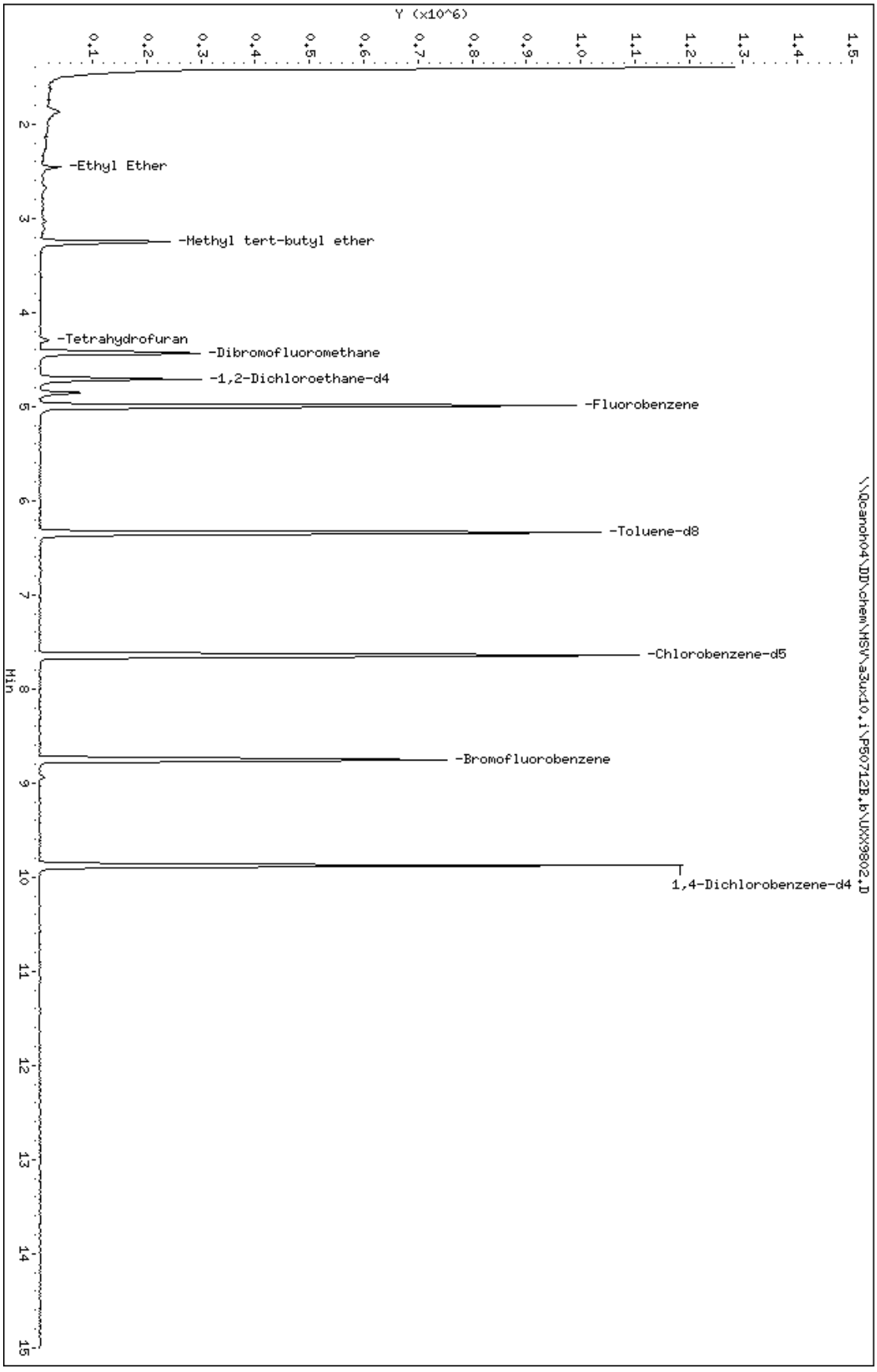
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9802.D
Report Date: 14-Jul-2005 08:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
24	Methyl tert-butyl ether	73	3.252	3.250	(0.652)	239943	20.9945	4.199
25	trans-1,2-Dichloroethene	96	Compound Not Detected.					
26	Hexane	86	Compound Not Detected.					
27	Vinyl acetate	43	Compound Not Detected.					
28	1,1-Dichloroethane	63	Compound Not Detected.					
29	tert-Butyl Alcohol	59	Compound Not Detected.					
30	2-Butanone	43	Compound Not Detected.					
M 31	1,2-Dichloroethene (total)	96	Compound Not Detected.					
32	cis-1,2-dichloroethene	96	Compound Not Detected.					
33	2,2-Dichloropropane	77	Compound Not Detected.					
34	Bromochloromethane	128	Compound Not Detected.					
35	Chloroform	83	Compound Not Detected.					
36	Tetrahydrofuran	42	4.294	4.291	(0.860)	11483	8.14477	1.629
37	1,1,1-Trichloroethane	97	Compound Not Detected.					
38	1,1-Dichloropropene	75	Compound Not Detected.					
39	Carbon Tetrachloride	117	Compound Not Detected.					
40	1,2-Dichloroethane	62	Compound Not Detected.					
41	Benzene	78	Compound Not Detected.					
42	Trichloroethene	130	Compound Not Detected.					
43	1,2-Dichloropropane	63	Compound Not Detected.					
44	1,4-Dioxane	88	Compound Not Detected.					
45	Dibromomethane	93	Compound Not Detected.					
46	Bromodichloromethane	83	Compound Not Detected.					
47	2-Chloroethyl vinyl ether	63	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	Compound Not Detected.					
49	4-Methyl-2-pentanone	43	Compound Not Detected.					
50	Toluene	91	Compound Not Detected.					
51	trans-1,3-Dichloropropene	75	Compound Not Detected.					
52	Ethyl Methacrylate	69	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	Compound Not Detected.					
54	1,3-Dichloropropane	76	Compound Not Detected.					
55	Tetrachloroethene	164	Compound Not Detected.					
56	2-Hexanone	43	Compound Not Detected.					
57	Dibromochloromethane	129	Compound Not Detected.					
58	1,2-Dibromoethane	107	Compound Not Detected.					
59	Chlorobenzene	112	Compound Not Detected.					
60	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61	Ethylbenzene	106	Compound Not Detected.					
62	m + p-Xylene	106	Compound Not Detected.					
M 63	Xylenes (total)	106	Compound Not Detected.					
64	Xylene-o	106	Compound Not Detected.					
65	Styrene	104	Compound Not Detected.					
66	Bromoform	173	Compound Not Detected.					
67	Isopropylbenzene	105	Compound Not Detected.					
68	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
69	1,4-Dichloro-2-butene	53	Compound Not Detected.					
70	1,2,3-Trichloropropane	110	Compound Not Detected.					
71	Bromobenzene	156	Compound Not Detected.					
72	n-Propylbenzene	120	Compound Not Detected.					
73	2-Chlorotoluene	126	Compound Not Detected.					
74	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75	4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9802.D
Report Date: 14-Jul-2005 08:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	2.460	2.458	(0.493)	18976	5.11044	1.022
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					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Date : 13-JUL-2005 05:38
Client ID: MW-D
Sample Info: HEXEH1AL,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Ethyl Ether
-Methyl tert-butyl ether
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\Qcanoh04\DD\chem\MSV\a3ux10.i\P507I2B.b\UXX9802.D
Min

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9802.D

Date : 13-JUL-2005 05:38

Client ID: MW-D

Instrument: a3ux10.i

Sample Info: HEXEH1AL,5ML/5ML

Purge Volume: 5.0

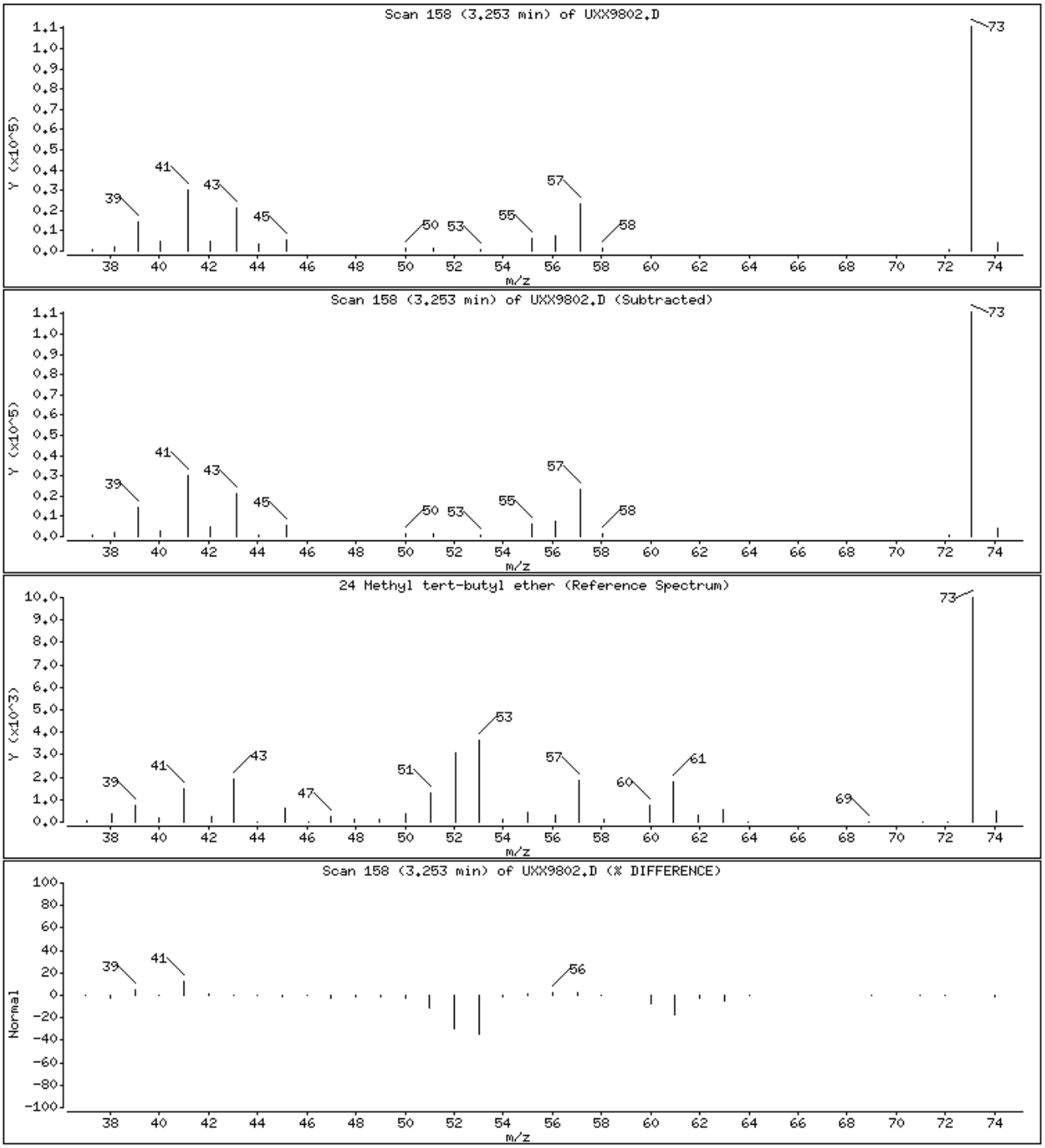
Operator: 1904

Column phase: DB624

Column diameter: 0.18

24 Methyl tert-butyl ether

Concentration: 4.199 ug/L



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Date : 13-JUL-2005 05:38

Client ID: MW-D

Instrument: a3ux10.i

Sample Info: HEXEH1AL,5ML/5ML

Purge Volume: 5.0

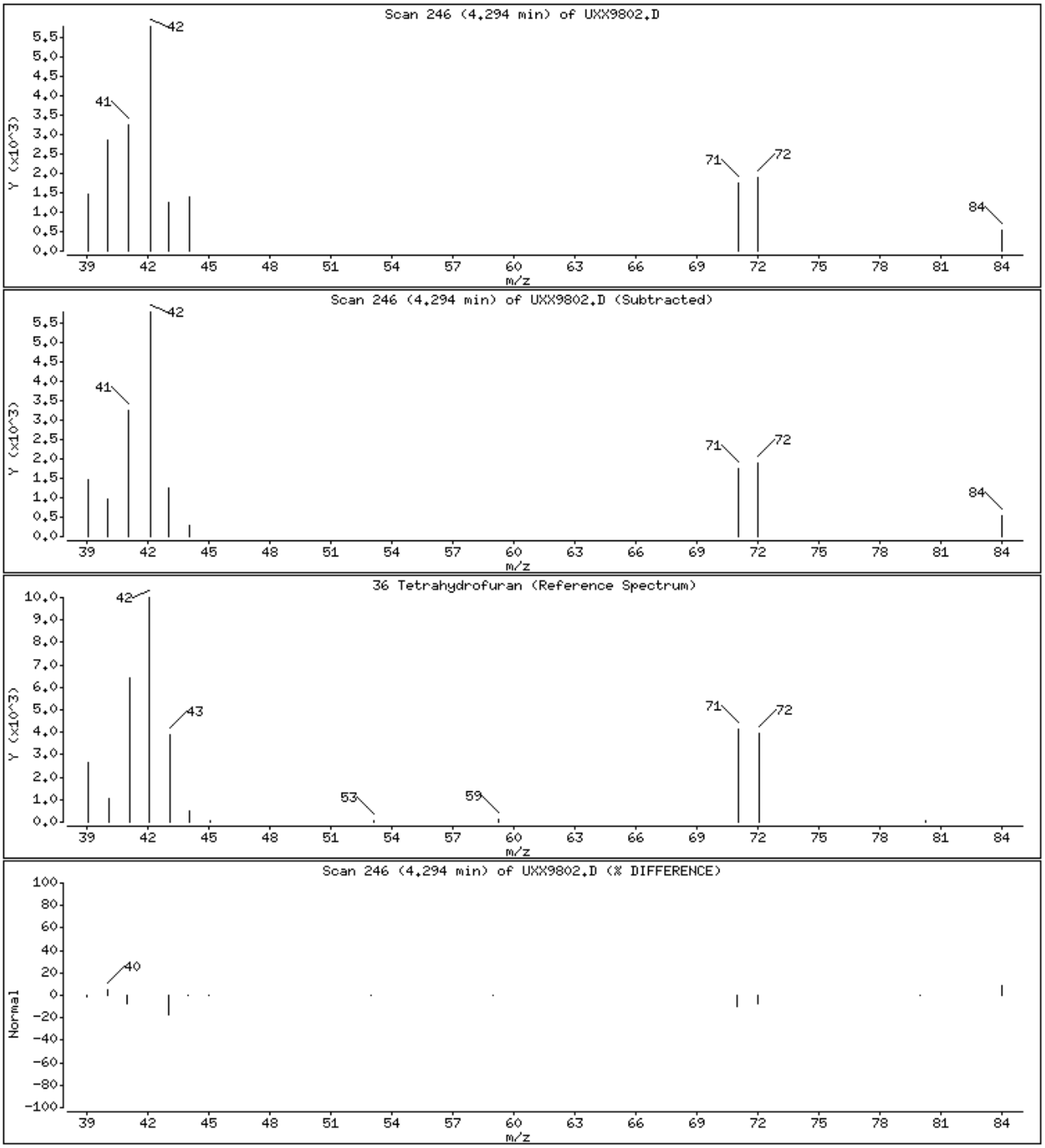
Operator: 1904

Column phase: DB624

Column diameter: 0.18

36 Tetrahydrofuran

Concentration: 1.629 ug/L



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9802.D

Date : 13-JUL-2005 05:38

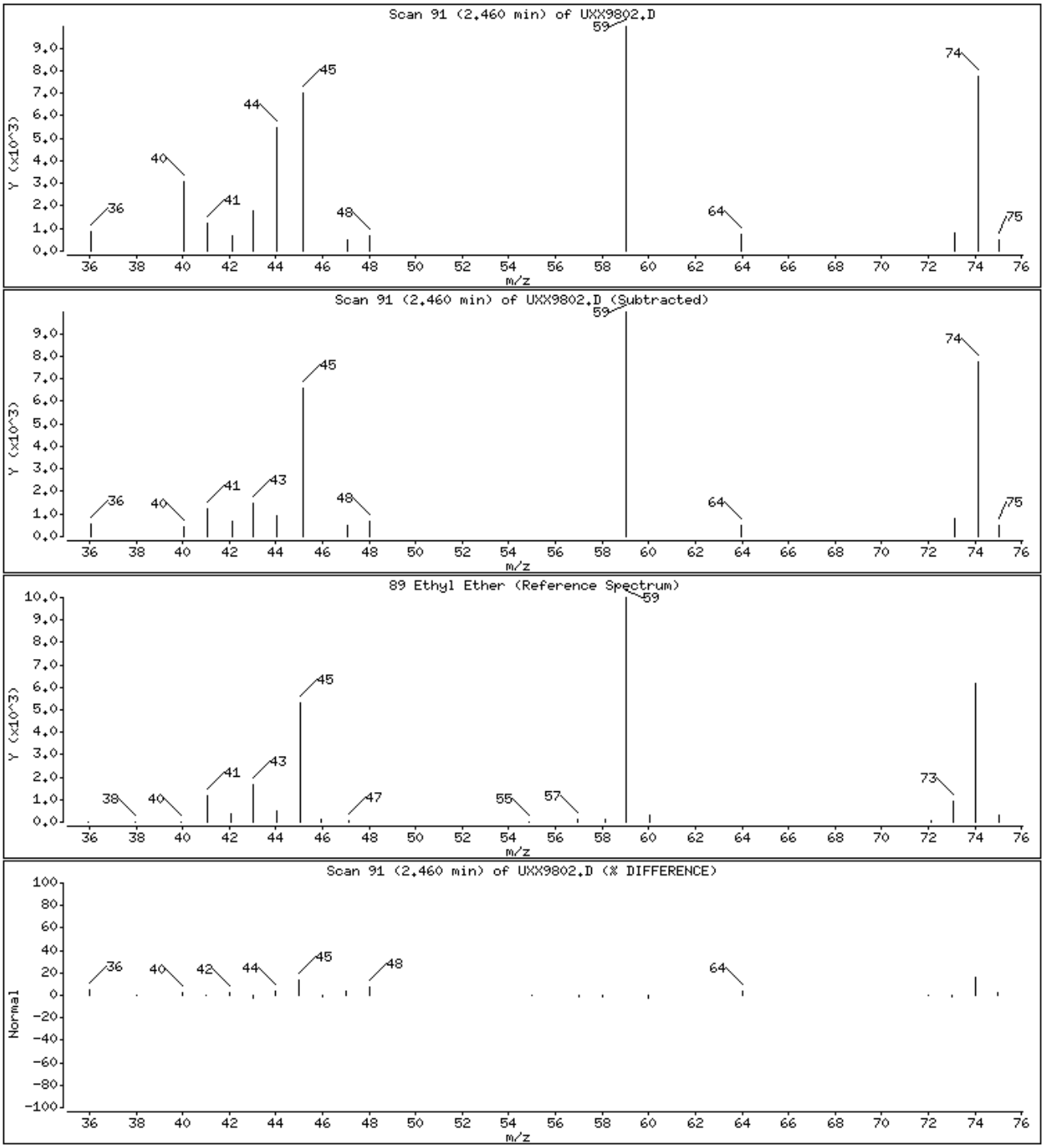
Client ID: MW-D | Instrument: a3ux10.i

Sample Info: HEXEH1AL,5ML/5ML

Purge Volume: 5.0 | Operator: 1904

Column phase: DB624 | Column diameter: 0.18

89 Ethyl Ether | Concentration: 1.022 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-403

GC/MS Volatiles

Lot-Sample #...: A5G060137-004 **Work Order #...:** HEXEJ1AL **Matrix.....:** WG
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5194241
Dilution Factor: 10 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	100	ug/L	7.4
Benzene	ND	10	ug/L	2.2
Bromodichloromethane	ND	10	ug/L	1.4
2-Butanone	ND	100	ug/L	3.9
Chlorobenzene	ND	10	ug/L	2.0
Chloroethane	ND	10	ug/L	2.4
Chloroform	ND	10	ug/L	1.6
1,2-Dichlorobenzene	ND	10	ug/L	2.0
1,3-Dichlorobenzene	ND	10	ug/L	1.8
1,4-Dichlorobenzene	ND	10	ug/L	2.2
1,2-Dichloroethane	ND	10	ug/L	1.6
1,2-Dichloroethene (total)	ND	10	ug/L	3.5
Ethylbenzene	ND	10	ug/L	1.9
Methylene chloride	ND	10	ug/L	1.9
4-Methyl-2-pentanone	ND	100	ug/L	3.2
Styrene	ND	10	ug/L	1.3
1,1,2,2-Tetrachloroethane	ND	10	ug/L	2.2
Tetrachloroethene	ND	10	ug/L	1.9
Toluene	**310**	**10**	**ug/L**	**1.7**
Trichloroethene	ND	10	ug/L	2.8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L	2.6
Vinyl chloride	ND	10	ug/L	2.1
Xylenes (total)	ND	10	ug/L	4.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5498.D
Report Date: 14-Jul-2005 10:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5498.D
Lab Smp Id: HEXEJ1AL Client Smp ID: MW-403
Inj Date : 13-JUL-2005 18:43
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEXEJ1AL,0.5ML/5ML
Misc Info : J50713A,8260LLUX11,,43582
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m
Meth Date : 13-Jul-2005 09:46 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.50000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.996	(1.000)	1570713	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1469827	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	843098	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.428	(0.889)	353453	47.5769	95.154
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	516270	52.3407	104.68
$ 6 Toluene-d8	98	6.334	6.333	(0.830)	1580129	48.8773	97.755
$ 7 Bromofluorobenzene	95	8.736	8.736	(1.144)	794945	50.0678	100.14
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5498.D
Report Date: 14-Jul-2005 10:24

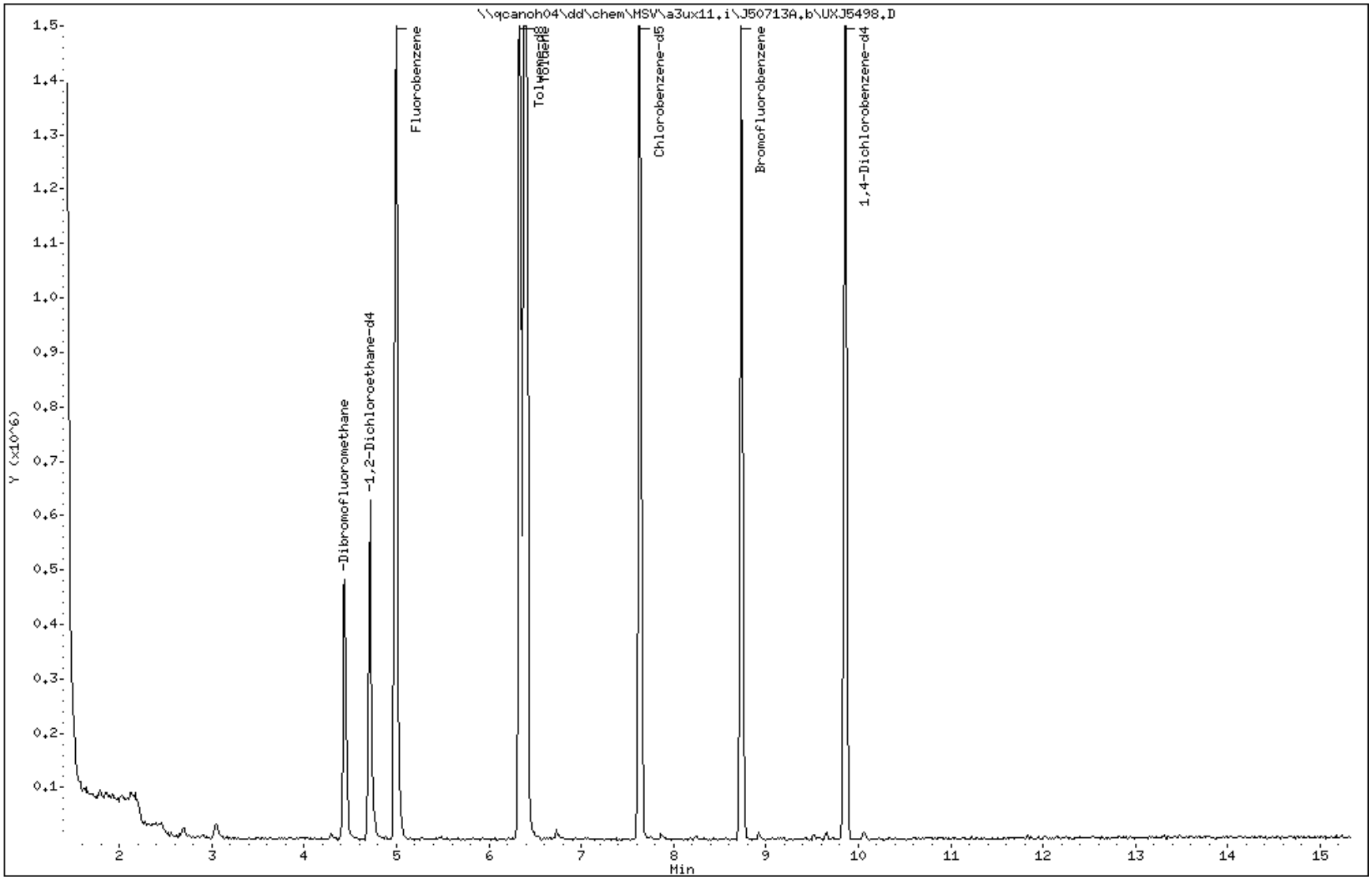
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.393	6.393	(0.837)	5912937	153.320	306.64
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5498.D
Report Date: 14-Jul-2005 10:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5498.D
Date : 13-JUL-2005 18:43
Client ID: MW-403
Instrument: a3ux11.i
Sample Info: HEXEJ1AL,0.5ML/5ML
Purge Volume: 0.5
Operator: 43582
Column phase: DB624
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5498.D

Date : 13-JUL-2005 18:43

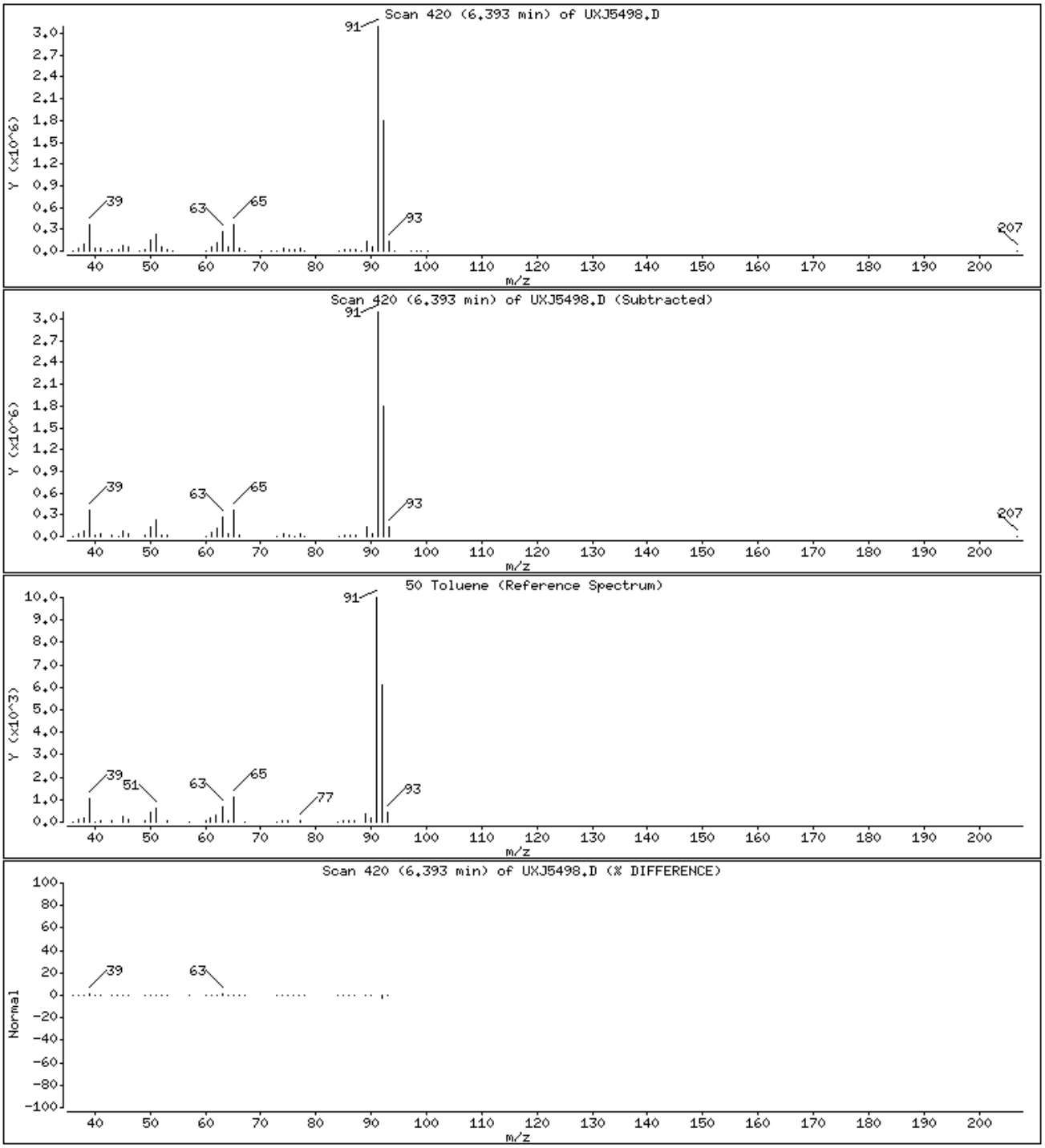
Client ID: MW-403 Instrument: a3ux11.i

Sample Info: HEXEJ1AL,0.5ML/5ML

Purge Volume: 0.5 Operator: 43582

Column phase: DB624 Column diameter: 0.18

50 Toluene Concentration: 306.64 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-405

GC/MS Volatiles

Lot-Sample #...: A5G060137-005 **Work Order #...:** HEXEL1AL **Matrix.....:** WG
Date Sampled...: 07/05/05 15:04 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9803.D
Report Date: 14-Jul-2005 08:55

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9803.D
Lab Smp Id: HEXEL1AL Client Smp ID: MW-405
Inj Date : 13-JUL-2005 06:03
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXEL1AL,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.989	4.989	(1.000)	926227	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	741512	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.876	(1.000)	383842	50.0000	
$ 4 Dibromofluoromethane	113	4.433	4.433	(0.889)	192893	54.2507	10.850
$ 5 1,2-Dichloroethane-d4	65	4.705	4.705	(0.943)	209592	44.3383	8.868
$ 6 Toluene-d8	98	6.338	6.338	(0.828)	747757	46.8612	9.372
$ 7 Bromofluorobenzene	95	8.752	8.752	(1.144)	267682	44.7544	8.951
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9803.D
Report Date: 14-Jul-2005 08:55

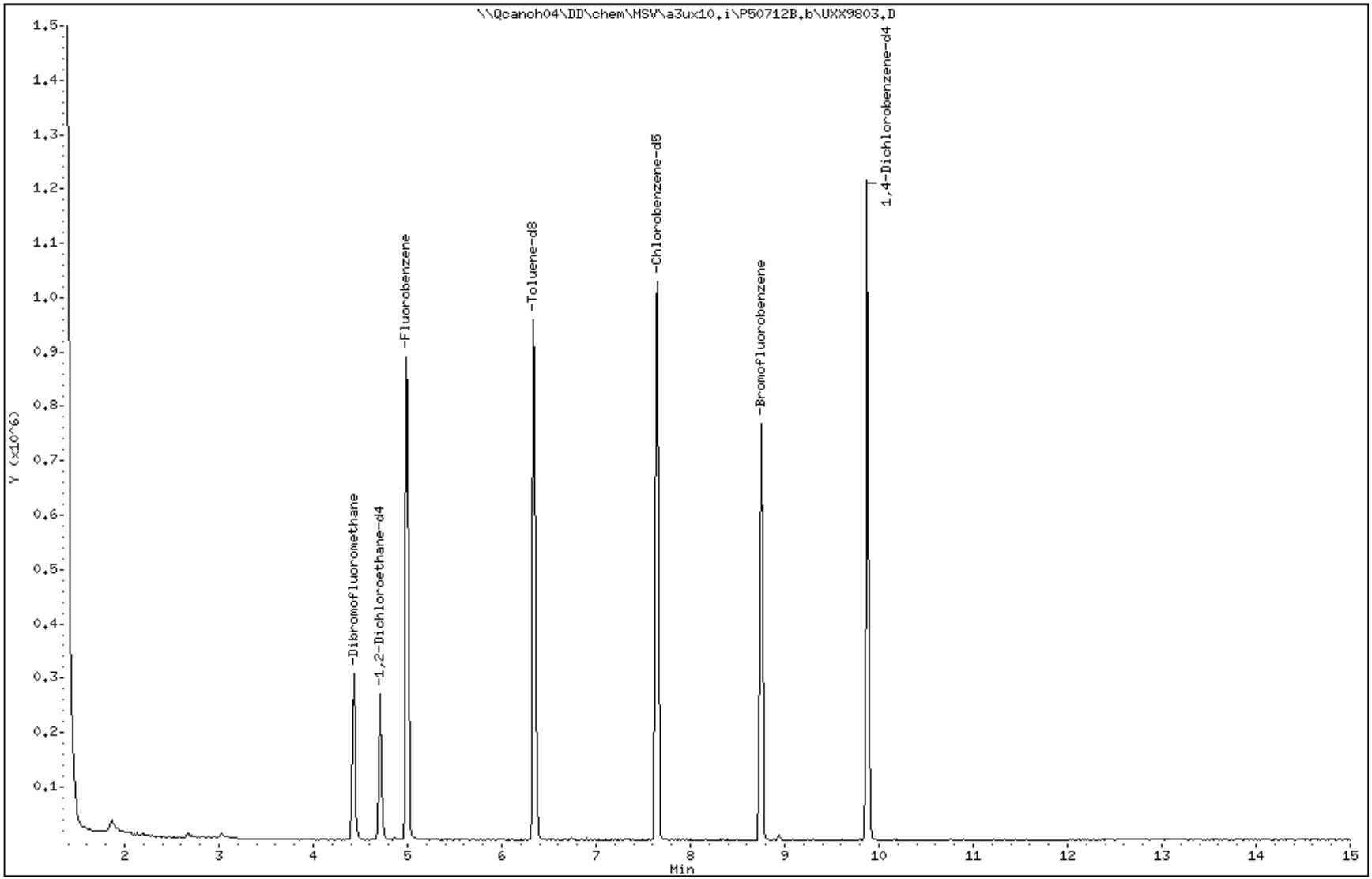
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9803.D
Report Date: 14-Jul-2005 08:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9803.D
Date : 13-JUL-2005 06:03
Client ID: MW-405 Instrument: a3ux10.i
Sample Info: HEXEL1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1904
Column phase: DB624 Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-E2

GC/MS Volatiles

Lot-Sample #...: A5G060137-006 **Work Order #...:** HEXEN1AL **Matrix.....:** WG
Date Sampled...: 07/05/05 14:07 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	94	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9804.D
Report Date: 14-Jul-2005 08:55

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9804.D
Lab Smp Id: HEXEN1AL Client Smp ID: MW-E2
Inj Date : 13-JUL-2005 06:28
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXEN1AL,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.991	4.989	(1.000)	908761	50.0000	
* 2	Chlorobenzene-d5	117	7.653	7.652	(1.000)	718139	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.877	9.876	(1.000)	378601	50.0000	
$ 4	Dibromofluoromethane	113	4.434	4.433	(0.889)	192774	55.2593	11.052
$ 5	1,2-Dichloroethane-d4	65	4.707	4.705	(0.943)	218469	47.1044	9.421
$ 6	Toluene-d8	98	6.339	6.338	(0.828)	746793	48.3240	9.665
$ 7	Bromofluorobenzene	95	8.753	8.752	(1.144)	265439	45.8251	9.165
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	96	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

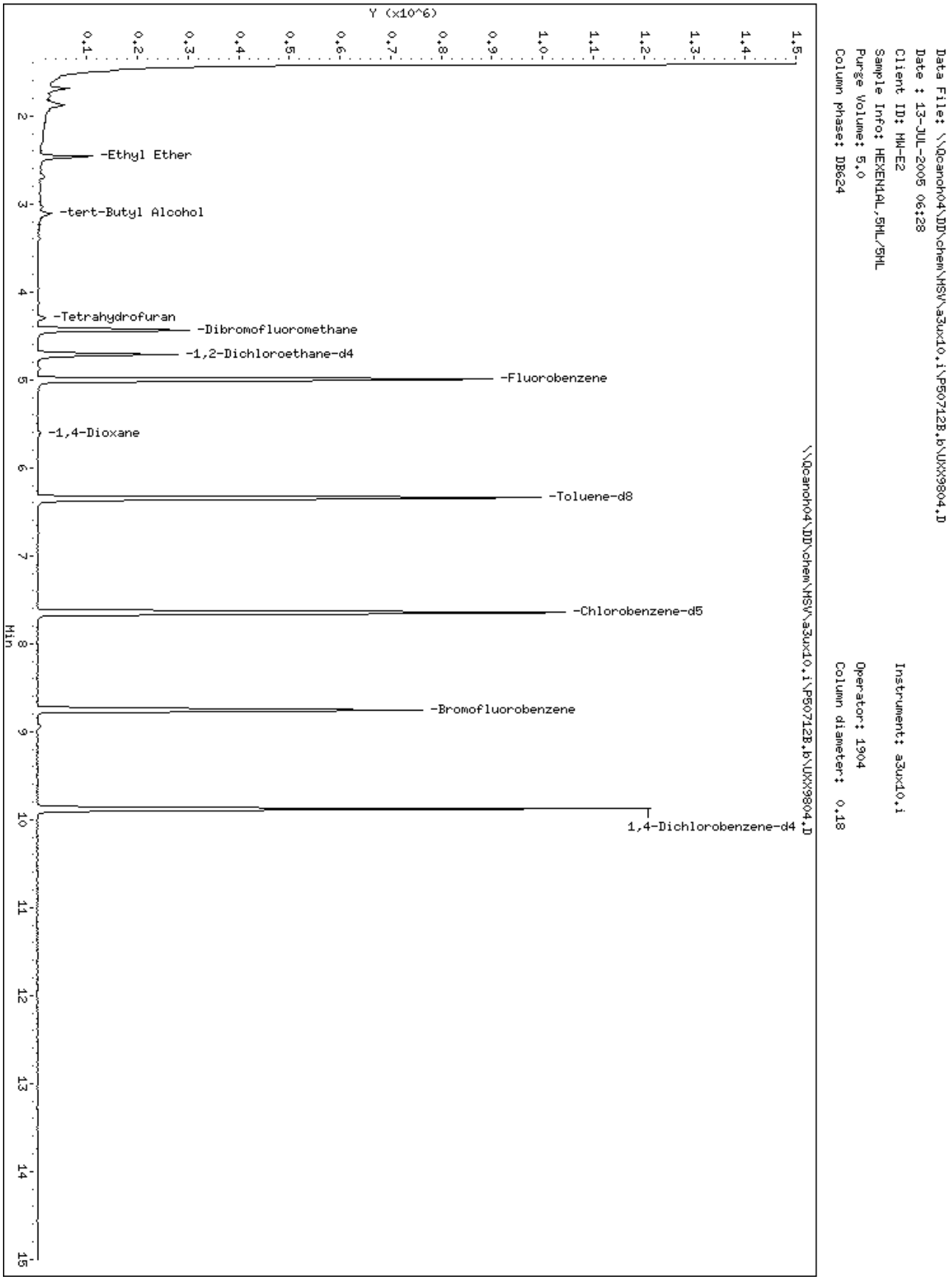
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9804.D
Report Date: 14-Jul-2005 08:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	3.109	3.108	(0.623)	33141	67.4438	13.489
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.292	4.291	(0.860)	11570	8.59401	1.719
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.606	5.605	(1.123)	6211	159.294	31.859
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9804.D
Report Date: 14-Jul-2005 08:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	2.458	2.458	(0.493)	70527	19.8906	3.978
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					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Date : 13-JUL-2005 06:28
Client ID: MW-E2
Sample Info: HEXEN1AL,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Ethyl Ether
-tert-Butyl Alcohol
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,4-Dioxane
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\Qcanoh04\DD\chem\MSV\a3ux10.i\P507128.b\UXX9804.D
Min

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9804.D

Date : 13-JUL-2005 06:28

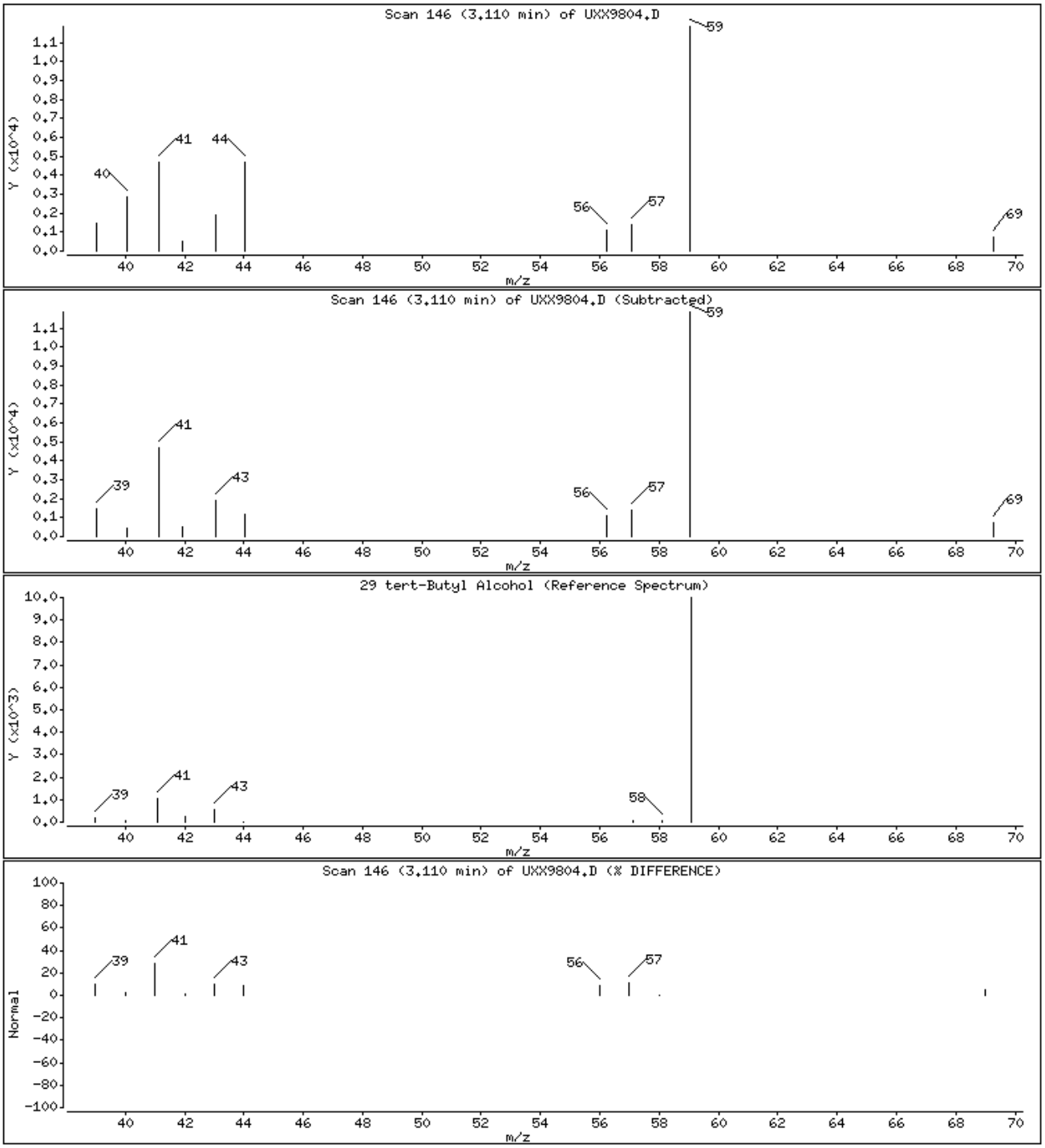
Client ID: MW-E2 Instrument: a3ux10.i

Sample Info: HEXEN1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 13.489 ug/L



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9804.D

Date : 13-JUL-2005 06:28

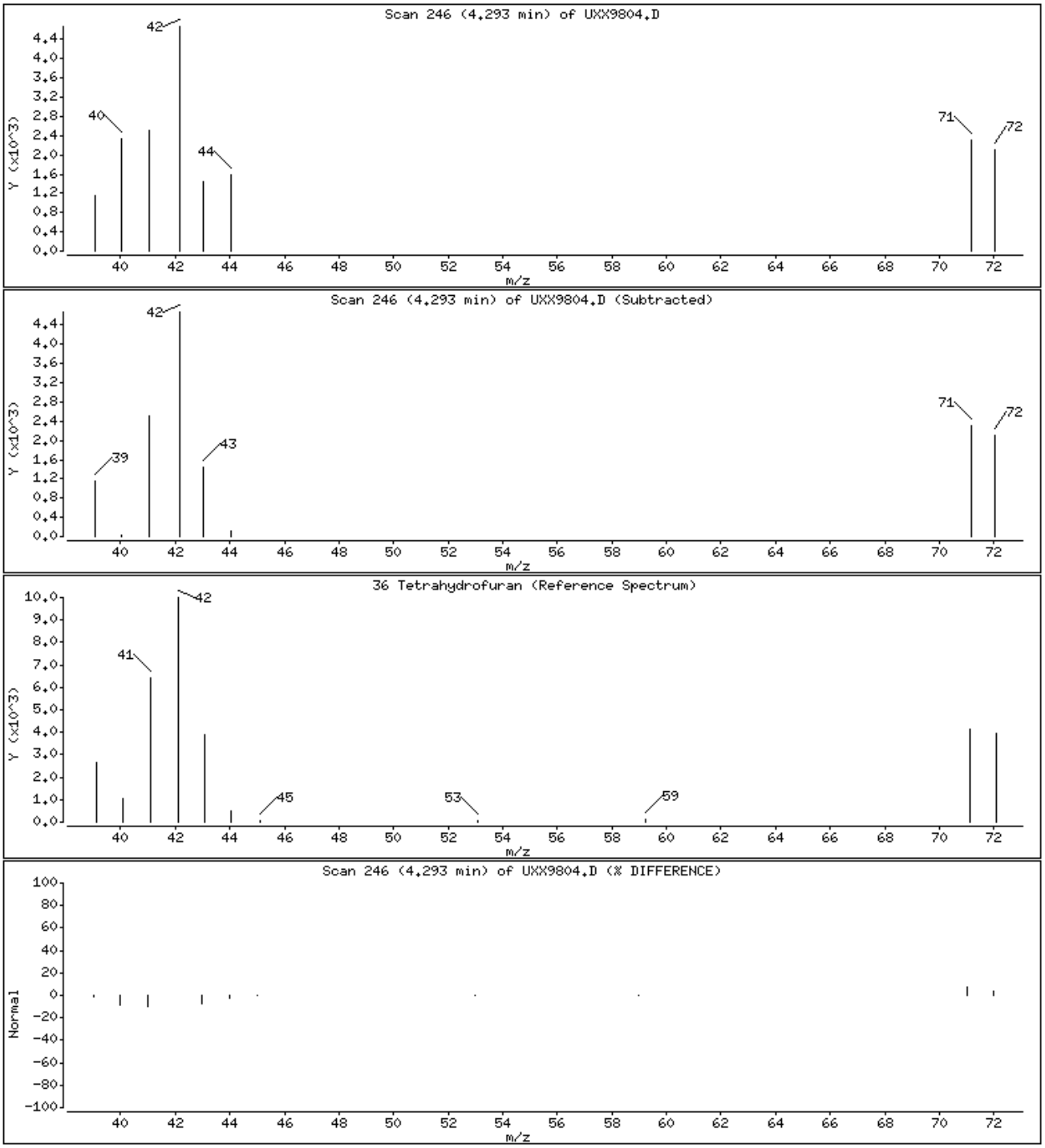
Client ID: MW-E2 Instrument: a3ux10.i

Sample Info: HEXEN1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.719 ug/L



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Date : 13-JUL-2005 06:28

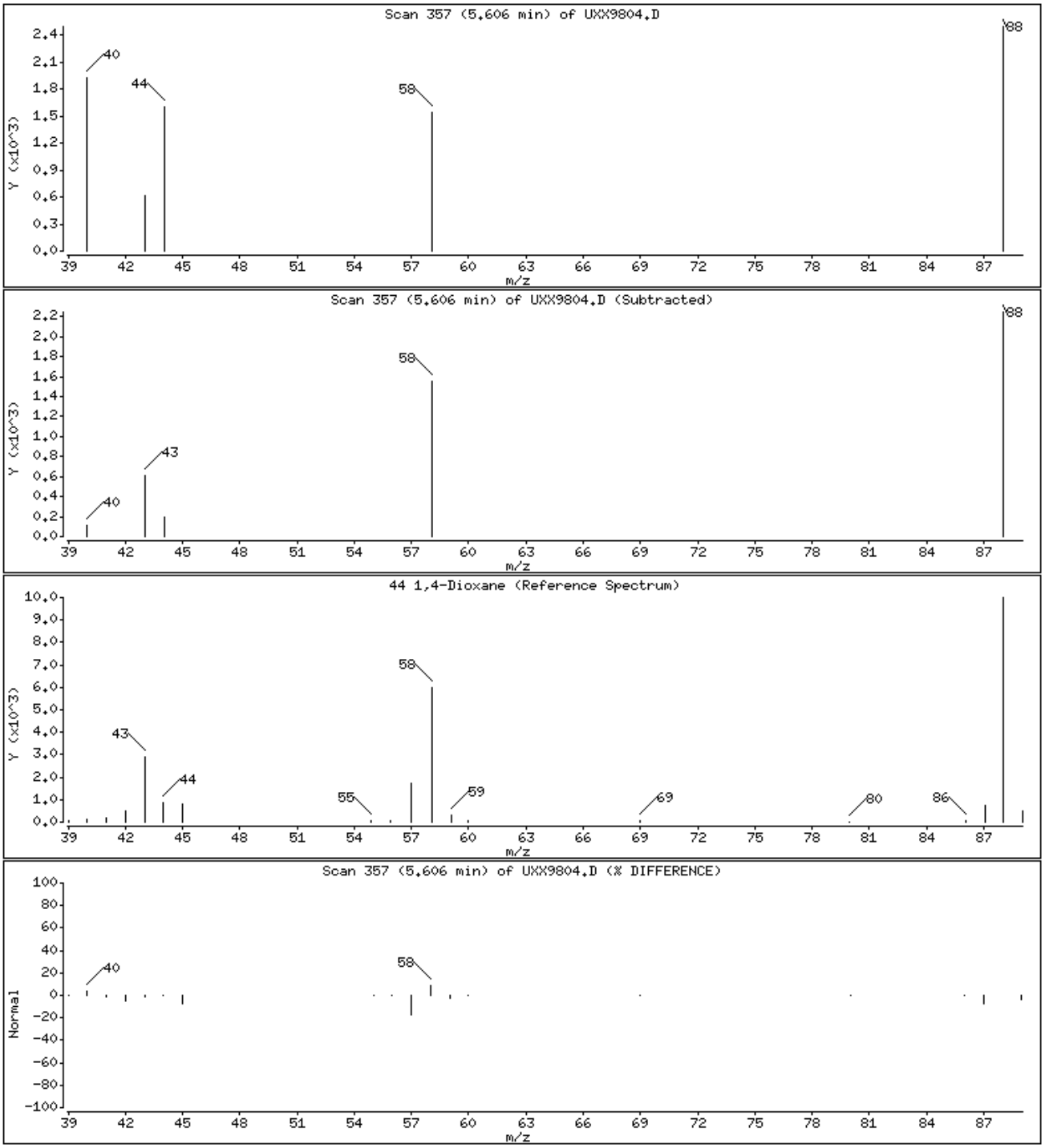
Client ID: MW-E2 Instrument: a3ux10.i

Sample Info: HEXEN1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 31.859 ug/L



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Date : 13-JUL-2005 06:28

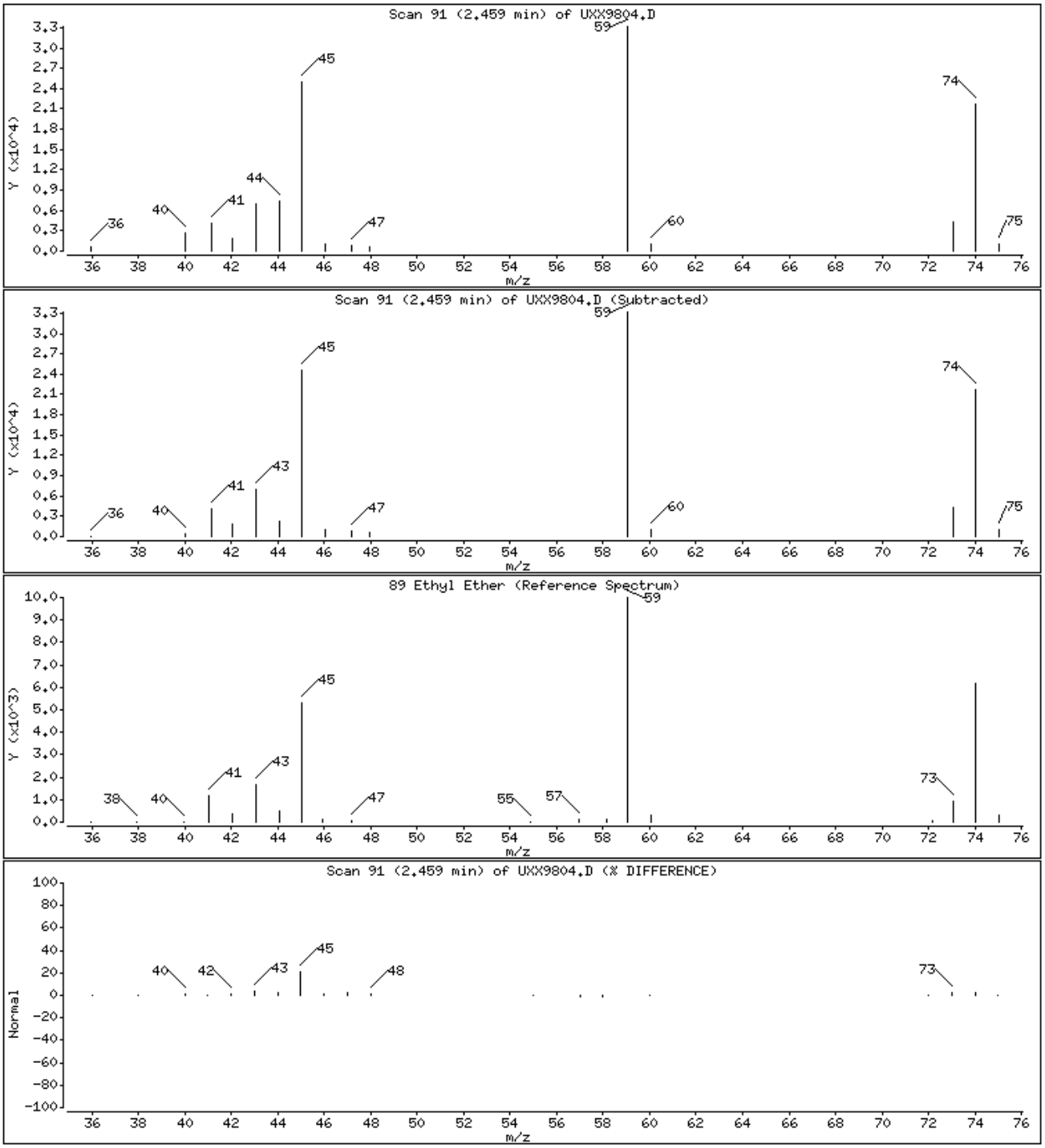
Client ID: MW-E2 Instrument: a3ux10.i

Sample Info: HEXEN1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 3.978 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-212

GC/MS Volatiles

Lot-Sample #...: A5G060137-007 **Work Order #...:** HEXEP1AL **Matrix.....:** WG
Date Sampled...: 07/05/05 18:22 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	**0.82 J**	**1.0**	**ug/L**	**0.20**
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9805.D
Report Date: 14-Jul-2005 08:55

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9805.D
Lab Smp Id: HEXEP1AL Client Smp ID: MW-212
Inj Date : 13-JUL-2005 06:53
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXEP1AL,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 50
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.990	4.989	(1.000)	904650	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	709613	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.876	(1.000)	375312	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	184723	53.1921	10.638
$ 5 1,2-Dichloroethane-d4	65	4.718	4.705	(0.945)	207705	44.9871	8.997
$ 6 Toluene-d8	98	6.339	6.338	(0.828)	740649	48.5023	9.700
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.144)	264878	46.2783	9.256
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22 Acetonitrile	41	Compound Not Detected.
23 Acrylonitrile	53	Compound Not Detected.

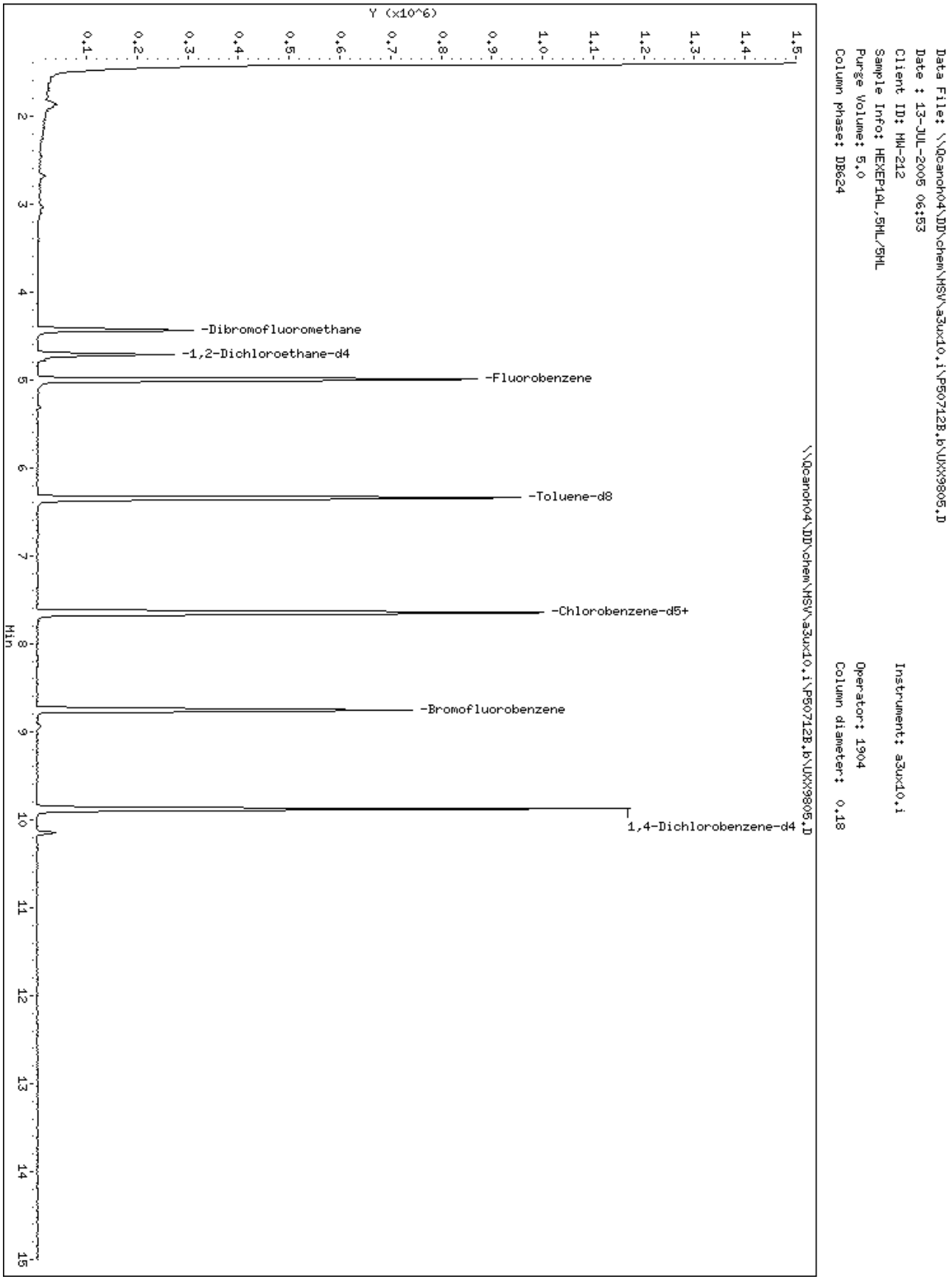
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9805.D
Report Date: 14-Jul-2005 08:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.676	7.675	(1.003)	49283	4.11015	0.8220
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9805.D
Report Date: 14-Jul-2005 08:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					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Date : 13-JUL-2005 06:53
Client ID: MW-212
Sample Info: HEXEP1AL,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5+
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\Qcanoh04\DD\chem\MSV\a3ux10.i\P507128.b\UXX9805.D
Min

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9805.D

Date : 13-JUL-2005 06:53

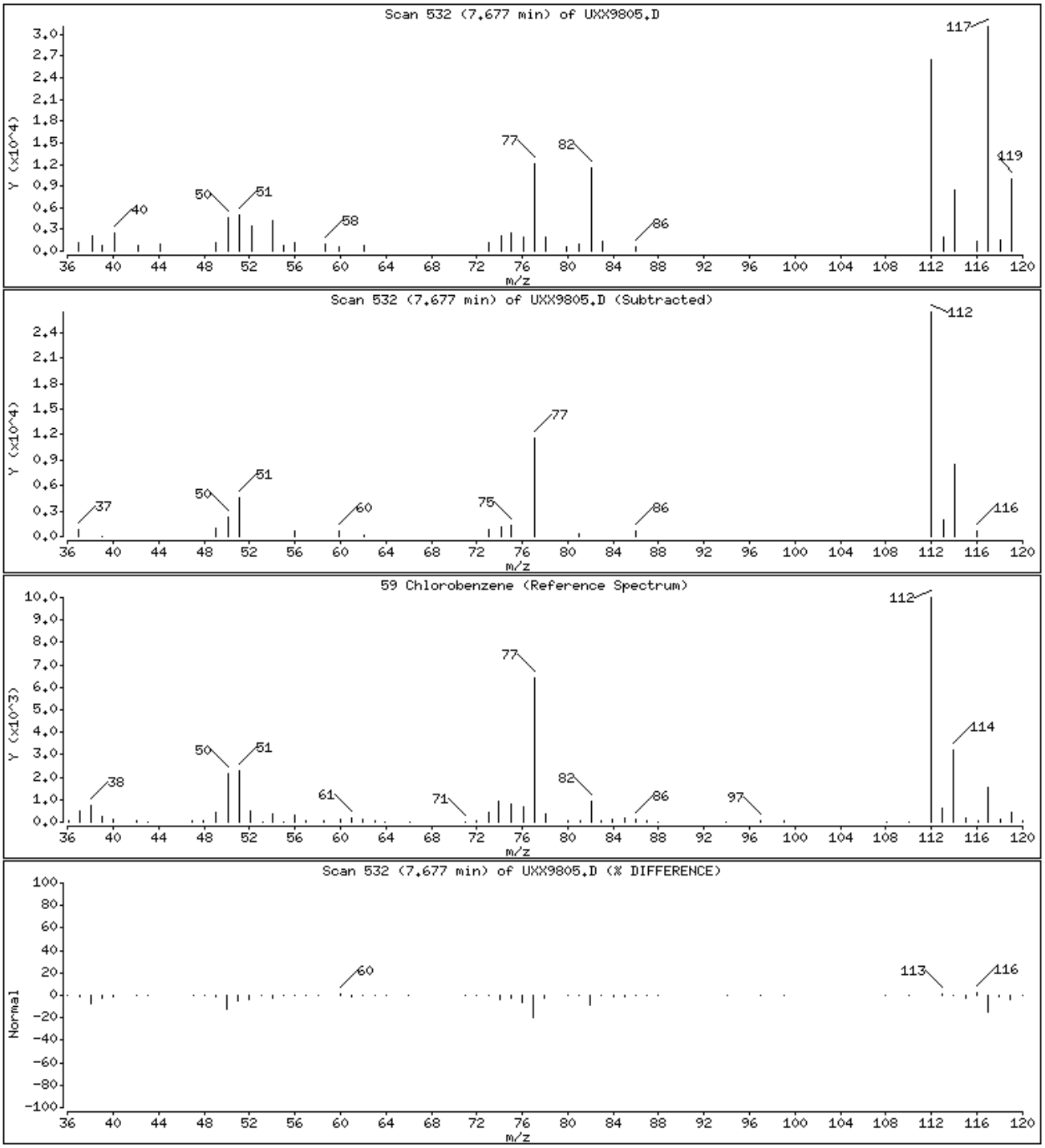
Client ID: MW-212 Instrument: a3ux10.i

Sample Info: HEXEP1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

59 Chlorobenzene Concentration: 0.8220 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-E1

GC/MS Volatiles

Lot-Sample #...: A5G060137-008 **Work Order #...:** HEXER1AL **Matrix.....:** WG
Date Sampled...: 07/05/05 12:04 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9806.D
Report Date: 14-Jul-2005 08:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9806.D
Lab Smp Id: HEXER1AL Client Smp ID: MW-E1
Inj Date : 13-JUL-2005 07:18
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXER1AL,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.992	4.989	(1.000)	894594	50.0000	
* 2 Chlorobenzene-d5	117	7.643	7.652	(1.000)	697567	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.879	9.876	(1.000)	372454	50.0000	
$ 4 Dibromofluoromethane	113	4.436	4.433	(0.889)	180206	52.4747	10.495
$ 5 1,2-Dichloroethane-d4	65	4.708	4.705	(0.943)	211070	46.2298	9.246
$ 6 Toluene-d8	98	6.341	6.338	(0.830)	740500	49.3299	9.866
$ 7 Bromofluorobenzene	95	8.755	8.752	(1.146)	256229	45.5393	9.108
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9806.D
Report Date: 14-Jul-2005 08:56

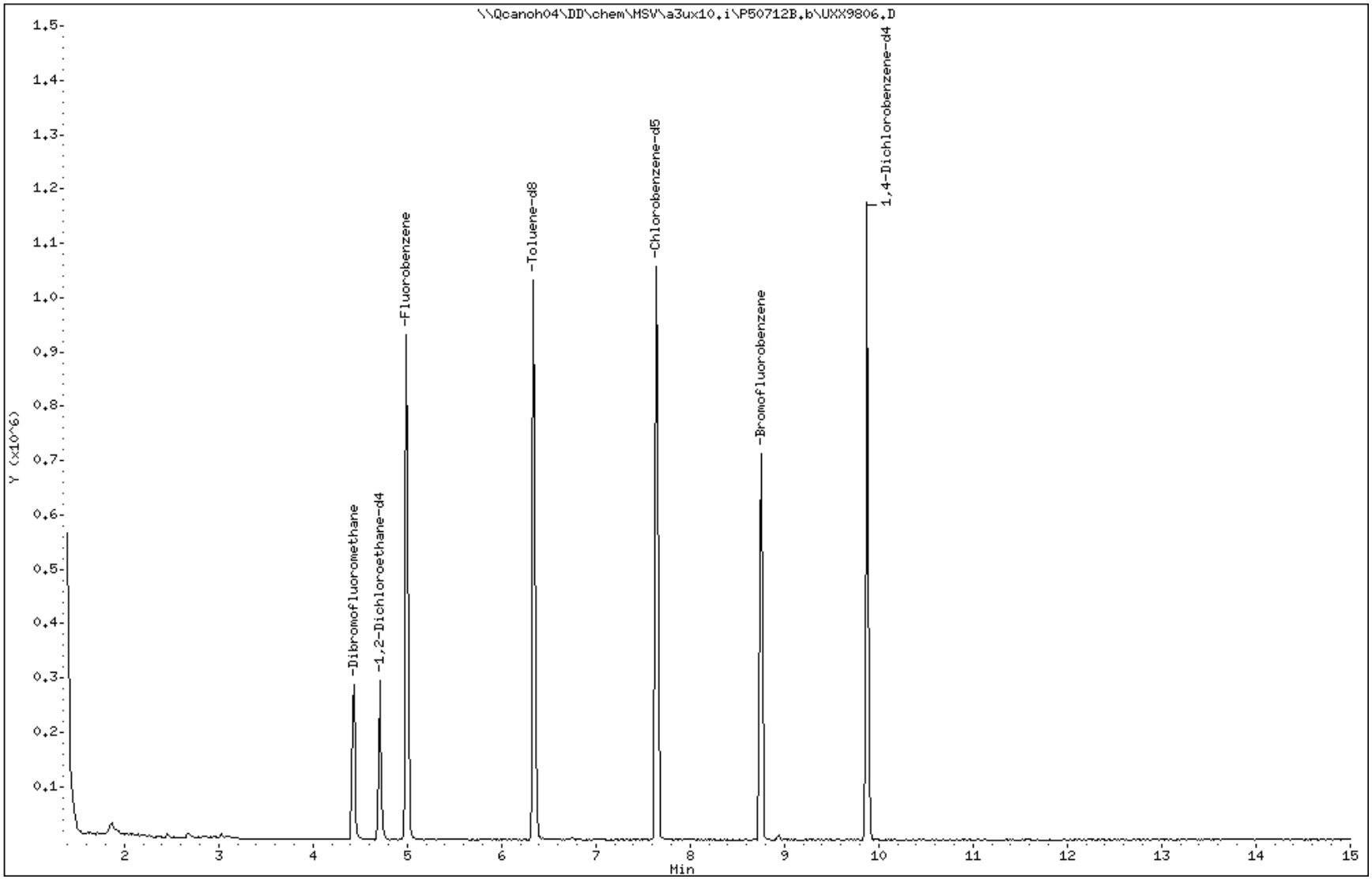
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9806.D
Report Date: 14-Jul-2005 08:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9806.D
Date : 13-JUL-2005 07:18
Client ID: MW-E1
Instrument: a3ux10.i
Sample Info: HEXER1AL,5ML/5ML
Purge Volume: 5.0
Operator: 1904
Column phase: DB624
Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-406

GC/MS Volatiles

Lot-Sample #...: A5G060137-009 **Work Order #...:** HEXET1AL **Matrix.....:** WG
Date Sampled...: 07/05/05 14:20 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9807.D
Report Date: 14-Jul-2005 08:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9807.D
Lab Smp Id: HEXET1AL Client Smp ID: MW-406
Inj Date : 13-JUL-2005 07:42
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXET1AL,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.990	4.989	(1.000)	899580	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	701838	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.876	(1.000)	365872	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	187134	54.1900	10.838
$ 5 1,2-Dichloroethane-d4	65	4.706	4.705	(0.943)	209814	45.7000	9.140
$ 6 Toluene-d8	98	6.339	6.338	(0.828)	725900	48.0630	9.613
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.144)	257764	45.5333	9.107
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

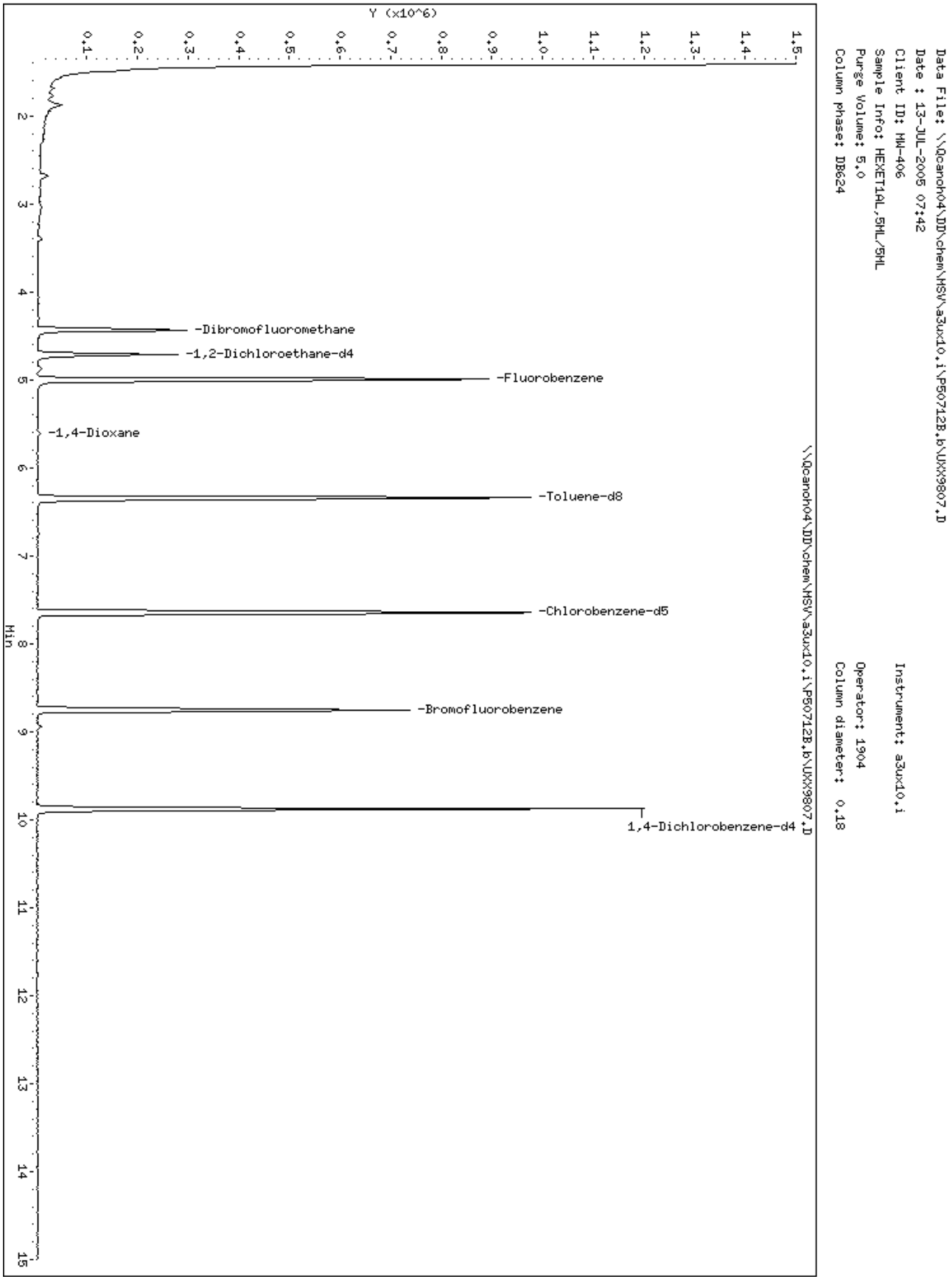
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9807.D
Report Date: 14-Jul-2005 08:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.617	5.605	(1.126)	6822	176.750	35.350
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9807.D
Report Date: 14-Jul-2005 08:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					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Date : 13-JUL-2005 07:42
Client ID: MW-406
Sample Info: HEXETHAL,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,4-Dioxane
-Toluene-d8
-Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\Qcanoh04\DD\chem\MSV\a3ux10.i\P507I2B.b\UXX9807.D
Min

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9807.D

Date : 13-JUL-2005 07:42

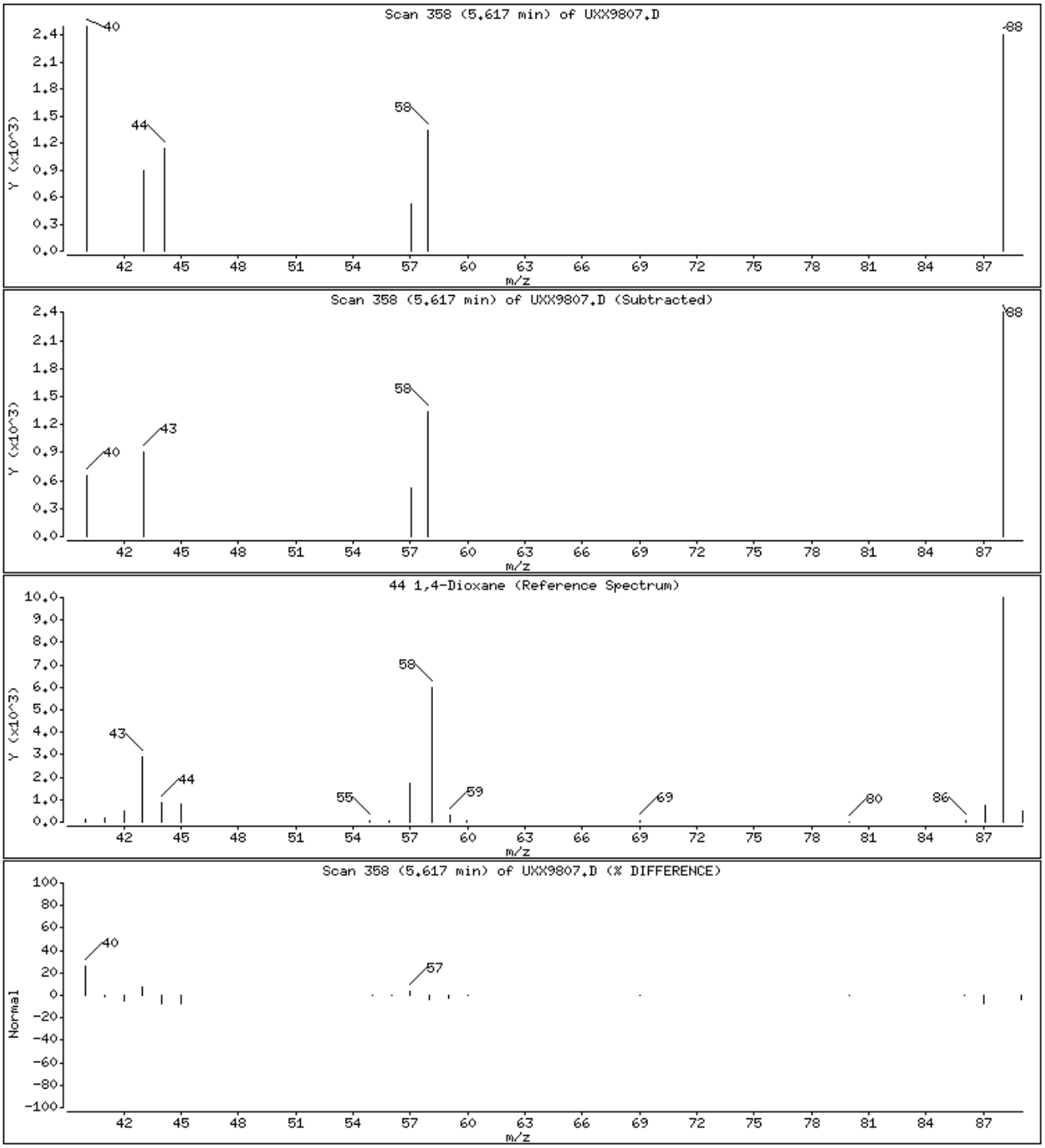
Client ID: MW-406 Instrument: a3ux10.i

Sample Info: HEXET1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 35.350 ug/L



Matrix Environmental, Inc.

Client Sample ID: TRIP

GC/MS Volatiles

Lot-Sample #...: A5G060137-010 **Work Order #...:** HEXEV1AA **Matrix.....:** WQ
Date Sampled...: 07/05/05 **Date Received..:** 07/06/05
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	**0.38 J**	**1.0**	**ug/L**	**0.17**
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9808.D
Report Date: 14-Jul-2005 08:56

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9808.D
Lab Smp Id: HEXEV1AA Client Smp ID: TRIP
Inj Date : 13-JUL-2005 08:07
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEXEV1AA,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.990	4.989	(1.000)	910655	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	699787	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.876	(1.000)	367197	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	183553	52.5066	10.501
$ 5 1,2-Dichloroethane-d4	65	4.706	4.705	(0.943)	209811	45.1436	9.029
$ 6 Toluene-d8	98	6.339	6.338	(0.828)	714710	47.4608	9.492
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.144)	257468	45.6145	9.123
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9808.D
Report Date: 14-Jul-2005 08:56

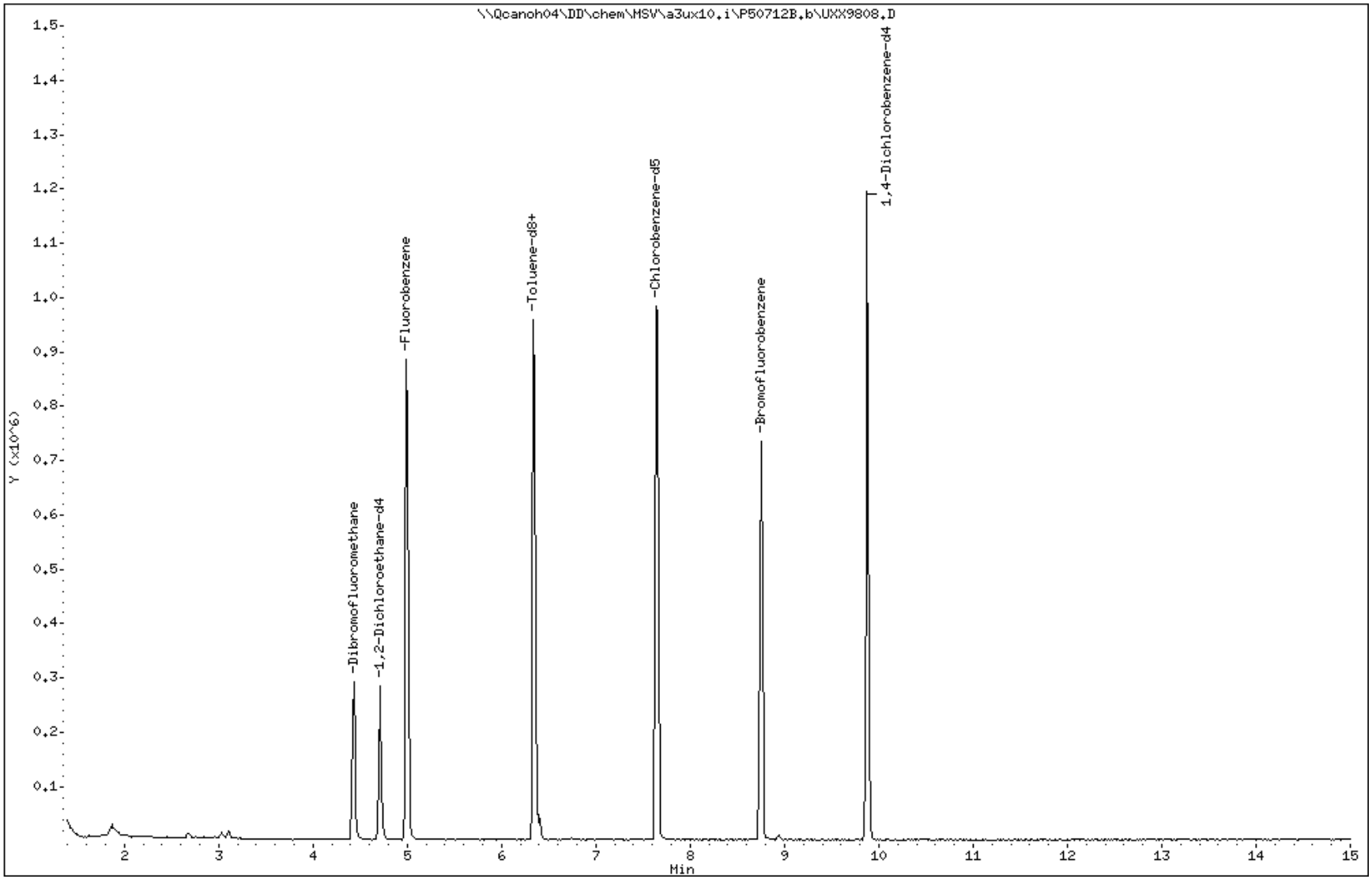
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	6.398	6.397	(0.836)	35225	1.90635	0.3813
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9808.D
Report Date: 14-Jul-2005 08:56

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9808.D
Date : 13-JUL-2005 08:07
Client ID: TRIP
Instrument: a3ux10.i
Sample Info: HEXEV1AA,5ML/5ML
Purge Volume: 5.0
Operator: 1904
Column phase: DB624
Column diameter: 0.18



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9808.D

Date : 13-JUL-2005 08:07

Client ID: TRIP

Instrument: a3ux10.i

Sample Info: HEXEV1AA,5ML/5ML

Purge Volume: 5.0

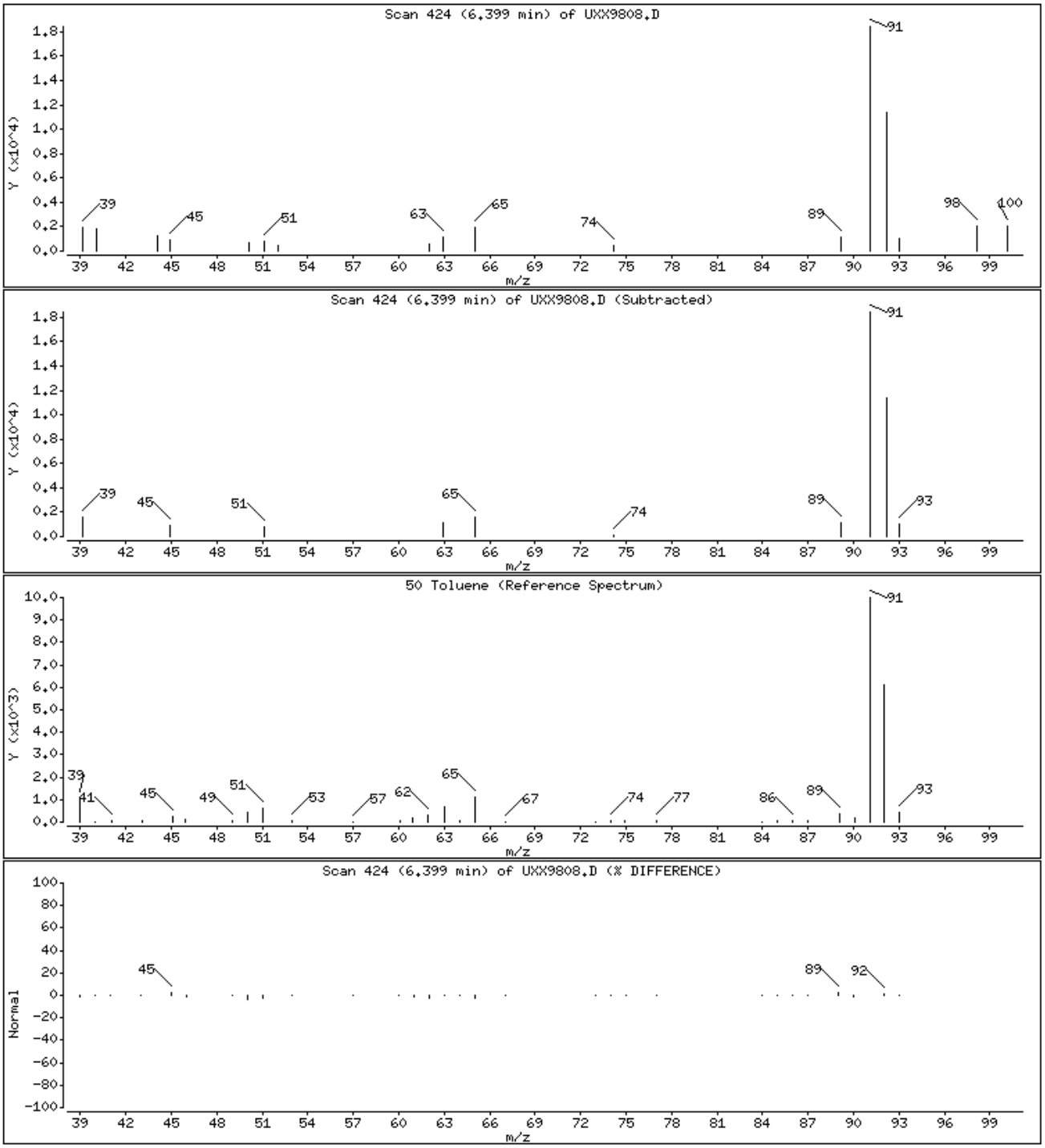
Operator: 1904

Column phase: DB624

Column diameter: 0.18

50 Toluene

Concentration: 0.3813 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Start Cal Date: 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
22-JUN-2005 18:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Cal Level: 2 , Cal Amount: 10.00000		
22-JUN-2005 18:18	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Cal Level: 3 , Cal Amount: 25.00000		
22-JUN-2005 17:54	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Cal Level: 4 , Cal Amount: 50.00000		
22-JUN-2005 17:29	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Cal Level: 5 , Cal Amount: 100.00000		
22-JUN-2005 17:04	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Cal Level: 6 , Cal Amount: 200.00000		
22-JUN-2005 16:39	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

22-JUN-2005 17:29	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D

Report Date : 23-Jun-2005 08:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Last Edit : 23-Jun-2005 08:46 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	8 Dichlorodifluoromethane	0.10875	0.10925	0.17337	0.16499	0.16271	0.15168	0.14512	19.862	
	9 Chloromethane	0.30061	0.31259	0.31255	0.30592	0.30531	0.28467	0.30361	3.412	
	10 Vinyl Chloride	0.20852	0.20936	0.25146	0.27063	0.25896	0.24459	0.24059	10.804	
	11 Bromomethane	0.12886	0.14738	0.14200	0.15654	0.17164	+++++	0.14928	10.731	
	12 Chloroethane	0.13384	0.15386	0.17251	0.17922	0.18300	0.20192	0.17073	13.970	
	13 Trichlorofluoromethane	0.25765	0.28477	0.32254	0.32494	0.32876	0.33649	0.30919	10.029	
	14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	15 Acrolein	0.02788	0.02876	0.02964	0.02979	0.02976	0.02652	0.02873	4.579	
	16 Acetone	0.35781	0.23589	0.12884	0.14068	0.13851	0.13380	0.18926	48.568	
	17 1,1-Dichloroethene	0.19595	0.19184	0.19490	0.22012	0.20587	0.20920	0.20298	5.304	
	18 Freon-113	0.11924	0.13185	0.13168	0.15102	0.14260	0.15361	0.13833	9.497	
	19 Iodomethane	0.15001	0.17373	0.19065	0.20676	0.20490	0.20379	0.18831	11.971	
	20 Carbon Disulfide	0.72143	0.72816	0.74461	0.81964	0.77838	0.78338	0.76260	4.955	
	21 Methylene Chloride	1.08395	0.64426	0.41009	0.33764	0.28774	0.27427	0.50632	61.956	<-
	22 Acetonitrile	0.04046	0.03857	0.03398	0.03462	0.03363	0.03314	0.03573	8.475	
	23 Acrylonitrile	0.09480	0.08011	0.08009	0.08148	0.08187	0.08285	0.08353	6.728	
	24 Methyl tert-butyl ether	0.61881	0.58761	0.57934	0.60846	0.58895	0.61958	0.60046	2.894	
	25 trans-1,2-Dichloroethene	0.21572	0.20033	0.21079	0.20982	0.20835	0.21943	0.21074	3.113	
	26 Hexane	0.03063	0.03715	0.03513	0.04598	0.03877	0.04352	0.03853	14.512	
	27 Vinyl acetate	0.26800	0.29178	0.32754	0.36227	0.37078	0.37256	0.33215	13.328	
	28 1,1-Dichloroethane	0.37434	0.39332	0.37986	0.39085	0.38306	0.39519	0.38610	2.148	
	29 tert-Butyl Alcohol	0.02820	0.02051	0.01631	0.01713	0.01732	0.01865	0.01969	22.463	
	30 2-Butanone	0.17556	0.17561	0.11710	0.14620	0.14713	0.15234	0.15232	14.345	
M	31 1,2-Dichloroethene (total)	0.21959	0.20593	0.21521	0.21858	0.21604	0.22401	0.21656	2.800	
	32 cis-1,2-dichloroethene	0.22345	0.21153	0.21963	0.22734	0.22374	0.22859	0.22238	2.783	
	33 2,2-Dichloropropane	0.16460	0.19497	0.21390	0.23867	0.24176	0.24476	0.21645	14.744	
	34 Bromochloromethane	0.10418	0.10573	0.09874	0.10080	0.09738	0.10260	0.10157	3.154	
	35 Chloroform	0.34356	0.36440	0.36051	0.36907	0.35608	0.38153	0.36252	3.516	

Report Date : 23-Jun-2005 08:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Last Edit : 23-Jun-2005 08:46 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.08340	0.08559	0.07088	0.07022	0.06638	0.06797	0.07407	11.151	
	37 1,1,1-Trichloroethane	0.24183	0.25304	0.26280	0.29773	0.28236	0.29427	0.27201	8.416	
	38 1,1-Dichloropropene	0.24312	0.25197	0.25967	0.29373	0.28007	0.28374	0.26872	7.439	
	39 Carbon Tetrachloride	0.16852	0.16491	0.18109	0.21571	0.21763	0.22604	0.19565	13.908	
	40 1,2-Dichloroethane	0.30091	0.30227	0.31053	0.31142	0.30708	0.31914	0.30856	2.170	
	41 Benzene	0.86282	0.85666	0.86716	0.89072	0.86967	0.90340	0.87507	2.062	
	42 Trichloroethene	0.21885	0.20262	0.21259	0.21810	0.21081	0.22063	0.21393	3.141	
	43 1,2-Dichloropropane	0.21785	0.21144	0.22370	0.22897	0.22275	0.23547	0.22336	3.752	
	44 1,4-Dioxane	0.00242	0.00225	0.00213	0.00202	0.00213	0.00192	0.00215	8.106	<-
	45 Dibromomethane	0.11570	0.11565	0.12025	0.12360	0.12282	0.12577	0.12063	3.503	
	46 Bromodichloromethane	0.27182	0.26849	0.26593	0.26900	0.27246	0.28321	0.27182	2.232	
	47 2-Chloroethyl vinyl ether	0.12164	0.12362	0.13485	0.13590	0.13922	0.14350	0.13312	6.529	
	48 cis-1,3-Dichloropropene	0.29068	0.30066	0.31225	0.32678	0.32934	0.34834	0.31801	6.605	
	49 4-Methyl-2-pentanone	0.23177	0.23726	0.21654	0.21970	0.22451	0.23216	0.22699	3.544	
	50 Toluene	1.31942	1.29861	1.29933	1.34543	1.31787	1.34078	1.32024	1.502	
	51 trans-1,3-Dichloropropene	0.31108	0.32148	0.35336	0.36730	0.38959	0.41221	0.35917	10.834	
	52 Ethyl Methacrylate	0.27682	0.26125	0.31863	0.34534	0.37280	0.37935	0.32903	13.477	
	53 1,1,2-Trichloroethane	0.25961	0.25047	0.25964	0.25363	0.25141	0.25171	0.25441	1.638	
	54 1,3-Dichloropropane	0.50793	0.46405	0.48963	0.48868	0.48565	0.49943	0.48923	3.033	
	55 Tetrachloroethene	0.24301	0.22370	0.22451	0.24506	0.23616	0.23529	0.23462	3.830	
	56 2-Hexanone	0.29362	0.30146	0.22007	0.26139	0.28401	0.28283	0.27390	10.812	
	57 Dibromochloromethane	0.23569	0.23805	0.23569	0.24896	0.25433	0.26425	0.24616	4.762	
	58 1,2-Dibromoethane	0.22299	0.23824	0.24348	0.25319	0.25010	0.25090	0.24315	4.652	
	59 Chlorobenzene	0.90014	0.82813	0.83665	0.83665	0.82538	0.84226	0.84487	3.287	
	60 1,1,1,2-Tetrachloroethane	0.21535	0.21278	0.23239	0.24398	0.25820	0.26919	0.23865	9.544	
	61 Ethylbenzene	0.43392	0.43772	0.45307	0.46311	0.45044	0.45903	0.44955	2.577	
	62 m + p-Xylene	0.55420	0.53390	0.55998	0.57556	0.56666	0.57961	0.56165	2.947	
M	63 Xylenes (total)	0.53653	0.53612	0.55500	0.57128	0.56092	0.57681	0.55611	3.079	
	64 Xylene-o	0.50120	0.54054	0.54503	0.56273	0.54943	0.57121	0.54502	4.463	
	65 Styrene	0.93350	0.92468	0.96065	0.97861	0.96743	1.00341	0.96138	3.024	
	66 Bromoform	0.13986	0.13436	0.14649	0.14793	0.15650	0.16853	0.14895	8.185	
	67 Isopropylbenzene	1.19963	1.16871	1.23285	1.33370	1.28685	1.30866	1.25507	5.175	
	68 1,1,2,2-Tetrachloroethane	0.79692	0.65409	0.64225	0.63420	0.61505	0.61172	0.65904	10.536	
	69 1,4-Dichloro-2-butene	0.17029	0.16604	0.15602	0.17687	0.17397	0.17357	0.16946	4.457	
	70 1,2,3-Trichloropropane	0.24391	0.21903	0.22613	0.20712	0.19757	0.19844	0.21537	8.346	
	71 Bromobenzene	0.70822	0.68910	0.67183	0.69623	0.66585	0.67929	0.68509	2.313	

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STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Last Edit : 23-Jun-2005 08:46 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
72	n-Propylbenzene	0.68898	0.72722	0.70200	0.73901	0.72059	0.71270	0.71508	2.508	
73	2-Chlorotoluene	0.71932	0.66869	0.65719	0.65343	0.62830	0.63853	0.66091	4.835	
74	1,3,5-Trimethylbenzene	2.16099	2.17044	2.17717	2.28531	2.18290	2.24287	2.20328	2.247	
75	4-Chlorotoluene	0.71842	0.62358	0.69194	0.69144	0.65807	0.67898	0.67707	4.837	
76	tert-Butylbenzene	1.86437	1.80051	1.81313	1.93160	1.82392	1.83851	1.84534	2.583	
77	1,2,4-Trimethylbenzene	2.28464	2.34156	2.24729	2.31298	2.24466	2.28561	2.28612	1.640	
78	sec-Butylbenzene	2.41556	2.42310	2.53007	2.70131	2.60448	2.60326	2.54630	4.415	
79	4-Isopropyltoluene	2.13778	2.11723	2.15459	2.24007	2.16516	2.23010	2.17415	2.300	
80	1,3-Dichlorobenzene	1.43070	1.32838	1.30313	1.28729	1.25314	1.27830	1.31349	4.771	
81	1,4-Dichlorobenzene	1.59629	1.45649	1.38457	1.34165	1.29431	1.33018	1.40058	7.913	
82	n-Butylbenzene	1.88349	1.94482	1.95927	2.07594	2.00093	2.03059	1.98251	3.432	
83	1,2-Dichlorobenzene	1.39712	1.33371	1.26258	1.24901	1.21581	1.24177	1.28333	5.329	
84	1,2-Dibromo-3-chloropropane	0.11972	0.10113	0.09863	0.10357	0.10798	0.10503	0.10601	7.020	
85	1,2,4-Trichlorobenzene	0.96697	0.86732	0.83307	0.85810	0.81701	0.79442	0.85615	7.063	
86	Hexachlorobutadiene	0.35009	0.31333	0.30983	0.30847	0.30046	0.29203	0.31237	6.404	
87	Naphthalene	2.09394	1.97396	1.82974	1.77960	1.79442	1.62910	1.85013	8.786	
88	1,2,3-Trichlorobenzene	0.95397	0.80230	0.77253	0.74644	0.72762	0.68227	0.78086	12.046	
89	Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
90	Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91	3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
92	Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
93	2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
94	Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
95	Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
96	Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
97	Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
98	Cyclohexane	0.25892	0.27594	0.28666	0.33895	0.31125	0.33671	0.30140	10.927	
99	n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
100	Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
101	2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
102	Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103	Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
104	Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105	Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134	Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135	Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

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STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 22-JUN-2005 16:39
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Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Last Edit : 23-Jun-2005 08:46 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M	137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	141 1,3,5-Trichlorobenzene	1.00575	0.98895	0.94267	0.91067	0.88090	0.87695	0.93432	5.835	
	143 Methyl Acetate	0.21635	0.21462	0.19812	0.19726	0.19625	0.19333	0.20266	4.976	
	144 Methylcyclohexane	0.22188	0.23712	0.24373	0.30367	0.27655	0.29899	0.26366	12.987	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	4 Dibromofluoromethane	0.19911	0.18972	0.18045	0.19331	0.19250	0.19655	0.19194	3.391	
$	5 1,2-Dichloroethane-d4	0.26875	0.25827	0.25535	0.25199	0.24450	0.25222	0.25518	3.168	
$	6 Toluene-d8	1.04375	1.07591	1.05597	1.07860	1.10098	1.10058	1.07597	2.150	
$	7 Bromofluorobenzene	0.39535	0.41892	0.40478	0.39849	0.40587	0.40208	0.40425	2.025	

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INITIAL CALIBRATION DATA

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uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
ast Edit : 23-Jun-2005 08:49 a3ux10.i

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
8 Dichlorodifluoromethane	13777	28246	110094	212109	420868	774966	WLINR	0.03031	0.16031		0.99496	
9 Chloromethane	0.30061	0.31259	0.31255	0.30592	0.30531	0.28467	AVRG		0.30361		3.41189	
10 Vinyl Chloride	0.20852	0.20936	0.25146	0.27063	0.25896	0.24459	AVRG		0.24059		10.80358	
11 Bromomethane	0.12886	0.14738	0.14200	0.15654	0.17164	+++++	AVRG		0.14928		10.73074	
12 Chloroethane	0.13384	0.15386	0.17251	0.17922	0.18300	0.20192	AVRG		0.17073		13.97002	
13 Trichlorofluoromethane	0.25765	0.28477	0.32254	0.32494	0.32876	0.33649	AVRG		0.30919		10.02875	
14 Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15 Acrolein	0.02788	0.02876	0.02964	0.02979	0.02976	0.02652	AVRG		0.02873		4.57894	
16 Acetone	90655	121977	163627	361723	716546	1367302	WLINR	-0.31734	0.12652		0.99056	
17 1,1-Dichloroethene	0.19595	0.19184	0.19490	0.22012	0.20587	0.20920	AVRG		0.20298		5.30417	
18 Freon-113	0.11924	0.13185	0.13168	0.15102	0.14269	0.15361	AVRG		0.13833		9.49710	
19 Iodomethane	0.15001	0.17373	0.19065	0.20676	0.20490	0.20379	AVRG		0.18831		11.97055	
20 Carbon Disulfide	0.72143	0.72816	0.74461	0.81964	0.77838	0.78338	AVRG		0.76260		4.95503	
21 Methylene Chloride	137316	166569	260415	434070	744273	1401316	WLINR	-0.32328	0.25187		0.99955	

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uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
ast Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
22 Acetonitrile	0.04046	0.03857	0.03398	0.03462	0.03363	0.03314	AVRG		0.03573		8.47461
23 Acrylonitrile	0.09480	0.08011	0.08009	0.08148	0.08187	0.08285	AVRG		0.08353		6.72829
24 Methyl tert-butyl ether	0.61881	0.58761	0.57934	0.60846	0.58895	0.61958	AVRG		0.60046		2.89401
25 trans-1,2-Dichloroethene	0.21572	0.20033	0.21079	0.20982	0.20835	0.21943	AVRG		0.21074		3.11348
26 Hexane	0.03063	0.03715	0.03513	0.04598	0.03877	0.04352	AVRG		0.03853		14.51222
27 Vinyl acetate	0.26800	0.29178	0.32754	0.36227	0.37078	0.37256	AVRG		0.33215		13.32831
28 1,1-Dichloroethane	0.37434	0.39332	0.37986	0.39085	0.38306	0.39519	AVRG		0.38610		2.14750
29 tert-Butyl Alcohol	71452	106079	207118	440486	896174	1905695	WLINR	-0.70849	0.01773		0.99446
30 2-Butanone	0.17556	0.17561	0.11710	0.14620	0.14713	0.15234	AVRG		0.15232		14.34497
31 1,2-Dichloroethene (total)	0.21959	0.20593	0.21521	0.21858	0.21604	0.22401	AVRG		0.21656		2.79961
32 cis-1,2-dichloroethene	0.22345	0.21153	0.21963	0.22734	0.22374	0.22859	AVRG		0.22238		2.78259
33 2,2-Dichloropropane	0.16460	0.19497	0.21390	0.23867	0.24176	0.24476	AVRG		0.21645		14.74394
34 Bromochloromethane	0.10418	0.10573	0.09874	0.10080	0.09738	0.10260	AVRG		0.10157		3.15385
35 Chloroform	0.34356	0.36440	0.36051	0.36907	0.35608	0.38153	AVRG		0.36252		3.51650
36 Tetrahydrofuran	0.08340	0.08559	0.07088	0.07022	0.06638	0.06797	AVRG		0.07407		11.15114
37 1,1,1-Trichloroethane	0.24183	0.25304	0.26280	0.29773	0.28236	0.29427	AVRG		0.27201		8.41551
38 1,1-Dichloropropene	0.24312	0.25197	0.25967	0.29373	0.28007	0.28374	AVRG		0.26872		7.43873
39 Carbon Tetrachloride	0.16852	0.16491	0.18109	0.21571	0.21763	0.22604	AVRG		0.19565		13.90832
40 1,2-Dichloroethane	0.30091	0.30227	0.31053	0.31142	0.30708	0.31914	AVRG		0.30856		2.16971
41 Benzene	0.86282	0.85666	0.86716	0.89072	0.86967	0.90340	AVRG		0.87507		2.06228
42 Trichloroethene	0.21885	0.20262	0.21259	0.21810	0.21081	0.22063	AVRG		0.21393		3.14100
43 1,2-Dichloropropane	0.21785	0.21144	0.22370	0.22897	0.22275	0.23547	AVRG		0.22336		3.75158

eport Date : 23-Jun-2005 08:50

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 22-JUN-2005 16:39
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uant Method : ISTD
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ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
ast Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00242	0.00225	0.00213	0.00202	0.00213	0.00192	AVRG		0.00215		8.10609	<-
45 Dibromomethane	0.11570	0.11565	0.12025	0.12360	0.12282	0.12577	AVRG		0.12063		3.50287	
46 Bromodichloromethane	0.27182	0.26849	0.26593	0.26900	0.27246	0.28321	AVRG		0.27182		2.23180	
47 2-Chloroethyl vinyl ether	0.12164	0.12362	0.13485	0.13590	0.13922	0.14350	AVRG		0.13312		6.52947	
48 cis-1,3-Dichloropropene	0.29068	0.30066	0.31225	0.32678	0.32934	0.34834	AVRG		0.31801		6.60482	
49 4-Methyl-2-pentanone	0.23177	0.23726	0.21654	0.21970	0.22451	0.23216	AVRG		0.22699		3.54370	
50 Toluene	1.31942	1.29861	1.29933	1.34543	1.31787	1.34078	AVRG		1.32024		1.50245	
51 trans-1,3-Dichloropropene	0.31108	0.32148	0.35336	0.36730	0.38959	0.41221	AVRG		0.35917		10.83434	
52 Ethyl Methacrylate	0.27682	0.28125	0.31863	0.34534	0.37280	0.37935	AVRG		0.32903		13.47658	
53 1,1,2-Trichloroethane	0.25961	0.25047	0.25964	0.25363	0.25141	0.25171	AVRG		0.25441		1.63806	
54 1,3-Dichloropropane	0.50793	0.46405	0.48963	0.48868	0.48565	0.49943	AVRG		0.48923		3.03312	
55 Tetrachloroethene	0.24301	0.22370	0.22451	0.24506	0.23616	0.23529	AVRG		0.23462		3.83049	
56 2-Hexanone	0.29362	0.30146	0.22007	0.26139	0.28401	0.28283	AVRG		0.27390		10.81151	
57 Dibromochloromethane	0.23569	0.23805	0.23569	0.24896	0.25433	0.26425	AVRG		0.24616		4.76155	
58 1,2-Dibromoethane	0.22299	0.23824	0.24348	0.25319	0.25010	0.25090	AVRG		0.24315		4.65182	
59 Chlorobenzene	0.90014	0.82813	0.83665	0.83665	0.82538	0.84226	AVRG		0.84487		3.28732	
60 1,1,1,2-Tetrachloroethane	0.21535	0.21278	0.23239	0.24398	0.25820	0.26919	AVRG		0.23865		9.54435	
61 Ethylbenzene	0.43392	0.43772	0.45307	0.46311	0.45044	0.45903	AVRG		0.44955		2.57660	
62 m + p-Xylene	0.55420	0.53390	0.55998	0.57556	0.56666	0.57961	AVRG		0.56165		2.94669	
63 Xylenes (total)	0.53653	0.53612	0.55500	0.57128	0.56092	0.57681	AVRG		0.55611		3.07908	
64 Xylene-o	0.50120	0.54054	0.54503	0.56273	0.54943	0.57121	AVRG		0.54502		4.46349	
65 Styrene	0.93350	0.92468	0.96065	0.97861	0.96743	1.00341	AVRG		0.96138		3.02369	

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ast Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Bromoform	0.13986	0.13436	0.14649	0.14793	0.15650	0.16853	AVRG		0.14895		8.18474
67 Isopropylbenzene	1.19963	1.16871	1.23285	1.33370	1.28685	1.30866	AVRG		1.25507		5.17455
68 1,1,2,2-Tetrachloroethane	0.79692	0.65409	0.64225	0.63420	0.61505	0.61172	AVRG		0.65904		10.53636
69 1,4-Dichloro-2-butene	0.17029	0.16604	0.15602	0.17687	0.17397	0.17357	AVRG		0.16946		4.45720
70 1,2,3-Trichloropropane	0.24391	0.21903	0.22613	0.20712	0.19757	0.19844	AVRG		0.21537		8.34596
71 Bromobenzene	0.70822	0.68910	0.67183	0.69623	0.66585	0.67929	AVRG		0.68509		2.31275
72 n-Propylbenzene	0.68898	0.72722	0.70200	0.73901	0.72059	0.71270	AVRG		0.71508		2.50775
73 2-Chlorotoluene	0.71932	0.66869	0.65719	0.65343	0.62830	0.63853	AVRG		0.66091		4.83539
74 1,3,5-Trimethylbenzene	2.16099	2.17044	2.17717	2.28531	2.18290	2.24287	AVRG		2.20328		2.24747
75 4-Chlorotoluene	0.71842	0.62358	0.69194	0.69144	0.65807	0.67898	AVRG		0.67707		4.83720
76 tert-Butylbenzene	1.86437	1.80051	1.81313	1.93160	1.82392	1.83851	AVRG		1.84534		2.58261
77 1,2,4-Trimethylbenzene	2.28464	2.34156	2.24729	2.31298	2.24466	2.28561	AVRG		2.28612		1.63953
78 sec-Butylbenzene	2.41556	2.42310	2.53007	2.70131	2.60448	2.60326	AVRG		2.54630		4.41504
79 4-Isopropyltoluene	2.13778	2.11723	2.15459	2.24007	2.16516	2.23010	AVRG		2.17415		2.29983
80 1,3-Dichlorobenzene	1.43070	1.32838	1.30313	1.28729	1.25314	1.27830	AVRG		1.31349		4.77095
81 1,4-Dichlorobenzene	1.59629	1.45649	1.38457	1.34165	1.29431	1.33018	AVRG		1.40058		7.91256
82 n-Butylbenzene	1.88349	1.94482	1.95927	2.07594	2.00093	2.03059	AVRG		1.98251		3.43182
83 1,2-Dichlorobenzene	1.39712	1.33371	1.26258	1.24901	1.21581	1.24177	AVRG		1.28333		5.32854
84 1,2-Dibromo-3-chloropropane	0.11972	0.10113	0.09863	0.10357	0.10798	0.10503	AVRG		0.10601		7.02009
85 1,2,4-Trichlorobenzene	0.96697	0.86732	0.83307	0.85810	0.81701	0.79442	AVRG		0.85615		7.06307
86 Hexachlorobutadiene	0.35009	0.31333	0.30983	0.30847	0.30046	0.29203	AVRG		0.31237		6.40367
87 Naphthalene	2.09394	1.97396	1.82974	1.77960	1.79442	1.62910	AVRG		1.85013		8.78626

eport Date : 23-Jun-2005 08:50

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 22-JUN-2005 16:39
nd Cal Date : 22-JUN-2005 18:43
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
ast Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.95397	0.80230	0.77253	0.74644	0.72762	0.68227	AVRG		0.78086		12.04556	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
93 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
98 Cyclohexane	0.25892	0.27594	0.28666	0.33895	0.31125	0.33671	AVRG		0.30140		10.92734	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

eport Date : 23-Jun-2005 08:50

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 22-JUN-2005 16:39
id Cal Date : 22-JUN-2005 18:43
iant Method : ISTD
irget Version : 4.14
itegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
ist Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.00575	0.98895	0.94267	0.91067	0.88090	0.87695	AVRG		0.93432		5.83503	
143 Methyl Acetate	0.21635	0.21462	0.19812	0.19726	0.19625	0.19333	AVRG		0.20266		4.97591	
144 Methylcyclohexane	0.22188	0.23712	0.24373	0.30367	0.27655	0.29899	AVRG		0.26366		12.98705	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.19911	0.18972	0.18045	0.19331	0.19250	0.19655	AVRG		0.19194		3.39062	
5 1,2-Dichloroethane-d4	0.26875	0.25827	0.25535	0.25199	0.24450	0.25222	AVRG		0.25518		3.16849	
6 Toluene-d8	1.04375	1.07591	1.05597	1.07860	1.10098	1.10058	AVRG		1.07597		2.15018	
7 Bromofluorobenzene	0.39535	0.41892	0.40478	0.39849	0.40587	0.40208	AVRG		0.40425		2.02505	

eport Date : 23-Jun-2005 08:50

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 22-JUN-2005 16:39
nd Cal Date : 22-JUN-2005 18:43
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
ast Edit : 23-Jun-2005 08:49 a3ux10.i

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Wt Linear	Amt = b + Rsp/ml	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D
Report Date: 23-Jun-2005 08:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D
Lab Smp Id: 200NG-IC
Inj Date : 22-JUN-2005 16:39
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:21 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 18:18 Cal File: UXX9122.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	5.001	5.001	(1.000)	1277337	50.0000	
*	2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	929822	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.876	9.876	(1.000)	489458	50.0000	
$	4 Dibromofluoromethane	113	4.433	4.433	(0.886)	1004245	200.000	204.80(A)
$	5 1,2-Dichloroethane-d4	65	4.717	4.717	(0.943)	1288698	200.000	197.68
$	6 Toluene-d8	98	6.350	6.350	(0.830)	4093391	200.000	204.58(A)
$	7 Bromofluorobenzene	95	8.752	8.752	(1.144)	1495463	200.000	198.93
	8 Dichlorodifluoromethane	85	1.475	1.475	(0.295)	774966	200.000	198.80
	9 Chloromethane	50	1.641	1.641	(0.328)	1454467	200.000	187.52
	10 Vinyl Chloride	62	1.712	1.712	(0.342)	1249705	200.000	203.33(A)
	11 Bromomethane	94	1.960	1.960	(0.392)	1053676	200.000	276.28(A)
	12 Chloroethane	64	2.043	2.043	(0.409)	1031680	200.000	236.54(A)
	13 Trichlorofluoromethane	101	2.256	2.256	(0.451)	1719233	200.000	217.66(A)
	15 Acrolein	56	2.576	2.576	(0.515)	1354779	2000.00	1846.1
	16 Acetone	43	2.694	2.694	(0.539)	1367302	400.000	407.16(A)
	17 1,1-Dichloroethene	96	2.670	2.670	(0.534)	1068876	200.000	206.13(A)
	18 Freon-113	151	2.670	2.670	(0.534)	784831	200.000	222.08(A)
	19 Iodomethane	142	2.800	2.800	(0.560)	1041213	200.000	216.44(A)
	20 Carbon Disulfide	76	2.860	2.860	(0.572)	4002549	200.000	205.45(A)
	21 Methylene Chloride	84	3.037	3.037	(0.607)	1401316	200.000	201.62(A)
	22 Acetonitrile	41	2.907	2.907	(0.581)	1693135	2000.00	1854.7
	23 Acrylonitrile	53	3.215	3.215	(0.643)	4233324	2000.00	1983.7

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D
Report Date: 23-Jun-2005 08:21

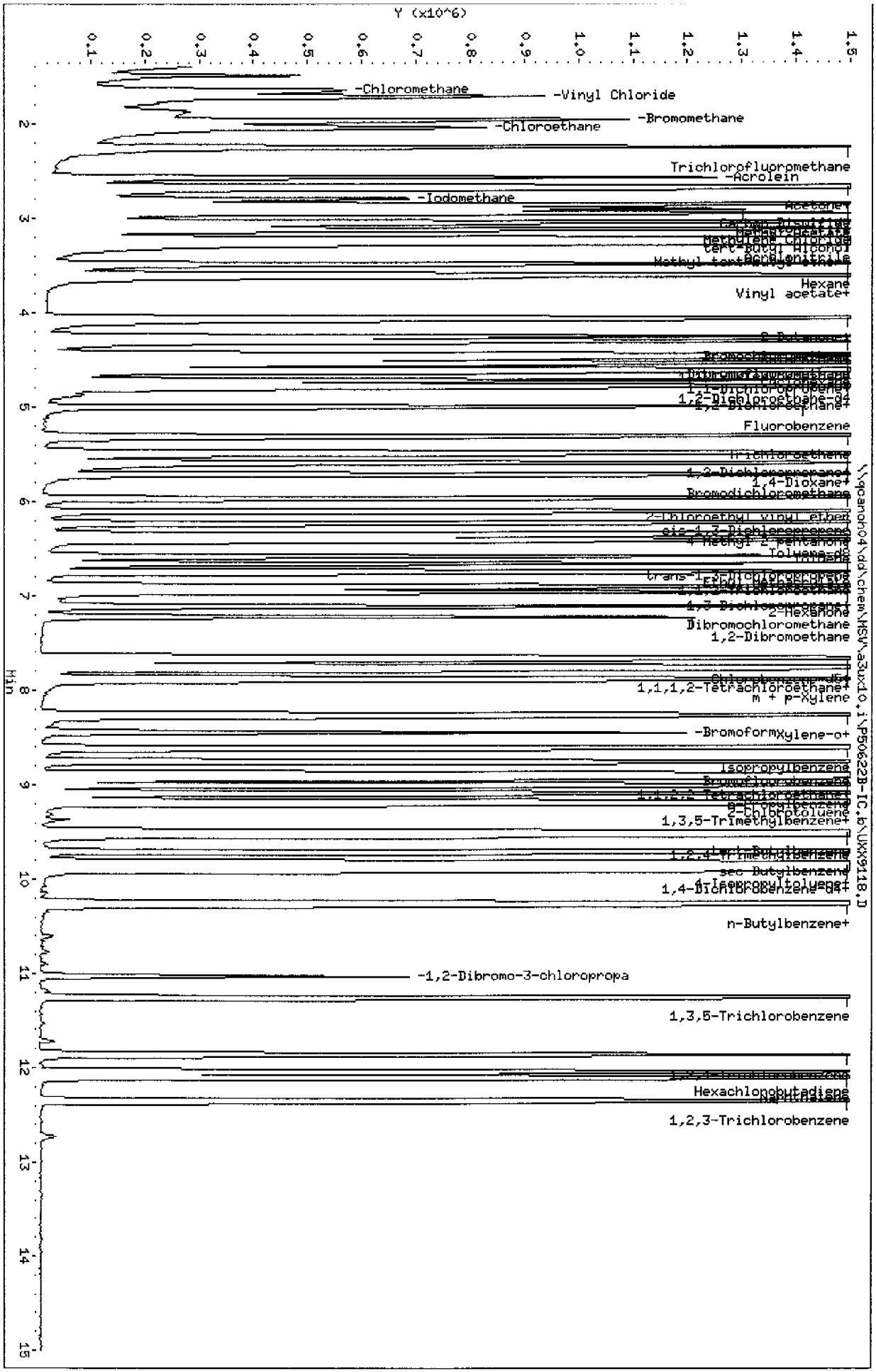
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.262	3.262	(0.652)	3165651	200.000	206.37(A)
25 trans-1,2-Dichloroethene	96	3.262	3.262	(0.652)	1121168	200.000	208.25(A)
26 Hexane	86	3.487	3.487	(0.697)	222369	200.000	225.91(A)
27 Vinyl acetate	43	3.617	3.617	(0.723)	1903514	200.000	224.33(A)
28 1,1-Dichloroethane	63	3.593	3.593	(0.718)	2019165	200.000	204.71(A)
29 tert-Butyl Alcohol	59	3.120	3.120	(0.624)	1905695	4000.00	4172.9(A)
30 2-Butanone	43	4.055	4.055	(0.811)	1556755	400.000	400.05(A)
32 cis-1,2-dichloroethene	96	4.055	4.055	(0.811)	1167935	200.000	205.58(A)
33 2,2-Dichloropropane	77	4.067	4.067	(0.813)	1250586	200.000	226.17(A)
34 Bromochloromethane	128	4.256	4.256	(0.851)	524229	200.000	202.03(A)
35 Chloroform	83	4.315	4.315	(0.863)	1949355	200.000	210.48(A)
36 Tetrahydrofuran	42	4.303	4.303	(0.860)	347263	200.000	183.51
37 1,1,1-Trichloroethane	97	4.481	4.481	(0.896)	1503548	200.000	216.37(A)
38 1,1-Dichloropropene	75	4.611	4.611	(0.922)	1449733	200.000	211.18(A)
39 Carbon Tetrachloride	117	4.623	4.623	(0.924)	1154934	200.000	231.07(A)
40 1,2-Dichloroethane	62	4.776	4.776	(0.955)	1630586	200.000	206.86(A)
41 Benzene	78	4.776	4.776	(0.955)	4615768	200.000	206.47(A)
42 Trichloroethene	130	5.309	5.309	(1.062)	1127260	200.000	206.26(A)
43 1,2-Dichloropropane	63	5.486	5.486	(1.097)	1203104	200.000	210.84(A)
44 1,4-Dioxane	88	5.605	5.605	(1.121)	489752	10000.0	8936.3(A)
45 Dibromomethane	93	5.593	5.593	(1.118)	642606	200.000	208.52(A)
46 Bromodichloromethane	83	5.711	5.711	(1.142)	1447032	200.000	208.38(A)
47 2-Chloroethyl vinyl ether	63	5.960	5.960	(1.192)	1466382	400.000	431.18(A)
48 cis-1,3-Dichloropropene	75	6.102	6.102	(1.220)	1779769	200.000	219.07(A)
49 4-Methyl-2-pentanone	43	6.220	6.220	(1.244)	2372349	400.000	409.11(A)
50 Toluene	91	6.409	6.409	(0.838)	4986749	200.000	203.11(A)
51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	1533121	200.000	229.53(A)
52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	1410908	200.000	230.58(A)
53 1,1,2-Trichloroethane	97	6.741	6.741	(0.881)	936195	200.000	197.88
54 1,3-Dichloropropane	76	6.895	6.895	(0.901)	1857530	200.000	204.17(A)
55 Tetrachloroethene	164	6.906	6.906	(0.903)	875097	200.000	200.57(A)
56 2-Hexanone	43	6.966	6.966	(0.910)	2103853	400.000	413.05(A)
57 Dibromochloromethane	129	7.108	7.108	(0.929)	982835	200.000	214.70(A)
58 1,2-Dibromoethane	107	7.226	7.226	(0.944)	933157	200.000	206.37(A)
59 Chlorobenzene	112	7.676	7.676	(1.003)	3132626	200.000	199.38
60 1,1,1,2-Tetrachloroethane	131	7.747	7.747	(1.012)	1001184	200.000	225.59(A)
61 Ethylbenzene	106	7.770	7.770	(1.015)	1707247	200.000	204.22(A)
62 m + p-Xylene	106	7.877	7.877	(1.029)	4311464	400.000	412.79(A)
64 Xylene-o	106	8.255	8.255	(1.079)	2124508	200.000	209.61(A)
65 Styrene	104	8.267	8.267	(1.080)	3731985	200.000	208.74(A)
66 Bromoform	173	8.445	8.445	(1.104)	626818	200.000	226.30(A)
67 Isopropylbenzene	105	8.610	8.610	(1.125)	4867281	200.000	208.54(A)
68 1,1,2,2-Tetrachloroethane	83	8.871	8.871	(0.898)	1197645	200.000	185.64
69 1,4-Dichloro-2-butene	53	8.930	8.930	(0.904)	339822	200.000	204.85(A)
70 1,2,3-Trichloropropane	110	8.918	8.918	(0.903)	388521	200.000	184.28
71 Bromobenzene	156	8.906	8.906	(0.902)	1329932	200.000	198.31
72 n-Propylbenzene	120	9.001	9.001	(0.911)	1395340	200.000	199.33
73 2-Chlorotoluene	126	9.095	9.095	(0.921)	1250132	200.000	193.23
74 1,3,5-Trimethylbenzene	105	9.166	9.166	(0.928)	4391167	200.000	203.59(A)
75 4-Chlorotoluene	126	9.190	9.190	(0.930)	1329331	200.000	200.56(A)
76 tert-Butylbenzene	119	9.486	9.486	(0.960)	3599503	200.000	199.26
77 1,2,4-Trimethylbenzene	105	9.533	9.533	(0.965)	4474831	200.000	199.95
78 sec-Butylbenzene	105	9.711	9.711	(0.983)	5096738	200.000	204.47(A)
79 4-Isopropyltoluene	119	9.841	9.841	(0.996)	4366153	200.000	205.15(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D
Report Date: 23-Jun-2005 08:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	2502702	200.000	194.64
81	1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	2604267	200.000	189.95
82	n-Butylbenzene	91	10.243	10.243	(1.037)	3975550	200.000	204.85(A)
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	2431185	200.000	193.52
84	1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	205633	200.000	198.15
85	1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	1555350	200.000	185.58
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	571751	200.000	186.98
87	Naphthalene	128	12.101	12.101	(1.225)	3189511	200.000	176.11
88	1,2,3-Trichlorobenzene	180	12.349	12.349	(1.250)	1335774	200.000	174.75
98	Cyclohexane	56	4.540	4.540	(0.908)	1720366	200.000	223.43(A)
143	Methyl Acetate	43	2.954	2.954	(0.591)	1975599	400.000	381.60(A)
144	Methylcyclohexane	83	5.486	5.486	(1.097)	1527664	200.000	226.80(A)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	1716926	200.000	187.72(A)

QC Flag Legend

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



Data File: \\qcanon04\dd\chem\MSV\a3ux10.i\P506228-IC.b\UXX9418.D
Date : 22-JUN-2005 16:39
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Report Date: 23-Jun-2005 08:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Lab Smp Id: 100NG-IC
Inj Date : 22-JUN-2005 17:04
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:22 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 16:39 Cal File: UXX9118.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	5.001	5.001	(1.000)	1293320	50.0000	
*	2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	913860	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.876	9.876	(1.000)	485947	50.0000	
$	4 Dibromofluoromethane	113	4.445	4.445	(0.889)	497926	100.000	100.29
$	5 1,2-Dichloroethane-d4	65	4.717	4.717	(0.943)	632425	100.000	95.813
$	6 Toluene-d8	98	6.350	6.350	(0.830)	2012281	100.000	102.32
$	7 Bromofluorobenzene	95	8.752	8.752	(1.144)	741821	100.000	100.40
	8 Dichlorodifluoromethane	85	1.487	1.487	(0.297)	420868	100.000	106.63
	9 Chloromethane	50	1.652	1.652	(0.330)	789721	100.000	100.56
	10 Vinyl Chloride	62	1.711	1.711	(0.342)	669848	100.000	107.64
	11 Bromomethane	94	1.972	1.972	(0.394)	443979	100.000	114.98
	12 Chloroethane	64	2.055	2.055	(0.411)	473360	100.000	107.19
	13 Trichlorofluoromethane	101	2.256	2.256	(0.451)	850385	100.000	106.33
	15 Acrolein	56	2.575	2.575	(0.515)	769824	1000.00	1036.1
	16 Acetone	43	2.694	2.694	(0.539)	716546	200.000	203.08(A)
	17 1,1-Dichloroethene	96	2.670	2.670	(0.534)	532520	100.000	101.42
	18 Freon-113	151	2.670	2.670	(0.534)	368853	100.000	103.08
	19 Iodomethane	142	2.800	2.800	(0.560)	530012	100.000	108.81
	20 Carbon Disulfide	76	2.859	2.859	(0.572)	2013379	100.000	102.07
	21 Methylene Chloride	84	3.049	3.049	(0.610)	744273	100.000	98.076
	22 Acetonitrile	41	2.907	2.907	(0.581)	869960	1000.00	941.21
	23 Acrylonitrile	53	3.226	3.226	(0.645)	2117807	1000.00	980.13

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Report Date: 23-Jun-2005 08:22

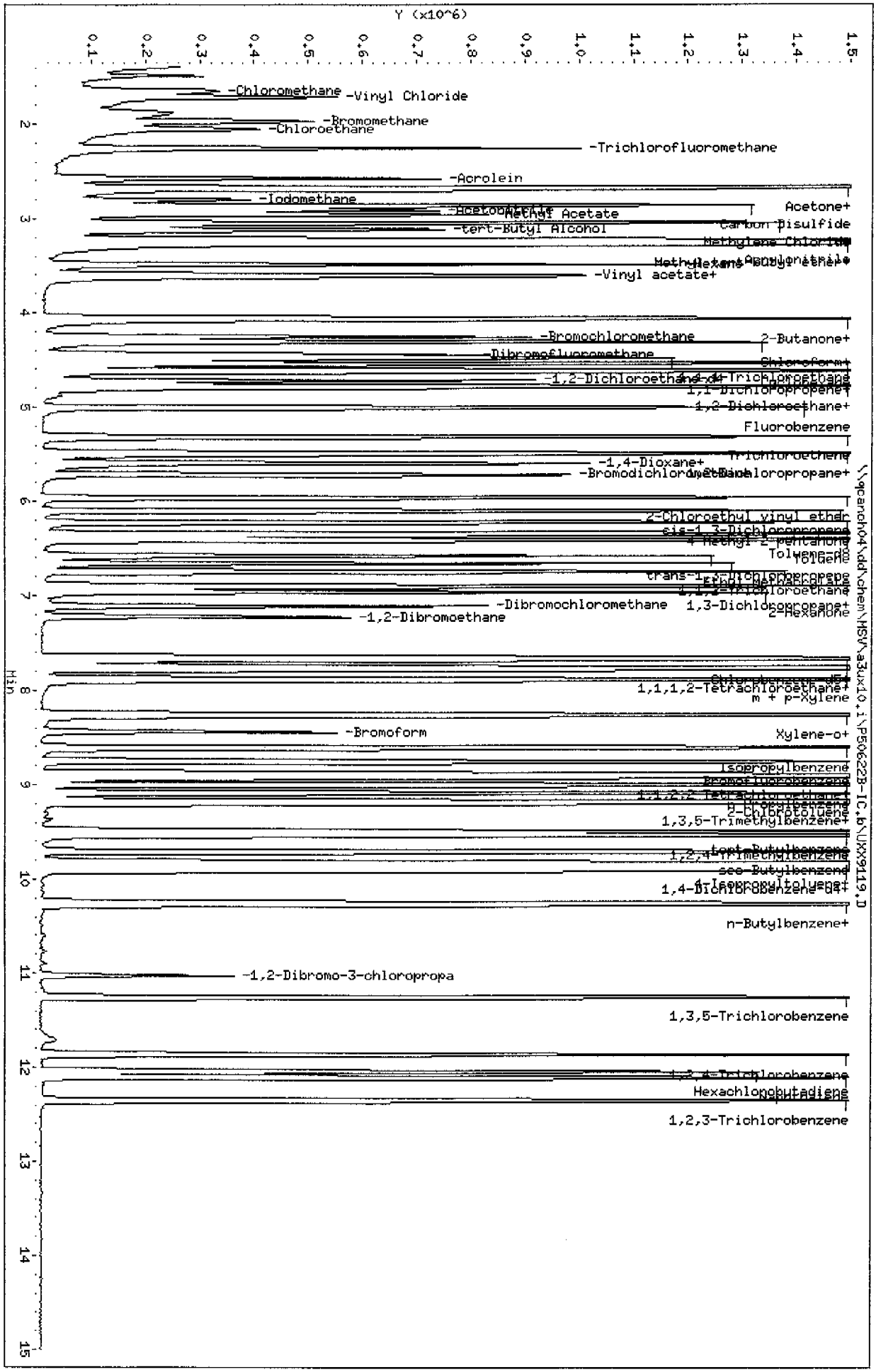
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
24 Methyl tert-butyl ether	73	3.262	3.262	(0.652)	1523411	100.000	98.084
25 trans-1,2-Dichloroethene	96	3.262	3.262	(0.652)	538929	100.000	98.865
26 Hexane	86	3.486	3.486	(0.697)	100296	100.000	100.63
27 Vinyl acetate	43	3.628	3.628	(0.726)	959087	100.000	111.63
28 1,1-Dichloroethane	63	3.593	3.593	(0.718)	990832	100.000	99.211
29 tert-Butyl Alcohol	59	3.120	3.120	(0.624)	896174	2000.00	1919.1(A)
30 2-Butanone	43	4.054	4.054	(0.811)	761144	200.000	193.18
32 cis-1,2-dichloroethene	96	4.066	4.066	(0.813)	578728	100.000	100.61
33 2,2-Dichloropropane	77	4.066	4.066	(0.813)	625351	100.000	111.70
34 Bromochloromethane	128	4.256	4.256	(0.851)	251898	100.000	95.877
35 Chloroform	83	4.315	4.315	(0.863)	921038	100.000	98.221
36 Tetrahydrofuran	42	4.303	4.303	(0.860)	171706	100.000	89.617
37 1,1,1-Trichloroethane	97	4.480	4.480	(0.896)	730362	100.000	103.81
38 1,1-Dichloropropene	75	4.611	4.611	(0.922)	724447	100.000	104.22
39 Carbon Tetrachloride	117	4.622	4.622	(0.924)	562924	100.000	111.23
40 1,2-Dichloroethane	62	4.776	4.776	(0.955)	794304	100.000	99.520
41 Benzene	78	4.776	4.776	(0.955)	2249511	100.000	99.382
42 Trichloroethene	130	5.309	5.309	(1.062)	545290	100.000	98.540
43 1,2-Dichloropropane	63	5.486	5.486	(1.097)	576184	100.000	99.727
44 1,4-Dioxane	88	5.604	5.604	(1.121)	275933	5000.00	4972.6(A)
45 Dibromomethane	93	5.593	5.593	(1.118)	317679	100.000	101.81
46 Bromodichloromethane	83	5.711	5.711	(1.142)	704766	100.000	100.24
47 2-Chloroethyl vinyl ether	63	5.959	5.959	(1.192)	720248	200.000	209.17(A)
48 cis-1,3-Dichloropropene	75	6.101	6.101	(1.220)	851874	100.000	103.56
49 4-Methyl-2-pentanone	43	6.220	6.220	(1.244)	1161431	200.000	197.81
50 Toluene	91	6.409	6.409	(0.838)	2408695	100.000	99.820
51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	712066	100.000	108.47
52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	681382	100.000	113.30
53 1,1,2-Trichloroethane	97	6.752	6.752	(0.882)	459508	100.000	98.820
54 1,3-Dichloropropane	76	6.894	6.894	(0.901)	887641	100.000	99.269
55 Tetrachloroethene	164	6.906	6.906	(0.903)	431637	100.000	100.66
56 2-Hexanone	43	6.965	6.965	(0.910)	1038194	200.000	207.39(A)
57 Dibromochloromethane	129	7.107	7.107	(0.929)	464843	100.000	103.32
58 1,2-Dibromoethane	107	7.226	7.226	(0.944)	457109	100.000	102.86
59 Chlorobenzene	112	7.675	7.675	(1.003)	1508558	100.000	97.693
60 1,1,1,2-Tetrachloroethane	131	7.746	7.746	(1.012)	471917	100.000	108.19
61 Ethylbenzene	106	7.770	7.770	(1.015)	823270	100.000	100.20
62 m + p-Xylene	106	7.876	7.876	(1.029)	2071395	200.000	201.78(A)
64 Xylene-o	106	8.255	8.255	(1.079)	1004203	100.000	100.81
65 Styrene	104	8.267	8.267	(1.080)	1768195	100.000	100.63
66 Bromoform	173	8.444	8.444	(1.104)	286046	100.000	105.07
67 Isopropylbenzene	105	8.610	8.610	(1.125)	2352000	100.000	102.53
68 1,1,2,2-Tetrachloroethane	83	8.870	8.870	(0.898)	597765	100.000	93.325
69 1,4-Dichloro-2-butene	53	8.929	8.929	(0.904)	169080	100.000	102.66
70 1,2,3-Trichloropropane	110	8.918	8.918	(0.903)	192013	100.000	91.734
71 Bromobenzene	156	8.906	8.906	(0.902)	647134	100.000	97.192
72 n-Propylbenzene	120	9.000	9.000	(0.911)	700340	100.000	100.77
73 2-Chlorotoluene	126	9.095	9.095	(0.921)	610644	100.000	95.066
74 1,3,5-Trimethylbenzene	105	9.166	9.166	(0.928)	2121546	100.000	99.075
75 4-Chlorotoluene	126	9.190	9.190	(0.930)	639576	100.000	97.194
76 tert-Butylbenzene	119	9.486	9.486	(0.960)	1772658	100.000	98.839
77 1,2,4-Trimethylbenzene	105	9.533	9.533	(0.965)	2181570	100.000	98.186
78 sec-Butylbenzene	105	9.710	9.710	(0.983)	2531280	100.000	102.28
79 4-Isopropyltoluene	119	9.841	9.841	(0.996)	2104310	100.000	99.586

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Report Date: 23-Jun-2005 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	1217916	100.000	95.405
81	1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	1257933	100.000	92.412
82	n-Butylbenzene	91	10.243	10.243	(1.037)	1944696	100.000	100.93
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	1181638	100.000	94.738
84	1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	104942	100.000	101.86
85	1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	794049	100.000	95.429
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	292012	100.000	96.187
87	Naphthalene	128	12.101	12.101	(1.225)	1743986	100.000	96.989
88	1,2,3-Trichlorobenzene	180	12.349	12.349	(1.250)	707170	100.000	93.182
98	Cyclohexane	56	4.540	4.540	(0.908)	805093	100.000	103.27
143	Methyl Acetate	43	2.954	2.954	(0.591)	1015246	200.000	193.68(A)
144	Methylcyclohexane	83	5.486	5.486	(1.097)	715342	100.000	104.89(A)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	856143	100.000	94.283(A)

QC Flag Legend

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



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Date : 22-JUN-2005 17:04
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Report Date: 23-Jun-2005 08:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Lab Smp Id: 50NG-IC
Inj Date : 22-JUN-2005 17:29
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:22 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 18:43 Cal File: UXX9123.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1	Fluorobenzene	96	5.004	5.004	(1.000)	1285598	50.0000	
* 2	Chlorobenzene-d5	117	7.643	7.643	(1.000)	913279	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.879	9.879	(1.000)	471535	50.0000	
$ 4	Dibromofluoromethane	113	4.436	4.436	(0.887)	248517	50.0000	50.357
$ 5	1,2-Dichloroethane-d4	65	4.720	4.720	(0.943)	323961	50.0000	49.375
$ 6	Toluene-d8	98	6.341	6.341	(0.830)	985062	50.0000	50.122
$ 7	Bromofluorobenzene	95	8.755	8.755	(1.146)	363936	50.0000	49.288
8	Dichlorodifluoromethane	85	1.490	1.490	(0.298)	212109	50.0000	54.062
9	Chloromethane	50	1.656	1.656	(0.331)	393285	50.0000	50.380
10	Vinyl Chloride	62	1.715	1.715	(0.343)	347917	50.0000	56.243
11	Bromomethane	94	1.975	1.975	(0.395)	201249	50.0000	52.430
12	Chloroethane	64	2.058	2.058	(0.411)	230408	50.0000	52.488
13	Trichlorofluoromethane	101	2.259	2.259	(0.451)	417738	50.0000	52.546
15	Acrolein	56	2.579	2.579	(0.515)	383011	500.000	518.57
16	Acetone	43	2.697	2.697	(0.539)	361723	100.000	95.326
17	1,1-Dichloroethene	96	2.673	2.673	(0.534)	282984	50.0000	54.222
18	Freon-113	151	2.673	2.673	(0.534)	194147	50.0000	54.584
19	Iodomethane	142	2.803	2.803	(0.560)	265811	50.0000	54.900
20	Carbon Disulfide	76	2.863	2.863	(0.572)	1053732	50.0000	53.740
21	Methylene Chloride	84	3.052	3.052	(0.610)	434070	50.0000	50.863
22	Acetonitrile	41	2.910	2.910	(0.582)	445123	500.000	484.47
23	Acrylonitrile	53	3.217	3.217	(0.643)	1047568	500.000	487.73

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Report Date: 23-Jun-2005 08:22

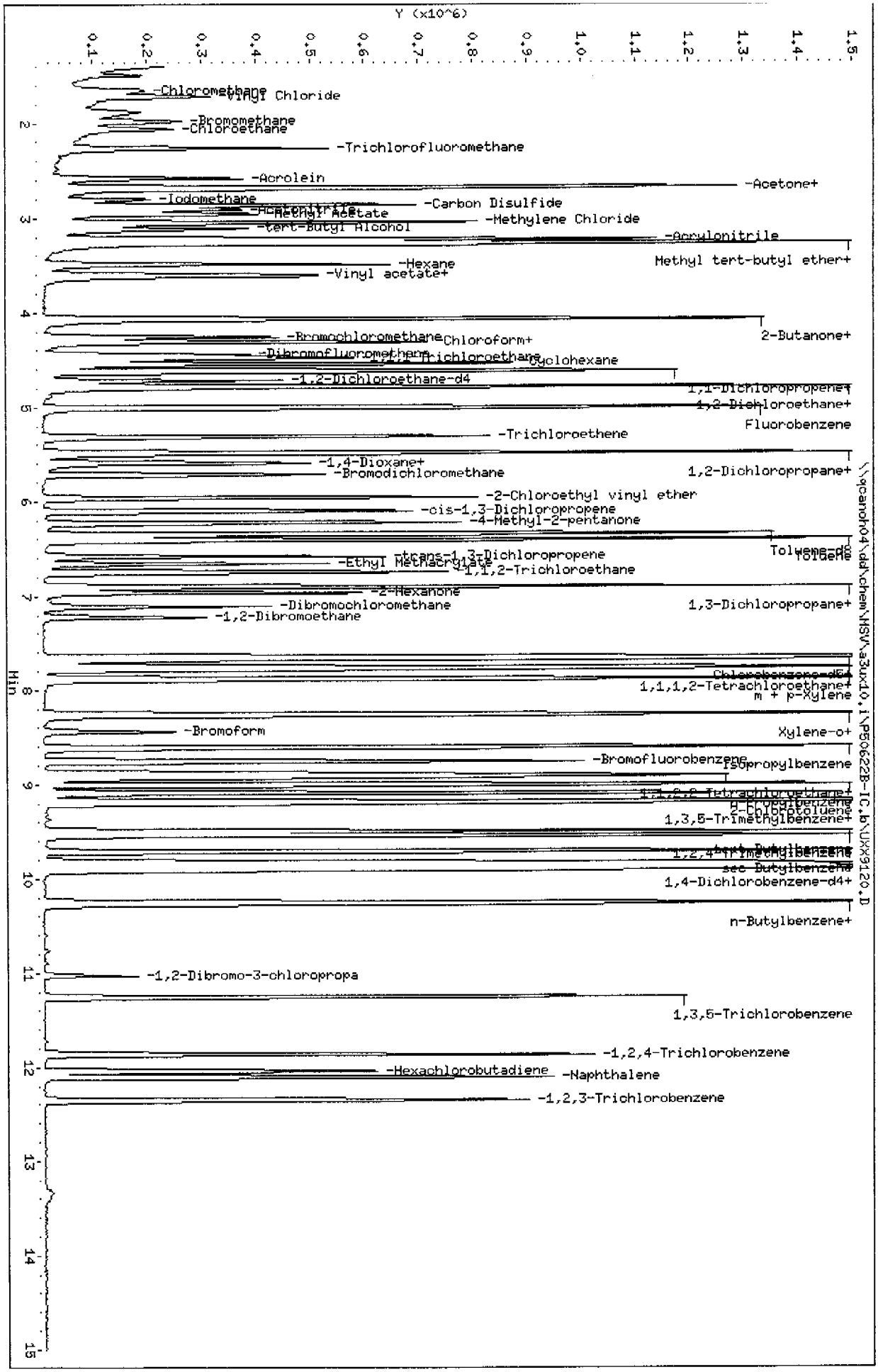
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.265	3.265	(0.652)	782236	50.0000	50.666
25 trans-1,2-Dichloroethene	96	3.265	3.265	(0.652)	269746	50.0000	49.782
26 Hexane	86	3.490	3.490	(0.697)	59107	50.0000	59.662
27 Vinyl acetate	43	3.620	3.620	(0.723)	465736	50.0000	54.534
28 1,1-Dichloroethane	63	3.596	3.596	(0.719)	502472	50.0000	50.614
29 tert-Butyl Alcohol	59	3.111	3.111	(0.622)	440486	1000.00	931.05
30 2-Butanone	43	4.058	4.058	(0.811)	375906	100.000	95.978
32 cis-1,2-dichloroethene	96	4.058	4.058	(0.811)	292268	50.0000	51.115
33 2,2-Dichloropropane	77	4.069	4.069	(0.813)	306836	50.0000	55.134
34 Bromochloromethane	128	4.259	4.259	(0.851)	129585	50.0000	49.619
35 Chloroform	83	4.306	4.306	(0.861)	474472	50.0000	50.903
36 Tetrahydrofuran	42	4.294	4.294	(0.858)	90275	50.0000	47.400
37 1,1,1-Trichloroethane	97	4.484	4.484	(0.896)	382761	50.0000	54.729
38 1,1-Dichloropropene	75	4.614	4.614	(0.922)	377625	50.0000	54.655
39 Carbon Tetrachloride	117	4.626	4.626	(0.924)	277315	50.0000	55.126
40 1,2-Dichloroethane	62	4.779	4.779	(0.955)	400363	50.0000	50.464
41 Benzene	78	4.779	4.779	(0.955)	1145110	50.0000	50.894
42 Trichloroethene	130	5.312	5.312	(1.061)	280388	50.0000	50.973
43 1,2-Dichloropropane	63	5.489	5.489	(1.097)	294357	50.0000	51.254
44 1,4-Dioxane	88	5.608	5.608	(1.121)	130122	2500.00	2359.0(A)
45 Dibromomethane	93	5.596	5.596	(1.118)	158905	50.0000	51.232
46 Bromodichloromethane	83	5.714	5.714	(1.142)	345820	50.0000	49.481
47 2-Chloroethyl vinyl ether	63	5.963	5.963	(1.192)	349418	100.000	102.08
48 cis-1,3-Dichloropropene	75	6.105	6.105	(1.220)	420111	50.0000	51.380
49 4-Methyl-2-pentanone	43	6.223	6.223	(1.244)	564893	100.000	96.789
50 Toluene	91	6.401	6.401	(0.837)	1228750	50.0000	50.954
51 trans-1,3-Dichloropropene	75	6.578	6.578	(0.861)	335443	50.0000	51.131
52 Ethyl Methacrylate	69	6.661	6.661	(0.872)	315390	50.0000	52.478
53 1,1,2-Trichloroethane	97	6.744	6.744	(0.882)	231638	50.0000	49.847
54 1,3-Dichloropropane	76	6.897	6.897	(0.902)	446301	50.0000	49.944
55 Tetrachloroethene	164	6.909	6.909	(0.904)	223809	50.0000	52.225
56 2-Hexanone	43	6.957	6.957	(0.910)	477441	100.000	95.434
57 Dibromochloromethane	129	7.110	7.110	(0.930)	227371	50.0000	50.568
58 1,2-Dibromoethane	107	7.217	7.217	(0.944)	231234	50.0000	52.065
59 Chlorobenzene	112	7.678	7.678	(1.005)	764094	50.0000	49.514
60 1,1,1,2-Tetrachloroethane	131	7.749	7.749	(1.014)	222819	50.0000	51.116
61 Ethylbenzene	106	7.773	7.773	(1.017)	422945	50.0000	51.508
62 m + p-Xylene	106	7.880	7.880	(1.031)	1051292	100.000	102.48
64 Xylene-o	106	8.258	8.258	(1.081)	513926	50.0000	51.624
65 Styrene	104	8.270	8.270	(1.082)	893743	50.0000	50.896
66 Bromoform	173	8.448	8.448	(1.105)	135105	50.0000	49.660
67 Isopropylbenzene	105	8.601	8.601	(1.125)	1218036	50.0000	53.132
68 1,1,2,2-Tetrachloroethane	83	8.874	8.874	(0.898)	299046	50.0000	48.115
69 1,4-Dichloro-2-butene	53	8.933	8.933	(0.904)	83402	50.0000	52.187
70 1,2,3-Trichloropropane	110	8.921	8.921	(0.903)	97665	50.0000	48.086
71 Bromobenzene	156	8.897	8.897	(0.901)	328299	50.0000	50.814
72 n-Propylbenzene	120	9.004	9.004	(0.911)	348467	50.0000	51.673
73 2-Chlorotoluene	126	9.087	9.087	(0.920)	308116	50.0000	49.434
74 1,3,5-Trimethylbenzene	105	9.169	9.169	(0.928)	1077603	50.0000	51.862
75 4-Chlorotoluene	126	9.193	9.193	(0.931)	326040	50.0000	51.061
76 tert-Butylbenzene	119	9.489	9.489	(0.960)	910819	50.0000	52.337
77 1,2,4-Trimethylbenzene	105	9.536	9.536	(0.965)	1090649	50.0000	50.587
78 sec-Butylbenzene	105	9.702	9.702	(0.982)	1273762	50.0000	53.044
79 4-Isopropyltoluene	119	9.844	9.844	(0.996)	1056270	50.0000	51.516

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Report Date: 23-Jun-2005 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.820	9.820	(0.994)	607000	50.0000	49.002
81	1,4-Dichlorobenzene	146	9.903	9.903	(1.002)	632633	50.0000	47.896
82	n-Butylbenzene	91	10.246	10.246	(1.037)	978878	50.0000	52.356
83	1,2-Dichlorobenzene	146	10.270	10.270	(1.040)	588952	50.0000	48.663
84	1,2-Dibromo-3-chloropropane	157	11.027	11.027	(1.116)	48836	50.0000	48.848
85	1,2,4-Trichlorobenzene	180	11.867	11.867	(1.201)	404624	50.0000	50.114
86	Hexachlorobutadiene	225	12.045	12.045	(1.219)	145455	50.0000	49.376
87	Naphthalene	128	12.104	12.104	(1.225)	839143	50.0000	48.094
88	1,2,3-Trichlorobenzene	180	12.352	12.352	(1.250)	351973	50.0000	47.796
98	Cyclohexane	56	4.543	4.543	(0.908)	435751	50.0000	56.228
143	Methyl Acetate	43	2.957	2.957	(0.591)	507198	100.000	97.338(A)
144	Methylcyclohexane	83	5.489	5.489	(1.097)	390392	50.0000	57.587(A)
141	1,3,5-Trichlorobenzene	180	11.252	11.252	(1.139)	429412	50.0000	48.734(A)

QC Flag Legend

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



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Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

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Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Report Date: 23-Jun-2005 08:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Lab Smp Id: 25NG-IC
Inj Date : 22-JUN-2005 17:54
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:22 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 17:04 Cal File: UXX9119.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	5.002	5.002	(1.000)	1270042	50.0000	
* 2	Chlorobenzene-d5	117	7.652	7.652	(1.000)	905727	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	468624	50.0000	
$ 4	Dibromofluoromethane	113	4.446	4.446	(0.889)	114589	25.0000	23.503
$ 5	1,2-Dichloroethane-d4	65	4.718	4.718	(0.943)	162152	25.0000	25.016
$ 6	Toluene-d8	98	6.351	6.351	(0.830)	478211	25.0000	24.535
$ 7	Bromofluorobenzene	95	8.753	8.753	(1.144)	183312	25.0000	25.033
8	Dichlorodifluoromethane	85	1.487	1.487	(0.297)	110094	25.0000	28.404
9	Chloromethane	50	1.665	1.665	(0.333)	198475	25.0000	25.736
10	Vinyl Chloride	62	1.712	1.712	(0.342)	159682	25.0000	26.130
11	Bromomethane	94	1.973	1.973	(0.394)	90172	25.0000	23.780
12	Chloroethane	64	2.055	2.055	(0.411)	109550	25.0000	25.262
13	Trichlorofluoromethane	101	2.257	2.257	(0.451)	204822	25.0000	26.080
15	Acrolein	56	2.576	2.576	(0.515)	188222	250.000	257.96
16	Acetone	43	2.694	2.694	(0.539)	163627	50.0000	35.048
17	1,1-Dichloroethene	96	2.671	2.671	(0.534)	123763	25.0000	24.004
18	Freon-113	151	2.671	2.671	(0.534)	83619	25.0000	23.797
19	Iodomethane	142	2.801	2.801	(0.560)	121069	25.0000	25.312
20	Carbon Disulfide	76	2.860	2.860	(0.572)	472845	25.0000	24.410
21	Methylene Chloride	84	3.049	3.049	(0.610)	260415	25.0000	24.540
22	Acetonitrile	41	2.907	2.907	(0.581)	215759	250.000	237.71
23	Acrylonitrile	53	3.227	3.227	(0.645)	508557	250.000	239.68

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Report Date: 23-Jun-2005 08:22

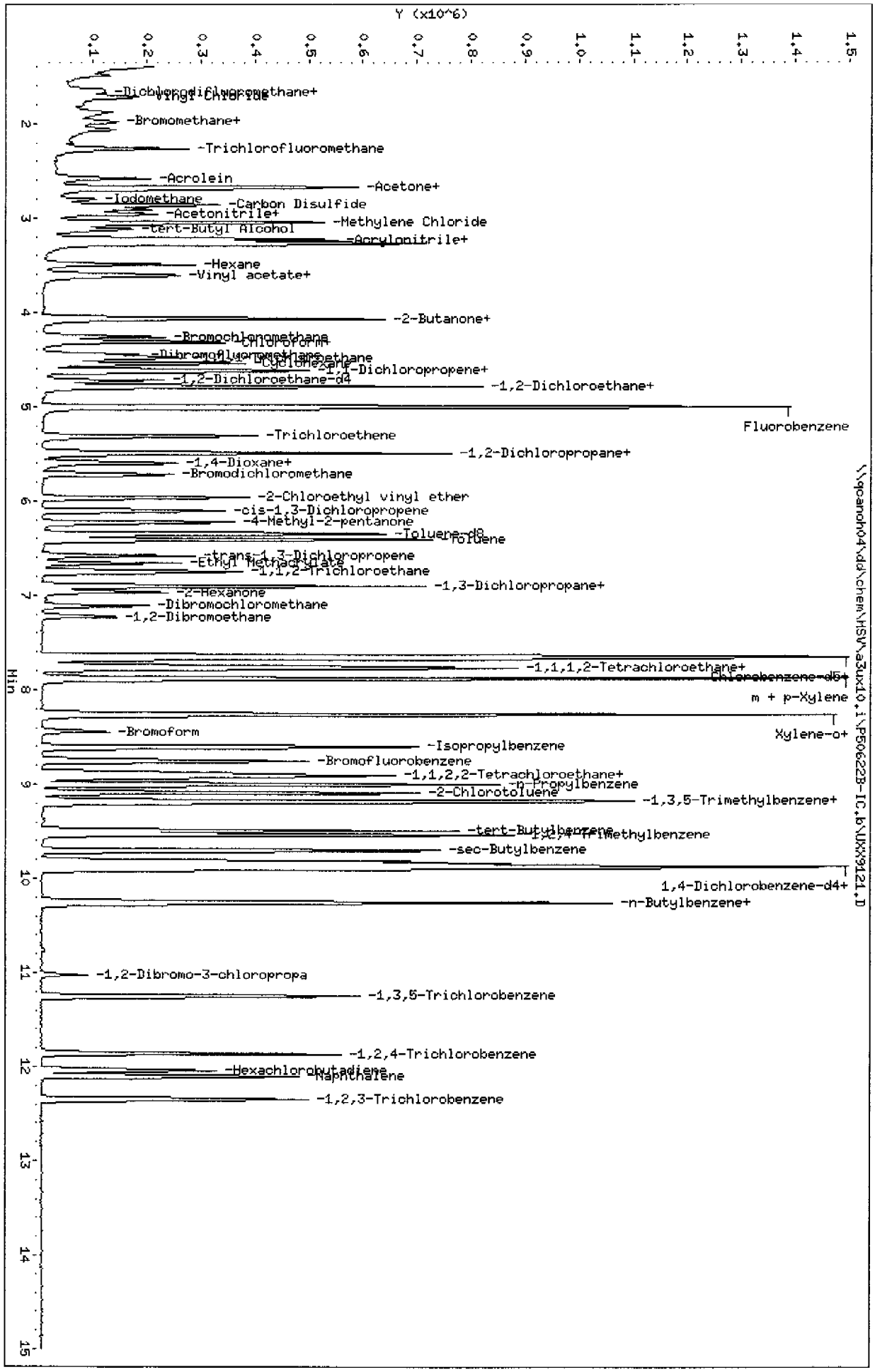
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
24 Methyl tert-butyl ether	73	3.262	3.262	(0.652)	367895	25.0000	24.121
25 trans-1,2-Dichloroethene	96	3.274	3.274	(0.655)	133854	25.0000	25.005
26 Hexane	86	3.487	3.487	(0.697)	22307	25.0000	22.792
27 Vinyl acetate	43	3.629	3.629	(0.726)	207996	25.0000	24.653
28 1,1-Dichloroethane	63	3.594	3.594	(0.719)	241221	25.0000	24.596
29 tert-Butyl Alcohol	59	3.120	3.120	(0.624)	207118	500.000	424.58
30 2-Butanone	43	4.055	4.055	(0.811)	148725	50.0000	38.438
32 cis-1,2-dichloroethene	96	4.067	4.067	(0.813)	139471	25.0000	24.691
33 2,2-Dichloropropane	77	4.067	4.067	(0.813)	135832	25.0000	24.706
34 Bromochloromethane	128	4.256	4.256	(0.851)	62701	25.0000	24.302
35 Chloroform	83	4.315	4.315	(0.863)	228930	25.0000	24.861
36 Tetrahydrofuran	42	4.304	4.304	(0.860)	45009	25.0000	23.922
37 1,1,1-Trichloroethane	97	4.481	4.481	(0.896)	166883	25.0000	24.154
38 1,1-Dichloropropene	75	4.611	4.611	(0.922)	164895	25.0000	24.158
39 Carbon Tetrachloride	117	4.623	4.623	(0.924)	114995	25.0000	23.139
40 1,2-Dichloroethane	62	4.777	4.777	(0.955)	197190	25.0000	25.159
41 Benzene	78	4.777	4.777	(0.955)	550662	25.0000	24.774
42 Trichloroethene	130	5.309	5.309	(1.062)	135002	25.0000	24.843
43 1,2-Dichloropropane	63	5.487	5.487	(1.097)	142055	25.0000	25.038
44 1,4-Dioxane	88	5.605	5.605	(1.121)	67734	1250.00	1243.0(A)
45 Dibromomethane	93	5.593	5.593	(1.118)	76359	25.0000	24.920
46 Bromodichloromethane	83	5.712	5.712	(1.142)	168869	25.0000	24.458
47 2-Chloroethyl vinyl ether	63	5.960	5.960	(1.192)	171264	50.0000	50.649
48 cis-1,3-Dichloropropene	75	6.102	6.102	(1.220)	198284	25.0000	24.547
49 4-Methyl-2-pentanone	43	6.221	6.221	(1.244)	275013	50.0000	47.698
50 Toluene	91	6.410	6.410	(0.838)	588421	25.0000	24.604
51 trans-1,3-Dichloropropene	75	6.576	6.576	(0.859)	160025	25.0000	24.596
52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	144297	25.0000	24.210
53 1,1,2-Trichloroethane	97	6.741	6.741	(0.881)	117582	25.0000	25.514
54 1,3-Dichloropropane	76	6.895	6.895	(0.901)	221735	25.0000	25.020
55 Tetrachloroethene	164	6.907	6.907	(0.903)	101672	25.0000	23.922
56 2-Hexanone	43	6.966	6.966	(0.910)	199322	50.0000	40.174
57 Dibromochloromethane	129	7.108	7.108	(0.929)	106735	25.0000	23.936
58 1,2-Dibromoethane	107	7.226	7.226	(0.944)	110262	25.0000	25.034
59 Chlorobenzene	112	7.676	7.676	(1.003)	378886	25.0000	24.757
60 1,1,1,2-Tetrachloroethane	131	7.747	7.747	(1.012)	105242	25.0000	24.344
61 Ethylbenzene	106	7.771	7.771	(1.015)	205177	25.0000	25.196
62 m + p-Xylene	106	7.877	7.877	(1.029)	507192	50.0000	49.851
64 Xylene-o	106	8.256	8.256	(1.079)	246825	25.0000	25.000
65 Styrene	104	8.268	8.268	(1.080)	435043	25.0000	24.981
66 Bromoform	173	8.445	8.445	(1.104)	66339	25.0000	24.587
67 Isopropylbenzene	105	8.611	8.611	(1.125)	558312	25.0000	24.557
68 1,1,2,2-Tetrachloroethane	83	8.871	8.871	(0.898)	150488	25.0000	24.363
69 1,4-Dichloro-2-butene	53	8.930	8.930	(0.904)	36557	25.0000	23.017
70 1,2,3-Trichloropropane	110	8.918	8.918	(0.903)	52984	25.0000	26.249
71 Bromobenzene	156	8.907	8.907	(0.902)	157418	25.0000	24.516
72 n-Propylbenzene	120	9.001	9.001	(0.911)	164487	25.0000	24.543
73 2-Chlorotoluene	126	9.084	9.084	(0.920)	153987	25.0000	24.859
74 1,3,5-Trimethylbenzene	105	9.167	9.167	(0.928)	510137	25.0000	24.704
75 4-Chlorotoluene	126	9.191	9.191	(0.931)	162129	25.0000	25.549
76 tert-Butylbenzene	119	9.486	9.486	(0.960)	424838	25.0000	24.564
77 1,2,4-Trimethylbenzene	105	9.534	9.534	(0.965)	526567	25.0000	24.575
78 sec-Butylbenzene	105	9.699	9.699	(0.982)	592825	25.0000	24.841
79 4-Isopropyltoluene	119	9.841	9.841	(0.996)	504846	25.0000	24.775

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Report Date: 23-Jun-2005 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.818	9.818	(0.994)	305339	25.0000	24.803
81	1,4-Dichlorobenzene	146	9.901	9.901	(1.002)	324422	25.0000	24.714
82	n-Butylbenzene	91	10.244	10.244	(1.037)	459080	25.0000	24.707
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	295837	25.0000	24.596
84	1,2-Dibromo-3-chloropropane	157	11.025	11.025	(1.116)	23111	25.0000	23.260
85	1,2,4-Trichlorobenzene	180	11.865	11.865	(1.201)	195198	25.0000	24.326
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	72596	25.0000	24.797
87	Naphthalene	128	12.101	12.101	(1.225)	428731	25.0000	24.724
88	1,2,3-Trichlorobenzene	180	12.350	12.350	(1.250)	181014	25.0000	24.734
98	Cyclohexane	56	4.540	4.540	(0.908)	182038	25.0000	23.777
143	Methyl Acetate	43	2.955	2.955	(0.591)	251620	50.0000	48.881(A)
144	Methylcyclohexane	83	5.487	5.487	(1.097)	154772	25.0000	23.110(A)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	220878	25.0000	25.223(A)

QC Flag Legend

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



Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P506228-IC.b\UXX9121.D
Date : 22-JUN-2005 17:54
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Report Date: 23-Jun-2005 08:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Lab Smp Id: 10NG-IC
Inj Date : 22-JUN-2005 18:18
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:52 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 17:29 Cal File: UXX9120.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	5.002	5.002	(1.000)	1292714	50.0000	
*	2 Chlorobenzene-d5	117	7.653	7.653	(1.000)	920443	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	462420	50.0000	
$	4 Dibromofluoromethane	113	4.446	4.446	(0.889)	49051	10.0000	9.884
$	5 1,2-Dichloroethane-d4	65	4.718	4.718	(0.943)	66774	10.0000	10.121
$	6 Toluene-d8	98	6.351	6.351	(0.830)	198063	10.0000	9.999
$	7 Bromofluorobenzene	95	8.753	8.753	(1.144)	77118	10.0000	10.363
	8 Dichlorodifluoromethane	85	1.488	1.488	(0.298)	28246	10.0000	8.331
	9 Chloromethane	50	1.630	1.630	(0.326)	80817	10.0000	10.296
	10 Vinyl Chloride	62	1.713	1.713	(0.342)	54129	10.0000	8.702
	11 Bromomethane	94	1.985	1.985	(0.397)	38104	10.0000	9.872
	12 Chloroethane	64	2.056	2.056	(0.411)	39779	10.0000	9.012
	13 Trichlorofluoromethane	101	2.257	2.257	(0.451)	73625	10.0000	9.210
	15 Acrolein	56	2.577	2.577	(0.515)	74368	100.000	100.14
	16 Acetone	43	2.695	2.695	(0.539)	121977	20.0000	21.422
	17 1,1-Dichloroethene	96	2.671	2.671	(0.534)	49600	10.0000	9.451
	18 Freon-113	151	2.671	2.671	(0.534)	34090	10.0000	9.532
	19 Iodomethane	142	2.801	2.801	(0.560)	44916	10.0000	9.226
	20 Carbon Disulfide	76	2.861	2.861	(0.572)	188261	10.0000	9.548
	21 Methylene Chloride	84	3.050	3.050	(0.610)	166569	10.0000	9.415
	22 Acetonitrile	41	2.908	2.908	(0.581)	99727	100.000	107.94
	23 Acrylonitrile	53	3.227	3.227	(0.645)	207112	100.000	95.898

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Report Date: 23-Jun-2005 08:52

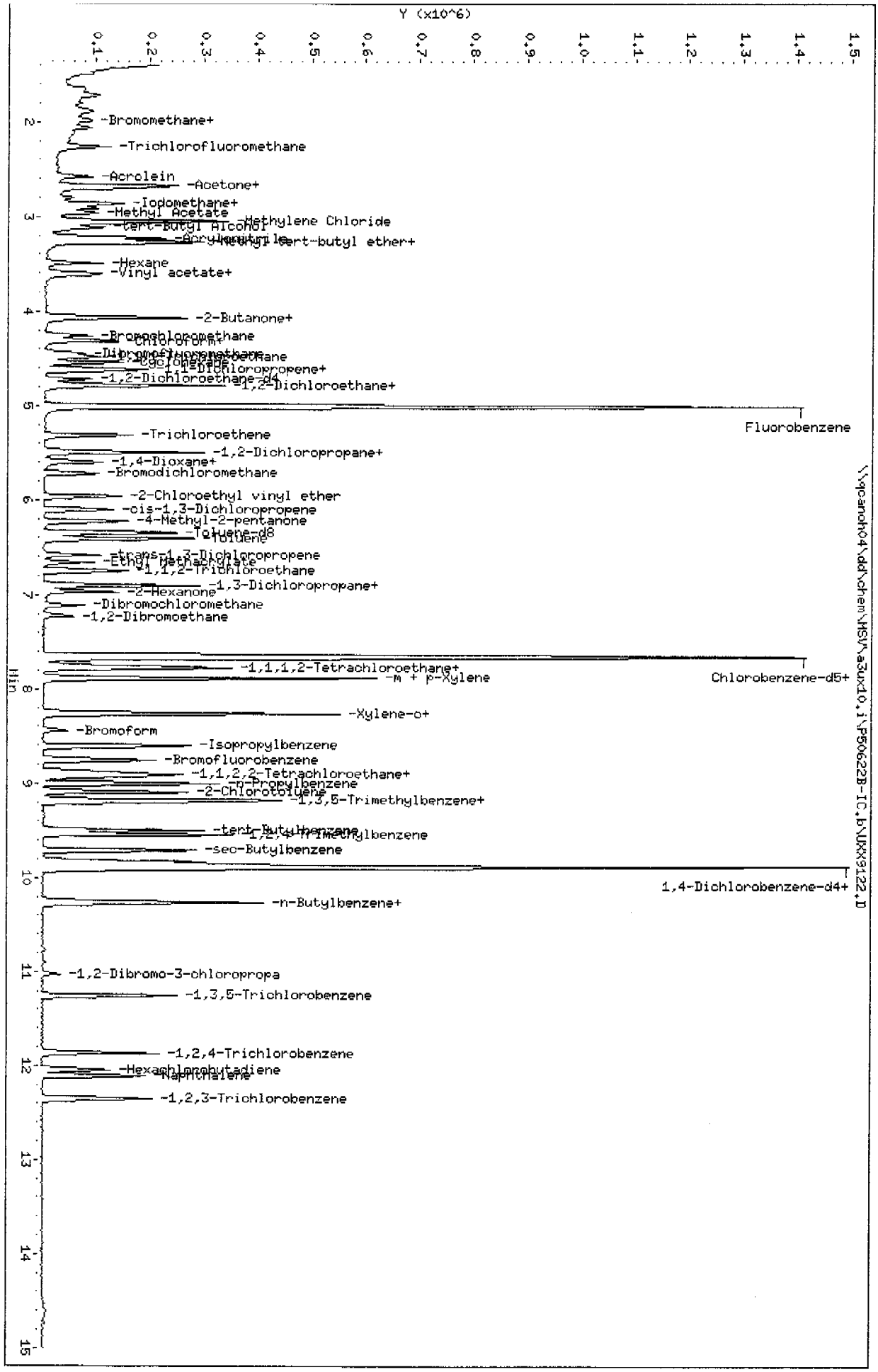
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.263	3.263	(0.652)	151923	10.0000	9.786
25	trans-1,2-Dichloroethene	96	3.263	3.263	(0.652)	51795	10.0000	9.506
26	Hexane	86	3.488	3.488	(0.697)	9606	10.0000	9.643
27	Vinyl acetate	43	3.618	3.618	(0.723)	75437	10.0000	8.784
28	1,1-Dichloroethane	63	3.594	3.594	(0.719)	101691	10.0000	10.187
29	tert-Butyl Alcohol	59	3.121	3.121	(0.624)	106079	200.000	196.04
30	2-Butanone	43	4.056	4.056	(0.811)	90807	20.0000	23.058
32	cis-1,2-dichloroethene	96	4.068	4.068	(0.813)	54689	10.0000	9.512
33	2,2-Dichloropropane	77	4.068	4.068	(0.813)	50409	10.0000	9.008
34	Bromochloromethane	128	4.257	4.257	(0.851)	27335	10.0000	10.409
35	Chloroform	83	4.316	4.316	(0.863)	94212	10.0000	10.052
36	Tetrahydrofuran	42	4.304	4.304	(0.860)	22129	10.0000	11.555
37	1,1,1-Trichloroethane	97	4.482	4.482	(0.896)	65422	10.0000	9.303
38	1,1-Dichloropropene	75	4.612	4.612	(0.922)	65146	10.0000	9.377
39	Carbon Tetrachloride	117	4.624	4.624	(0.924)	42636	10.0000	8.429
40	1,2-Dichloroethane	62	4.777	4.777	(0.955)	78151	10.0000	9.796
41	Benzene	78	4.777	4.777	(0.955)	221482	10.0000	9.790
42	Trichloroethene	130	5.310	5.310	(1.061)	52387	10.0000	9.471
43	1,2-Dichloropropane	63	5.487	5.487	(1.097)	54666	10.0000	9.466
44	1,4-Dioxane	88	5.606	5.606	(1.121)	29035	500.000	523.49(A)
45	Dibromomethane	93	5.594	5.594	(1.118)	29901	10.0000	9.587
46	Bromodichloromethane	83	5.712	5.712	(1.142)	69416	10.0000	9.878
47	2-Chloroethyl vinyl ether	63	5.961	5.961	(1.192)	63924	20.0000	18.573
48	cis-1,3-Dichloropropene	75	6.103	6.103	(1.220)	77734	10.0000	9.454
49	4-Methyl-2-pentanone	43	6.221	6.221	(1.244)	122682	20.0000	20.905
50	Toluene	91	6.410	6.410	(0.838)	239060	10.0000	9.836
51	trans-1,3-Dichloropropene	75	6.576	6.576	(0.859)	59181	10.0000	8.951
52	Ethyl Methacrylate	69	6.659	6.659	(0.870)	51774	10.0000	8.548
53	1,1,2-Trichloroethane	97	6.742	6.742	(0.881)	46108	10.0000	9.845
54	1,3-Dichloropropane	76	6.896	6.896	(0.901)	85427	10.0000	9.485
55	Tetrachloroethene	164	6.907	6.907	(0.903)	41180	10.0000	9.534
56	2-Hexanone	43	6.967	6.967	(0.910)	110989	20.0000	22.012
57	Dibromochloromethane	129	7.109	7.109	(0.929)	43823	10.0000	9.670
58	1,2-Dibromoethane	107	7.227	7.227	(0.944)	43858	10.0000	9.798
59	Chlorobenzene	112	7.677	7.677	(1.003)	152449	10.0000	9.802
60	1,1,1,2-Tetrachloroethane	131	7.748	7.748	(1.012)	39171	10.0000	8.916
61	Ethylbenzene	106	7.771	7.771	(1.015)	80580	10.0000	9.737
62	m + p-Xylene	106	7.878	7.878	(1.029)	196569	20.0000	19.012
64	Xylene-o	106	8.256	8.256	(1.079)	99508	10.0000	9.918
65	Styrene	104	8.268	8.268	(1.080)	170223	10.0000	9.618
66	Bromoform	173	8.446	8.446	(1.104)	24734	10.0000	9.021
67	Isopropylbenzene	105	8.599	8.599	(1.124)	215147	10.0000	9.312
68	1,1,2,2-Tetrachloroethane	83	8.872	8.872	(0.898)	60493	10.0000	9.925
69	1,4-Dichloro-2-butene	53	8.931	8.931	(0.904)	15356	10.0000	9.798
70	1,2,3-Trichloropropane	110	8.919	8.919	(0.903)	20257	10.0000	10.170
71	Bromobenzene	156	8.907	8.907	(0.902)	63731	10.0000	10.059
72	n-Propylbenzene	120	9.002	9.002	(0.911)	67256	10.0000	10.170
73	2-Chlorotoluene	126	9.085	9.085	(0.920)	61843	10.0000	10.118
74	1,3,5-Trimethylbenzene	105	9.167	9.167	(0.928)	200731	10.0000	9.851
75	4-Chlorotoluene	126	9.191	9.191	(0.931)	57671	10.0000	9.210
76	tert-Butylbenzene	119	9.487	9.487	(0.960)	166518	10.0000	9.757
77	1,2,4-Trimethylbenzene	105	9.534	9.534	(0.965)	216557	10.0000	10.242
78	sec-Butylbenzene	105	9.700	9.700	(0.982)	224098	10.0000	9.516
79	4-Isopropyltoluene	119	9.842	9.842	(0.996)	195810	10.0000	9.738

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Report Date: 23-Jun-2005 08:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.818	9.818	(0.994)	122854	10.0000	10.113
81	1,4-Dichlorobenzene	146	9.901	9.901	(1.002)	134702	10.0000	10.399
82	n-Butylbenzene	91	10.244	10.244	(1.037)	179865	10.0000	9.810
83	1,2-Dichlorobenzene	146	10.268	10.268	(1.040)	123347	10.0000	10.392
84	1,2-Dibromo-3-chloropropane	157	11.037	11.037	(1.117)	9353	10.0000	9.540
85	1,2,4-Trichlorobenzene	180	11.865	11.865	(1.201)	80213	10.0000	10.130
86	Hexachlorobutadiene	225	12.043	12.043	(1.219)	28978	10.0000	10.031
87	Naphthalene	128	12.102	12.102	(1.225)	182560	10.0000	10.669
88	1,2,3-Trichlorobenzene	180	12.350	12.350	(1.250)	74200	10.0000	10.275
98	Cyclohexane	56	4.541	4.541	(0.908)	71342	10.0000	9.155
143	Methyl Acetate	43	2.955	2.955	(0.591)	110976	20.0000	21.180(A)
144	Methylcyclohexane	83	5.487	5.487	(1.097)	61306	10.0000	8.994(A)
141	1,3,5-Trichlorobenzene	180	11.250	11.250	(1.139)	91462	10.0000	10.585(A)

QC Flag Legend

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


Y (x10^6)
Min
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile
-Methyl tert-butyl ether+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10,i\P50622B-IC,b\UX%122,D
Data File: \\qcanoh04\dd\chem\MSV\a3ux10,i\P50622B-IC,b\UX%122,D
Date : 22-JUN-2005 18:18
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10,i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Report Date: 23-Jun-2005 08:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Lab Smp Id: 5NG-IC
Inj Date : 22-JUN-2005 18:43
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:22 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 18:18 Cal File: UXX9122.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	5.001	5.001	(1.000)	1266809	50.0000	
* 2	Chlorobenzene-d5	117	7.652	7.652	(1.000)	892952	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.876	9.876	(1.000)	453232	50.0000	
$ 4	Dibromofluoromethane	113	4.445	4.445	(0.889)	25223	5.00000	5.187
$ 5	1,2-Dichloroethane-d4	65	4.717	4.717	(0.943)	34046	5.00000	5.266
$ 6	Toluene-d8	98	6.350	6.350	(0.830)	93202	5.00000	4.850
$ 7	Bromofluorobenzene	95	8.752	8.752	(1.144)	35303	5.00000	4.890
8	Dichlorodifluoromethane	85	1.487	1.487	(0.297)	13777	5.00000	3.564
9	Chloromethane	50	1.629	1.629	(0.326)	38081	5.00000	4.950
10	Vinyl Chloride	62	1.712	1.712	(0.342)	26415	5.00000	4.333
11	Bromomethane	94	1.984	1.984	(0.397)	16324	5.00000	4.316
12	Chloroethane	64	2.055	2.055	(0.411)	16955	5.00000	3.920
13	Trichlorofluoromethane	101	2.256	2.256	(0.451)	32639	5.00000	4.166
15	Acrolein	56	2.575	2.575	(0.515)	35317	50.0000	48.526
16	Acetone	43	2.694	2.694	(0.539)	90655	10.0000	12.414
17	1,1-Dichloroethene	96	2.670	2.670	(0.534)	24823	5.00000	4.827
18	Freon-113	151	2.670	2.670	(0.534)	15106	5.00000	4.310
19	Iodomethane	142	2.800	2.800	(0.560)	19003	5.00000	3.983
20	Carbon Disulfide	76	2.859	2.859	(0.572)	91391	5.00000	4.730
21	Methylene Chloride	84	3.049	3.049	(0.610)	137316	5.00000	5.354
22	Acetonitrile	41	2.907	2.907	(0.581)	51253	50.0000	56.611
23	Acrylonitrile	53	3.226	3.226	(0.645)	120092	50.0000	56.742

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Report Date: 23-Jun-2005 08:22

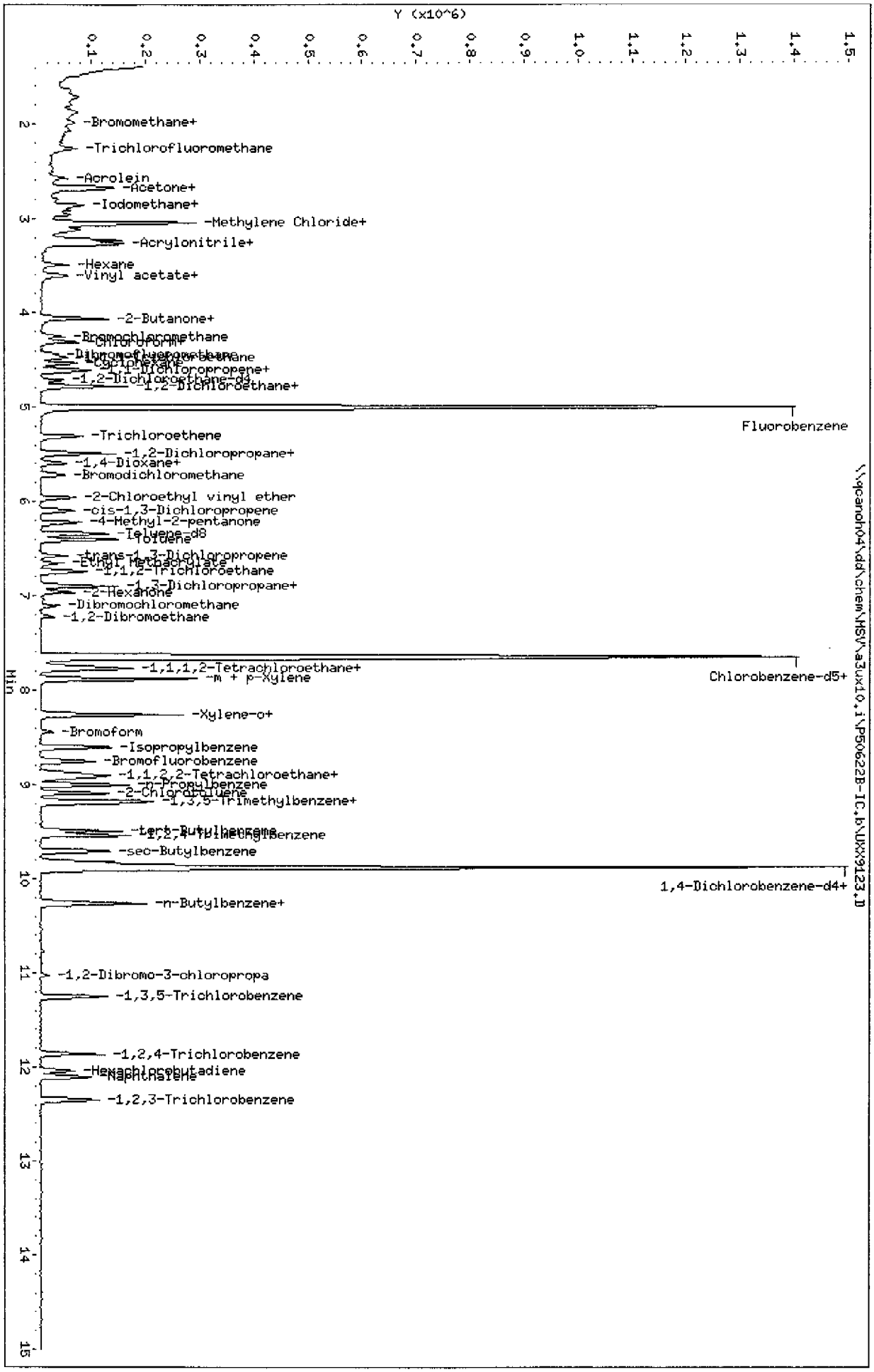
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.262	3.262	(0.652)	78392	5.00000	5.153
25 trans-1,2-Dichloroethene	96	3.274	3.274	(0.655)	27328	5.00000	5.118
26 Hexane	86	3.487	3.487	(0.697)	3880	5.00000	3.974
27 Vinyl acetate	43	3.629	3.629	(0.726)	33950	5.00000	4.034
28 1,1-Dichloroethane	63	3.605	3.605	(0.721)	47422	5.00000	4.848
29 tert-Butyl Alcohol	59	3.120	3.120	(0.624)	71452	100.000	123.67
30 2-Butanone	43	4.055	4.055	(0.811)	44480	10.0000	11.525
32 cis-1,2-dichloroethene	96	4.066	4.066	(0.813)	28307	5.00000	5.024
33 2,2-Dichloropropane	77	4.066	4.066	(0.813)	20852	5.00000	3.802
34 Bromochloromethane	128	4.256	4.256	(0.851)	13198	5.00000	5.128
35 Chloroform	83	4.315	4.315	(0.863)	43523	5.00000	4.738
36 Tetrahydrofuran	42	4.303	4.303	(0.860)	10565	5.00000	5.630
37 1,1,1-Trichloroethane	97	4.480	4.480	(0.896)	30635	5.00000	4.445
38 1,1-Dichloropropene	75	4.611	4.611	(0.922)	30799	5.00000	4.524
39 Carbon Tetrachloride	117	4.622	4.622	(0.924)	21348	5.00000	4.307
40 1,2-Dichloroethane	62	4.776	4.776	(0.955)	38120	5.00000	4.876
41 Benzene	78	4.776	4.776	(0.955)	109303	5.00000	4.930
42 Trichloroethene	130	5.309	5.309	(1.062)	27724	5.00000	5.115
43 1,2-Dichloropropane	63	5.486	5.486	(1.097)	27597	5.00000	4.876
44 1,4-Dioxane	88	5.605	5.605	(1.121)	15312	250.000	281.71(A)
45 Dibromomethane	93	5.593	5.593	(1.118)	14657	5.00000	4.796
46 Bromodichloromethane	83	5.723	5.723	(1.144)	34435	5.00000	5.000
47 2-Chloroethyl vinyl ether	63	5.960	5.960	(1.192)	30818	10.0000	9.137
48 cis-1,3-Dichloropropene	75	6.102	6.102	(1.220)	36824	5.00000	4.570
49 4-Methyl-2-pentanone	43	6.220	6.220	(1.244)	58722	10.0000	10.211
50 Toluene	91	6.409	6.409	(0.838)	117818	5.00000	4.997
51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	27778	5.00000	4.330
52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	24719	5.00000	4.207
53 1,1,2-Trichloroethane	97	6.741	6.741	(0.881)	23182	5.00000	5.102
54 1,3-Dichloropropane	76	6.894	6.894	(0.901)	45356	5.00000	5.191
55 Tetrachloroethene	164	6.906	6.906	(0.903)	21700	5.00000	5.179
56 2-Hexanone	43	6.965	6.965	(0.910)	52437	10.0000	10.720
57 Dibromochloromethane	129	7.107	7.107	(0.929)	21046	5.00000	4.787
58 1,2-Dibromoethane	107	7.226	7.226	(0.944)	19912	5.00000	4.585
59 Chlorobenzene	112	7.675	7.675	(1.003)	80378	5.00000	5.327
60 1,1,1,2-Tetrachloroethane	131	7.746	7.746	(1.012)	19230	5.00000	4.512
61 Ethylbenzene	106	7.770	7.770	(1.015)	38747	5.00000	4.826
62 m + p-Xylene	106	7.876	7.876	(1.029)	98975	10.0000	9.867
64 Xylene-o	106	8.255	8.255	(1.079)	44755	5.00000	4.598
65 Styrene	104	8.267	8.267	(1.080)	83357	5.00000	4.855
66 Bromoform	173	8.444	8.444	(1.104)	12489	5.00000	4.695
67 Isopropylbenzene	105	8.610	8.610	(1.125)	107121	5.00000	4.779
68 1,1,2,2-Tetrachloroethane	83	8.870	8.870	(0.898)	36119	5.00000	6.046
69 1,4-Dichloro-2-butene	53	8.930	8.930	(0.904)	7718	5.00000	5.024
70 1,2,3-Trichloropropane	110	8.930	8.930	(0.904)	11055	5.00000	5.663
71 Bromobenzene	156	8.906	8.906	(0.902)	32099	5.00000	5.169
72 n-Propylbenzene	120	9.001	9.001	(0.911)	31227	5.00000	4.818
73 2-Chlorotoluene	126	9.095	9.095	(0.921)	32602	5.00000	5.442
74 1,3,5-Trimethylbenzene	105	9.166	9.166	(0.928)	97943	5.00000	4.904
75 4-Chlorotoluene	126	9.190	9.190	(0.930)	32561	5.00000	5.305
76 tert-Butylbenzene	119	9.486	9.486	(0.960)	84499	5.00000	5.052
77 1,2,4-Trimethylbenzene	105	9.533	9.533	(0.965)	103547	5.00000	4.997
78 sec-Butylbenzene	105	9.711	9.711	(0.983)	109481	5.00000	4.743
79 4-Isopropyltoluene	119	9.841	9.841	(0.996)	96891	5.00000	4.916

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Report Date: 23-Jun-2005 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	64844	5.00000	5.446
81	1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	72349	5.00000	5.699
82	n-Butylbenzene	91	10.243	10.243	(1.037)	85366	5.00000	4.750
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	63322	5.00000	5.443
84	1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	5426	5.00000	5.646
85	1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	43826	5.00000	5.647
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	15867	5.00000	5.604
87	Naphthalene	128	12.101	12.101	(1.225)	94904	5.00000	5.659
88	1,2,3-Trichlorobenzene	180	12.349	12.349	(1.250)	43237	5.00000	6.108
98	Cyclohexane	56	4.540	4.540	(0.908)	32800	5.00000	4.295(a)
143	Methyl Acetate	43	2.954	2.954	(0.591)	54816	10.0000	10.676(A)
144	Methylcyclohexane	83	5.486	5.486	(1.097)	28108	5.00000	4.208(aA)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	45584	5.00000	5.382(A)

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.



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Date : 22-JUN-2005 18:43
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Lab Smp Id: ICV
Inj Date : 22-JUN-2005 19:08
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 10:25 quayler Quant Type: ISTD
Cal Date : 22-JUN-2005 17:29 Cal File: UXX9120.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.002	5.004	(1.000)	1290745	50.0000	
* 2	Chlorobenzene-d5	117	7.653	7.643	(1.000)	916582	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.878	9.879	(1.000)	470830	50.0000	
$ 4	Dibromofluoromethane	113	4.446	4.436	(0.889)	239152	48.2659	9.653
$ 5	1,2-Dichloroethane-d4	65	4.719	4.720	(0.943)	329106	49.9594	9.992
$ 6	Toluene-d8	98	6.340	6.341	(0.828)	997837	50.5894	10.118
$ 7	Bromofluorobenzene	95	8.753	8.755	(1.144)	366951	49.5172	9.903
8	Dichlorodifluoromethane	85	1.488	1.490	(0.298)	248400	61.5386	12.308
9	Chloromethane	50	1.654	1.656	(0.331)	409861	52.2946	10.459
10	Vinyl Chloride	62	1.713	1.715	(0.342)	367444	59.1628	11.832
11	Bromomethane	94	1.973	1.975	(0.395)	178256	46.2551	9.251
12	Chloroethane	64	2.056	2.058	(0.411)	241290	54.7481	10.950
13	Trichlorofluoromethane	101	2.257	2.259	(0.451)	520741	65.2416	13.048
15	Acrolein	56	2.577	2.579	(0.515)	445231	600.409	120.08
16	Acetone	43	2.695	2.697	(0.539)	166818	35.2082	7.042
17	1,1-Dichloroethene	96	2.671	2.673	(0.534)	287482	54.8639	10.973
18	Freon-113	151	2.671	2.673	(0.534)	245029	68.6151	13.723
19	Iodomethane	142	2.813	2.803	(0.562)	17664	3.63374	0.7267
20	Carbon Disulfide	76	2.861	2.863	(0.572)	999028	50.7470	10.149
21	Methylene Chloride	84	3.050	3.052	(0.610)	428814	49.7870	9.957
22	Acetonitrile	41	2.908	2.910	(0.581)	441049	478.121	95.624
23	Acrylonitrile	53	3.216	3.217	(0.643)	1043109	483.721	96.744

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.263	3.265	(0.652)	761384	49.1189	9.824
	25 trans-1,2-Dichloroethene	96	3.263	3.265	(0.652)	270889	49.7932	9.959
	26 Hexane	86	3.488	3.490	(0.697)	64659	65.0060	13.001
	27 Vinyl acetate	43	3.488	3.620	(0.697)	251268	29.3040	5.861
	28 1,1-Dichloroethane	63	3.594	3.596	(0.719)	497460	49.9095	9.982
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.056	4.058	(0.811)	140594	35.7541	7.151
M	31 1,2-Dichloroethene (total)	96				555086	99.2988	19.860
	32 cis-1,2-dichloroethene	96	4.068	4.058	(0.813)	284197	49.5056	9.901
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.316	4.306	(0.863)	463240	49.4994	9.900
	36 Tetrahydrofuran	42	4.316	4.294	(0.863)	3813	1.99406	0.3988
	37 1,1,1-Trichloroethane	97	4.482	4.484	(0.896)	360709	51.3700	10.274
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.624	4.626	(0.924)	263336	52.1389	10.428
	40 1,2-Dichloroethane	62	4.778	4.779	(0.955)	387954	48.7048	9.741
	41 Benzene	78	4.778	4.779	(0.955)	1119386	49.5527	9.910
	42 Trichloroethene	130	5.310	5.312	(1.061)	270310	48.9454	9.789
	43 1,2-Dichloropropane	63	5.488	5.489	(1.097)	289114	50.1404	10.028
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.712	5.714	(1.142)	328303	46.7870	9.357
	47 2-Chloroethyl vinyl ether	63	5.961	5.963	(1.192)	168882	49.1432	9.829
	48 cis-1,3-Dichloropropene	75	6.103	6.105	(1.220)	383002	46.6544	9.331
	49 4-Methyl-2-pentanone	43	6.221	6.223	(1.244)	277846	47.4166	9.483
	50 Toluene	91	6.411	6.401	(0.838)	1205482	49.8088	9.962
	51 trans-1,3-Dichloropropene	75	6.576	6.578	(0.859)	314597	47.7808	9.556
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.742	6.744	(0.881)	231945	49.7330	9.947
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.908	6.909	(0.903)	218975	50.9126	10.182
	56 2-Hexanone	43	6.967	6.957	(0.910)	186379	37.1203	7.424
	57 Dibromochloromethane	129	7.109	7.110	(0.929)	206441	45.7480	9.150
	58 1,2-Dibromoethane	107	7.215	7.217	(0.943)	221890	49.7809	9.956
	59 Chlorobenzene	112	7.677	7.678	(1.003)	761233	49.1505	9.830
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.771	7.773	(1.015)	414958	50.3534	10.071
	62 m + p-Xylene	106	7.878	7.880	(1.029)	1025479	99.5998	19.920
M	63 Xylenes (total)	106				1514463	148.541	29.708
	64 Xylene-o	106	8.257	8.258	(1.079)	488984	48.9415	9.788
	65 Styrene	104	8.268	8.270	(1.080)	840350	47.6830	9.536
	66 Bromoform	173	8.446	8.448	(1.104)	127768	46.7940	9.359
	67 Isopropylbenzene	105	8.600	8.601	(1.124)	1224135	53.2061	10.641
	68 1,1,2,2-Tetrachloroethane	83	8.872	8.874	(0.898)	285481	46.0015	9.200
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	9.818	9.820	(0.994)	588656	47.5928	9.518
81	1,4-Dichlorobenzene	146	9.901	9.903	(1.002)	619553	46.9760	9.395
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	10.268	10.270	(1.040)	560940	46.4176	9.284
84	1,2-Dibromo-3-chloropropane	157	11.025	11.027	(1.116)	38446	38.5134	7.703
85	1,2,4-Trichlorobenzene	180	11.866	11.867	(1.201)	350879	43.5226	8.704
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	12.102	12.104	(1.225)	14826	0.85100	0.1702
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	4.541	4.543	(0.908)	463602	59.5833	11.917
143	Methyl Acetate	43	2.955	2.957	(0.591)	242041	46.2658	9.253(A)
144	Methylcyclohexane	83	5.488	5.489	(1.097)	408057	59.9531	11.991(A)
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

STL North Canton

RECOVERY REPORT

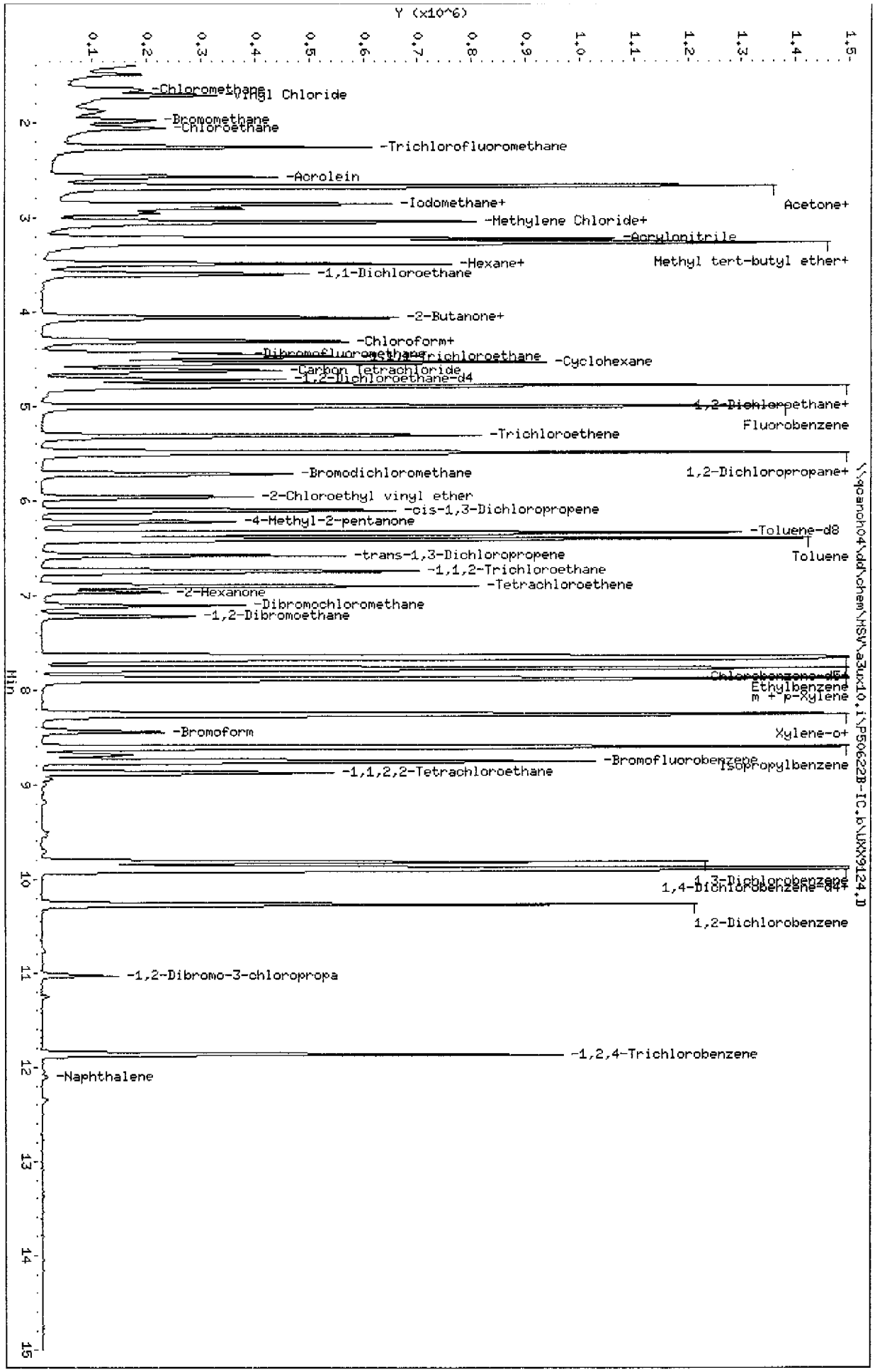
Client Name:
Client SDG: SDGa00932
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ICV
Level: LOW
Operator: 1904
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: plexus-ck.spk
Quant Type: ISTD
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Misc Info: P50622B-IC,8260LLUX10,2-8260.SUB,1904,3

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17	1,1-Dichloroethene	10.000	10.973	109.73	45-155
	42	Trichloroethene	10.000	9.789	97.89	45-155
	59	Chlorobenzene	10.000	9.830	98.30	45-155
	50	Toluene	10.000	9.962	99.62	45-155
	41	Benzene	10.000	9.910	99.11	45-155
	16	Acetone	10.000	7.042	70.42	45-155
	20	Carbon Disulfide	10.000	10.149	101.49	45-155
	9	Chloromethane	10.000	10.459	104.59	45-155
	11	Bromomethane	10.000	9.251	92.51	45-155
	10	Vinyl Chloride	10.000	11.832	118.33	45-155
	12	Chloroethane	10.000	10.950	109.50	45-155
	21	Methylene Chloride	10.000	9.957	99.57	45-155
	28	1,1-Dichloroethane	10.000	9.982	99.82	45-155
M	31	1,2-Dichloroethene	20.000	19.860	99.30	45-155
	35	Chloroform	10.000	9.900	99.00	45-155
	40	1,2-Dichloroethane	10.000	9.741	97.41	45-155
	30	2-Butanone	10.000	7.151	71.51	45-155
	37	1,1,1-Trichloroeth	10.000	10.274	102.74	45-155
	39	Carbon Tetrachlori	10.000	10.428	104.28	45-155
	46	Bromodichlorometha	10.000	9.357	93.57	45-155
	43	1,2-Dichloropropan	10.000	10.028	100.28	45-155
	48	cis-1,3-Dichloropr	10.000	9.331	93.31	45-155
	57	Dibromochlorometha	10.000	9.150	91.50	45-155
	53	1,1,2-Trichloroeth	10.000	9.947	99.47	45-155
	51	trans-1,3-Dichloro	10.000	9.556	95.56	45-155
	66	Bromoform	10.000	9.359	93.59	45-155
	49	4-Methyl-2-pentano	10.000	9.483	94.83	45-155
	56	2-Hexanone	10.000	7.424	74.24	45-155
	55	Tetrachloroethene	10.000	10.182	101.83	45-155
	68	1,1,2,2-Tetrachlor	10.000	9.200	92.00	45-155
	61	Ethylbenzene	10.000	10.071	100.71	45-155
	65	Styrene	10.000	9.536	95.37	45-155
	62	m + p-Xylene	20.000	19.920	99.60	45-155
M	63	Xylenes (total)	30.000	29.708	99.03	45-155
	64	Xylene-o	10.000	9.788	97.88	45-155
	32	cis-1,2-dichloroet	10.000	9.901	99.01	45-155
	25	trans-1,2-Dichloro	10.000	9.959	99.59	45-155
	8	Dichlorodifluorome	10.000	12.308	123.08	45-155
	13	Trichlorofluoromet	10.000	13.048	130.48	45-155
	18	Freon-113	10.000	13.723	137.23	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
24 Methyl tert-butyl	10.000	9.824	98.24	45-155
58 1,2-Dibromoethane	10.000	9.956	99.56	45-155
67 Isopropylbenzene	10.000	10.641	106.41	45-155
80 1,3-Dichlorobenzen	10.000	9.518	95.19	45-155
81 1,4-Dichlorobenzen	10.000	9.395	93.95	45-155
83 1,2-Dichlorobenzen	10.000	9.284	92.84	45-155
84 1,2-Dibromo-3-chlo	10.000	7.703	77.03	45-155
85 1,2,4-Trichloroben	10.000	8.704	87.05	45-155
98 Cyclohexane	10.000	11.917	119.17	45-155
143 Methyl Acetate	10.000	9.253	92.53	45-155
144 Methylcyclohexane	10.000	11.991	119.91	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.653	96.53	73-122
$ 5 1,2-Dichloroethane	10.000	9.992	99.92	61-128
$ 6 Toluene-d8	10.000	10.118	101.18	76-110
$ 7 Bromofluorobenzene	10.000	9.903	99.03	74-116



Data File: \\qarch04\dd\chem\MSV\a3ux10.i\P506228-IC.b\UX9124.D
Date : 22-JUN-2005 19:03
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Start Cal Date: 22-JUN-2005 16:39
End Cal Date : 23-JUN-2005 07:34
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
23-JUN-2005 07:34	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9152.D
22-JUN-2005 18:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Cal Level: 2 , Cal Amount: 10.00000		
23-JUN-2005 07:09	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9151.D
22-JUN-2005 18:18	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Cal Level: 3 , Cal Amount: 25.00000		
23-JUN-2005 06:45	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9150.D
22-JUN-2005 17:54	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Cal Level: 4 , Cal Amount: 50.00000		
23-JUN-2005 06:20	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9149.D
22-JUN-2005 17:29	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Cal Level: 5 , Cal Amount: 100.00000		
23-JUN-2005 05:55	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9148.D
22-JUN-2005 17:04	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Cal Level: 6 , Cal Amount: 200.00000		
23-JUN-2005 05:30	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9147.D
22-JUN-2005 16:39	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

12-JUL-2005 22:37	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
12-JUL-2005 23:02	7-IX+	\\QCANOH04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9786.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
Report Date: 14-Jul-2005 08:41

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 12-JUL-2005 22:37
Lab File ID: UXX9785.D Init. Cal. Date(s): 22-JUN-2005 23-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:39 07:34
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.19194	0.20875	0.20875	0.010	-8.75625	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.25518	0.22278	0.22278	0.010	12.69836	50.00000	Averaged	
$ 6 Toluene-d8	1.07597	1.05541	1.05541	0.010	1.91076	50.00000	Averaged	
$ 7 Bromofluorobenzene	50.00000	50.77157	0.40947	0.010	-1.54313	0.000e+000	Wt Linear	
8 Dichlorodifluoromethane	50.00000	63.07461	0.19737	0.010	-26.14922	0.000e+000	Wt Linear	
9 Chloromethane	0.30361	0.23578	0.23578	0.100	22.33943	50.00000	Averaged	
10 Vinyl Chloride	0.24059	0.23991	0.23991	0.010	0.27954	20.00000	Averaged	
11 Bromomethane	0.14928	0.07920	0.07920	0.010	46.94470	50.00000	Averaged	
12 Chloroethane	0.17073	0.18856	0.18856	0.010	-10.44619	50.00000	Averaged	
13 Trichlorofluoromethane	0.30919	0.35875	0.35875	0.010	-16.02937	50.00000	Averaged	
15 Acrolein	0.02873	0.02978	0.02978	0.010	-3.68107	50.00000	Averaged	
16 Acetone	100	71.64414	0.11072	0.010	28.35586	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.20298	0.20948	0.20948	0.010	-3.20341	20.00000	Averaged	
18 Freon-113	0.13833	0.18857	0.18857	0.010	-36.31851	50.00000	Averaged	
19 Iodomethane	0.18831	0.10681	0.10681	0.010	43.27968	50.00000	Averaged	
20 Carbon Disulfide	0.76260	0.73045	0.73045	0.010	4.21573	50.00000	Averaged	
21 Methylene Chloride	50.00000	37.44777	0.27006	0.010	25.10445	0.000e+000	Wt Linear	
22 Acetonitrile	0.03573	0.03237	0.03237	0.010	9.40140	50.00000	Averaged	
23 Acrylonitrile	0.08353	0.08892	0.08892	0.010	-6.44346	50.00000	Averaged	
24 Methyl tert-butyl ether	0.60046	0.65652	0.65652	0.010	-9.33669	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.21074	0.23594	0.23594	0.010	-11.95622	50.00000	Averaged	
26 Hexane	0.03853	0.05314	0.05314	0.010	-37.90934	20.00000	Averaged	<-
27 Vinyl acetate	0.33215	0.31669	0.31669	0.010	4.65677	50.00000	Averaged	
28 1,1-Dichloroethane	0.38610	0.36531	0.36531	0.100	5.38589	50.00000	Averaged	
29 tert-Butyl Alcohol	1000	1225	0.02235	0.010	-22.54495	0.000e+000	Wt Linear	
30 2-Butanone	0.15232	0.13208	0.13208	0.010	13.28853	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.21656	0.23459	0.23459	0.010	-8.32658	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.22238	0.23325	0.23325	0.010	-4.88688	50.00000	Averaged	
33 2,2-Dichloropropane	0.21645	0.20978	0.20978	0.010	3.08053	50.00000	Averaged	
34 Bromochloromethane	0.10157	0.11659	0.11659	0.010	-14.78090	50.00000	Averaged	
35 Chloroform	0.36252	0.36895	0.36895	0.010	-1.77252	20.00000	Averaged	
36 Tetrahydrofuran	0.07407	0.06454	0.06454	0.010	12.86393	50.00000	Averaged	
37 1,1,1-Trichloroethane	0.27201	0.30012	0.30012	0.010	-10.33733	50.00000	Averaged	
38 1,1-Dichloropropene	0.26872	0.28020	0.28020	0.010	-4.27195	50.00000	Averaged	
39 Carbon Tetrachloride	0.19565	0.24190	0.24190	0.010	-23.63788	50.00000	Averaged	
40 1,2-Dichloroethane	0.30856	0.29728	0.29728	0.010	3.65586	50.00000	Averaged	
41 Benzene	0.87507	0.86893	0.86893	0.010	0.70193	50.00000	Averaged	
42 Trichloroethene	0.21393	0.24517	0.24517	0.010	-14.60237	50.00000	Averaged	
43 1,2-Dichloropropane	0.22336	0.21808	0.21808	0.010	2.36410	20.00000	Averaged	
44 1,4-Dioxane	0.00215	0.00254	0.00254	0.010	-18.33331	50.00000	Averaged	<-
45 Dibromomethane	0.12063	0.12834	0.12834	0.010	-6.38757	50.00000	Averaged	
46 Bromodichloromethane	0.27182	0.25985	0.25985	0.010	4.40191	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.13312	0.13197	0.13197	0.010	0.86733	50.00000	Averaged	

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
Report Date: 14-Jul-2005 08:41

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 12-JUL-2005 22:37
Lab File ID: UXX9785.D Init. Cal. Date(s): 22-JUN-2005 23-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:39 07:34
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	0.31801	0.30722	0.30722	0.010	3.39297	50.00000	Averaged
49 4-Methyl-2-pentanone	0.22699	0.21616	0.21616	0.010	4.77134	50.00000	Averaged
50 Toluene	1.32024	1.26643	1.26643	0.010	4.07597	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.35917	0.32019	0.32019	0.010	10.85320	50.00000	Averaged
52 Ethyl Methacrylate	0.32903	0.35028	0.35028	0.010	-6.45748	50.00000	Averaged
53 1,1,2-Trichloroethane	0.25441	0.24425	0.24425	0.010	3.99513	50.00000	Averaged
54 1,3-Dichloropropane	0.48923	0.44371	0.44371	0.010	9.30481	50.00000	Averaged
55 Tetrachloroethene	0.23462	0.27020	0.27020	0.010	-15.16622	50.00000	Averaged
56 2-Hexanone	0.27390	0.21848	0.21848	0.010	20.23101	50.00000	Averaged
57 Dibromochloromethane	0.24616	0.25599	0.25599	0.010	-3.99286	50.00000	Averaged
58 1,2-Dibromoethane	0.24315	0.24729	0.24729	0.010	-1.70195	50.00000	Averaged
59 Chlorobenzene	0.84487	0.84888	0.84888	0.300	-0.47467	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.23865	0.26132	0.26132	0.010	-9.49835	50.00000	Averaged
61 Ethylbenzene	0.44955	0.45046	0.45046	0.010	-0.20252	20.00000	Averaged
62 m + p-Xylene	0.56165	0.57594	0.57594	0.010	-2.54427	50.00000	Averaged
M 63 Xylenes (total)	0.55611	0.56898	0.56898	0.010	-2.31477	50.00000	Averaged
64 Xylene-o	0.54502	0.55506	0.55506	0.010	-1.84175	50.00000	Averaged
65 Styrene	0.96138	0.96225	0.96225	0.010	-0.09094	50.00000	Averaged
66 Bromoform	0.14895	0.17481	0.17481	0.100	-17.36316	50.00000	Averaged
67 Isopropylbenzene	1.25507	1.31456	1.31456	0.010	-4.74039	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.65904	0.55081	0.55081	0.300	16.42214	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.16946	0.10646	0.10646	0.010	37.17835	50.00000	Averaged
70 1,2,3-Trichloropropane	0.21537	0.19286	0.19286	0.010	10.44874	50.00000	Averaged
71 Bromobenzene	0.68509	0.68565	0.68565	0.010	-0.08209	50.00000	Averaged
72 n-Propylbenzene	0.71508	0.70810	0.70810	0.010	0.97676	50.00000	Averaged
73 2-Chlorotoluene	0.66091	0.62922	0.62922	0.010	4.79538	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.20328	2.04248	2.04248	0.010	7.29837	50.00000	Averaged
75 4-Chlorotoluene	0.67707	0.66274	0.66274	0.010	2.11666	50.00000	Averaged
76 tert-Butylbenzene	1.84534	1.84466	1.84466	0.010	0.03670	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.28612	2.07031	2.07031	0.010	9.43987	50.00000	Averaged
78 sec-Butylbenzene	2.54630	2.56399	2.56399	0.010	-0.69473	50.00000	Averaged
79 4-Isopropyltoluene	2.17415	2.19357	2.19357	0.010	-0.89303	50.00000	Averaged
80 1,3-Dichlorobenzene	1.31349	1.30122	1.30122	0.010	0.93441	50.00000	Averaged
81 1,4-Dichlorobenzene	1.40058	1.31929	1.31929	0.010	5.80407	50.00000	Averaged
82 n-Butylbenzene	1.98251	1.81725	1.81725	0.010	8.33580	50.00000	Averaged
83 1,2-Dichlorobenzene	1.28333	1.24912	1.24912	0.010	2.66617	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.10601	0.11063	0.11063	0.010	-4.36137	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.85615	0.85931	0.85931	0.010	-0.36950	50.00000	Averaged
86 Hexachlorobutadiene	0.31237	0.37984	0.37984	0.010	-21.60052	50.00000	Averaged
87 Naphthalene	1.85013	1.68551	1.68551	0.010	8.89738	50.00000	Averaged
88 1,2,3-Trichlorobenzene	0.78086	0.74218	0.74218	0.010	4.95288	50.00000	Averaged
98 Cyclohexane	0.30140	0.36138	0.36138	0.010	-19.89985	50.00000	Averaged
143 Methyl Acetate	0.20266	0.18619	0.18619	0.010	8.12697	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
Report Date: 14-Jul-2005 08:41

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 12-JUL-2005 22:37
Lab File ID: UXX9785.D Init. Cal. Date(s): 22-JUN-2005 23-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:39 07:34
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.26366	0.36237	0.36237	0.010	-37.43907	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.93432	0.96014	0.96014	0.010	-2.76398	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
Report Date: 14-Jul-2005 08:41

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
Lab Smp Id: 50NG-CC
Inj Date : 12-JUL-2005 22:37
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P50712B,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 30 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.989	4.989	(1.000)	1102240	50.0000	
*	2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	873860	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.876	9.876	(1.000)	501477	50.0000	
$	4 Dibromofluoromethane	113	4.433	4.433	(0.889)	230088	50.0000	54.378
$	5 1,2-Dichloroethane-d4	65	4.705	4.705	(0.943)	245554	50.0000	43.651
$	6 Toluene-d8	98	6.338	6.338	(0.828)	922278	50.0000	49.045
$	7 Bromofluorobenzene	95	8.752	8.752	(1.144)	357817	50.0000	50.772
	8 Dichlorodifluoromethane	85	1.475	1.475	(0.296)	217551	50.0000	63.075
	9 Chloromethane	50	1.629	1.629	(0.327)	259888	50.0000	38.830
	10 Vinyl Chloride	62	1.700	1.700	(0.341)	264443	50.0000	49.860
	11 Bromomethane	94	1.960	1.960	(0.393)	87301	50.0000	26.528
	12 Chloroethane	64	2.043	2.043	(0.410)	207839	50.0000	55.223
	13 Trichlorofluoromethane	101	2.244	2.244	(0.450)	395431	50.0000	58.015
	15 Acrolein	56	2.552	2.552	(0.511)	328279	500.000	518.40
	16 Acetone	43	2.682	2.682	(0.538)	244080	100.000	71.644
	17 1,1-Dichloroethene	96	2.658	2.658	(0.533)	230900	50.0000	51.602
	18 Freon-113	151	2.658	2.658	(0.533)	207854	50.0000	68.159
	19 Iodomethane	142	2.788	2.788	(0.559)	117728	50.0000	28.360
	20 Carbon Disulfide	76	2.847	2.847	(0.571)	805132	50.0000	47.892

21 Methylene Chloride	84	3.037	3.037 (0.609)	297676	50.0000	37.448
22 Acetonitrile	41	2.895	2.895 (0.580)	356842	500.000	452.99
23 Acrylonitrile	53	3.202	3.202 (0.642)	980076	500.000	532.22

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
Report Date: 14-Jul-2005 08:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.250	3.250	(0.651)	723647	50.0000	54.668
25	trans-1,2-Dichloroethene	96	3.250	3.250	(0.651)	260061	50.0000	55.978
26	Hexane	86	3.475	3.475	(0.696)	58570	50.0000	68.955
27	Vinyl acetate	43	3.605	3.605	(0.723)	349065	50.0000	47.672
28	1,1-Dichloroethane	63	3.581	3.581	(0.718)	402658	50.0000	47.307
29	tert-Butyl Alcohol	59	3.108	3.108	(0.623)	492700	1000.00	1225.4(A)
30	2-Butanone	43	4.043	4.043	(0.810)	291174	100.000	86.711
32	cis-1,2-dichloroethene	96	4.054	4.054	(0.813)	257094	50.0000	52.443
33	2,2-Dichloropropane	77	4.054	4.054	(0.813)	231226	50.0000	48.460
34	Bromochloromethane	128	4.244	4.244	(0.851)	128505	50.0000	57.390
35	Chloroform	83	4.303	4.303	(0.862)	406670	50.0000	50.886
36	Tetrahydrofuran	42	4.291	4.291	(0.860)	71143	50.0000	43.568
37	1,1,1-Trichloroethane	97	4.469	4.469	(0.896)	330808	50.0000	55.169
38	1,1-Dichloropropene	75	4.599	4.599	(0.922)	308846	50.0000	52.136
39	Carbon Tetrachloride	117	4.611	4.611	(0.924)	266628	50.0000	61.819
40	1,2-Dichloroethane	62	4.776	4.776	(0.957)	327672	50.0000	48.172
41	Benzene	78	4.776	4.776	(0.957)	957766	50.0000	49.649
42	Trichloroethene	130	5.309	5.309	(1.064)	270240	50.0000	57.301
43	1,2-Dichloropropane	63	5.486	5.486	(1.100)	240379	50.0000	48.818
44	1,4-Dioxane	88	5.605	5.605	(1.123)	139906	2500.00	2958.3(A)
45	Dibromomethane	93	5.581	5.581	(1.119)	141458	50.0000	53.194
46	Bromodichloromethane	83	5.711	5.711	(1.145)	286421	50.0000	47.799
47	2-Chloroethyl vinyl ether	63	5.959	5.959	(1.194)	290919	100.000	99.133
48	cis-1,3-Dichloropropene	75	6.101	6.101	(1.223)	338628	50.0000	48.304
49	4-Methyl-2-pentanone	43	6.220	6.220	(1.247)	476516	100.000	95.229
50	Toluene	91	6.397	6.397	(0.836)	1106681	50.0000	47.962
51	trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	279800	50.0000	44.573
52	Ethyl Methacrylate	69	6.658	6.658	(0.870)	306095	50.0000	53.229
53	1,1,2-Trichloroethane	97	6.740	6.740	(0.881)	213439	50.0000	48.002
54	1,3-Dichloropropane	76	6.894	6.894	(0.901)	387739	50.0000	45.348
55	Tetrachloroethene	164	6.906	6.906	(0.903)	236121	50.0000	57.583
56	2-Hexanone	43	6.965	6.965	(0.910)	381848	100.000	79.769
57	Dibromochloromethane	129	7.107	7.107	(0.929)	223701	50.0000	51.996
58	1,2-Dibromoethane	107	7.214	7.214	(0.943)	216095	50.0000	50.851
59	Chlorobenzene	112	7.675	7.675	(1.003)	741800	50.0000	50.237
60	1,1,1,2-Tetrachloroethane	131	7.746	7.746	(1.012)	228354	50.0000	54.749
61	Ethylbenzene	106	7.770	7.770	(1.015)	393636	50.0000	50.101
62	m + p-Xylene	106	7.876	7.876	(1.029)	1006585	100.000	102.54
64	Xylene-o	106	8.255	8.255	(1.079)	485047	50.0000	50.921
65	Styrene	104	8.267	8.267	(1.080)	840876	50.0000	50.045
66	Bromoform	173	8.444	8.444	(1.104)	152758	50.0000	58.682
67	Isopropylbenzene	105	8.610	8.610	(1.125)	1148742	50.0000	52.370
68	1,1,2,2-Tetrachloroethane	83	8.870	8.870	(0.898)	276219	50.0000	41.789
69	1,4-Dichloro-2-butene	53	8.930	8.930	(0.904)	53386	50.0000	31.411
70	1,2,3-Trichloropropane	110	8.918	8.918	(0.903)	96717	50.0000	44.776
71	Bromobenzene	156	8.906	8.906	(0.902)	343838	50.0000	50.041
72	n-Propylbenzene	120	9.001	9.001	(0.911)	355095	50.0000	49.512
73	2-Chlorotoluene	126	9.095	9.095	(0.921)	315538	50.0000	47.602
74	1,3,5-Trimethylbenzene	105	9.166	9.166	(0.928)	1024255	50.0000	46.351
75	4-Chlorotoluene	126	9.190	9.190	(0.930)	332349	50.0000	48.942
76	tert-Butylbenzene	119	9.486	9.486	(0.960)	925056	50.0000	49.982
77	1,2,4-Trimethylbenzene	105	9.533	9.533	(0.965)	1038215	50.0000	45.280

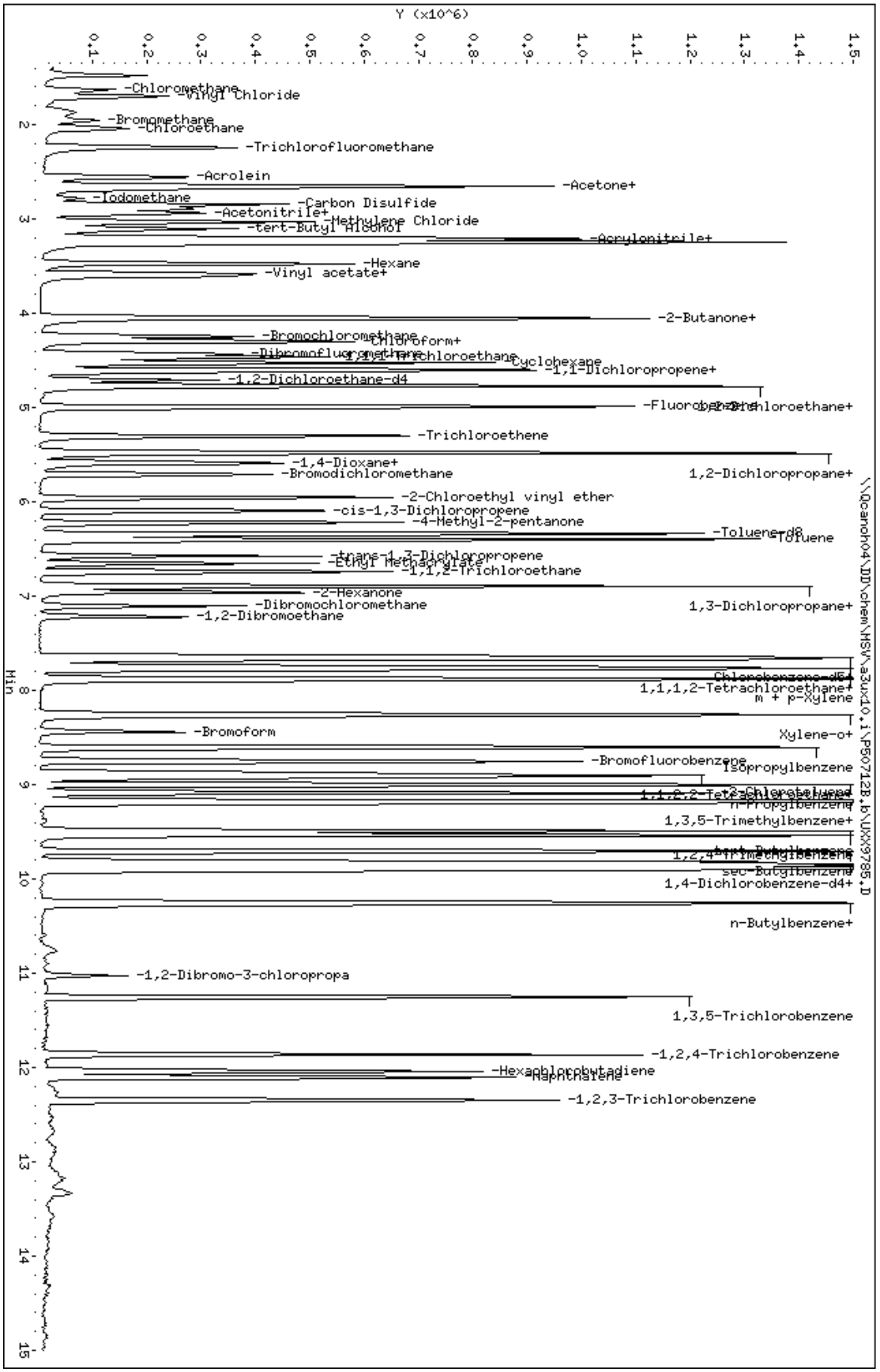
78	sec-Butylbenzene	105	9.710	9.710 (0.983)	1285780	50.0000	50.347
79	4-Isopropyltoluene	119	9.841	9.841 (0.996)	1100025	50.0000	50.446

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
Report Date: 14-Jul-2005 08:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	652530	50.0000	49.533
81	1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	661594	50.0000	47.098
82	n-Butylbenzene	91	10.255	10.255	(1.038)	911309	50.0000	45.832
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	626404	50.0000	48.667
84	1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	55480	50.0000	52.181
85	1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	430925	50.0000	50.185
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	190481	50.0000	60.800
87	Naphthalene	128	12.101	12.101	(1.225)	845247	50.0000	45.551
88	1,2,3-Trichlorobenzene	180	12.349	12.349	(1.250)	372187	50.0000	47.524
98	Cyclohexane	56	4.528	4.528	(0.908)	398332	50.0000	59.950
143	Methyl Acetate	43	2.942	2.942	(0.590)	410443	100.000	91.873(A)
144	Methylcyclohexane	83	5.474	5.474	(1.097)	399416	50.0000	68.720(A)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	481488	50.0000	51.382(A)

QC Flag Legend

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


Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D
Date : 12-JUL-2005 22:37
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-Fluorobenzene
Dibromochloroethane+
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
2-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
Naphthalene
-1,2,3-Trichlorobenzene
\\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9785.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Start Cal Date: 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
22-JUN-2005 13:29	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4779.D
22-JUN-2005 10:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Cal Level: 2 , Cal Amount: 10.00000		
22-JUN-2005 13:50	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4780.D
22-JUN-2005 10:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Cal Level: 3 , Cal Amount: 25.00000		
22-JUN-2005 14:11	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4781.D
22-JUN-2005 10:48	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Cal Level: 4 , Cal Amount: 50.00000		
22-JUN-2005 14:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
22-JUN-2005 11:10	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Cal Level: 5 , Cal Amount: 100.00000		
22-JUN-2005 14:54	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4783.D
22-JUN-2005 13:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Cal Level: 6 , Cal Amount: 200.00000		
22-JUN-2005 15:15	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4784.D
22-JUN-2005 12:22	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

22-JUN-2005 14:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
22-JUN-2005 11:10	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D

Report Date : 22-Jun-2005 16:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Last Edit : 22-Jun-2005 15:58 a3ux11.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4779.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4780.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4781.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4783.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4784.D

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
8	Dichlorodifluoromethane	0.40655	0.34058	0.32503	0.31374	0.30006	0.32232	0.33471	11.245	
9	Chloromethane	0.33362	0.29354	0.30878	0.28752	0.31891	0.29646	0.30647	5.696	
10	Vinyl Chloride	0.33898	0.33621	0.27407	0.30274	0.36734	0.33420	0.32559	9.986	
11	Bromomethane	0.10532	0.10398	0.08054	0.09875	0.13207	0.11259	0.10554	16.008	
12	Chloroethane	0.15544	0.16445	0.15942	0.15822	0.15858	0.15055	0.15778	2.915	
13	Trichlorofluoromethane	0.25277	0.25673	0.24505	0.27254	0.28074	0.27421	0.26367	5.350	
14	Dichlorofluoromethane	0.46001	0.23753	0.27512	0.23100	0.25679	0.24211	0.28376	30.932	
15	Acrolein	0.02888	0.02679	0.02755	0.02610	0.02642	0.02488	0.02677	5.062	
16	Acetone	0.19530	0.13782	0.08948	0.08156	0.07312	0.06071	0.10633	47.933	
17	1,1-Dichloroethene	0.29213	0.27592	0.23394	0.24611	0.28302	0.27399	0.26752	8.432	
18	Freon-113	0.23338	0.24037	0.22270	0.22679	0.22908	0.24063	0.23216	3.156	
19	Iodomethane	0.36281	0.33544	0.26581	0.32536	0.42964	0.37784	0.34948	15.770	
20	Carbon Disulfide	0.87909	0.84449	0.79291	0.82321	0.85657	0.82511	0.83690	3.579	
21	Methylene Chloride	1.12248	0.65038	0.41131	0.32977	0.32003	0.28099	0.51916	62.421	<-
22	Acetonitrile	0.03449	0.02669	0.02695	0.02655	0.02757	0.02525	0.02792	11.849	
23	Acrylonitrile	0.07690	0.07542	0.07810	0.07713	0.07728	0.07242	0.07621	2.690	
24	Methyl tert-butyl ether	0.71592	0.67814	0.67187	0.67775	0.70433	0.64677	0.68246	3.604	
25	trans-1,2-Dichloroethene	0.28027	0.26018	0.24093	0.25193	0.26911	0.24986	0.25871	5.508	
26	Hexane	0.09657	0.08509	0.07229	0.07505	0.06622	0.07036	0.07760	14.494	
27	Vinyl acetate	0.45053	0.43103	0.44838	0.41454	0.43146	0.39355	0.42825	5.021	
28	1,1-Dichloroethane	0.47522	0.46133	0.43740	0.43687	0.46179	0.42300	0.44927	4.407	
29	tert-Butyl Alcohol	0.02039	0.01572	0.01744	0.01717	0.01783	0.01583	0.01739	9.778	
30	2-Butanone	0.16199	0.11269	0.11917	0.11068	0.10163	0.09222	0.11640	20.814	
M 31	1,2-Dichloroethene (total)	0.28807	0.27778	0.25459	0.25900	0.27510	0.25604	0.26843	5.140	
32	cis-1,2-dichloroethene	0.29587	0.29537	0.26824	0.26606	0.28109	0.26222	0.27814	5.375	
33	2,2-Dichloropropane	0.31547	0.29013	0.28073	0.28231	0.30850	0.26921	0.29106	6.072	
34	Bromochloromethane	0.14896	0.13325	0.12353	0.13166	0.13406	0.12459	0.13268	6.887	
35	Chloroform	0.45614	0.42619	0.42047	0.41495	0.44848	0.41518	0.43024	4.126	

Report Date : 22-Jun-2005 16:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Last Edit : 22-Jun-2005 15:58 a3ux11.i
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.15761	0.11802	0.08248	0.07299	0.06815	0.06017	0.09324	40.150	
	37 1,1,1-Trichloroethane	0.34175	0.35682	0.33905	0.35485	0.36057	0.33626	0.34822	2.983	
	38 1,1-Dichloropropene	0.39615	0.36423	0.34905	0.35710	0.36755	0.34775	0.36364	4.890	
	39 Carbon Tetrachloride	0.32605	0.30854	0.30391	0.30402	0.32053	0.30659	0.31161	3.009	
	40 1,2-Dichloroethane	0.36039	0.34205	0.33345	0.33843	0.35700	0.32305	0.34240	4.145	
	41 Benzene	2.21790	1.57142	1.28180	1.16356	1.16479	1.08483	1.41405	30.363	
	42 Trichloroethene	0.32165	0.29246	0.28427	0.28067	0.30693	0.28769	0.29561	5.308	
	43 1,2-Dichloropropane	0.29863	0.27747	0.27346	0.26709	0.28272	0.26300	0.27706	4.586	
	44 1,4-Dioxane	0.00190	0.00184	0.00214	0.00201	0.00243	0.00221	0.00209	10.549	<-
	45 Dibromomethane	0.16809	0.15151	0.14287	0.14491	0.15186	0.14154	0.15013	6.533	
	46 Bromodichloromethane	0.34804	0.33740	0.33661	0.33072	0.35559	0.33573	0.34068	2.714	
	47 2-Chloroethyl vinyl ether	0.17644	0.16873	0.16722	0.16886	0.17055	0.16325	0.16918	2.561	
	48 cis-1,3-Dichloropropene	0.48933	0.47147	0.46167	0.47020	0.49849	0.46660	0.47630	3.015	
	49 4-Methyl-2-pentanone	0.28499	0.27166	0.27282	0.25800	0.26740	0.24204	0.26615	5.520	
	50 Toluene	1.36425	1.34570	1.27718	1.28833	1.35663	1.23946	1.31192	3.871	
	51 trans-1,3-Dichloropropene	0.49512	0.45421	0.44097	0.46560	0.47664	0.43945	0.46200	4.678	
	52 Ethyl Methacrylate	0.43471	0.39306	0.39785	0.41047	0.41242	0.38377	0.40538	4.428	
	53 1,1,2-Trichloroethane	0.28530	0.24855	0.24299	0.24809	0.25849	0.23867	0.25368	6.643	
	54 1,3-Dichloropropane	0.46113	0.45611	0.45702	0.46116	0.47770	0.43689	0.45833	2.857	
	55 Tetrachloroethene	0.28181	0.27947	0.27006	0.28031	0.28911	0.26794	0.27812	2.829	
	56 2-Hexanone	0.23226	0.21511	0.22247	0.21777	0.21515	0.17785	0.21343	8.708	
	57 Dibromochloromethane	0.30887	0.26621	0.27742	0.27783	0.29726	0.27795	0.28426	5.513	
	58 1,2-Dibromoethane	0.29299	0.26388	0.26190	0.26746	0.28170	0.25505	0.27050	5.220	
	59 Chlorobenzene	1.01258	0.98934	0.95901	0.97326	1.04070	0.94694	0.98697	3.545	
	60 1,1,1,2-Tetrachloroethane	0.34311	0.32891	0.31881	0.33208	0.34581	0.32482	0.33226	3.153	
	61 Ethylbenzene	0.53762	0.55763	0.53023	0.54237	0.57833	0.53461	0.54680	3.311	
	62 m + p-Xylene	0.71545	0.71121	0.66742	0.67923	0.73819	0.67798	0.69825	3.939	
M	63 Xylenes (total)	0.70354	0.69964	0.66344	0.67764	0.73065	0.66781	0.69045	3.708	
	64 Xylene-o	0.67970	0.67650	0.65549	0.67447	0.71557	0.64747	0.67487	3.512	
	65 Styrene	1.22684	1.19356	1.14272	1.17045	1.24249	1.13408	1.18502	3.721	
	66 Bromoform	0.18814	0.17895	0.18142	0.18528	0.19033	0.18457	0.18478	2.267	
	67 Isopropylbenzene	1.66900	1.62750	1.58062	1.60916	1.71149	1.57194	1.62828	3.295	
	68 1,1,2,2-Tetrachloroethane	0.57283	0.56876	0.55555	0.57501	0.58057	0.52256	0.56255	3.790	
	69 1,4-Dichloro-2-butene	0.19766	0.19194	0.17793	0.18119	0.18965	0.17586	0.18570	4.665	
	70 1,2,3-Trichloropropane	0.21178	0.20222	0.19600	0.18916	0.19026	0.17365	0.19384	6.684	
	71 Bromobenzene	0.78313	0.77266	0.74472	0.75506	0.79921	0.72999	0.76413	3.356	

Report Date : 22-Jun-2005 16:01

STL North Canton

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Last Edit : 22-Jun-2005 15:58 a3ux11.i
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
72	n-Propylbenzene	0.84017	0.84256	0.80747	0.82368	0.87825	0.81056	0.83378	3.141	
73	2-Chlorotoluene	0.77743	0.70729	0.71151	0.69343	0.73708	0.68275	0.71825	4.782	
74	1,3,5-Trimethylbenzene	2.49712	2.48061	2.38828	2.40972	2.60722	2.39519	2.46303	3.411	
75	4-Chlorotoluene	0.74881	0.74721	0.72279	0.73396	0.77976	0.72125	0.74230	2.929	
76	tert-Butylbenzene	2.23895	2.19198	2.13183	2.15363	2.27964	2.09208	2.18135	3.195	
77	1,2,4-Trimethylbenzene	2.68972	2.58765	2.47916	2.50403	2.70782	2.45703	2.57090	4.225	
78	sec-Butylbenzene	3.04009	2.98789	2.95583	2.95480	3.13663	2.91377	2.99817	2.661	
79	4-Isopropyltoluene	2.57987	2.52216	2.50232	2.53771	2.73404	2.47192	2.55800	3.654	
80	1,3-Dichlorobenzene	1.57691	1.46889	1.42760	1.43323	1.54124	1.39434	1.47370	4.827	
81	1,4-Dichlorobenzene	1.57328	1.49451	1.46540	1.46650	1.58296	1.43219	1.50248	4.120	
82	n-Butylbenzene	2.17643	2.17905	2.13902	2.17325	2.34749	2.11676	2.18867	3.731	
83	1,2-Dichlorobenzene	1.40677	1.38045	1.34662	1.35759	1.44446	1.28211	1.36967	4.056	
84	1,2-Dibromo-3-chloropropane	0.12649	0.11303	0.10801	0.11459	0.10670	0.09169	0.11008	10.377	
85	1,2,4-Trichlorobenzene	0.58328	0.52482	0.49423	0.50122	0.52060	+++++	0.52483	6.688	
86	Hexachlorobutadiene	0.34602	0.35027	0.32632	0.31577	0.32409	0.23653	0.31650	13.074	
87	Naphthalene	0.80550	0.72015	0.65907	0.68816	0.66950	+++++	0.70848	8.327	
88	1,2,3-Trichlorobenzene	0.10484	0.10572	0.07982	0.08582	0.08564	+++++	0.09237	13.029	
89	Ethyl Ether	0.21859	0.19168	0.17892	0.17608	0.18483	0.17530	0.18757	8.741	
90	Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91	3-Chloropropene	0.13347	0.13061	0.12274	0.12354	0.12764	0.12271	0.12679	3.590	
92	Isopropyl Ether	0.23467	0.22047	0.22540	0.22602	0.23307	0.22443	0.22734	2.391	
93	2-Chloro-1,3-butadiene	0.42887	0.42454	0.40088	0.39543	0.39670	0.39478	0.40687	3.828	
94	Propionitrile	0.03551	0.03153	0.02954	0.02774	0.02868	0.02827	0.03021	9.651	
95	Ethyl Acetate	0.24085	0.21988	0.20184	0.19217	0.20863	0.19546	0.20981	8.651	
96	Methacrylonitrile	0.13901	0.14131	0.15112	0.13747	0.14635	0.13937	0.14244	3.687	
97	Isobutanol	0.00723	0.00690	0.00598	0.00590	0.00717	0.00643	0.00660	8.859	<-
98	Cyclohexane	0.58094	0.53263	0.51347	0.51970	0.52022	0.53403	0.53350	4.606	
99	n-Butanol	0.00593	0.00624	0.00583	0.00531	0.00643	0.00564	0.00590	6.873	<-
100	Methyl Methacrylate	0.23208	0.22692	0.21984	0.22015	0.23160	0.21906	0.22494	2.688	
101	2-Nitropropane	0.05451	0.04826	0.04896	0.04542	0.05171	0.04951	0.04973	6.240	
102	Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103	Cyclohexanone	0.01891	0.01863	0.01723	0.01593	0.01783	0.01586	0.01740	7.504	
104	Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105	Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134	Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135	Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 22-Jun-2005 16:01

STL North Canton

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Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Last Edit : 22-Jun-2005 15:58 a3ux11.i
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
	136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M	137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	141 1,3,5-Trichlorobenzene	1.02881	0.98648	0.94814	0.96475	1.01895	0.81968	0.96113	7.891	
	143 Methyl Acetate	0.20542	0.18142	0.17304	0.17276	0.17205	0.15668	0.17689	9.109	
	144 Methylcyclohexane	0.54366	0.51114	0.48850	0.48150	0.46727	0.49827	0.49839	5.356	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	146 2-Methylnaphthalene	0.04136	0.04938	0.04157	0.04319	0.04345	0.04541	0.04406	6.786	
	147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	4 Dibromofluoromethane	0.25200	0.22832	0.22999	0.23012	0.25034	0.22816	0.23649	4.827	
$	5 1,2-Dichloroethane-d4	0.35425	0.31630	0.31090	0.29172	0.31914	0.29161	0.31399	7.345	
$	6 Toluene-d8	1.07853	1.08819	1.11700	1.09547	1.16124	1.05799	1.09974	3.260	
$	7 Bromofluorobenzene	0.58064	0.54623	0.53325	0.52177	0.55983	0.49894	0.54011	5.332	

eport Date : 22-Jun-2005 15:57

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
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uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

alibration File Names:
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evel 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4780.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4781.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4783.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4784.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
8 Dichlorodifluoromethane	0.40655	0.34058	0.32503	0.31374	0.30006	0.32232	AVRG		0.33471		11.24467
9 Chloromethane	0.33362	0.29354	0.30878	0.28752	0.31891	0.29646	AVRG		0.30647		5.69586
10 Vinyl Chloride	0.33898	0.33621	0.27407	0.30274	0.36734	0.33420	AVRG		0.32559		9.98634
11 Bromomethane	20613	40337	78967	193528	491925	866133	QUAD	0.14181	6.29100	4.85891	0.99242
12 Chloroethane	0.15544	0.16445	0.15942	0.15822	0.15858	0.15055	AVRG		0.15778		2.91541
13 Trichlorofluoromethane	0.25277	0.25673	0.24505	0.27254	0.28074	0.27421	AVRG		0.26367		5.34952
14 Dichlorofluoromethane	85428	88306	253645	418239	941299	1749928	WLINR	-0.05882	0.23970		0.99278
15 Acrolein	0.02888	0.02679	0.02755	0.02610	0.02642	0.02488	AVRG		0.02677		5.06233
16 Acetone	76446	106930	175468	319695	544714	933995	WLINR	-0.46859	0.06139		0.99268
17 1,1-Dichloroethene	0.29213	0.27592	0.23394	0.24611	0.28302	0.27399	AVRG		0.26752		8.43223
18 Freon-113	0.23338	0.24037	0.22270	0.22679	0.22908	0.24063	AVRG		0.23216		3.15642
19 Iodomethane	71008	130127	260614	637640	1600260	2906620	QUAD	0.12877	2.04379	0.32818	0.99366
20 Carbon Disulfide	0.87909	0.84449	0.79291	0.82321	0.85657	0.82511	AVRG		0.83690		3.57912
21 Methylene Chloride	219686	252304	403272	646293	1192005	2161558	WLINR	-0.31048	0.26350		0.99717

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ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.03449	0.02669	0.02695	0.02655	0.02757	0.02525	AVRG		0.02792		11.84930
23 Acrylonitrile	0.07690	0.07542	0.07810	0.07713	0.07728	0.07242	AVRG		0.07621		2.69017
24 Methyl tert-butyl ether	0.71592	0.67814	0.67187	0.67775	0.70433	0.64677	AVRG		0.68246		3.60402
25 trans-1,2-Dichloroethene	0.28027	0.26018	0.24093	0.25193	0.26911	0.24986	AVRG		0.25871		5.50786
26 Hexane	0.09657	0.08509	0.07229	0.07505	0.06622	0.07036	AVRG		0.07760		14.49399
27 Vinyl acetate	0.45053	0.43103	0.44838	0.41454	0.43146	0.39355	AVRG		0.42825		5.02092
28 1,1-Dichloroethane	0.47522	0.46133	0.43740	0.43687	0.46179	0.42300	AVRG		0.44927		4.40721
29 tert-Butyl Alcohol	0.02039	0.01572	0.01744	0.01717	0.01783	0.01583	AVRG		0.01739		9.77786
30 2-Butanone	63406	87435	233674	433822	757108	1418851	WLINR	-0.14118	0.09536		0.99457
31 1,2-Dichloroethene (total)	0.28807	0.27778	0.25459	0.25900	0.27510	0.25604	AVRG		0.26843		5.13950
32 cis-1,2-dichloroethene	0.29587	0.29537	0.26824	0.26606	0.28109	0.26222	AVRG		0.27814		5.37473
33 2,2-Dichloropropane	0.31547	0.29013	0.28073	0.28231	0.30850	0.26921	AVRG		0.29106		6.07176
34 Bromochloromethane	0.14896	0.13325	0.12353	0.13166	0.13406	0.12459	AVRG		0.13268		6.88715
35 Chloroform	0.45614	0.42619	0.42047	0.41495	0.44848	0.41518	AVRG		0.43024		4.12633
36 Tetrahydrofuran	30847	45785	80867	143052	253848	462849	WLINR	-0.17762	0.05996		0.99719
37 1,1,1-Trichloroethane	0.34175	0.35682	0.33905	0.35485	0.36057	0.33626	AVRG		0.34822		2.98289
38 1,1-Dichloropropene	0.39615	0.36423	0.34905	0.35710	0.36755	0.34775	AVRG		0.36364		4.89001
39 Carbon Tetrachloride	0.32605	0.30854	0.30391	0.30402	0.32053	0.30659	AVRG		0.31161		3.00918
40 1,2-Dichloroethane	0.36039	0.34205	0.33345	0.33843	0.35700	0.32305	AVRG		0.34240		4.14537
41 Benzene	434076	609604	1256750	2280367	4338423	8345209	WLINR	-0.10240	1.07125		0.99929
42 Trichloroethene	0.32165	0.29246	0.28427	0.28067	0.30693	0.28769	AVRG		0.29561		5.30751
43 1,2-Dichloropropane	0.29863	0.27747	0.27346	0.26709	0.28272	0.26300	AVRG		0.27706		4.58618

eport Date : 22-Jun-2005 15:57

STL North Canton

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ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
44 1,4-Dioxane	0.00190	0.00184	0.00214	0.00201	0.00243	0.00221	AVRG		0.00209		10.54888	<-
45 Dibromomethane	0.16809	0.15151	0.14287	0.14491	0.15186	0.14154	AVRG		0.15013		6.53301	
46 Bromodichloromethane	0.34804	0.33740	0.33661	0.33072	0.35559	0.33573	AVRG		0.34068		2.71450	
47 2-Chloroethyl vinyl ether	0.17644	0.16873	0.16722	0.16886	0.17055	0.16325	AVRG		0.16918		2.56112	
48 cis-1,3-Dichloropropene	0.48933	0.47147	0.46167	0.47020	0.49849	0.46660	AVRG		0.47630		3.01462	
49 4-Methyl-2-pentanone	0.28499	0.27166	0.27282	0.25800	0.26740	0.24204	AVRG		0.26615		5.52035	
50 Toluene	1.36425	1.34570	1.27718	1.28833	1.35663	1.23946	AVRG		1.31192		3.87051	
51 trans-1,3-Dichloropropene	0.49512	0.45421	0.44097	0.46560	0.47664	0.43945	AVRG		0.46200		4.67839	
52 Ethyl Methacrylate	0.43471	0.39306	0.39785	0.41047	0.41242	0.38377	AVRG		0.40538		4.42846	
53 1,1,2-Trichloroethane	0.28530	0.24855	0.24299	0.24809	0.25849	0.23867	AVRG		0.25368		6.64331	
54 1,3-Dichloropropane	0.46113	0.45611	0.45702	0.46116	0.47770	0.43689	AVRG		0.45833		2.85719	
55 Tetrachloroethene	0.28181	0.27947	0.27006	0.28031	0.28911	0.26794	AVRG		0.27812		2.82914	
56 2-Hexanone	0.23226	0.21511	0.22247	0.21777	0.21515	0.17785	AVRG		0.21343		8.70758	
57 Dibromochloromethane	0.30887	0.26621	0.27742	0.27783	0.29726	0.27795	AVRG		0.28426		5.51315	
58 1,2-Dibromoethane	0.29299	0.26388	0.26190	0.26746	0.28170	0.25505	AVRG		0.27050		5.22005	
59 Chlorobenzene	1.01258	0.98934	0.95901	0.97326	1.04070	0.94694	AVRG		0.98697		3.54489	
60 1,1,1,2-Tetrachloroethane	0.34311	0.32891	0.31881	0.33208	0.34581	0.32482	AVRG		0.33226		3.15307	
61 Ethylbenzene	0.53762	0.55763	0.53023	0.54237	0.57833	0.53461	AVRG		0.54680		3.31055	
62 m + p-Xylene	0.71545	0.71121	0.66742	0.67923	0.73819	0.67798	AVRG		0.69825		3.93902	
63 Xylenes (total)	0.70354	0.69964	0.66344	0.67764	0.73065	0.66781	AVRG		0.69045		3.70835	
64 Xylene-o	0.67970	0.67650	0.65549	0.67447	0.71557	0.64747	AVRG		0.67487		3.51246	
65 Styrene	1.22684	1.19356	1.14272	1.17045	1.24249	1.13408	AVRG		1.18502		3.72079	

eport Date : 22-Jun-2005 15:57

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
nd Cal Date : 22-JUN-2005 15:15
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
66 Bromoform	0.18814	0.17895	0.18142	0.18528	0.19033	0.18457	AVRG		0.18478		2.26668
67 Isopropylbenzene	1.66900	1.62750	1.58062	1.60916	1.71149	1.57194	AVRG		1.62828		3.29526
68 1,1,2,2-Tetrachloroethane	0.57283	0.56876	0.55555	0.57501	0.58057	0.52256	AVRG		0.56255		3.78997
69 1,4-Dichloro-2-butene	0.19766	0.19194	0.17793	0.18119	0.18965	0.17586	AVRG		0.18570		4.66512
70 1,2,3-Trichloropropane	0.21178	0.20222	0.19600	0.18916	0.19026	0.17365	AVRG		0.19384		6.68402
71 Bromobenzene	0.78313	0.77266	0.74472	0.75506	0.79921	0.72999	AVRG		0.76413		3.35630
72 n-Propylbenzene	0.84017	0.84256	0.80747	0.82368	0.87825	0.81056	AVRG		0.83378		3.14072
73 2-Chlorotoluene	0.77743	0.70729	0.71151	0.69343	0.73708	0.68275	AVRG		0.71825		4.78222
74 1,3,5-Trimethylbenzene	2.49712	2.48061	2.38828	2.40972	2.60722	2.39519	AVRG		2.46303		3.41116
75 4-Chlorotoluene	0.74881	0.74721	0.72279	0.73396	0.77976	0.72125	AVRG		0.74230		2.92862
76 tert-Butylbenzene	2.23895	2.19198	2.13183	2.15363	2.27964	2.09208	AVRG		2.18135		3.19466
77 1,2,4-Trimethylbenzene	2.68972	2.58765	2.47916	2.50403	2.70782	2.45703	AVRG		2.57090		4.22525
78 sec-Butylbenzene	3.04009	2.98789	2.95583	2.95480	3.13663	2.91377	AVRG		2.99817		2.66120
79 4-Isopropyltoluene	2.57987	2.52216	2.50232	2.53771	2.73404	2.47192	AVRG		2.55800		3.65369
80 1,3-Dichlorobenzene	1.57691	1.46889	1.42760	1.43323	1.54124	1.39434	AVRG		1.47370		4.82664
81 1,4-Dichlorobenzene	1.57328	1.49451	1.46540	1.46650	1.58296	1.43219	AVRG		1.50248		4.12033
82 n-Butylbenzene	2.17643	2.17905	2.13902	2.17325	2.34749	2.11676	AVRG		2.18867		3.73089
83 1,2-Dichlorobenzene	1.40677	1.38045	1.34662	1.35759	1.44446	1.28211	AVRG		1.36967		4.05581
84 1,2-Dibromo-3-chloropropane	0.12649	0.11303	0.10801	0.11459	0.10670	0.09169	AVRG		0.11008		10.37663
85 1,2,4-Trichlorobenzene	0.58328	0.52482	0.49423	0.50122	0.52060	+++++	AVRG		0.52483		6.68793
86 Hexachlorobutadiene	0.34602	0.35027	0.32632	0.31577	0.32409	0.23653	AVRG		0.31650		13.07375
87 Naphthalene	0.80550	0.72015	0.65907	0.68816	0.66950	+++++	AVRG		0.70848		8.32726

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
nd Cal Date : 22-JUN-2005 15:15
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.10484	0.10572	0.07982	0.08582	0.08564	+++++	AVRG		0.09237		13.02935	
89 Ethyl Ether	0.21859	0.19168	0.17892	0.17608	0.18483	0.17530	AVRG		0.18757		8.74111	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.13347	0.13061	0.12274	0.12354	0.12764	0.12271	AVRG		0.12679		3.58974	
92 Isopropyl Ether	0.23467	0.22047	0.22540	0.22602	0.23307	0.22443	AVRG		0.22734		2.39128	
93 2-Chloro-1,3-butadiene	0.42887	0.42454	0.40088	0.39543	0.39670	0.39478	AVRG		0.40687		3.82759	
94 Propionitrile	0.03551	0.03153	0.02954	0.02774	0.02868	0.02827	AVRG		0.03021		9.65149	
95 Ethyl Acetate	0.24085	0.21988	0.20184	0.19217	0.20863	0.19546	AVRG		0.20981		8.65105	
96 Methacrylonitrile	0.13901	0.14131	0.15112	0.13747	0.14635	0.13937	AVRG		0.14244		3.68663	
97 Isobutanol	0.00723	0.00690	0.00598	0.00590	0.00717	0.00643	AVRG		0.00660		8.85920	<-
98 Cyclohexane	0.58094	0.53263	0.51347	0.51970	0.52022	0.53403	AVRG		0.53350		4.60591	
99 n-Butanol	0.00593	0.00624	0.00583	0.00531	0.00643	0.00564	AVRG		0.00590		6.87288	<-
100 Methyl Methacrylate	0.23208	0.22692	0.21984	0.22015	0.23160	0.21906	AVRG		0.22494		2.68807	
101 2-Nitropropane	0.05451	0.04826	0.04896	0.04542	0.05171	0.04951	AVRG		0.04973		6.24046	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.01891	0.01863	0.01723	0.01593	0.01783	0.01586	AVRG		0.01740		7.50418	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

eport Date : 22-Jun-2005 15:57

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
id Cal Date : 22-JUN-2005 15:15
iant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.02881	0.98648	0.94814	0.96475	1.01895	0.81968	AVRG		0.96113		7.89057	
143 Methyl Acetate	0.20542	0.18142	0.17304	0.17276	0.17205	0.15668	AVRG		0.17689		9.10895	
144 Methylcyclohexane	0.54366	0.51114	0.48850	0.48150	0.46727	0.49827	AVRG		0.49839		5.35632	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	0.04136	0.04938	0.04157	0.04319	0.04345	0.04541	AVRG		0.04406		6.78611	
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.25200	0.22832	0.22999	0.23012	0.25034	0.22816	AVRG		0.23649		4.82707	
5 1,2-Dichloroethane-d4	0.35425	0.31630	0.31090	0.29172	0.31914	0.29161	AVRG		0.31399		7.34477	
6 Toluene-d8	1.07853	1.08819	1.11700	1.09547	1.16124	1.05799	AVRG		1.09974		3.25959	
7 Bromofluorobenzene	0.58064	0.54623	0.53325	0.52177	0.55983	0.49894	AVRG		0.54011		5.33234	

eport Date : 22-Jun-2005 15:57

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
nd Cal Date : 22-JUN-2005 15:15
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Report Date: 22-Jun-2005 14:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Lab Smp Id: 5NG-IC
Inj Date : 22-JUN-2005 10:06
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:50 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:11 Cal File: UXJ4781.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1957148	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1978984	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1146074	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	49321	5.00000	5.328
$ 5	1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	69332	5.00000	5.641
$ 6	Toluene-d8	98	6.334	6.334	(0.830)	213440	5.00000	4.904
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	114907	5.00000	5.375
8	Dichlorodifluoromethane	85	1.518	1.518	(0.304)	79568	5.00000	6.073
9	Chloromethane	50	1.648	1.648	(0.330)	65295	5.00000	5.443
10	Vinyl Chloride	62	1.731	1.731	(0.346)	66343	5.00000	5.206
11	Bromomethane	94	2.003	2.003	(0.401)	20613	5.00000	10.430
12	Chloroethane	64	2.085	2.085	(0.417)	30422	5.00000	4.926
13	Trichlorofluoromethane	101	2.287	2.287	(0.458)	49471	5.00000	4.793
15	Acrolein	56	2.594	2.594	(0.519)	56522	50.0000	53.940
16	Acetone	43	2.701	2.701	(0.541)	76446	10.0000	8.385
17	1,1-Dichloroethene	96	2.701	2.701	(0.541)	57174	5.00000	5.460
18	Freon-113	151	2.701	2.701	(0.541)	45676	5.00000	5.026
19	Iodomethane	142	2.819	2.819	(0.564)	71008	5.00000	10.168
20	Carbon Disulfide	76	2.878	2.878	(0.576)	172051	5.00000	5.252
21	Methylene Chloride	84	3.068	3.068	(0.614)	219686	5.00000	5.775
22	Acetonitrile	41	2.914	2.914	(0.583)	67502	50.0000	61.770
23	Acrylonitrile	53	3.233	3.233	(0.647)	150513	50.0000	50.456

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Report Date: 22-Jun-2005 14:50

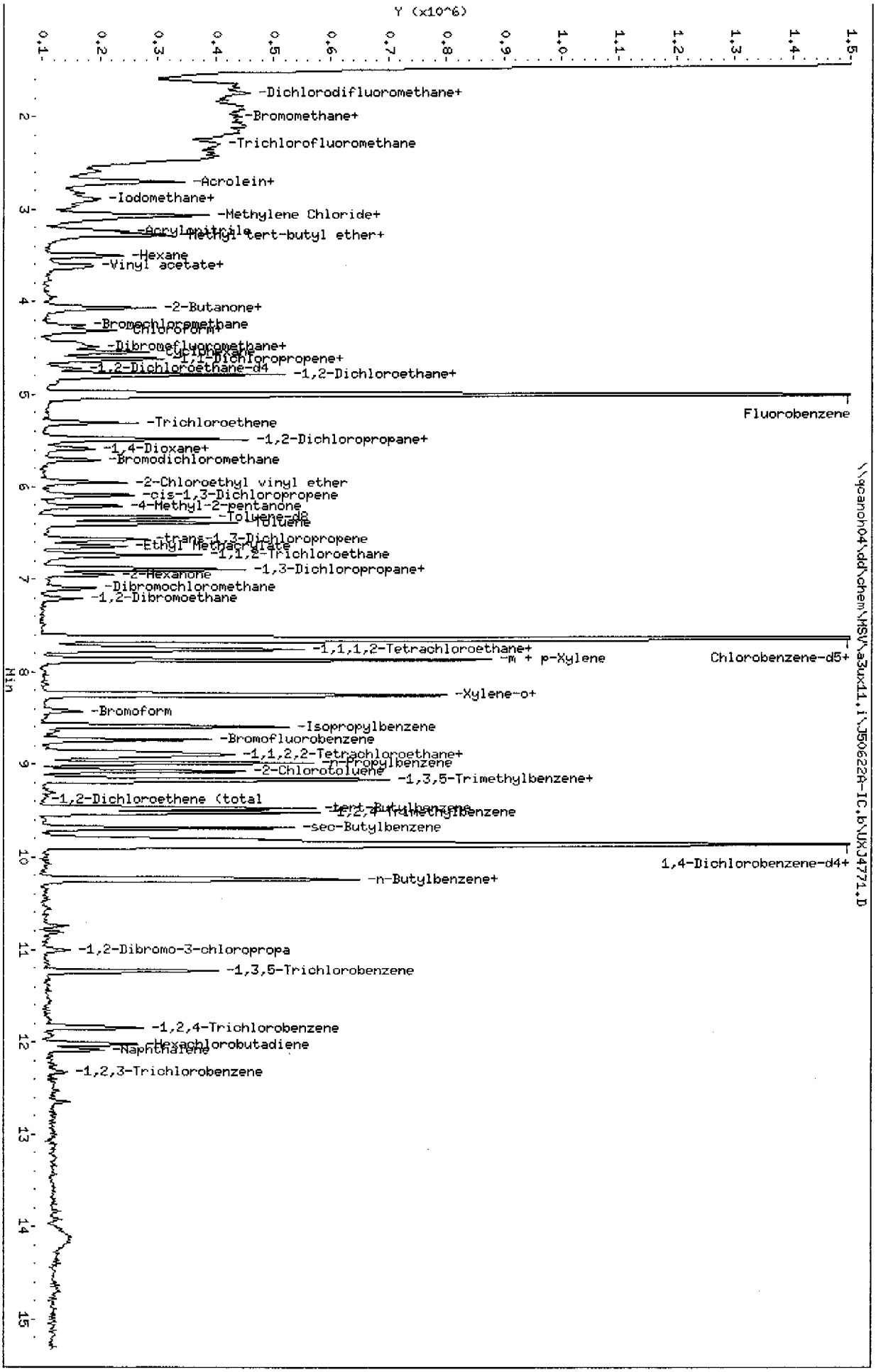
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.281	3.281	(0.657)	140116	5.00000	5.245
25 trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	54853	5.00000	5.416
26 Hexane	86	3.505	3.505	(0.702)	18900	5.00000	6.222
27 Vinyl acetate	43	3.636	3.636	(0.728)	88175	5.00000	5.260
28 1,1-Dichloroethane	63	3.600	3.600	(0.721)	93007	5.00000	5.289
29 tert-Butyl Alcohol	59	3.127	3.127	(0.626)	79799	100.000	117.20
30 2-Butanone	43	4.062	4.062	(0.813)	63406	10.0000	9.928
32 cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	57907	5.00000	5.319
33 2,2-Dichloropropane	77	4.073	4.073	(0.815)	61743	5.00000	5.419
34 Bromochloromethane	128	4.263	4.263	(0.853)	29154	5.00000	5.614
35 Chloroform	83	4.310	4.310	(0.863)	89273	5.00000	5.301
36 Tetrahydrofuran	42	4.298	4.298	(0.860)	30847	5.00000	4.262
37 1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	66885	5.00000	4.907
38 1,1-Dichloropropene	75	4.606	4.606	(0.922)	77533	5.00000	5.447
39 Carbon Tetrachloride	117	4.618	4.618	(0.924)	63812	5.00000	5.232
40 1,2-Dichloroethane	62	4.783	4.783	(0.957)	70534	5.00000	5.263
41 Benzene	78	4.783	4.783	(0.957)	434076	5.00000	5.232
42 Trichloroethene	130	5.304	5.304	(1.062)	62952	5.00000	5.440
43 1,2-Dichloropropane	63	5.482	5.482	(1.097)	58446	5.00000	5.389
44 1,4-Dioxane	88	5.588	5.588	(1.118)	18560	250.000	227.14(A)
45 Dibromomethane	93	5.588	5.588	(1.118)	32897	5.00000	5.598
46 Bromodichloromethane	83	5.706	5.706	(1.142)	68116	5.00000	5.108
47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	69064	10.0000	10.429
48 cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	95769	5.00000	5.137
49 4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	111554	10.0000	10.708
50 Toluene	91	6.393	6.393	(0.837)	269982	5.00000	5.199
51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	97984	5.00000	5.358
52 Ethyl Methacrylate	69	6.641	6.641	(0.870)	86029	5.00000	5.362
53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	56461	5.00000	5.623
54 1,3-Dichloropropane	76	6.890	6.890	(0.902)	91256	5.00000	5.030
55 Tetrachloroethene	164	6.890	6.890	(0.902)	55770	5.00000	5.066
56 2-Hexanone	43	6.949	6.949	(0.910)	91928	10.0000	10.882
57 Dibromochloromethane	129	7.103	7.103	(0.930)	61124	5.00000	5.433
58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	57982	5.00000	5.416
59 Chlorobenzene	112	7.659	7.659	(1.003)	200387	5.00000	5.130
60 1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	67900	5.00000	5.163
61 Ethylbenzene	106	7.753	7.753	(1.015)	106394	5.00000	4.916
62 m + p-Xylene	106	7.872	7.872	(1.031)	283174	10.0000	10.246
64 Xylene-o	106	8.239	8.239	(1.079)	134512	5.00000	5.036
65 Styrene	104	8.250	8.250	(1.081)	242790	5.00000	5.176
66 Bromoform	173	8.428	8.428	(1.104)	37233	5.00000	5.091
67 Isopropylbenzene	105	8.594	8.594	(1.126)	330293	5.00000	5.125
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	65651	5.00000	5.091
69 1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	22653	5.00000	5.322
70 1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	24272	5.00000	5.463
71 Bromobenzene	156	8.889	8.889	(0.902)	89753	5.00000	5.124
72 n-Propylbenzene	120	8.984	8.984	(0.911)	96290	5.00000	5.038
73 2-Chlorotoluene	126	9.067	9.067	(0.920)	89099	5.00000	5.412
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	286189	5.00000	5.069
75 4-Chlorotoluene	126	9.173	9.173	(0.930)	85819	5.00000	5.044
76 tert-Butylbenzene	119	9.469	9.469	(0.960)	256600	5.00000	5.132
77 1,2,4-Trimethylbenzene	105	9.517	9.517	(0.965)	308262	5.00000	5.231
78 sec-Butylbenzene	105	9.682	9.682	(0.982)	348417	5.00000	5.070
79 4-Isopropyltoluene	119	9.824	9.824	(0.996)	295672	5.00000	5.043

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Report Date: 22-Jun-2005 14:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.801	9.801	(0.994)	180725	5.00000	5.350
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	180310	5.00000	5.236
82	n-Butylbenzene	91	10.227	10.227	(1.037)	249435	5.00000	4.972
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	161226	5.00000	5.135
84	1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.116)	14497	5.00000	5.745
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	66848	5.00000	5.557
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	39656	5.00000	5.466
87	Naphthalene	128	12.084	12.084	(1.226)	92316	5.00000	5.685
88	1,2,3-Trichlorobenzene	180	12.321	12.321	(1.250)	12015	5.00000	5.675
98	Cyclohexane	56	4.535	4.535	(0.908)	113698	5.00000	5.444
143	Methyl Acetate	43	2.961	2.961	(0.593)	80406	10.0000	11.612(A)
144	Methylcyclohexane	83	5.482	5.482	(1.097)	106402	5.00000	5.454(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	117909	5.00000	5.352(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 22-JUN-2005 10:06
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile
-Methyl tert-butyl ether+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-1,2-Dichloroethene (total
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Report Date: 22-Jun-2005 14:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Lab Smp Id: 10NG-IC
Inj Date : 22-JUN-2005 10:28
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:50 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 13:29 Cal File: UXJ4779.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1939658	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1936697	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1130406	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	88572	10.0000	9.654
$ 5	1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	122701	10.0000	10.074
$ 6	Toluene-d8	98	6.333	6.333	(0.830)	421497	10.0000	9.895
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	211577	10.0000	10.113
8	Dichlorodifluoromethane	85	1.517	1.517	(0.304)	132123	10.0000	10.175
9	Chloromethane	50	1.648	1.648	(0.330)	113874	10.0000	9.578
10	Vinyl Chloride	62	1.742	1.742	(0.349)	130427	10.0000	10.326
11	Bromomethane	94	2.003	2.003	(0.401)	40337	10.0000	13.737
12	Chloroethane	64	2.085	2.085	(0.417)	63795	10.0000	10.423
13	Trichlorofluoromethane	101	2.287	2.287	(0.458)	99593	10.0000	9.737
15	Acrolein	56	2.594	2.594	(0.519)	103945	100.000	100.09
16	Acetone	43	2.701	2.701	(0.541)	106930	20.0000	21.473
17	1,1-Dichloroethene	96	2.689	2.689	(0.538)	107039	10.0000	10.314
18	Freon-113	151	2.701	2.701	(0.541)	93248	10.0000	10.354
19	Iodomethane	142	2.819	2.819	(0.564)	130127	10.0000	13.368
20	Carbon Disulfide	76	2.890	2.890	(0.578)	327604	10.0000	10.091
21	Methylene Chloride	84	3.068	3.068	(0.614)	252304	10.0000	9.158
22	Acetonitrile	41	2.914	2.914	(0.583)	103549	100.000	95.610
23	Acrylonitrile	53	3.233	3.233	(0.647)	292563	100.000	98.959

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Report Date: 22-Jun-2005 14:50

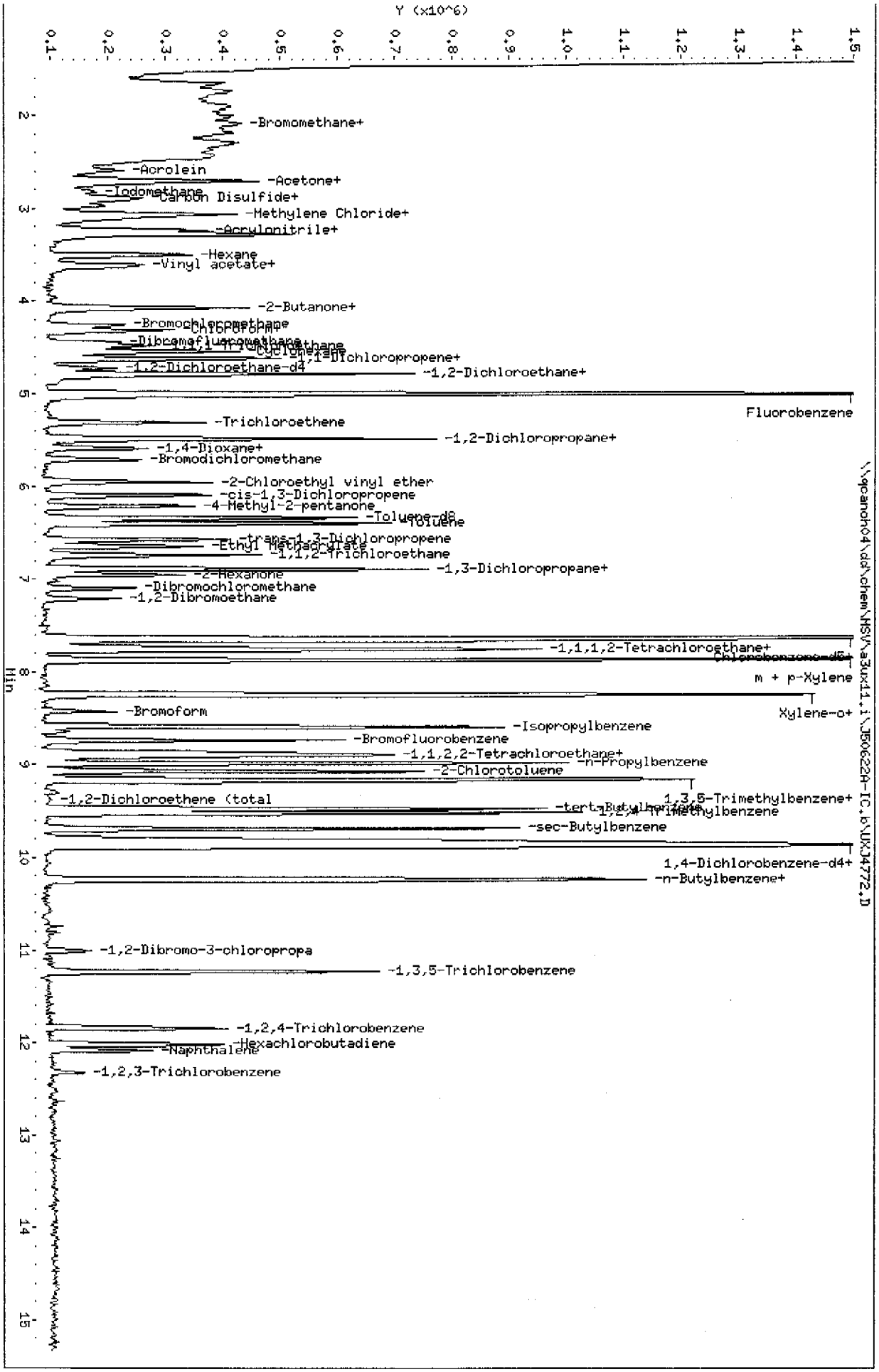
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.281	3.281	(0.657)	263070	10.0000	9.936
25	trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	100932	10.0000	10.057
26	Hexane	86	3.505	3.505	(0.702)	33010	10.0000	10.966
27	Vinyl acetate	43	3.636	3.636	(0.728)	167211	10.0000	10.065
28	1,1-Dichloroethane	63	3.612	3.612	(0.723)	178966	10.0000	10.268
29	tert-Butyl Alcohol	59	3.127	3.127	(0.626)	121954	200.000	180.73
30	2-Butanone	43	4.062	4.062	(0.813)	87435	20.0000	16.576
32	cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	114585	10.0000	10.619
33	2,2-Dichloropropane	77	4.073	4.073	(0.815)	112552	10.0000	9.968
34	Bromochloromethane	128	4.263	4.263	(0.853)	51692	10.0000	10.043
35	Chloroform	83	4.310	4.310	(0.863)	165333	10.0000	9.906
36	Tetrahydrofuran	42	4.298	4.298	(0.860)	45785	10.0000	10.803
37	1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	138423	10.0000	10.247
38	1,1-Dichloropropene	75	4.618	4.618	(0.924)	141295	10.0000	10.016
39	Carbon Tetrachloride	117	4.630	4.630	(0.927)	119692	10.0000	9.902
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	132693	10.0000	9.990
41	Benzene	78	4.783	4.783	(0.957)	609604	10.0000	9.549
42	Trichloroethene	130	5.304	5.304	(1.062)	113454	10.0000	9.893
43	1,2-Dichloropropane	63	5.482	5.482	(1.097)	107641	10.0000	10.015
44	1,4-Dioxane	88	5.588	5.588	(1.118)	35617	500.000	439.81(A)
45	Dibromomethane	93	5.588	5.588	(1.118)	58776	10.0000	10.092
46	Bromodichloromethane	83	5.706	5.706	(1.142)	130889	10.0000	9.904
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	130915	20.0000	19.948
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	182899	10.0000	9.899
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	210774	20.0000	20.414
50	Toluene	91	6.393	6.393	(0.837)	521242	10.0000	10.257
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	175933	10.0000	9.831
52	Ethyl Methacrylate	69	6.641	6.641	(0.870)	152248	10.0000	9.696
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	96273	10.0000	9.798
54	1,3-Dichloropropane	76	6.890	6.890	(0.902)	176670	10.0000	9.951
55	Tetrachloroethene	164	6.890	6.890	(0.902)	108249	10.0000	10.049
56	2-Hexanone	43	6.949	6.949	(0.910)	166639	20.0000	20.157
57	Dibromochloromethane	129	7.103	7.103	(0.930)	103114	10.0000	9.365
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	102213	10.0000	9.756
59	Chlorobenzene	112	7.659	7.659	(1.003)	383210	10.0000	10.024
60	1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	127399	10.0000	9.899
61	Ethylbenzene	106	7.753	7.753	(1.015)	215992	10.0000	10.198
62	m + p-Xylene	106	7.872	7.872	(1.031)	550961	20.0000	20.371
64	Xylene-o	106	8.239	8.239	(1.079)	262037	10.0000	10.024
65	Styrene	104	8.250	8.250	(1.081)	462313	10.0000	10.072
66	Bromoform	173	8.428	8.428	(1.104)	69315	10.0000	9.684
67	Isopropylbenzene	105	8.594	8.594	(1.126)	630394	10.0000	9.995
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	128586	10.0000	10.110
69	1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	43395	10.0000	10.336
70	1,2,3-Trichloropropane	110	8.913	8.913	(0.904)	45718	10.0000	10.432
71	Bromobenzene	156	8.889	8.889	(0.902)	174684	10.0000	10.112
72	n-Propylbenzene	120	8.984	8.984	(0.911)	190488	10.0000	10.105
73	2-Chlorotoluene	126	9.079	9.079	(0.921)	159906	10.0000	9.848
74	1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	560820	10.0000	10.071
75	4-Chlorotoluene	126	9.173	9.173	(0.930)	168931	10.0000	10.066
76	tert-Butylbenzene	119	9.469	9.469	(0.960)	495566	10.0000	10.049
77	1,2,4-Trimethylbenzene	105	9.517	9.517	(0.965)	585018	10.0000	10.065
78	sec-Butylbenzene	105	9.682	9.682	(0.982)	675506	10.0000	9.966
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	570214	10.0000	9.860

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Report Date: 22-Jun-2005 14:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.801	9.801	(0.994)	332089	10.0000	9.967
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	337881	10.0000	9.947
82	n-Butylbenzene	91	10.227	10.227	(1.037)	492643	10.0000	9.956
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	312093	10.0000	10.079
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	25555	10.0000	10.268
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	118652	10.0000	10.00
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	79189	10.0000	11.067
87	Naphthalene	128	12.084	12.084	(1.226)	162812	10.0000	10.165
88	1,2,3-Trichlorobenzene	180	12.321	12.321	(1.250)	23901	10.0000	11.446
98	Cyclohexane	56	4.547	4.547	(0.910)	206624	10.0000	9.984
143	Methyl Acetate	43	2.973	2.973	(0.595)	140756	20.0000	20.512(A)
144	Methylcyclohexane	83	5.482	5.482	(1.097)	198288	10.0000	10.256(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	223025	10.0000	10.264(A)

QC Flag Legend

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



Data File: \\qcanoh04\dd\chem\HSV\a3ux11.i\J50622A-IC.b\UX14772.D
Date : 22-JUN-2005 10:28
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Report Date: 22-Jun-2005 14:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Lab Smp Id: 25NG-IC
Inj Date : 22-JUN-2005 10:48
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:50 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 13:50 Cal File: UXJ4780.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1960921	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1953735	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1147791	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	225498	25.0000	24.313
$ 5	1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	304822	25.0000	24.754
$ 6	Toluene-d8	98	6.333	6.333	(0.830)	1091159	25.0000	25.392
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	520915	25.0000	24.682
8	Dichlorodifluoromethane	85	1.517	1.517	(0.304)	318679	25.0000	24.277
9	Chloromethane	50	1.648	1.648	(0.330)	302744	25.0000	25.188
10	Vinyl Chloride	62	1.742	1.742	(0.349)	268712	25.0000	21.044
11	Bromomethane	94	2.003	2.003	(0.401)	78967	25.0000	20.152
12	Chloroethane	64	2.097	2.097	(0.420)	156306	25.0000	25.260
13	Trichlorofluoromethane	101	2.287	2.287	(0.458)	240261	25.0000	23.234
15	Acrolein	56	2.594	2.594	(0.519)	270082	250.000	257.25
16	Acetone	43	2.713	2.713	(0.543)	175468	50.0000	49.455
17	1,1-Dichloroethene	96	2.701	2.701	(0.541)	229373	25.0000	21.862
18	Freon-113	151	2.713	2.713	(0.543)	218352	25.0000	23.982
19	Iodomethane	142	2.819	2.819	(0.564)	260614	25.0000	20.310
20	Carbon Disulfide	76	2.890	2.890	(0.578)	777417	25.0000	23.686
21	Methylene Chloride	84	3.068	3.068	(0.614)	403272	25.0000	23.500
22	Acetonitrile	41	2.926	2.926	(0.586)	264248	250.000	241.34
23	Acrylonitrile	53	3.233	3.233	(0.647)	765765	250.000	256.21

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Report Date: 22-Jun-2005 14:50

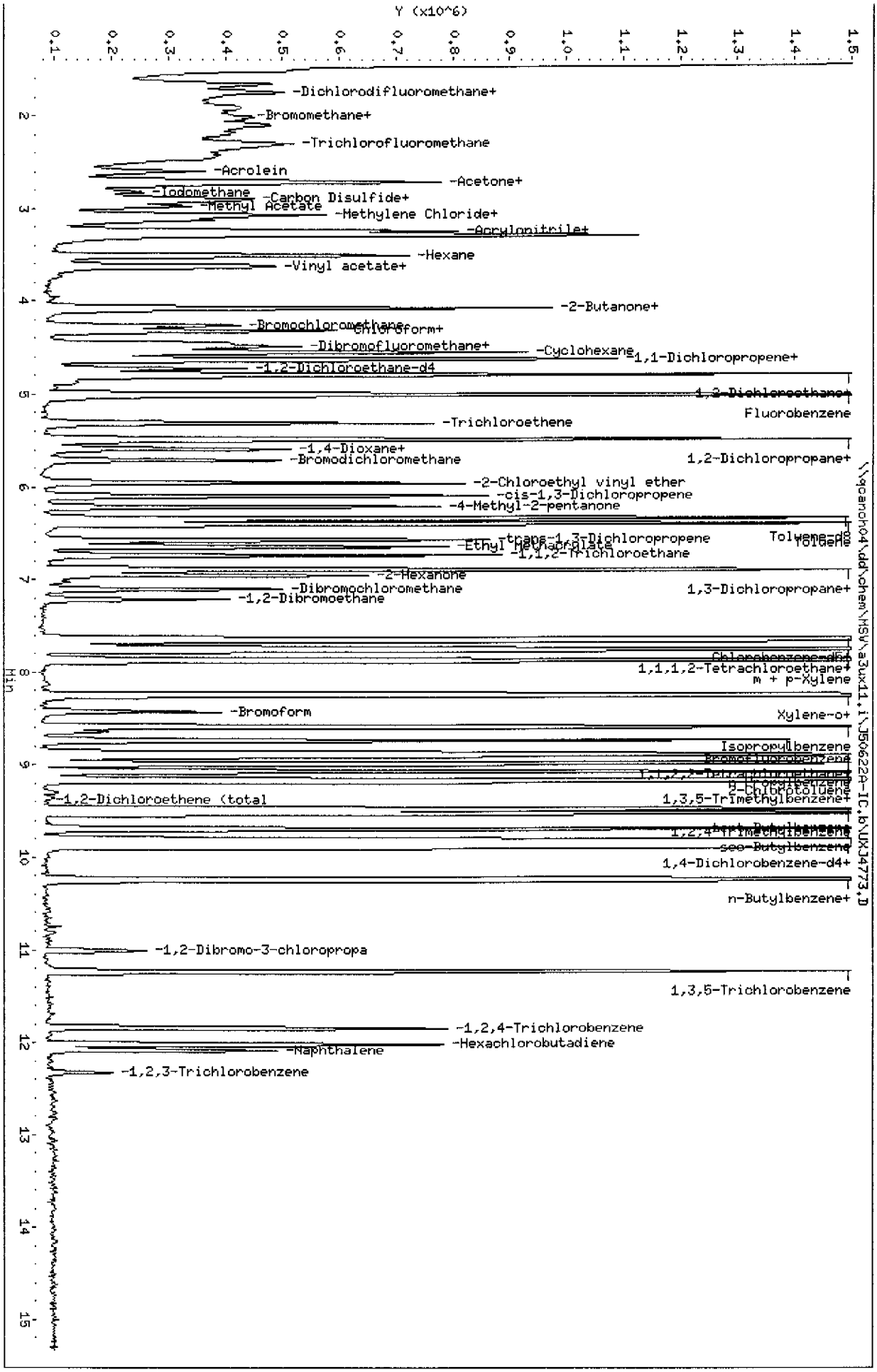
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.281	3.281	(0.657)	658746	25.0000	24.612
25 trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	236227	25.0000	23.282
26 Hexane	86	3.505	3.505	(0.702)	70877	25.0000	23.290
27 Vinyl acetate	43	3.636	3.636	(0.728)	439619	25.0000	26.175
28 1,1-Dichloroethane	63	3.612	3.612	(0.723)	428849	25.0000	24.339
29 tert-Butyl Alcohol	59	3.127	3.127	(0.626)	342036	500.000	501.38
30 2-Butanone	43	4.062	4.062	(0.813)	233674	50.0000	55.422
32 cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	263001	25.0000	24.110
33 2,2-Dichloropropane	77	4.073	4.073	(0.815)	275247	25.0000	24.113
34 Bromochloromethane	128	4.263	4.263	(0.853)	121121	25.0000	23.277
35 Chloroform	83	4.322	4.322	(0.865)	412255	25.0000	24.433
36 Tetrahydrofuran	42	4.298	4.298	(0.860)	80867	25.0000	25.509
37 1,1,1-Trichloroethane	97	4.487	4.487	(0.898)	332429	25.0000	24.342
38 1,1-Dichloropropene	75	4.618	4.618	(0.924)	342229	25.0000	23.997
39 Carbon Tetrachloride	117	4.629	4.629	(0.927)	297970	25.0000	24.382
40 1,2-Dichloroethane	62	4.783	4.783	(0.957)	326932	25.0000	24.346
41 Benzene	78	4.783	4.783	(0.957)	1256750	25.0000	24.794
42 Trichloroethene	130	5.304	5.304	(1.062)	278714	25.0000	24.041
43 1,2-Dichloropropane	63	5.481	5.481	(1.097)	268119	25.0000	24.675
44 1,4-Dioxane	88	5.588	5.588	(1.118)	105153	1250.00	1284.4(A)
45 Dibromomethane	93	5.588	5.588	(1.118)	140083	25.0000	23.792
46 Bromodichloromethane	83	5.706	5.706	(1.142)	330031	25.0000	24.701
47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	327902	50.0000	49.421
48 cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	452652	25.0000	24.232
49 4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	534976	50.0000	51.252
50 Toluene	91	6.393	6.393	(0.837)	1247637	25.0000	24.338
51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	430770	25.0000	23.862
52 Ethyl Methacrylate	69	6.641	6.641	(0.870)	388650	25.0000	24.536
53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	237369	25.0000	23.946
54 1,3-Dichloropropane	76	6.890	6.890	(0.902)	446446	25.0000	24.928
55 Tetrachloroethene	164	6.890	6.890	(0.902)	263815	25.0000	24.276
56 2-Hexanone	43	6.949	6.949	(0.910)	434646	50.0000	52.117
57 Dibromochloromethane	129	7.103	7.103	(0.930)	271005	25.0000	24.399
58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	255843	25.0000	24.206
59 Chlorobenzene	112	7.659	7.659	(1.003)	936822	25.0000	24.292
60 1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	311435	25.0000	23.988
61 Ethylbenzene	106	7.753	7.753	(1.015)	517966	25.0000	24.242
62 m + p-Xylene	106	7.872	7.872	(1.031)	1303959	50.0000	47.792
64 Xylene-o	106	8.239	8.239	(1.079)	640326	25.0000	24.282
65 Styrene	104	8.250	8.250	(1.081)	1116286	25.0000	24.108
66 Bromoform	173	8.428	8.428	(1.104)	177219	25.0000	24.544
67 Isopropylbenzene	105	8.594	8.594	(1.126)	1544052	25.0000	24.268
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	318829	25.0000	24.689
69 1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	102111	25.0000	23.953
70 1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	112483	25.0000	25.278
71 Bromobenzene	156	8.889	8.889	(0.902)	427393	25.0000	24.365
72 n-Propylbenzene	120	8.984	8.984	(0.911)	463402	25.0000	24.211
73 2-Chlorotoluene	126	9.079	9.079	(0.921)	408332	25.0000	24.765
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	1370621	25.0000	24.241
75 4-Chlorotoluene	126	9.173	9.173	(0.930)	414804	25.0000	24.343
76 tert-Butylbenzene	119	9.469	9.469	(0.960)	1223450	25.0000	24.432
77 1,2,4-Trimethylbenzene	105	9.516	9.516	(0.965)	1422779	25.0000	24.108
78 sec-Butylbenzene	105	9.682	9.682	(0.982)	1696336	25.0000	24.647
79 4-Isopropyltoluene	119	9.824	9.824	(0.996)	1436070	25.0000	24.456

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Report Date: 22-Jun-2005 14:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	819291	25.0000	24.218
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	840989	25.0000	24.383
82	n-Butylbenzene	91	10.226	10.226	(1.037)	1227575	25.0000	24.433
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	772817	25.0000	24.579
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	61985	25.0000	24.528
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	283636	25.0000	23.542
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	187272	25.0000	25.776
87	Naphthalene	128	12.084	12.084	(1.226)	378236	25.0000	23.256
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	45809	25.0000	21.604
98	Cyclohexane	56	4.547	4.547	(0.910)	503440	25.0000	24.062
143	Methyl Acetate	43	2.973	2.973	(0.595)	339320	50.0000	48.911(A)
144	Methylcyclohexane	83	5.481	5.481	(1.097)	478957	25.0000	24.504(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	544131	25.0000	24.662(A)

QC Flag Legend

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



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Date : 22-JUN-2005 10:48
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Report Date: 22-Jun-2005 14:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Lab Smp Id: 50NG-IC
Inj Date : 22-JUN-2005 11:10
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:51 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:11 Cal File: UXJ4781.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.996	4.996	(1.000)	1959821	50.0000	
*	2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1916458	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1129587	50.0000	
$	4 Dibromofluoromethane	113	4.440	4.440	(0.889)	450989	50.0000	48.653
$	5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	571710	50.0000	46.454
$	6 Toluene-d8	98	6.333	6.333	(0.830)	2099423	50.0000	49.806
$	7 Bromofluorobenzene	95	8.736	8.736	(1.144)	999948	50.0000	48.302
	8 Dichlorodifluoromethane	85	1.517	1.517	(0.304)	614877	50.0000	46.867
	9 Chloromethane	50	1.648	1.648	(0.330)	563495	50.0000	46.909
	10 Vinyl Chloride	62	1.742	1.742	(0.349)	593310	50.0000	46.491
	11 Bromomethane	94	2.003	2.003	(0.401)	193528	50.0000	40.521
	12 Chloroethane	64	2.085	2.085	(0.417)	310082	50.0000	50.140
	13 Trichlorofluoromethane	101	2.287	2.287	(0.458)	534131	50.0000	51.682
	15 Acrolein	56	2.594	2.594	(0.519)	511490	500.000	487.46
	16 Acetone	43	2.701	2.701	(0.541)	319695	100.000	109.44
	17 1,1-Dichloroethene	96	2.701	2.701	(0.541)	482322	50.0000	45.998
	18 Freon-113	151	2.713	2.713	(0.543)	444459	50.0000	48.843
	19 Iodomethane	142	2.831	2.831	(0.567)	637640	50.0000	41.424
	20 Carbon Disulfide	76	2.890	2.890	(0.578)	1613342	50.0000	49.182
	21 Methylene Chloride	84	3.068	3.068	(0.614)	646293	50.0000	47.051
	22 Acetonitrile	41	2.914	2.914	(0.583)	520323	500.000	475.49
	23 Acrylonitrile	53	3.233	3.233	(0.647)	1511548	500.000	506.02

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Report Date: 22-Jun-2005 14:51

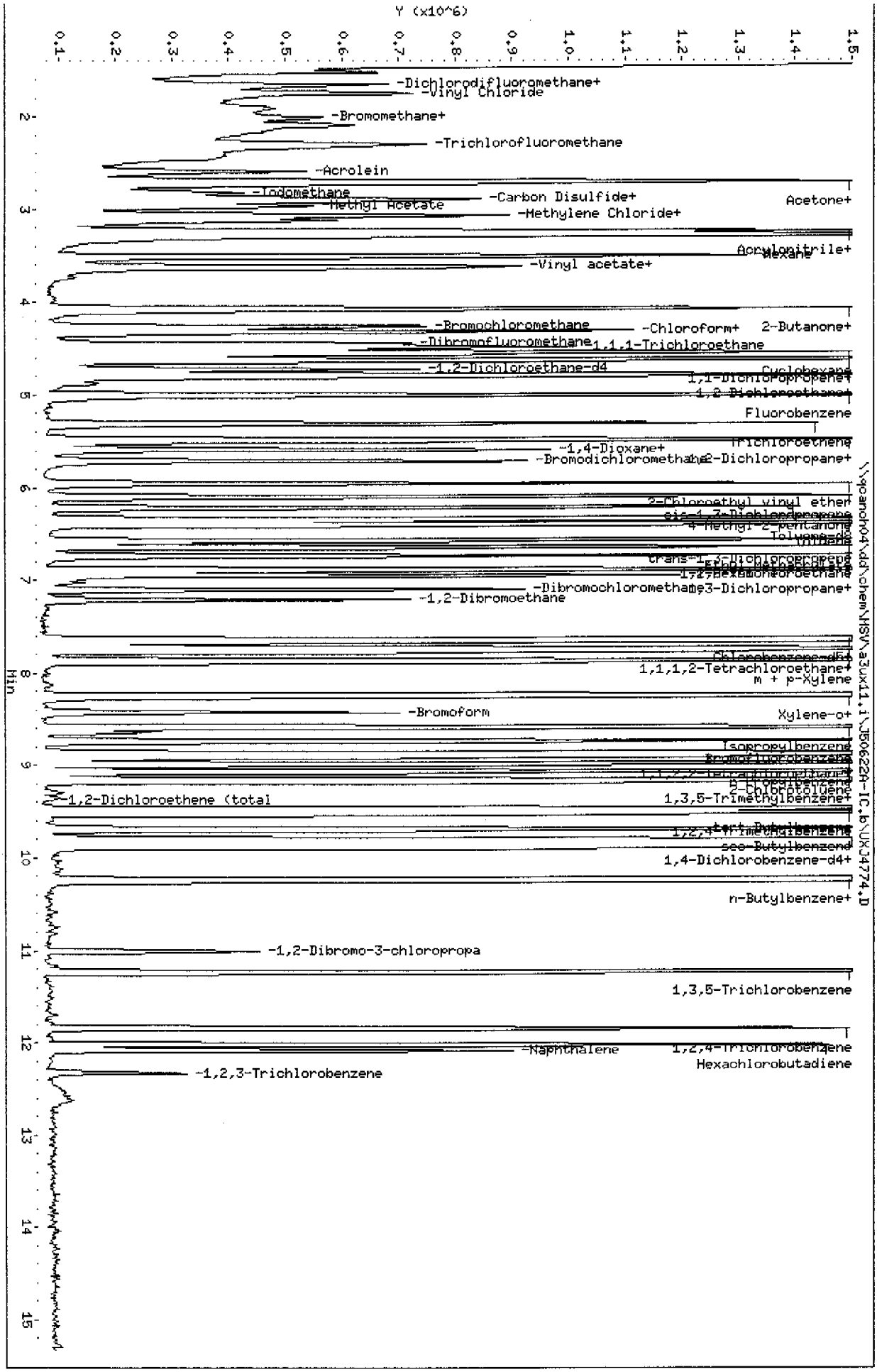
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.281	3.281	(0.657)	1328267	50.0000	49.655
25	trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	493740	50.0000	48.689
26	Hexane	86	3.505	3.505	(0.702)	147090	50.0000	48.360
27	Vinyl acetate	43	3.636	3.636	(0.728)	812433	50.0000	48.400
28	1,1-Dichloroethane	63	3.612	3.612	(0.723)	856186	50.0000	48.620
29	tert-Butyl Alcohol	59	3.127	3.127	(0.626)	672921	1000.00	986.96
30	2-Butanone	43	4.062	4.062	(0.813)	433822	100.000	109.00
32	cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	521433	50.0000	47.828
33	2,2-Dichloropropane	77	4.073	4.073	(0.815)	553286	50.0000	48.497
34	Bromochloromethane	128	4.263	4.263	(0.853)	258036	50.0000	49.618
35	Chloroform	83	4.310	4.310	(0.863)	813219	50.0000	48.223
36	Tetrahydrofuran	42	4.298	4.298	(0.860)	143052	50.0000	51.989
37	1,1,1-Trichloroethane	97	4.488	4.488	(0.898)	695442	50.0000	50.952
38	1,1-Dichloropropene	75	4.618	4.618	(0.924)	699851	50.0000	49.101
39	Carbon Tetrachloride	117	4.618	4.618	(0.924)	595819	50.0000	48.782
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	663269	50.0000	49.421
41	Benzene	78	4.783	4.783	(0.957)	2280367	50.0000	49.188
42	Trichloroethene	130	5.304	5.304	(1.062)	550069	50.0000	47.473
43	1,2-Dichloropropane	63	5.481	5.481	(1.097)	523457	50.0000	48.201
44	1,4-Dioxane	88	5.588	5.588	(1.118)	196676	2500.00	2403.6(A)
45	Dibromomethane	93	5.588	5.588	(1.118)	283995	50.0000	48.261
46	Bromodichloromethane	83	5.706	5.706	(1.142)	648150	50.0000	48.538
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	661885	100.000	99.815
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	921513	50.0000	49.360
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	1011277	100.000	96.938
50	Toluene	91	6.393	6.393	(0.837)	2469024	50.0000	49.101
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	892298	50.0000	50.389
52	Ethyl Methacrylate	69	6.641	6.641	(0.870)	786646	50.0000	50.628
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	475460	50.0000	48.898
54	1,3-Dichloropropane	76	6.890	6.890	(0.902)	883790	50.0000	50.308
55	Tetrachloroethene	164	6.890	6.890	(0.902)	537200	50.0000	50.394
56	2-Hexanone	43	6.949	6.949	(0.910)	834679	100.000	102.03
57	Dibromochloromethane	129	7.103	7.103	(0.930)	532454	50.0000	48.870
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	512576	50.0000	49.438
59	Chlorobenzene	112	7.659	7.659	(1.003)	1865220	50.0000	49.306
60	1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	636421	50.0000	49.974
61	Ethylbenzene	106	7.753	7.753	(1.015)	1039437	50.0000	49.595
62	m + p-Xylene	106	7.872	7.872	(1.031)	2603436	100.000	97.276
64	Xylene-o	106	8.239	8.239	(1.079)	1292598	50.0000	49.971
65	Styrene	104	8.250	8.250	(1.081)	2243118	50.0000	49.385
66	Bromoform	173	8.428	8.428	(1.104)	355084	50.0000	50.135
67	Isopropylbenzene	105	8.594	8.594	(1.126)	3083884	50.0000	49.413
68	1,1,2,2-Tetrachloroethane	83	8.866	8.866	(0.899)	649524	50.0000	51.108
69	1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	204666	50.0000	48.784
70	1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	213670	50.0000	48.791
71	Bromobenzene	156	8.889	8.889	(0.902)	852906	50.0000	49.407
72	n-Propylbenzene	120	8.984	8.984	(0.911)	930421	50.0000	49.394
73	2-Chlorotoluene	126	9.079	9.079	(0.921)	783284	50.0000	48.272
74	1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	2721994	50.0000	48.918
75	4-Chlorotoluene	126	9.173	9.173	(0.930)	829074	50.0000	49.438
76	tert-Butylbenzene	119	9.469	9.469	(0.960)	2432713	50.0000	49.364
77	1,2,4-Trimethylbenzene	105	9.516	9.516	(0.965)	2828524	50.0000	48.700
78	sec-Butylbenzene	105	9.682	9.682	(0.982)	3337708	50.0000	49.277
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	2866563	50.0000	49.603

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Report Date: 22-Jun-2005 14:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	1618958	50.0000	48.627
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1656544	50.0000	48.803
82	n-Butylbenzene	91	10.226	10.226	(1.037)	2454871	50.0000	49.648
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1533521	50.0000	49.559
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	129434	50.0000	52.044
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	566167	50.0000	47.750
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	356687	50.0000	49.884
87	Naphthalene	128	12.084	12.084	(1.226)	777336	50.0000	48.566
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	96940	50.0000	46.456
98	Cyclohexane	56	4.547	4.547	(0.910)	1018525	50.0000	48.707
143	Methyl Acetate	43	2.973	2.973	(0.595)	677162	100.000	97.664(A)
144	Methylcyclohexane	83	5.481	5.481	(1.097)	943657	50.0000	48.306(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	1089765	50.0000	50.188(A)

QC Flag Legend

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



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Date : 22-JUN-2005 11:10
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4776.D
Report Date: 22-Jun-2005 14:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4776.D
Lab Smp Id: 200NG-IC
Inj Date : 22-JUN-2005 12:22
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:51 a3ux11.i Quant Type: ISTD
Cal Date : 14-JUN-2005 02:31 Cal File: UXJ4631.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.996	4.996	(1.000)	1923164	50.0000	
*	2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1992029	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1151882	50.0000	
$	4 Dibromofluoromethane	113	4.440	4.440	(0.889)	1755119	200.000	192.95
$	5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	2243285	200.000	185.75
$	6 Toluene-d8	98	6.333	6.333	(0.830)	8430199	200.000	192.41
$	7 Bromofluorobenzene	95	8.735	8.735	(1.144)	3975606	200.000	184.75
	8 Dichlorodifluoromethane	85	1.517	1.517	(0.304)	2479518	200.000	192.60
	9 Chloromethane	50	1.647	1.647	(0.330)	2280562	200.000	193.47
	10 Vinyl Chloride	62	1.742	1.742	(0.349)	2570870	200.000	205.29(A)
	11 Bromomethane	94	2.002	2.002	(0.401)	866133	200.000	198.03
	12 Chloroethane	64	2.085	2.085	(0.417)	1158110	200.000	190.84
	13 Trichlorofluoromethane	101	2.286	2.286	(0.458)	2109386	200.000	207.99(A)
	15 Acrolein	56	2.594	2.594	(0.519)	1914304	2000.00	1859.1
	16 Acetone	43	2.701	2.701	(0.541)	933995	400.000	372.14(A)
	17 1,1-Dichloroethene	96	2.701	2.701	(0.541)	2107743	200.000	204.84(A)
	18 Freon-113	151	2.701	2.701	(0.541)	1851092	200.000	207.30(A)
	19 Iodomethane	142	2.819	2.819	(0.564)	2906620	200.000	198.37
	20 Carbon Disulfide	76	2.878	2.878	(0.576)	6347269	200.000	197.18
	21 Methylene Chloride	84	3.067	3.067	(0.614)	2161558	200.000	197.75
	22 Acetonitrile	41	2.914	2.914	(0.583)	1942687	2000.00	1809.1
	23 Acrylonitrile	53	3.233	3.233	(0.647)	5571353	2000.00	1900.7

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4776.D
Report Date: 22-Jun-2005 14:51

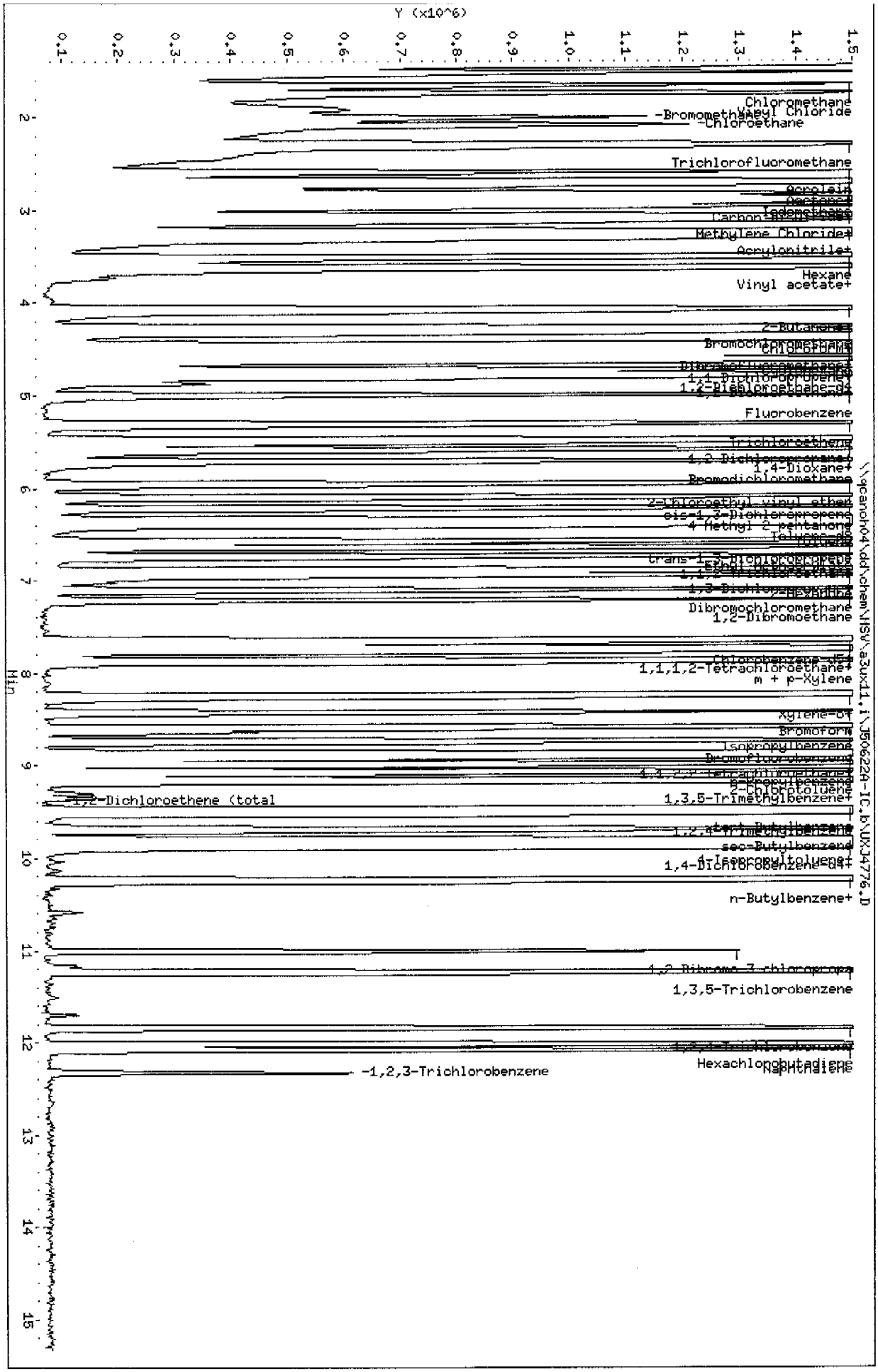
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.280	3.280	(0.657)	4975370	200.000	189.54
25	trans-1,2-Dichloroethene	96	3.280	3.280	(0.657)	1922119	200.000	193.16
26	Hexane	86	3.505	3.505	(0.702)	541287	200.000	181.36
27	Vinyl acetate	43	3.635	3.635	(0.728)	3027427	200.000	183.79
28	1,1-Dichloroethane	63	3.612	3.612	(0.723)	3254022	200.000	188.31
29	tert-Butyl Alcohol	59	3.127	3.127	(0.626)	2434800	4000.00	3639.1(A)
30	2-Butanone	43	4.061	4.061	(0.813)	1418851	400.000	379.77(A)
32	cis-1,2-dichloroethene	96	4.061	4.061	(0.813)	2017186	200.000	188.55
33	2,2-Dichloropropane	77	4.073	4.073	(0.815)	2070954	200.000	184.99
34	Bromochloromethane	128	4.263	4.263	(0.853)	958409	200.000	187.81
35	Chloroform	83	4.310	4.310	(0.863)	3193874	200.000	193.00
36	Tetrahydrofuran	42	4.298	4.298	(0.860)	462849	200.000	191.82
37	1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	2586755	200.000	193.13
38	1,1-Dichloropropene	75	4.618	4.618	(0.924)	2675103	200.000	191.26
39	Carbon Tetrachloride	117	4.618	4.618	(0.924)	2358496	200.000	196.78
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	2485140	200.000	188.70
41	Benzene	78	4.783	4.783	(0.957)	8345209	200.000	197.42
42	Trichloroethene	130	5.304	5.304	(1.062)	2213080	200.000	194.64
43	1,2-Dichloropropane	63	5.481	5.481	(1.097)	2023189	200.000	189.85
44	1,4-Dioxane	88	5.588	5.588	(1.118)	849560	10000.0	10580(A)
45	Dibromomethane	93	5.588	5.588	(1.118)	1088832	200.000	188.56
46	Bromodichloromethane	83	5.706	5.706	(1.142)	2582669	200.000	197.09
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	2511698	400.000	385.99(A)
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	3589417	200.000	195.93
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	3723784	400.000	363.75(A)
50	Toluene	91	6.392	6.392	(0.837)	9876126	200.000	188.95
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	3501592	200.000	190.24
52	Ethyl Methacrylate	69	6.641	6.641	(0.870)	3057899	200.000	189.34
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	1901781	200.000	188.17
54	1,3-Dichloropropane	76	6.889	6.889	(0.902)	3481201	200.000	190.64
55	Tetrachloroethene	164	6.889	6.889	(0.902)	2134948	200.000	192.68
56	2-Hexanone	43	6.949	6.949	(0.910)	2834219	400.000	333.31(A)
57	Dibromochloromethane	129	7.102	7.102	(0.930)	2214763	200.000	195.56
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	2032257	200.000	188.58
59	Chlorobenzene	112	7.659	7.659	(1.003)	7545321	200.000	191.89
60	1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	2588199	200.000	195.52
61	Ethylbenzene	106	7.753	7.753	(1.015)	4259818	200.000	195.54
62	m + p-Xylene	106	7.872	7.872	(1.031)	10804480	400.000	388.39(A)
64	Xylene-o	106	8.238	8.238	(1.079)	5159097	200.000	191.88
65	Styrene	104	8.250	8.250	(1.081)	9036516	200.000	191.40
66	Bromoform	173	8.428	8.428	(1.104)	1470671	200.000	199.77
67	Isopropylbenzene	105	8.593	8.593	(1.126)	12525407	200.000	193.08
68	1,1,2,2-Tetrachloroethane	83	8.866	8.866	(0.899)	2407692	200.000	185.78
69	1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	810271	200.000	189.40
70	1,2,3-Trichloropropane	110	8.913	8.913	(0.904)	800082	200.000	179.16
71	Bromobenzene	156	8.889	8.889	(0.902)	3363446	200.000	191.06
72	n-Propylbenzene	120	8.984	8.984	(0.911)	3734679	200.000	194.43
73	2-Chlorotoluene	126	9.079	9.079	(0.921)	3145768	200.000	190.11
74	1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	11035910	200.000	194.49
75	4-Chlorotoluene	126	9.173	9.173	(0.930)	3323191	200.000	194.33
76	tert-Butylbenzene	119	9.469	9.469	(0.960)	9639301	200.000	191.81
77	1,2,4-Trimethylbenzene	105	9.516	9.516	(0.965)	11320833	200.000	191.14
78	sec-Butylbenzene	105	9.694	9.694	(0.983)	13425273	200.000	194.37
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	11389433	200.000	193.27

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4776.D
Report Date: 22-Jun-2005 14:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	6424447	200.000	189.23
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	6598874	200.000	190.64
82	n-Butylbenzene	91	10.226	10.226	(1.037)	9753039	200.000	193.43
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	5907378	200.000	187.22
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	422454	200.000	166.58
85	1,2,4-Trichlorobenzene	180	11.847	11.847	(1.202)	1558301	200.000	128.88
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	1089830	200.000	149.47
87	Naphthalene	128	12.084	12.084	(1.226)	1858301	200.000	113.86
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	235705	200.000	110.77
98	Cyclohexane	56	4.547	4.547	(0.910)	4108130	200.000	200.20(A)
143	Methyl Acetate	43	2.961	2.961	(0.593)	2410509	400.000	354.28(A)
144	Methylcyclohexane	83	5.481	5.481	(1.097)	3833027	200.000	199.95(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	3776678	200.000	170.56(A)

QC Flag Legend

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


Y (x10^6)
Min
Chloromethane
Vinyl Chloride
Bromomethane
Chloroethane
Trichlorofluoromethane
Acrolein
Acetone
Iodomethane
Carbon Disulfide
Methylene Chloride
Acrylonitrile
Hexane
Vinyl acetate
2-Butanone
Bromochloromethane
Chloroform
Dibromofluoromethane
1,1-Dichloropropene
1,2-Dichloroethane-d4
1,2-Dichloroethane
Fluorobenzene
Trichloroethene
1,2-Dichloropropane
1,4-Dioxane
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane
Tetrachloroethene
Dibromochloromethane
1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane
m + p-Xylene
Xylene-o
Bromoform
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene
1,2-Dichloroethene (total
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4
n-Butylbenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanon04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4776.D
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Date : 22-JUN-2005 12:22
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Report Date: 22-Jun-2005 14:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Lab Smp Id: 100NG-IC
Inj Date : 22-JUN-2005 13:06
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:51 a3ux11.i Quant Type: ISTD
Cal Date : 14-JUN-2005 01:48 Cal File: UXJ4629.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1862323	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1874048	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1097005	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	932423	100.000	105.86
$ 5	1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	1188698	100.000	101.64
$ 6	Toluene-d8	98	6.334	6.334	(0.830)	4352455	100.000	105.59
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	2098308	100.000	103.65
8	Dichlorodifluoromethane	85	1.518	1.518	(0.304)	1117623	100.000	89.647
9	Chloromethane	50	1.648	1.648	(0.330)	1187813	100.000	104.06
10	Vinyl Chloride	62	1.731	1.731	(0.346)	1368204	100.000	112.82
11	Bromomethane	94	2.003	2.003	(0.401)	491925	100.000	107.13
12	Chloroethane	64	2.085	2.085	(0.417)	590671	100.000	100.51
13	Trichlorofluoromethane	101	2.287	2.287	(0.458)	1045652	100.000	106.47
15	Acrolein	56	2.582	2.582	(0.517)	983977	1000.00	986.84
16	Acetone	43	2.701	2.701	(0.541)	544714	200.000	214.81(A)
17	1,1-Dichloroethene	96	2.689	2.689	(0.538)	1054145	100.000	105.79
18	Freon-113	151	2.701	2.701	(0.541)	853239	100.000	98.674
19	Iodomethane	142	2.819	2.819	(0.564)	1600260	100.000	106.36
20	Carbon Disulfide	76	2.878	2.878	(0.576)	3190410	100.000	102.35
21	Methylene Chloride	84	3.056	3.056	(0.612)	1192005	100.000	105.93
22	Acetonitrile	41	2.914	2.914	(0.583)	1026939	1000.00	987.58
23	Acrylonitrile	53	3.233	3.233	(0.647)	2878491	1000.00	1014.1

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Report Date: 22-Jun-2005 14:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.281	3.281	(0.657)	2623398	100.000	103.20
25	trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	1002329	100.000	104.02
26	Hexane	86	3.505	3.505	(0.702)	246651	100.000	85.339
27	Vinyl acetate	43	3.624	3.624	(0.725)	1607047	100.000	100.75
28	1,1-Dichloroethane	63	3.600	3.600	(0.721)	1720006	100.000	102.79
29	tert-Butyl Alcohol	59	3.127	3.127	(0.626)	1328005	2000.00	2049.7(A)
30	2-Butanone	43	4.062	4.062	(0.813)	757108	200.000	206.10(A)
32	cis-1,2-dichloroethene	96	4.062	4.062	(0.813)	1046944	100.000	101.06
33	2,2-Dichloropropane	77	4.073	4.073	(0.815)	1149057	100.000	105.99
34	Bromochloromethane	128	4.263	4.263	(0.853)	499328	100.000	101.04
35	Chloroform	83	4.310	4.310	(0.863)	1670430	100.000	104.24
36	Tetrahydrofuran	42	4.298	4.298	(0.860)	253848	100.000	104.79
37	1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	1343006	100.000	103.55
38	1,1-Dichloropropene	75	4.606	4.606	(0.922)	1369006	100.000	101.08
39	Carbon Tetrachloride	117	4.618	4.618	(0.924)	1193874	100.000	102.86
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	1329717	100.000	104.27
41	Benzene	78	4.783	4.783	(0.957)	4338423	100.000	103.61
42	Trichloroethene	130	5.304	5.304	(1.062)	1143217	100.000	103.83
43	1,2-Dichloropropane	63	5.482	5.482	(1.097)	1053040	100.000	102.04
44	1,4-Dioxane	88	5.588	5.588	(1.118)	452853	5000.00	5824.2(A)
45	Dibromomethane	93	5.588	5.588	(1.118)	565615	100.000	101.15
46	Bromodichloromethane	83	5.706	5.706	(1.142)	1324465	100.000	104.38
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	1270477	200.000	201.62(A)
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	1856716	100.000	104.66
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	1991970	200.000	200.94(A)
50	Toluene	91	6.393	6.393	(0.837)	5084764	100.000	103.41
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	1786498	100.000	103.17
52	Ethyl Methacrylate	69	6.641	6.641	(0.870)	1545783	100.000	101.74
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	968829	100.000	101.89
54	1,3-Dichloropropane	76	6.890	6.890	(0.902)	1790484	100.000	104.23
55	Tetrachloroethene	164	6.890	6.890	(0.902)	1083595	100.000	103.95
56	2-Hexanone	43	6.949	6.949	(0.910)	1612838	200.000	201.61(A)
57	Dibromochloromethane	129	7.103	7.103	(0.930)	1114150	100.000	104.57
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	1055842	100.000	104.14
59	Chlorobenzene	112	7.659	7.659	(1.003)	3900644	100.000	105.44
60	1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	1296129	100.000	104.08
61	Ethylbenzene	106	7.753	7.753	(1.015)	2167634	100.000	105.77
62	m + p-Xylene	106	7.872	7.872	(1.031)	5533628	200.000	211.44(A)
64	Xylene-o	106	8.239	8.239	(1.079)	2682040	100.000	106.03
65	Styrene	104	8.250	8.250	(1.081)	4656966	100.000	104.85
66	Bromoform	173	8.428	8.428	(1.104)	713383	100.000	103.00
67	Isopropylbenzene	105	8.594	8.594	(1.126)	6414838	100.000	105.11
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	1273777	100.000	103.20
69	1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	416101	100.000	102.13
70	1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	417433	100.000	98.151
71	Bromobenzene	156	8.889	8.889	(0.902)	1753464	100.000	104.59
72	n-Propylbenzene	120	8.984	8.984	(0.911)	1926881	100.000	105.33
73	2-Chlorotoluene	126	9.067	9.067	(0.920)	1617165	100.000	102.62
74	1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	5720273	100.000	105.85
75	4-Chlorotoluene	126	9.173	9.173	(0.930)	1710798	100.000	105.05
76	tert-Butylbenzene	119	9.469	9.469	(0.960)	5001551	100.000	104.50
77	1,2,4-Trimethylbenzene	105	9.517	9.517	(0.965)	5940980	100.000	105.32
78	sec-Butylbenzene	105	9.682	9.682	(0.982)	6881787	100.000	104.62
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	5998515	100.000	106.88

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Report Date: 22-Jun-2005 14:51

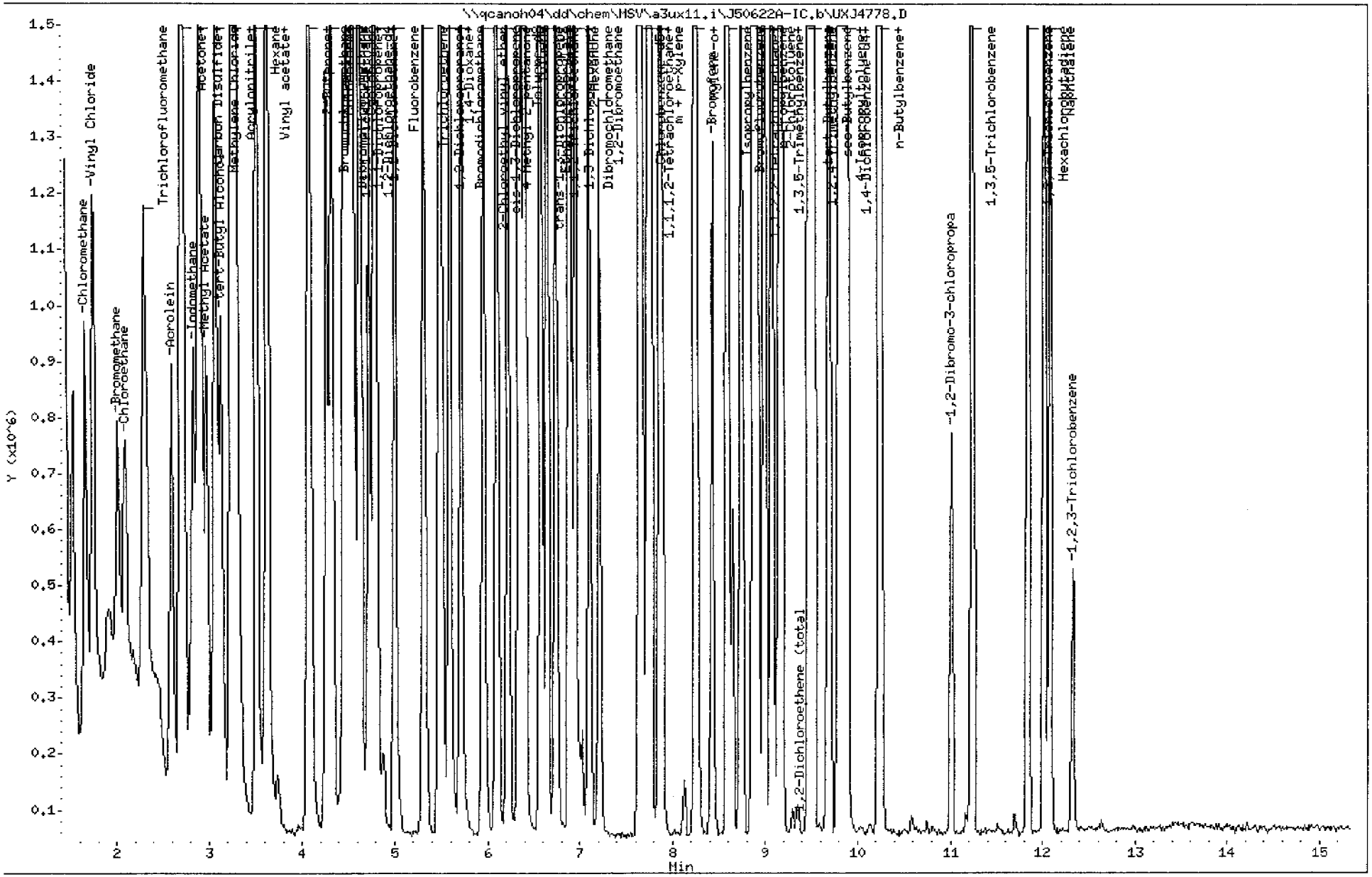
	Compounds	QUANT $IG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.801	9.801	(0.994)	3381489	100.000	104.58
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	3473025	100.000	105.36
82	n-Butylbenzene	91	10.227	10.227	(1.037)	5150413	100.000	107.26
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	3169166	100.000	105.46
84	1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.116)	234092	100.000	96.922
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	1142206	100.000	99.194
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	711052	100.000	102.40
87	Naphthalene	128	12.084	12.084	(1.226)	1468894	100.000	94.499
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	187885	100.000	92.713
98	Cyclohexane	56	4.535	4.535	(0.908)	1937646	100.000	97.511
143	Methyl Acetate	43	2.961	2.961	(0.593)	1281636	200.000	194.52(A)
144	Methylcyclohexane	83	5.482	5.482	(1.097)	1740419	100.000	93.756(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	2235591	100.000	106.02(A)

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Date : 22-JUN-2005 13:06
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18



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Report Date: 22-Jun-2005 15:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Lab Smp Id: ICV
Inj Date : 22-JUN-2005 12:43
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 15:21 a3ux11.i Quant Type: ISTD
Cal Date : 14-JUN-2005 02:31 Cal File: UXJ4631.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1901157	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1892477	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1104141	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	425157	47.2817	9.456
$ 5	1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	550361	46.0988	9.220
$ 6	Toluene-d8	98	6.334	6.333	(0.830)	2015758	48.4272	9.685
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	1003597	49.0927	9.818
8	Dichlorodifluoromethane	85	1.518	1.517	(0.304)	546845	42.9676	8.594
9	Chloromethane	50	1.648	1.648	(0.330)	629175	53.9924	10.798
10	Vinyl Chloride	62	1.742	1.742	(0.349)	593987	47.9800	9.596
11	Bromomethane	94	2.015	2.003	(0.403)	218677	46.4854	9.297
12	Chloroethane	64	2.097	2.085	(0.420)	342967	57.1690	11.434
13	Trichlorofluoromethane	101	2.299	2.287	(0.460)	502310	50.1024	10.020
15	Acrolein	56	2.594	2.594	(0.519)	790200	776.308	155.26
16	Acetone	43	2.701	2.701	(0.541)	166953	48.0977	9.620
17	1,1-Dichloroethene	96	2.701	2.701	(0.541)	488818	48.0557	9.611
18	Freon-113	151	2.713	2.713	(0.543)	433639	49.1242	9.825
19	Iodomethane	142	2.831	2.831	(0.567)	76062	10.5533	2.111
20	Carbon Disulfide	76	2.890	2.890	(0.578)	1681925	52.8552	10.571
21	Methylene Chloride	84	3.068	3.068	(0.614)	711424	55.4831	11.097
22	Acetonitrile	41	2.914	2.914	(0.583)	574022	540.747	108.15
23	Acrylonitrile	53	3.233	3.233	(0.647)	1607513	554.751	110.95

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Report Date: 22-Jun-2005 15:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.281	3.281	(0.657)	1448999	55.8394	11.168
	25 trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	515621	52.4157	10.483
	26 Hexane	86	3.505	3.505	(0.702)	132419	44.8798	8.976
	27 Vinyl acetate	43	3.505	3.636	(0.702)	474227	29.1234	5.825
	28 1,1-Dichloroethane	63	3.612	3.612	(0.723)	915563	53.5963	10.719
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.062	4.062	(0.813)	216826	52.7401	10.548
M	31 1,2-Dichloroethene (total)	96				1071202	104.949	20.990
	32 cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	555581	52.5328	10.506
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.310	4.310	(0.863)	888446	54.3097	10.862
	36 Tetrahydrofuran	42	4.535	4.298	(0.908)	213826	84.9117	16.982
	37 1,1,1-Trichloroethane	97	4.488	4.488	(0.898)	707964	53.4702	10.694
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.618	4.618	(0.924)	604898	51.0539	10.211
	40 1,2-Dichloroethane	62	4.783	4.783	(0.957)	707946	54.3778	10.876
	41 Benzene	78	4.783	4.783	(0.957)	2398673	53.7688	10.754
	42 Trichloroethene	130	5.304	5.304	(1.062)	601041	53.4729	10.694
	43 1,2-Dichloropropane	63	5.482	5.481	(1.097)	560149	53.1711	10.634
	44 1,4-Dioxane	88	5.588	5.588	(1.118)	26119	329.056	65.811(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.706	5.706	(1.142)	687715	53.0898	10.618
	47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	353910	55.0179	11.004
	48 cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	952299	52.5834	10.517
	49 4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	531781	52.5478	10.510
	50 Toluene	91	6.393	6.393	(0.837)	2640469	53.1756	10.635
	51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	935684	53.5091	10.702
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	500590	52.1352	10.427
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.890	6.890	(0.902)	552224	52.4602	10.492
	56 2-Hexanone	43	6.949	6.949	(0.910)	405517	50.1978	10.040
	57 Dibromochloromethane	129	7.103	7.103	(0.930)	554005	51.4923	10.298
	58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	549263	53.6484	10.730
	59 Chlorobenzene	112	7.659	7.659	(1.003)	2007898	53.7498	10.750
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.753	7.753	(1.015)	1113016	53.7791	10.756
	62 m + p-Xylene	106	7.872	7.872	(1.031)	2760207	104.441	20.888
M	63 Xylenes (total)	106				4113213	157.410	31.482
	64 Xylene-o	106	8.239	8.239	(1.079)	1353006	52.9688	10.594
	65 Styrene	104	8.250	8.250	(1.081)	2301631	51.3154	10.263
	66 Bromoform	173	8.428	8.428	(1.104)	355592	50.8431	10.169
	67 Isopropylbenzene	105	8.594	8.594	(1.126)	3436298	55.7571	11.151
	68 1,1,2,2-Tetrachloroethane	83	8.854	8.866	(0.898)	662197	53.3057	10.661
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	9.150	8.984	(0.928)	19882	1.07982	0.2160
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	9.469	9.469	(0.960)	40947	0.85004	0.1700
	77 1,2,4-Trimethylbenzene	105	9.517	9.516	(0.965)	48058	0.84650	0.1693

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Report Date: 22-Jun-2005 15:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	9.682	9.682	(0.982)	70946	1.07156	0.2143
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	66174	1.17147	0.2343
80	1,3-Dichlorobenzene	146	9.801	9.800	(0.994)	1740766	53.4905	10.698
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1802594	54.3295	10.866
82	n-Butylbenzene	91	10.227	10.226	(1.037)	73502	1.52077	0.3042
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1633276	53.9995	10.800
84	1,2-Dibromo-3-chloropropane	157	11.008	11.007	(1.116)	137267	56.4661	11.293
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	618730	53.3862	10.677
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	33641	4.81330	0.9627
87	Naphthalene	128	12.084	12.084	(1.226)	53656	3.42957	0.6859
88	1,2,3-Trichlorobenzene	180	12.321	12.333	(1.250)	9685	4.74824	0.9496
98	Cyclohexane	56	4.547	4.547	(0.910)	886497	43.7014	8.740
143	Methyl Acetate	43	2.973	2.973	(0.595)	338244	50.2887	10.058(A)
144	Methylcyclohexane	83	5.482	5.481	(1.097)	828451	43.7168	8.743(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	38320	1.80546	0.3611(A)

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Report Date: 22-Jun-2005 15:21

STL North Canton

RECOVERY REPORT

Client Name:
Client SDG: SDGa01304
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ICV
Level: LOW
Operator: 43582
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: plexus-ck.spk
Quant Type: ISTD
Sublist File: 2-8260.SUB
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Misc Info: J50622A-IC,8260LLUX11,2-8260.SUB,43582,3

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17	1,1-Dichloroethene	10.000	9.611	96.11	45-155
	42	Trichloroethene	10.000	10.694	106.95	45-155
	59	Chlorobenzene	10.000	10.750	107.50	45-155
	50	Toluene	10.000	10.635	106.35	45-155
	41	Benzene	10.000	10.754	107.54	45-155
	16	Acetone	10.000	9.620	96.20	45-155
	20	Carbon Disulfide	10.000	10.571	105.71	45-155
	9	Chloromethane	10.000	10.798	107.98	45-155
	11	Bromomethane	10.000	9.297	92.97	45-155
	10	Vinyl Chloride	10.000	9.596	95.96	45-155
	12	Chloroethane	10.000	11.434	114.34	45-155
	21	Methylene Chloride	10.000	11.097	110.97	45-155
	28	1,1-Dichloroethane	10.000	10.719	107.19	45-155
M	31	1,2-Dichloroethene	20.000	20.990	104.95	45-155
	35	Chloroform	10.000	10.862	108.62	45-155
	40	1,2-Dichloroethane	10.000	10.876	108.76	45-155
	30	2-Butanone	10.000	10.548	105.48	45-155
	37	1,1,1-Trichloroeth	10.000	10.694	106.94	45-155
	39	Carbon Tetrachlori	10.000	10.211	102.11	45-155
	46	Bromodichlorometha	10.000	10.618	106.18	45-155
	43	1,2-Dichloropropan	10.000	10.634	106.34	45-155
	48	cis-1,3-Dichloropr	10.000	10.517	105.17	45-155
	57	Dibromochlorometha	10.000	10.298	102.98	45-155
	53	1,1,2-Trichloroeth	10.000	10.427	104.27	45-155
	51	trans-1,3-Dichloro	10.000	10.702	107.02	45-155
	66	Bromoform	10.000	10.169	101.69	45-155
	49	4-Methyl-2-pentano	10.000	10.510	105.10	45-155
	56	2-Hexanone	10.000	10.040	100.40	45-155
	55	Tetrachloroethene	10.000	10.492	104.92	45-155
	68	1,1,2,2-Tetrachlor	10.000	10.661	106.61	45-155
	61	Ethylbenzene	10.000	10.756	107.56	45-155
	65	Styrene	10.000	10.263	102.63	45-155
M	63	Xylenes (total)	30.000	31.482	104.94	45-155
	32	cis-1,2-dichloroet	10.000	10.506	105.07	45-155
	25	trans-1,2-Dichloro	10.000	10.483	104.83	45-155
	8	Dichlorodifluorome	10.000	8.594	85.94	45-155
	13	Trichlorofluoromet	10.000	10.020	100.20	45-155
	18	Freon-113	10.000	9.825	98.25	45-155
	24	Methyl tert-butyl	10.000	11.168	111.68	45-155
	58	1,2-Dibromoethane	10.000	10.730	107.30	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Report Date: 22-Jun-2005 15:21

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
67 Isopropylbenzene	10.000	11.151	111.51	45-155
80 1,3-Dichlorobenzen	10.000	10.698	106.98	45-155
81 1,4-Dichlorobenzen	10.000	10.866	108.66	45-155
83 1,2-Dichlorobenzen	10.000	10.800	108.00	45-155
84 1,2-Dibromo-3-chlo	10.000	11.293	112.93	45-155
85 1,2,4-Trichloroben	10.000	10.677	106.77	45-155
98 Cyclohexane	10.000	8.740	87.40	45-155
143 Methyl Acetate	10.000	10.058	100.58	45-155
144 Methylcyclohexane	10.000	8.743	87.43	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.456	94.56	73-122
$ 5 1,2-Dichloroethane	10.000	9.220	92.20	61-128
$ 6 Toluene-d8	10.000	9.685	96.85	76-110
$ 7 Bromofluorobenzene	10.000	9.818	98.19	74-116

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Date : 22-JUN-2005 12:43
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Iodomethane+
Acetone+
-Methylene Chloride
Acrylonitrile+
-Hexane
-1,1-Dichloroethane
-2-Butanone+
-Chloroform+
-Dibromofluoromethane
-1,1,1-Trichloroethane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane
-Bromodichloromethane
2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
-n-Propylbenzene
-1,2-Dichloroethene (total
-sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m
Start Cal Date: 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
22-JUN-2005 13:29	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4779.D
22-JUN-2005 10:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Cal Level: 2 , Cal Amount: 10.00000		
22-JUN-2005 13:50	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4780.D
22-JUN-2005 10:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Cal Level: 3 , Cal Amount: 25.00000		
22-JUN-2005 14:11	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4781.D
22-JUN-2005 10:48	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Cal Level: 4 , Cal Amount: 50.00000		
22-JUN-2005 14:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
22-JUN-2005 11:10	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Cal Level: 5 , Cal Amount: 100.00000		
22-JUN-2005 14:54	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4783.D
22-JUN-2005 13:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Cal Level: 6 , Cal Amount: 200.00000		
22-JUN-2005 15:15	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4784.D
22-JUN-2005 12:22	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

13-JUL-2005 09:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5471.D
13-JUL-2005 08:44	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5470.D
~~13-JUL-2005 08:23~~	~~2-8260~~	~~\\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5469.D~~

7/14/05

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5471.D
Report Date: 13-Jul-2005 09:46

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 13-JUL-2005 09:06
Lab File ID: UXJ5471.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.23649	0.22254	0.22254	0.010	5.89987	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.31399	0.32378	0.32378	0.010	-3.12061	50.00000	Averaged	
$ 6 Toluene-d8	1.09974	1.08540	1.08540	0.010	1.30384	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.54011	0.53864	0.53864	0.010	0.27256	50.00000	Averaged	
8 Dichlorodifluoromethane	0.33471	0.31309	0.31309	0.010	6.46150	50.00000	Averaged	
9 Chloromethane	0.30647	0.38626	0.38626	0.100	-26.03429	50.00000	Averaged	
10 Vinyl Chloride	0.32559	0.35842	0.35842	0.010	-10.08430	20.00000	Averaged	
11 Bromomethane	50.00000	45.66857	0.11281	0.010	8.66286	0.000e+000	Quadratic	
12 Chloroethane	0.15778	0.18016	0.18016	0.010	-14.18788	50.00000	Averaged	
13 Trichlorofluoromethane	0.26367	0.23854	0.23854	0.010	9.53323	50.00000	Averaged	
15 Acrolein	0.02677	0.03816	0.03816	0.010	-42.53658	50.00000	Averaged	
16 Acetone	100	197	0.13511	0.010	-96.67118	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.26752	0.28455	0.28455	0.010	-6.36457	20.00000	Averaged	
18 Freon-113	0.23216	0.21171	0.21171	0.010	8.80638	50.00000	Averaged	
19 Iodomethane	50.00000	43.69355	0.34541	0.010	12.61290	0.000e+000	Quadratic	
20 Carbon Disulfide	0.83690	0.94372	0.94372	0.010	-12.76480	50.00000	Averaged	
21 Methylene Chloride	50.00000	41.19322	0.29890	0.010	17.61356	0.000e+000	Wt Linear	
22 Acetonitrile	0.02792	0.03449	0.03449	0.010	-23.52214	50.00000	Averaged	
23 Acrylonitrile	0.07621	0.10216	0.10216	0.010	-34.04720	50.00000	Averaged	
24 Methyl tert-butyl ether	0.68246	0.73095	0.73095	0.010	-7.10528	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.25871	0.26544	0.26544	0.010	-2.59911	50.00000	Averaged	
26 Hexane	0.07760	0.05999	0.05999	0.010	22.69551	20.00000	Averaged	<-
27 Vinyl acetate	0.42825	0.53766	0.53766	0.010	-25.54840	50.00000	Averaged	
28 1,1-Dichloroethane	0.44927	0.49448	0.49448	0.100	-10.06293	50.00000	Averaged	
29 tert-Butyl Alcohol	0.01739	0.01473	0.01473	0.010	15.29880	50.00000	Averaged	
30 2-Butanone	100	162	0.16074	0.010	-61.50441	0.000e+000	Wt Linear	
M 31 1,2-Dichloroethene (total)	0.26843	0.27289	0.27289	0.010	-1.66157	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.27814	0.28034	0.28034	0.010	-0.78951	50.00000	Averaged	
33 2,2-Dichloropropane	0.29106	0.25576	0.25576	0.010	12.12853	50.00000	Averaged	
34 Bromochloromethane	0.13268	0.13402	0.13402	0.010	-1.01593	50.00000	Averaged	
35 Chloroform	0.43024	0.48061	0.48061	0.010	-11.70856	20.00000	Averaged	
36 Tetrahydrofuran	50.00000	57.59007	0.07971	0.010	-15.18014	0.000e+000	Wt Linear	
37 1,1,1-Trichloroethane	0.34822	0.32617	0.32617	0.010	6.33252	50.00000	Averaged	
38 1,1-Dichloropropene	0.36364	0.38277	0.38277	0.010	-5.26247	50.00000	Averaged	
39 Carbon Tetrachloride	0.31161	0.22933	0.22933	0.010	26.40260	50.00000	Averaged	
40 1,2-Dichloroethane	0.34240	0.42100	0.42100	0.010	-22.95681	50.00000	Averaged	
41 Benzene	50.00000	49.87184	1.17820	0.010	0.25631	0.000e+000	Wt Linear	
42 Trichloroethene	0.29561	0.29172	0.29172	0.010	1.31511	50.00000	Averaged	
43 1,2-Dichloropropane	0.27706	0.30332	0.30332	0.010	-9.47609	20.00000	Averaged	
44 1,4-Dioxane	0.00209	0.00227	0.00227	0.010	-8.77198	50.00000	Averaged	<-
45 Dibromomethane	0.15013	0.16763	0.16763	0.010	-11.65773	50.00000	Averaged	
46 Bromodichloromethane	0.34068	0.32675	0.32675	0.010	4.08930	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.16918	0.18914	0.18914	0.010	-11.79829	50.00000	Averaged	

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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5471.D
Report Date: 13-Jul-2005 09:46

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 13-JUL-2005 09:06
Lab File ID: UXJ5471.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
48 cis-1,3-Dichloropropene	0.47630	0.42912	0.42912	0.010	9.90522	50.00000	Averaged	
49 4-Methyl-2-pentanone	0.26615	0.30314	0.30314	0.010	-13.89859	50.00000	Averaged	
50 Toluene	1.31192	1.44888	1.44888	0.010	-10.43963	20.00000	Averaged	
51 trans-1,3-Dichloropropene	0.46200	0.44280	0.44280	0.010	4.15450	50.00000	Averaged	
52 Ethyl Methacrylate	0.40538	0.41396	0.41396	0.010	-2.11708	50.00000	Averaged	
53 1,1,2-Trichloroethane	0.25368	0.28701	0.28701	0.010	-13.13766	50.00000	Averaged	
54 1,3-Dichloropropane	0.45833	0.54811	0.54811	0.010	-19.58644	50.00000	Averaged	
55 Tetrachloroethene	0.27812	0.29095	0.29095	0.010	-4.61607	50.00000	Averaged	
56 2-Hexanone	0.21343	0.26480	0.26480	0.010	-24.06620	50.00000	Averaged	
57 Dibromochloromethane	0.28426	0.22537	0.22537	0.010	20.71583	50.00000	Averaged	
58 1,2-Dibromoethane	0.27050	0.30316	0.30316	0.010	-12.07573	50.00000	Averaged	
59 Chlorobenzene	0.98697	1.03222	1.03222	0.300	-4.58455	50.00000	Averaged	
60 1,1,1,2-Tetrachloroethane	0.33226	0.27495	0.27495	0.010	17.24827	50.00000	Averaged	
61 Ethylbenzene	0.54680	0.57570	0.57570	0.010	-5.28644	20.00000	Averaged	
62 m + p-Xylene	0.69825	0.73338	0.73338	0.010	-5.03176	50.00000	Averaged	
M 63 Xylenes (total)	0.69045	0.72925	0.72925	0.010	-5.61841	50.00000	Averaged	
64 Xylene-o	0.67487	0.72098	0.72098	0.010	-6.83237	50.00000	Averaged	
65 Styrene	1.18502	1.29424	1.29424	0.010	-9.21659	50.00000	Averaged	
66 Bromoform	0.18478	0.13133	0.13133	0.100	28.92518	50.00000	Averaged	
67 Isopropylbenzene	1.62828	1.76541	1.76541	0.010	-8.42150	50.00000	Averaged	
68 1,1,2,2-Tetrachloroethane	0.56255	0.66474	0.66474	0.300	-18.16569	50.00000	Averaged	
69 1,4-Dichloro-2-butene	0.18570	0.15390	0.15390	0.010	17.12739	50.00000	Averaged	
70 1,2,3-Trichloropropane	0.19384	0.22222	0.22222	0.010	-14.63900	50.00000	Averaged	
71 Bromobenzene	0.76413	0.78923	0.78923	0.010	-3.28556	50.00000	Averaged	
72 n-Propylbenzene	0.83378	0.83766	0.83766	0.010	-0.46533	50.00000	Averaged	
73 2-Chlorotoluene	0.71825	0.74568	0.74568	0.010	-3.81892	50.00000	Averaged	
74 1,3,5-Trimethylbenzene	2.46303	2.54336	2.54336	0.010	-3.26164	50.00000	Averaged	
75 4-Chlorotoluene	0.74230	0.77398	0.77398	0.010	-4.26791	50.00000	Averaged	
76 tert-Butylbenzene	2.18135	2.15113	2.15113	0.010	1.38548	50.00000	Averaged	
77 1,2,4-Trimethylbenzene	2.57090	2.67780	2.67780	0.010	-4.15792	50.00000	Averaged	
78 sec-Butylbenzene	2.99817	3.00948	3.00948	0.010	-0.37733	50.00000	Averaged	
79 4-Isopropyltoluene	2.55800	2.50151	2.50151	0.010	2.20842	50.00000	Averaged	
80 1,3-Dichlorobenzene	1.47370	1.51906	1.51906	0.010	-3.07811	50.00000	Averaged	
81 1,4-Dichlorobenzene	1.50248	1.56775	1.56775	0.010	-4.34425	50.00000	Averaged	
82 n-Butylbenzene	2.18867	2.24277	2.24277	0.010	-2.47182	50.00000	Averaged	
83 1,2-Dichlorobenzene	1.36967	1.45397	1.45397	0.010	-6.15494	50.00000	Averaged	
84 1,2-Dibromo-3-chloropropane	0.11008	0.09917	0.09917	0.010	9.91741	50.00000	Averaged	
85 1,2,4-Trichlorobenzene	0.52483	0.84992	0.84992	0.010	-61.94141	50.00000	Averaged	<-
86 Hexachlorobutadiene	0.31650	0.32691	0.32691	0.010	-3.28872	50.00000	Averaged	
87 Naphthalene	0.70848	1.93692	1.93692	0.010	-173	50.00000	Averaged	<-
88 1,2,3-Trichlorobenzene	0.09237	0.63525	0.63525	0.010	-588	50.00000	Averaged	<-
98 Cyclohexane	0.53350	0.52210	0.52210	0.010	2.13618	50.00000	Averaged	
143 Methyl Acetate	0.17689	0.21286	0.21286	0.010	-20.33166	50.00000	Averaged	

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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5471.D
Report Date: 13-Jul-2005 09:46

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 13-JUL-2005 09:06
Lab File ID: UXJ5471.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.49839	0.42322	0.42322	0.010	15.08326	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.96113	0.97693	0.97693	0.010	-1.64370	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5471.D
Report Date: 13-Jul-2005 09:46

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5471.D
Lab Smp Id: 50NG-CC
Inj Date : 13-JUL-2005 09:06
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J50713A,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m
Meth Date : 13-Jul-2005 09:46 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.996	4.996	(1.000)	1686852	50.0000	
*	2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1532115	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	945269	50.0000	
$	4 Dibromofluoromethane	113	4.428	4.428	(0.886)	375384	50.0000	47.050
$	5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	546176	50.0000	51.560
$	6 Toluene-d8	98	6.333	6.333	(0.830)	1662955	50.0000	49.348
$	7 Bromofluorobenzene	95	8.736	8.736	(1.144)	825255	50.0000	49.864
	8 Dichlorodifluoromethane	85	1.494	1.494	(0.299)	528132	50.0000	46.769
	9 Chloromethane	50	1.636	1.636	(0.327)	651563	50.0000	63.017
	10 Vinyl Chloride	62	1.719	1.719	(0.344)	604604	50.0000	55.042
	11 Bromomethane	94	1.991	1.991	(0.399)	190302	50.0000	45.668
	12 Chloroethane	64	2.074	2.074	(0.415)	303907	50.0000	57.094
	13 Trichlorofluoromethane	101	2.275	2.275	(0.455)	402375	50.0000	45.233
	15 Acrolein	56	2.571	2.571	(0.515)	643663	500.000	712.68
	16 Acetone	43	2.689	2.689	(0.538)	455830	100.000	196.67
	17 1,1-Dichloroethene	96	2.677	2.677	(0.536)	479986	50.0000	53.182
	18 Freon-113	151	2.689	2.689	(0.538)	357130	50.0000	45.597
	19 Iodomethane	142	2.819	2.819	(0.564)	582656	50.0000	43.694
	20 Carbon Disulfide	76	2.878	2.878	(0.576)	1591922	50.0000	56.382

21 Methylene Chloride	84	3.044	3.044 (0.609)	504198	50.0000	41.193
22 Acetonitrile	41	2.902	2.902 (0.581)	581712	500.000	617.61
23 Acrylonitrile	53	3.221	3.221 (0.645)	1723230	500.000	670.24

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5471.D
Report Date: 13-Jul-2005 09:46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.269	3.269	(0.654)	1233012	50.0000	53.553
25 trans-1,2-Dichloroethene	96	3.269	3.269	(0.654)	447756	50.0000	51.300
26 Hexane	86	3.494	3.494	(0.699)	101189	50.0000	38.652
27 Vinyl acetate	43	3.624	3.624	(0.725)	906953	50.0000	62.774
28 1,1-Dichloroethane	63	3.600	3.600	(0.721)	834111	50.0000	55.031
29 tert-Butyl Alcohol	59	3.115	3.115	(0.623)	497066	1000.00	847.01
30 2-Butanone	43	4.050	4.050	(0.811)	542298	100.000	161.50
32 cis-1,2-dichloroethene	96	4.062	4.062	(0.813)	472891	50.0000	50.395
33 2,2-Dichloropropane	77	4.062	4.062	(0.813)	431429	50.0000	43.936
34 Bromochloromethane	128	4.251	4.251	(0.851)	226079	50.0000	50.508
35 Chloroform	83	4.310	4.310	(0.863)	810717	50.0000	55.854
36 Tetrahydrofuran	42	4.286	4.286	(0.858)	134457	50.0000	57.590
37 1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	550196	50.0000	46.834
38 1,1-Dichloropropene	75	4.606	4.606	(0.922)	645684	50.0000	52.631
39 Carbon Tetrachloride	117	4.618	4.618	(0.924)	386852	50.0000	36.799
40 1,2-Dichloroethane	62	4.771	4.771	(0.955)	710166	50.0000	61.478
41 Benzene	78	4.771	4.771	(0.955)	1987447	50.0000	49.872
42 Trichloroethene	130	5.304	5.304	(1.062)	492096	50.0000	49.342
43 1,2-Dichloropropane	63	5.481	5.481	(1.097)	511654	50.0000	54.738
44 1,4-Dioxane	88	5.588	5.588	(1.118)	191515	2500.00	2719.3(A)
45 Dibromomethane	93	5.576	5.576	(1.116)	282770	50.0000	55.829
46 Bromodichloromethane	83	5.706	5.706	(1.142)	551180	50.0000	47.955
47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	638091	100.000	111.80
48 cis-1,3-Dichloropropene	75	6.085	6.085	(1.218)	723858	50.0000	45.047
49 4-Methyl-2-pentanone	43	6.203	6.203	(1.242)	1022718	100.000	113.90
50 Toluene	91	6.393	6.393	(0.837)	2219854	50.0000	55.220
51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	678428	50.0000	47.923
52 Ethyl Methacrylate	69	6.641	6.641	(0.870)	634238	50.0000	51.058
53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	439733	50.0000	56.569
54 1,3-Dichloropropane	76	6.890	6.890	(0.902)	839762	50.0000	59.793
55 Tetrachloroethene	164	6.890	6.890	(0.902)	445774	50.0000	52.308
56 2-Hexanone	43	6.949	6.949	(0.910)	811407	100.000	124.07
57 Dibromochloromethane	129	7.091	7.091	(0.929)	345294	50.0000	39.642
58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	464479	50.0000	56.038
59 Chlorobenzene	112	7.659	7.659	(1.003)	1581478	50.0000	52.292
60 1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	421251	50.0000	41.376
61 Ethylbenzene	106	7.753	7.753	(1.015)	882046	50.0000	52.643
62 m + p-Xylene	106	7.860	7.860	(1.029)	2247252	100.000	105.03
64 Xylene-o	106	8.239	8.239	(1.079)	1104621	50.0000	53.416
65 Styrene	104	8.250	8.250	(1.081)	1982929	50.0000	54.608
66 Bromoform	173	8.428	8.428	(1.104)	201218	50.0000	35.537
67 Isopropylbenzene	105	8.594	8.594	(1.126)	2704812	50.0000	54.211
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	628356	50.0000	59.083
69 1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	145475	50.0000	41.436
70 1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	210059	50.0000	57.320
71 Bromobenzene	156	8.889	8.889	(0.902)	746039	50.0000	51.643
72 n-Propylbenzene	120	8.984	8.984	(0.911)	791816	50.0000	50.233
73 2-Chlorotoluene	126	9.067	9.067	(0.920)	704865	50.0000	51.909
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	2404160	50.0000	51.631
75 4-Chlorotoluene	126	9.173	9.173	(0.930)	731617	50.0000	52.134
76 tert-Butylbenzene	119	9.469	9.469	(0.960)	2033396	50.0000	49.307
77 1,2,4-Trimethylbenzene	105	9.516	9.516	(0.965)	2531239	50.0000	52.079

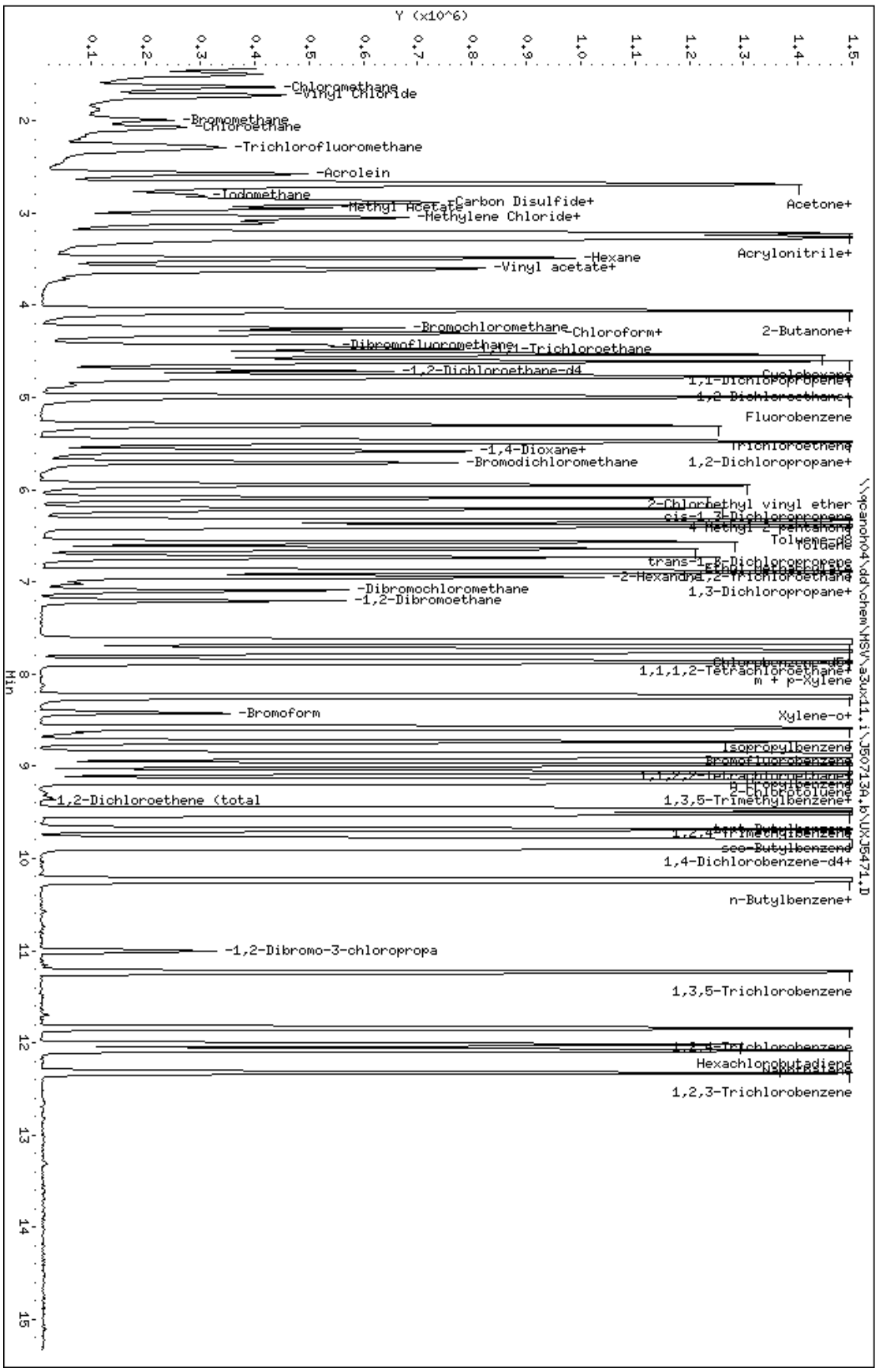
78 sec-Butylbenzene	105	9.682	9.682 (0.982)	2844769	50.0000	50.189
79 4-Isopropyltoluene	119	9.824	9.824 (0.996)	2364602	50.0000	48.896

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5471.D
Report Date: 13-Jul-2005 09:46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	1435922	50.0000	51.539
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1481943	50.0000	52.172
82	n-Butylbenzene	91	10.226	10.226	(1.037)	2120018	50.0000	51.236
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1374392	50.0000	53.077
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	93739	50.0000	45.041
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	803399	50.0000	80.971
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	309015	50.0000	51.644
87	Naphthalene	128	12.084	12.084	(1.226)	1830906	50.0000	136.70
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	600481	50.0000	343.88(A)
98	Cyclohexane	56	4.535	4.535	(0.908)	880711	50.0000	48.932
143	Methyl Acetate	43	2.949	2.949	(0.590)	718123	100.000	120.33(A)
144	Methylcyclohexane	83	5.481	5.481	(1.097)	713905	50.0000	42.458(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	923463	50.0000	50.822(A)

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J5071JA.b\UXJ5471.D
Date : 13-JUL-2005 09:06
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Methyl Acetate
-Carbon Disulfide+
-Methylene Chloride+
Acetone+
Acrylonitrile+
-Hexane
-Vinyl acetate+
-Bromochloromethane
Chloroform+
2-Butanone+
-Dibromofluoromethane
1,1,1-Trichloroethane
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
-2-Hexanone
1,1,2-Trichloroethane
1,3-Dichloropropane+
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
-1,2-Dichloroethene (total
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J5071JA.b\UXJ5471.D

RAW QC DATA

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50622B-IC.b\BFB1701.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 22-JUN-2005 16:23
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50622B-IC,BFBUX10,,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50622B-IC.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 6 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.520	3.590	-0.070	95	115024			100.00- 100.00	100.00
3.520	3.590	-0.070	50	24304			15.00- 40.00	21.13
3.520	3.590	-0.070	75	59392			30.00- 60.00	51.63
3.520	3.590	-0.070	96	7757			5.00- 9.00	6.74
3.520	3.590	-0.070	173	567			0.00- 2.00	0.61
3.520	3.590	-0.070	174	92984			50.00- 100.00	80.84
3.520	3.590	-0.070	175	6856			5.00- 9.00	7.37
3.520	3.590	-0.070	176	92576			95.00- 101.00	99.56
3.520	3.590	-0.070	177	5924			5.00- 9.00	6.40

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\BFB1701.D Page 1

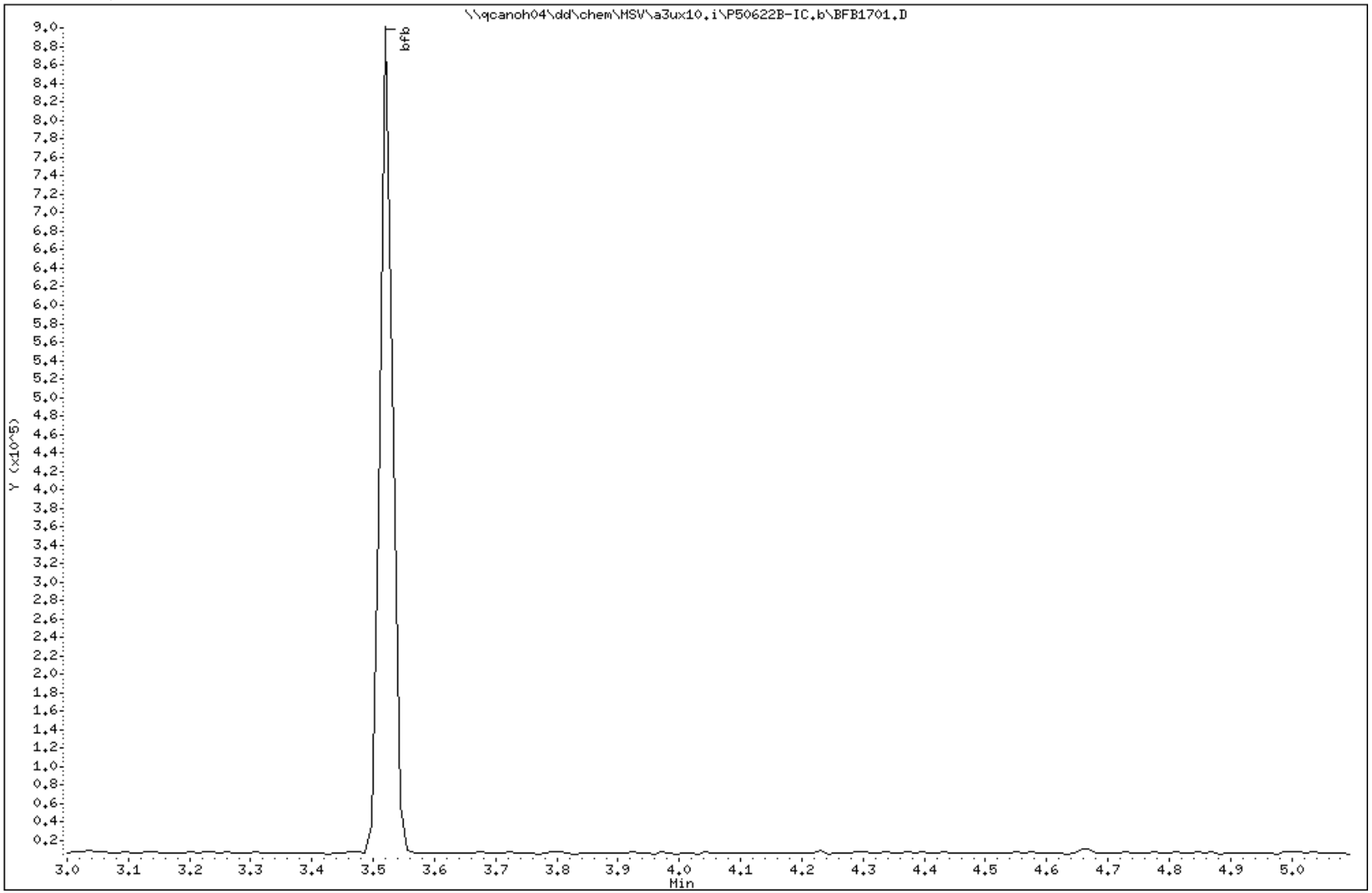
Date : 22-JUN-2005 16:23

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\BFB1701.D

Date : 22-JUN-2005 16:23

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

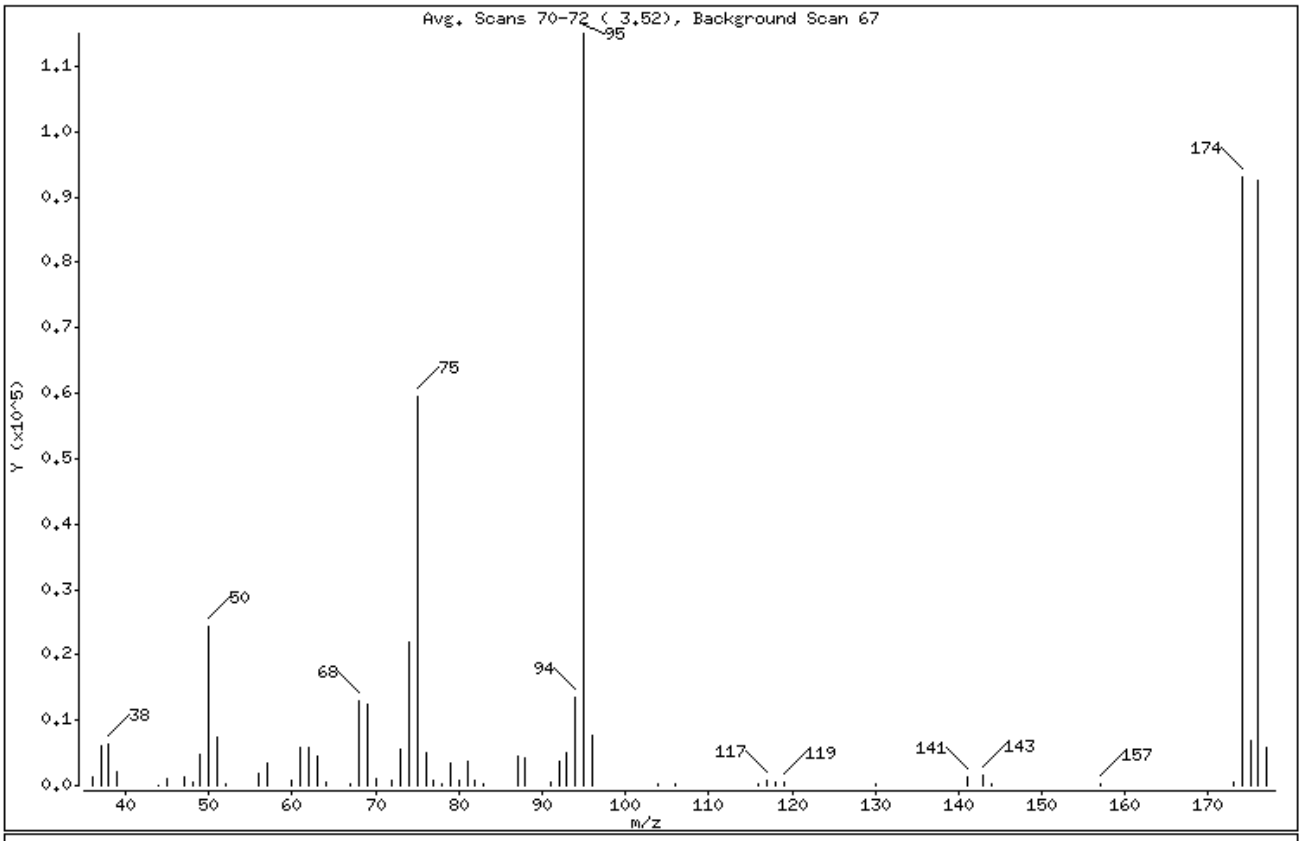
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.13
75	30.00 - 60.00% of mass 95	51.63
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.49 (0.61)
174	50.00 - 100.00% of mass 95	80.84
175	5.00 - 9.00% of mass 174	5.96 (7.37)
176	95.00 - 101.00% of mass 174	80.48 (99.56)
177	5.00 - 9.00% of mass 176	5.15 (6.40)

Date : 22-JUN-2005 16:23

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1701.D
Spectrum: Avg. Scans 70-72 (3.52), Background Scan 67
Location of Maximum: 95.00
Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1222	61.00	5875	79.00	3563	116.00	189
37.00	6119	62.00	5816	80.00	888	117.00	797
38.00	6235	63.00	4453	81.00	3797	118.00	437
39.00	2073	64.00	425	82.00	895	119.00	549
44.00	128	67.00	329	83.00	260	130.00	293
45.00	1127	68.00	12938	87.00	4474	141.00	1409
47.00	1384	69.00	12477	88.00	4301	143.00	1569
48.00	419	70.00	1135	91.00	399	144.00	186
49.00	4869	72.00	874	92.00	3577	157.00	217
50.00	24304	73.00	5454	93.00	5011	173.00	567
51.00	7450	74.00	21888	94.00	13501	174.00	92984
52.00	185	75.00	59392	95.00	115024	175.00	6856
56.00	1855	76.00	5042	96.00	7757	176.00	92576
57.00	3431	77.00	832	104.00	268	177.00	5924
60.00	805	78.00	382	106.00	194		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\BFB1726.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 12-JUL-2005 22:12
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50712B,BFBUX10,,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50712B.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 29 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.592	3.590	0.002	95	182464			100.00- 100.00	100.00
3.592	3.590	0.002	50	35688			15.00- 40.00	19.56
3.592	3.590	0.002	75	94240			30.00- 60.00	51.65
3.592	3.590	0.002	96	13429			5.00- 9.00	7.36
3.592	3.590	0.002	173	1559			0.00- 2.00	1.04
3.592	3.590	0.002	174	150208			50.00- 100.00	82.32
3.592	3.590	0.002	175	10284			5.00- 9.00	6.85
3.592	3.590	0.002	176	145472			95.00- 101.00	96.85
3.592	3.590	0.002	177	11845			5.00- 9.00	8.14

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\BFB1726.D

Page 1

Date : 12-JUL-2005 22:12

Client ID: 50NG BFB

Instrument: a3ux10.i

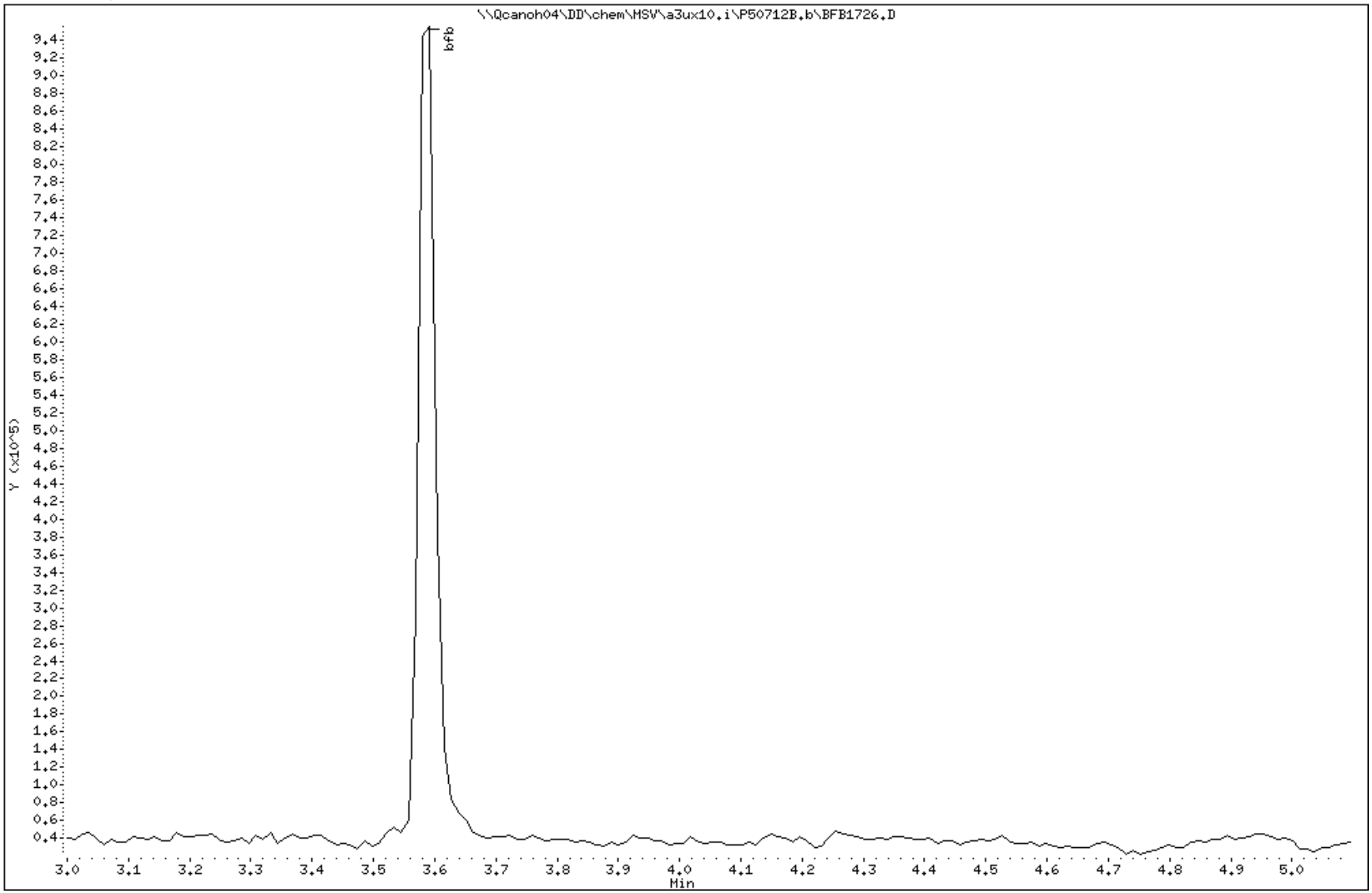
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\BFB1726.D

Date : 12-JUL-2005 22:12

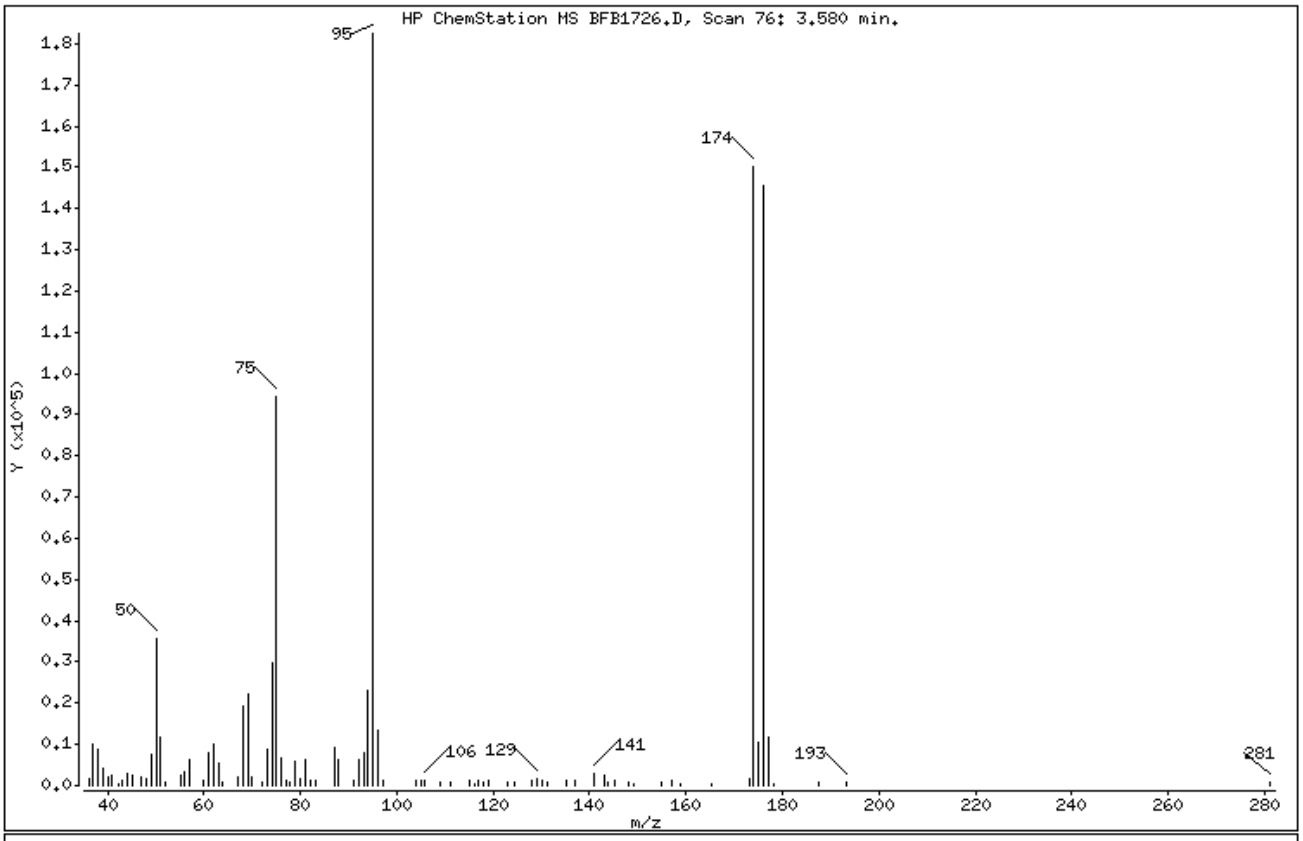
Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.56
75	30.00 - 60.00% of mass 95	51.65
96	5.00 - 9.00% of mass 95	7.36
173	Less than 2.00% of mass 174	0.85 (1.04)
174	50.00 - 100.00% of mass 95	82.32
175	5.00 - 9.00% of mass 174	5.64 (6.85)
176	95.00 - 101.00% of mass 174	79.73 (96.85)
177	5.00 - 9.00% of mass 176	6.49 (8.14)

Date : 12-JUL-2005 22:12

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1726.D
Spectrum: HP ChemStation MS BFB1726.D, Scan 76: 3.580 min.
Location of Maximum: 95.05
Number of points: 87

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.15	1862	63.05	5613	93.05	7760	135.05	1181
37.05	10247	63.95	872	94.05	23184	137.05	1242
38.05	8825	67.15	1999	95.05	182464	140.95	2767
39.15	4183	68.05	19152	96.05	13429	143.05	2510
40.05	2028	69.05	22112	97.05	1399	143.95	959
41.05	2459	70.05	2223	103.95	1100	145.15	1100
42.15	516	72.05	936	105.05	1084	147.95	710
43.05	1362	73.05	8759	105.95	1277	149.15	506
44.05	2785	74.05	29936	109.05	1039	154.85	658
45.15	2422	75.05	94240	111.15	842	157.05	1193
47.05	2191	76.05	6806	114.95	1060	158.95	583
48.05	1513	76.95	1398	116.05	623	165.15	509
49.05	7726	77.95	825	116.85	1038	173.05	1559
50.05	35688	78.95	5847	117.05	1075	173.95	150208
51.05	11899	80.05	1715	118.05	873	174.95	10284
52.05	682	81.05	6115	118.95	1246	175.95	145472
55.05	2585	82.05	1180	123.15	776	176.95	11845
56.05	3425	83.05	1432	124.25	684	178.05	570
57.05	6360	87.05	9025	127.95	1220	187.35	642
59.95	1461	87.95	6145	129.05	1740	193.25	1017
61.05	7968	91.15	1352	130.05	1172	281.15	786
62.05	10150	92.05	6228	131.05	681		

STL - North Canton

Data file : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\BFB178.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 22-JUN-2005 09:45
Operator : 43582 Inst ID: a3ux11.i
Smp Info :
Misc Info : J50622A-IC,BFBUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\BFBUX11.m
Meth Date : 09-Dec-2004 10:39 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.436	3.449	-0.013	95	412416			100.00- 100.00	100.00
3.436	3.449	-0.013	50	72320			15.00- 40.00	17.54
3.436	3.449	-0.013	75	191808			30.00- 60.00	46.51
3.436	3.449	-0.013	96	24832			5.00- 9.00	6.02
3.436	3.449	-0.013	173	2063			0.00- 2.00	0.58
3.436	3.449	-0.013	174	354176			50.00- 100.00	85.88
3.436	3.449	-0.013	175	24968			5.00- 9.00	7.05
3.436	3.449	-0.013	176	342336			95.00- 101.00	96.66
3.436	3.449	-0.013	177	22568			5.00- 9.00	6.59

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\BFB178.D Page 1

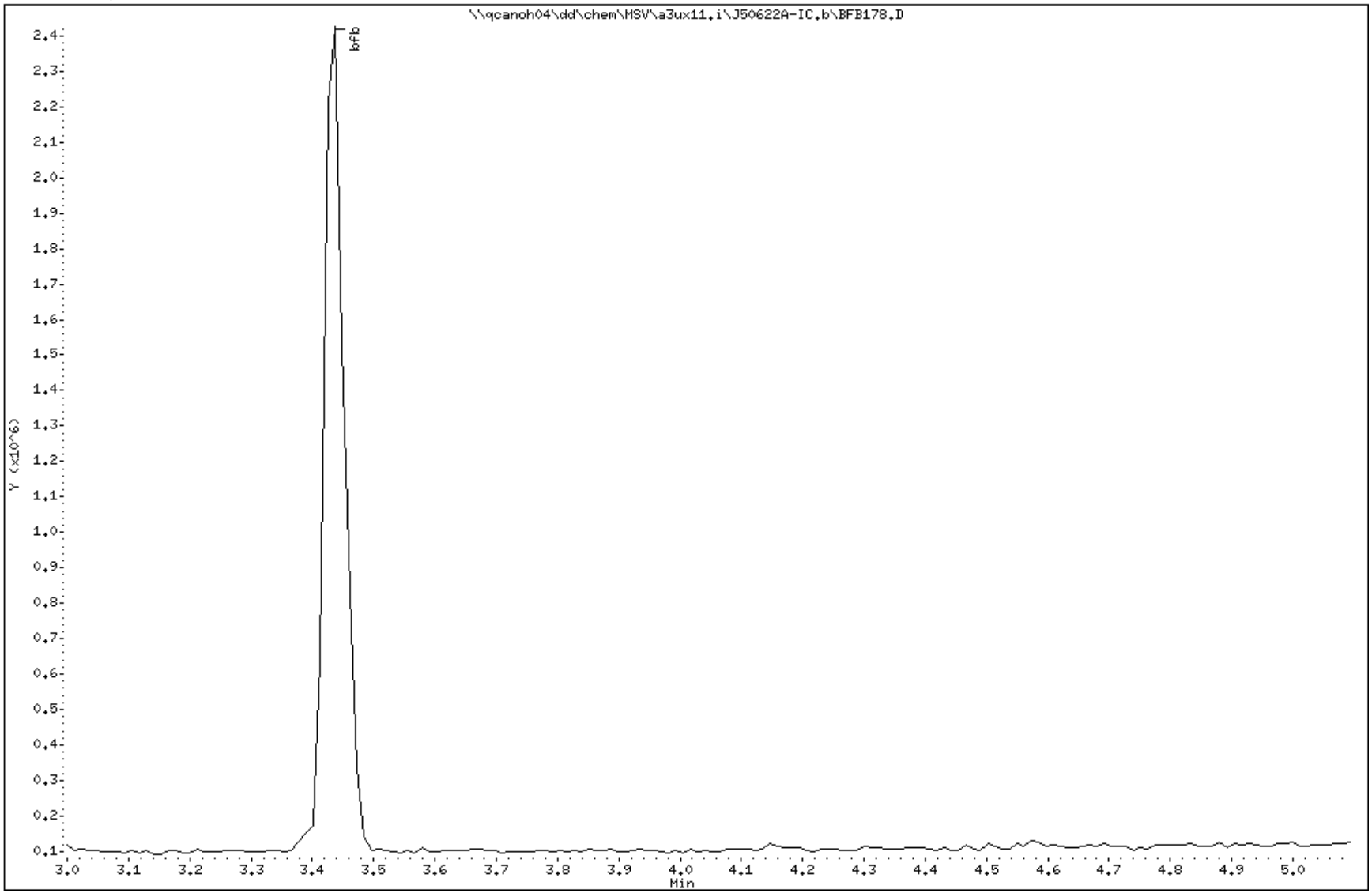
Date : 22-JUN-2005 09:45

Client ID: 50NG BFB Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 43582

Column phase: DB624 20M Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\BFB178.D

Date : 22-JUN-2005 09:45

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

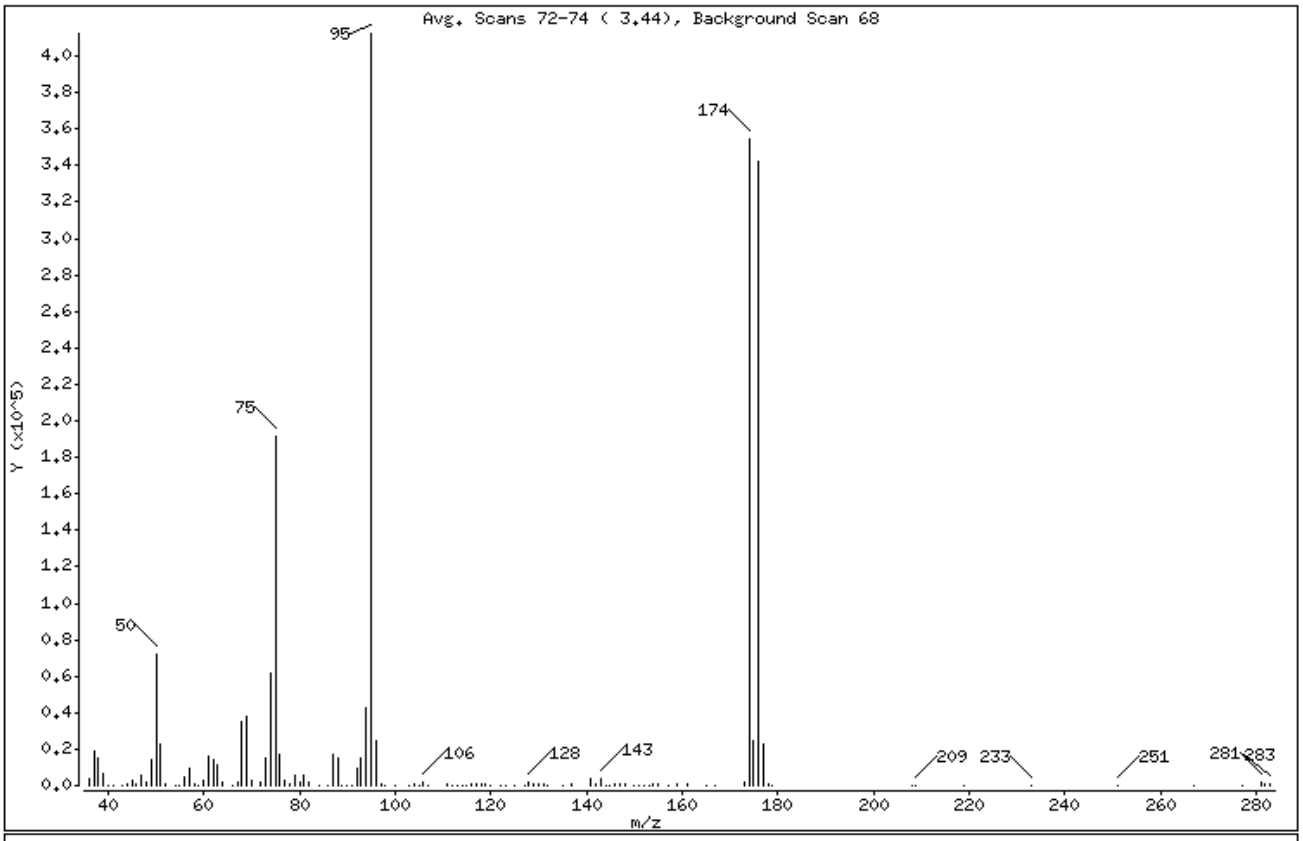
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.54
75	30.00 - 60.00% of mass 95	46.51
96	5.00 - 9.00% of mass 95	6.02
173	Less than 2.00% of mass 174	0.50 (0.58)
174	50.00 - 100.00% of mass 95	85.88
175	5.00 - 9.00% of mass 174	6.05 (7.05)
176	95.00 - 101.00% of mass 174	83.01 (96.66)
177	5.00 - 9.00% of mass 176	5.47 (6.59)

Date : 22-JUN-2005 09:45

Client ID: 50NG BFB Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 43582

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB178.D
Spectrum: Avg. Scans 72-74 (3.44), Background Scan 68
Location of Maximum: 95.00
Number of points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3764	70.00	3054	107.00	391	151.00	190
37.00	18792	72.00	1688	111.00	664	152.00	195
38.00	14905	73.00	15129	112.00	238	153.00	249
39.00	7000	74.00	61736	113.00	235	154.00	532
40.00	301	75.00	191808	114.00	167	155.00	1028
41.00	50	76.00	17088	115.00	358	157.00	303
43.00	25	77.00	2387	116.00	1180	159.00	650
44.00	994	78.00	597	117.00	1188	161.00	898
45.00	2764	79.00	5378	118.00	1234	165.00	189
46.00	521	80.00	1932	119.00	1318	167.00	207
47.00	5613	81.00	5979	120.00	259	173.00	2063
48.00	2167	82.00	1998	122.00	175	174.00	354176
49.00	14399	84.00	294	123.00	215	175.00	24968
50.00	72320	86.00	289	125.00	120	176.00	342336
51.00	22480	87.00	17520	127.00	187	177.00	22568
52.00	776	88.00	14751	128.00	1889	178.00	858
54.00	180	89.00	183	129.00	881	179.00	385
55.00	324	90.00	362	130.00	1383	208.00	104
56.00	4573	91.00	11	131.00	566	209.00	262
57.00	9589	92.00	9588	132.00	220	219.00	185
58.00	569	93.00	14981	135.00	462	233.00	212
59.00	163	94.00	42456	137.00	920	251.00	325
60.00	2837	95.00	412416	141.00	3368	267.00	185
61.00	16329	96.00	24832	142.00	484	277.00	165
62.00	14068	97.00	581	143.00	4151	281.00	2207
63.00	11443	98.00	210	144.00	176	282.00	689
64.00	1443	100.00	185	145.00	319	283.00	892
66.00	199	103.00	264	146.00	683		
67.00	1467	104.00	1201	147.00	582		
68.00	34904	105.00	162	148.00	1091		
69.00	37712	106.00	1587	150.00	419		

STL - North Canton

Data file : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\BFB203.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 13-JUL-2005 08:00
Operator : 43582 Inst ID: a3ux11.i
Smp Info :
Misc Info : J50713A,BFBUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\BFBUX11.m
Meth Date : 09-Dec-2004 10:39 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 58 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.425	3.449	-0.024	95	736064		100.00- 100.00		100.00
3.425	3.449	-0.024	50	157952		15.00- 40.00		21.46
3.425	3.449	-0.024	75	383744		30.00- 60.00		52.13
3.425	3.449	-0.024	96	49568		5.00- 9.00		6.73
3.425	3.449	-0.024	173	2938		0.00- 2.00		0.53
3.425	3.449	-0.024	174	557056		50.00- 100.00		75.68
3.425	3.449	-0.024	175	38720		5.00- 9.00		6.95
3.425	3.449	-0.024	176	549312		95.00- 101.00		98.61
3.425	3.449	-0.024	177	35848		5.00- 9.00		6.53

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\BFB203.D Page 1

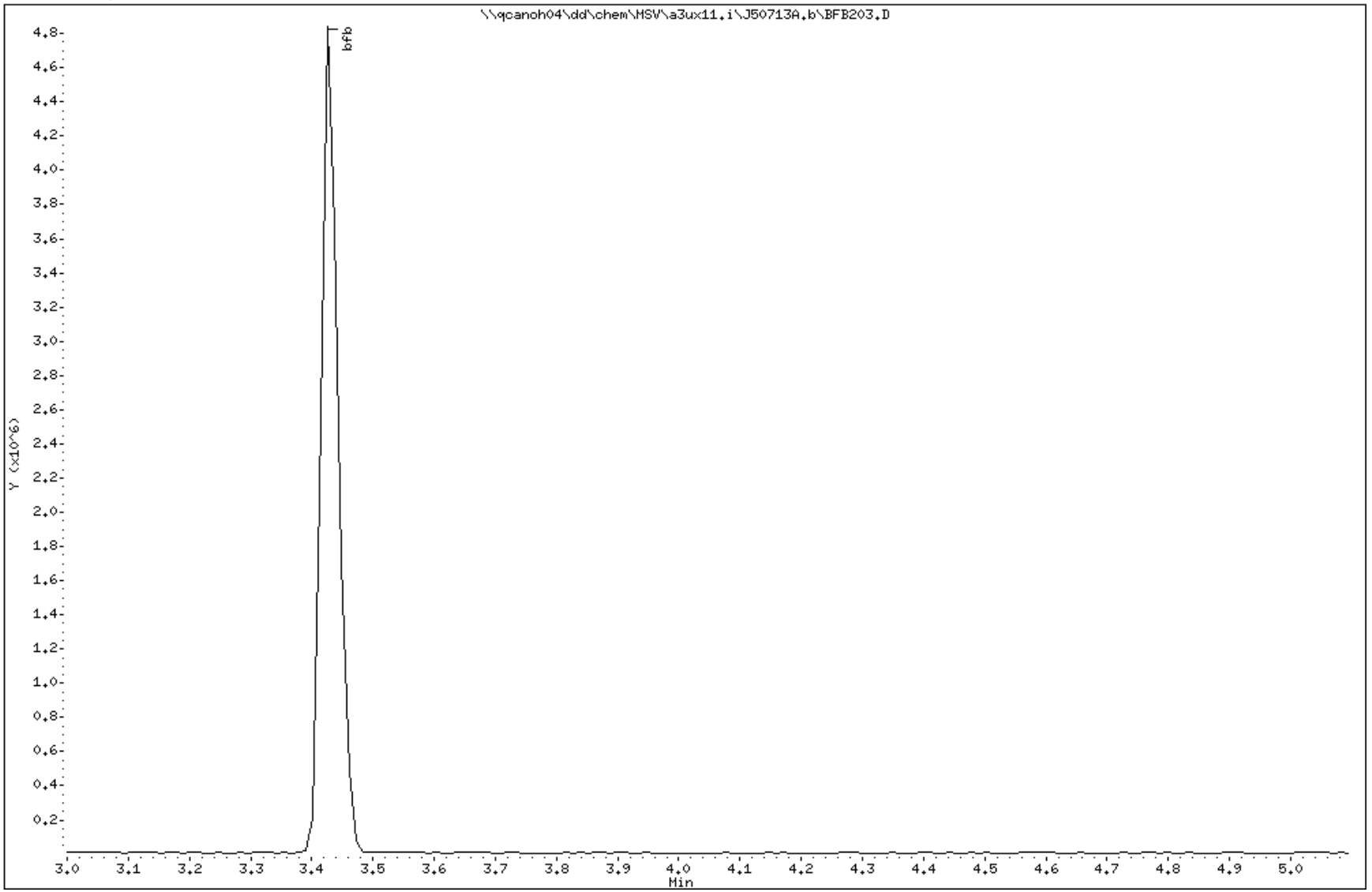
Date : 13-JUL-2005 08:00

Client ID: 50NG BFB Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 43582

Column phase: DB624 20M Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\BFB203.D

Date : 13-JUL-2005 08:00

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

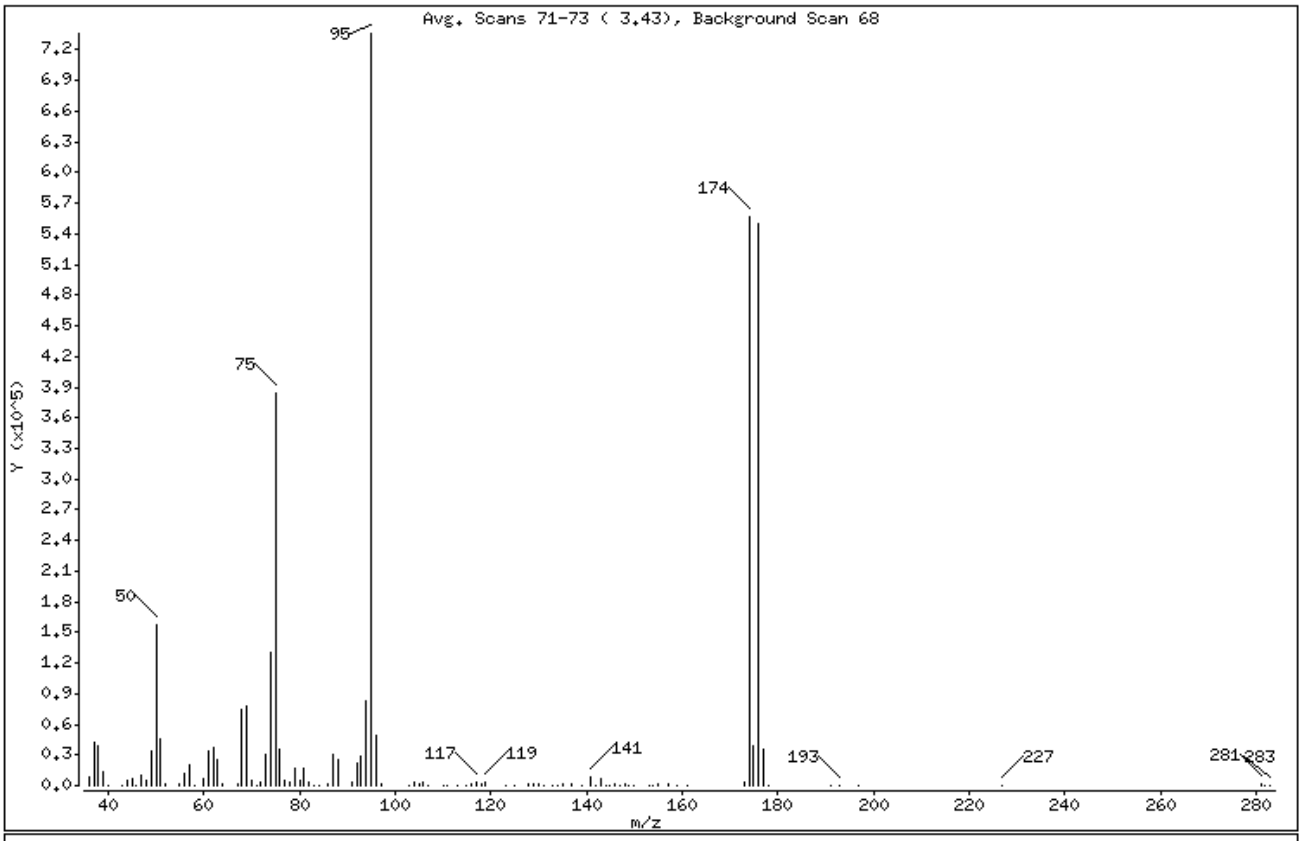
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.46
75	30.00 - 60.00% of mass 95	52.13
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.40 (0.53)
174	50.00 - 100.00% of mass 95	75.68
175	5.00 - 9.00% of mass 174	5.26 (6.95)
176	95.00 - 101.00% of mass 174	74.63 (98.61)
177	5.00 - 9.00% of mass 176	4.87 (6.53)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\BFB203.D

Date : 13-JUL-2005 08:00

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB203.D
Spectrum: Avg. Scans 71-73 (3.43), Background Scan 68
Location of Maximum: 95.00
Number of points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8737	70.00	5570	105.00	850	146.00	1073
37.00	42808	71.00	203	106.00	2892	147.00	270
38.00	39200	72.00	3558	107.00	446	148.00	1531
39.00	13032	73.00	29728	110.00	312	149.00	673
40.00	505	74.00	129528	111.00	620	150.00	650
43.00	503	75.00	383744	113.00	281	153.00	226
44.00	5616	76.00	34840	115.00	263	154.00	302
45.00	6878	77.00	4493	116.00	2099	155.00	2103
46.00	230	78.00	2916	117.00	4097	157.00	850
47.00	10716	79.00	16696	118.00	2364	159.00	550
48.00	4566	80.00	4630	119.00	2898	161.00	782
49.00	34248	81.00	17280	123.00	181	173.00	2938
50.00	157952	82.00	3691	125.00	374	174.00	557056
51.00	45432	83.00	174	128.00	2458	175.00	38720
52.00	2147	84.00	193	129.00	1184	176.00	549312
55.00	1842	86.00	1038	130.00	2138	177.00	35848
56.00	11101	87.00	30264	131.00	729	178.00	839
57.00	20976	88.00	25648	133.00	682	191.00	247
58.00	441	91.00	2586	134.00	204	193.00	535
60.00	6714	92.00	21536	135.00	1258	197.00	180
61.00	33240	93.00	28520	137.00	1216	227.00	226
62.00	37000	94.00	83048	139.00	219	281.00	1020
63.00	25496	95.00	736064	141.00	7681	282.00	612
64.00	1761	96.00	49568	142.00	504	283.00	191
67.00	1960	97.00	1043	143.00	7418		
68.00	74968	103.00	227	144.00	353		
69.00	77424	104.00	2572	145.00	567		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5G060137 **Work Order #...:** HFC531AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G130000-241 HFC531AD-LCSD
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5194241
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**102**	**(75 - 122)**			**SW846 8260B**
	97	**(75 - 122)**	**4.5**	**(0-20)**	**SW846 8260B**
Benzene	**102**	**(80 - 116)**			**SW846 8260B**
	99	**(80 - 116)**	**2.6**	**(0-20)**	**SW846 8260B**
Toluene	**112**	**(74 - 119)**			**SW846 8260B**
	109	**(74 - 119)**	**2.9**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**105**	**(76 - 117)**			**SW846 8260B**
	104	**(76 - 117)**	**0.40**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**117**	**(63 - 130)**			**SW846 8260B**
	100	**(63 - 130)**	**16**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
	107	(61 - 128)
Toluene-d8	99	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	102	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5G060137 **Work Order #...:** HFC531AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G130000-241 HFC531AD-LCSD
Prep Date.....: 07/13/05 **Analysis Date..:** 07/13/05
Prep Batch #...: 5194241
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Trichloroethene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**4.5**	**SW846 8260B**
Benzene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**9.9**	**ug/L**	**99**	**2.6**	**SW846 8260B**
Toluene	**10**	**11**	**ug/L**	**112**		**SW846 8260B**
	10	**11**	**ug/L**	**109**	**2.9**	**SW846 8260B**
Chlorobenzene	**10**	**10**	**ug/L**	**105**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**0.40**	**SW846 8260B**
1,1-Dichloroethene	**10**	**12**	**ug/L**	**117**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**16**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
	98	(73 - 122)
1,2-Dichloroethane-d4	107	(61 - 128)
	107	(61 - 128)
Toluene-d8	99	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)
	102	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5472.D
Report Date: 13-Jul-2005 09:48

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5472.D
Lab Smp Id: LCS
Inj Date : 13-JUL-2005 09:27
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCS
Misc Info : J50713A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m
Meth Date : 13-Jul-2005 09:46 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.996	(1.000)	1655044	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1539481	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	912168	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	379141	48.4343	9.687
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	553728	53.2779	10.656
$ 6 Toluene-d8	98	6.334	6.333	(0.830)	1684378	49.7446	9.949
$ 7 Bromofluorobenzene	95	8.736	8.736	(1.144)	812390	48.8515	9.770
8 Dichlorodifluoromethane	85	1.494	1.494	(0.299)	476852	43.0397	8.608
9 Chloromethane	50	1.624	1.636	(0.325)	634821	62.5779	12.516
10 Vinyl Chloride	62	1.719	1.719	(0.344)	656689	60.9329	12.186
11 Bromomethane	94	1.991	1.991	(0.399)	193626	47.2155	9.443
12 Chloroethane	64	2.074	2.074	(0.415)	315436	60.3988	12.080
13 Trichlorofluoromethane	101	2.275	2.275	(0.455)	440973	50.5251	10.105
15 Acrolein	56	2.571	2.571	(0.515)	690548	779.290	155.86
16 Acetone	43	2.689	2.689	(0.538)	155282	52.9905	10.598
17 1,1-Dichloroethene	96	2.689	2.677	(0.538)	516134	58.2865	11.657
18 Freon-113	151	2.701	2.689	(0.541)	389229	50.6502	10.130
19 Iodomethane	142	2.819	2.819	(0.564)	23160	7.87180	1.574
20 Carbon Disulfide	76	2.866	2.878	(0.574)	1604132	57.9068	11.581
21 Methylene Chloride	84	3.056	3.044	(0.612)	583139	51.3340	10.267

22 Acetonitrile	41	2.902	2.902 (0.581)	573186	620.254	124.05
23 Acrylonitrile	53	3.221	3.221 (0.645)	1690005	669.946	133.99

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5472.D
Report Date: 13-Jul-2005 09:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.269	3.269	(0.654)	1261481	55.8421	11.168
	25 trans-1,2-Dichloroethene	96	3.269	3.269	(0.654)	466252	54.4453	10.889
	26 Hexane	86	3.494	3.494	(0.699)	110062	42.8496	8.570
	27 Vinyl acetate	43	3.494	3.624	(0.699)	443361	31.2767	6.255
	28 1,1-Dichloroethane	63	3.600	3.600	(0.721)	864236	58.1148	11.623
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.050	4.050	(0.811)	192824	54.0286	10.806
M	31 1,2-Dichloroethene (total)	96				962557	108.352	21.670
	32 cis-1,2-dichloroethene	96	4.062	4.062	(0.813)	496305	53.9064	10.781
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.310	4.310	(0.863)	809387	56.8343	11.367
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	563816	48.9155	9.783
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.618	4.618	(0.924)	404992	39.2646	7.853
	40 1,2-Dichloroethane	62	4.772	4.771	(0.955)	717623	63.3179	12.664
	41 Benzene	78	4.772	4.771	(0.955)	1988489	50.9581	10.192
	42 Trichloroethene	130	5.304	5.304	(1.062)	497433	50.8362	10.167
	43 1,2-Dichloropropane	63	5.482	5.481	(1.097)	514512	56.1017	11.220
	44 1,4-Dioxane	88	5.588	5.588	(1.118)	2879	41.6642	8.333
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.706	5.706	(1.142)	533986	47.3523	9.470
	47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	315456	56.3325	11.266
	48 cis-1,3-Dichloropropene	75	6.085	6.085	(1.218)	725127	45.9936	9.199
	49 4-Methyl-2-pentanone	43	6.203	6.203	(1.242)	442404	50.2168	10.043
	50 Toluene	91	6.393	6.393	(0.837)	2267608	56.1378	11.228
	51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	694678	48.8358	9.767
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	429900	55.0393	11.008
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.890	6.890	(0.902)	451746	52.7552	10.551
	56 2-Hexanone	43	6.949	6.949	(0.910)	317100	48.2534	9.651
	57 Dibromochloromethane	129	7.091	7.091	(0.929)	344408	39.3512	7.870
	58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	464009	55.7133	11.143
	59 Chlorobenzene	112	7.659	7.659	(1.003)	1593685	52.4438	10.489
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.753	7.753	(1.015)	876846	52.0825	10.416
	62 m + p-Xylene	106	7.860	7.860	(1.029)	2247694	104.550	20.910
M	63 Xylenes (total)	106				3342082	157.218	31.444
	64 Xylene-o	106	8.239	8.239	(1.079)	1094388	52.6681	10.534
	65 Styrene	104	8.250	8.250	(1.081)	1913483	52.4437	10.489
	66 Bromoform	173	8.428	8.428	(1.104)	197899	34.7840	6.957
	67 Isopropylbenzene	105	8.594	8.594	(1.126)	2882966	57.5049	11.501
	68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	624194	60.8213	12.164
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

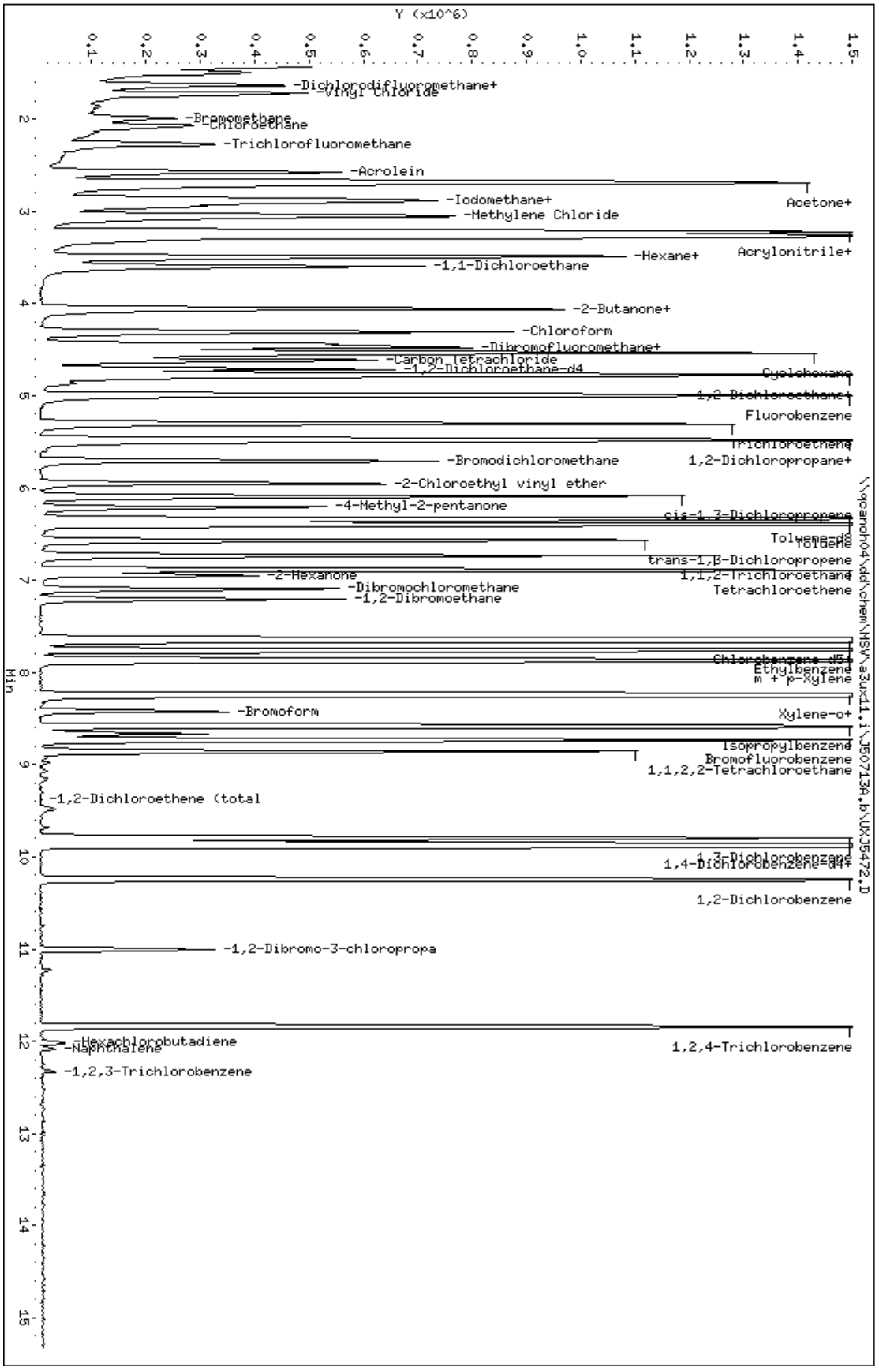
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5472.D
Report Date: 13-Jul-2005 09:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	9.801	9.800	(0.994)	1412968	52.5555	10.511
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1465469	53.4643	10.693
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1344963	53.8258	10.765
84	1,2-Dibromo-3-chloropropane	157	11.008	11.007	(1.116)	86802	43.2216	8.644
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	813298	84.9429	16.988
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	11957	2.07084	0.4142
87	Naphthalene	128	12.084	12.084	(1.226)	23071	1.78500	0.3570
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	10582	6.27987	1.256
98	Cyclohexane	56	4.535	4.535	(0.908)	883131	50.0094	10.002
143	Methyl Acetate	43	2.949	2.949	(0.590)	357355	61.0307	12.206(A)
144	Methylcyclohexane	83	5.482	5.481	(1.097)	714217	43.2933	8.659(A)
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J5071JA.b\UXJ5472.D
Date : 13-JUL-2005 09:27
Client ID:
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
Acetone+
-Iodomethane+
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Toluene
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-Hexachlorobutadiene
-Naphthalene
1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J5071JA.b\UXJ5472.D

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5473.D
Report Date: 13-Jul-2005 10:03

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5473.D
Lab Smp Id: LCSD
Inj Date : 13-JUL-2005 09:47
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCSD
Misc Info : J50713A,8260LLUX11,2-8260.SUB,43582,3
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m
Meth Date : 13-Jul-2005 09:46 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1644574	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1510143	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	894546	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.428	(0.889)	379458	48.7834	9.757
$ 5	1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	550109	53.2666	10.653
$ 6	Toluene-d8	98	6.333	6.333	(0.830)	1648811	49.6402	9.928
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	832852	51.0549	10.211
8	Dichlorodifluoromethane	85	1.494	1.494	(0.299)	439898	39.9571	7.991
9	Chloromethane	50	1.636	1.636	(0.327)	649787	64.4610	12.892
10	Vinyl Chloride	62	1.730	1.719	(0.346)	600649	56.0878	11.218
11	Bromomethane	94	1.991	1.991	(0.399)	205159	50.1112	10.022
12	Chloroethane	64	2.074	2.074	(0.415)	327200	63.0502	12.610
13	Trichlorofluoromethane	101	2.275	2.275	(0.455)	467335	53.8865	10.777
15	Acrolein	56	2.571	2.571	(0.515)	720111	817.826	163.56
16	Acetone	43	2.689	2.689	(0.538)	156693	54.1758	10.835
17	1,1-Dichloroethene	96	2.677	2.677	(0.536)	437738	49.7481	9.950
18	Freon-113	151	2.689	2.689	(0.538)	341484	44.7200	8.944
19	Iodomethane	142	2.831	2.819	(0.567)	8559	6.97087	1.394
20	Carbon Disulfide	76	2.866	2.878	(0.574)	1477140	53.6620	10.732
21	Methylene Chloride	84	3.044	3.044	(0.609)	540064	46.7896	9.358

22 Acetonitrile	41	2.902	2.902 (0.581)	598483	651.752	130.35
23 Acrylonitrile	53	3.221	3.221 (0.645)	1750825	698.475	139.69

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5473.D
Report Date: 13-Jul-2005 10:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
24	Methyl tert-butyl ether	73	3.269	3.269	(0.654)	1270875	56.6161	11.323
25	trans-1,2-Dichloroethene	96	3.269	3.269	(0.654)	447644	52.6052	10.521
26	Hexane	86	3.494	3.494	(0.699)	103226	40.4440	8.089
27	Vinyl acetate	43	3.494	3.624	(0.699)	405861	28.8136	5.763
28	1,1-Dichloroethane	63	3.600	3.600	(0.721)	825893	55.8901	11.178
29	tert-Butyl Alcohol	59	2.949	3.115	(0.590)	27107	47.3784	9.476
30	2-Butanone	43	4.050	4.050	(0.811)	214925	61.4638	12.293
M 31	1,2-Dichloroethene (total)	96				919413	104.173	20.834
32	cis-1,2-dichloroethene	96	4.062	4.062	(0.813)	471769	51.5676	10.314
33	2,2-Dichloropropane	77	Compound Not Detected.					
34	Bromochloromethane	128	Compound Not Detected.					
35	Chloroform	83	4.310	4.310	(0.863)	770186	54.4260	10.885
36	Tetrahydrofuran	42	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	543511	47.4541	9.491
38	1,1-Dichloropropene	75	Compound Not Detected.					
39	Carbon Tetrachloride	117	4.618	4.618	(0.924)	392757	38.3208	7.664
40	1,2-Dichloroethane	62	4.771	4.771	(0.955)	704107	62.5209	12.504
41	Benzene	78	4.771	4.771	(0.955)	1930087	49.6576	9.932
42	Trichloroethene	130	5.304	5.304	(1.062)	472569	48.6026	9.720
43	1,2-Dichloropropane	63	5.481	5.481	(1.097)	493406	54.1428	10.828
44	1,4-Dioxane	88	Compound Not Detected.					
45	Dibromomethane	93	5.706	5.576	(1.142)	13764	2.78736	0.5575
46	Bromodichloromethane	83	5.706	5.706	(1.142)	511081	45.6097	9.122
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	319392	57.3984	11.480
48	cis-1,3-Dichloropropene	75	6.085	6.085	(1.218)	704224	44.9522	8.990
49	4-Methyl-2-pentanone	43	6.203	6.203	(1.242)	454974	51.9724	10.394
50	Toluene	91	6.393	6.393	(0.837)	2160161	54.5168	10.903
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	663059	47.5186	9.504
52	Ethyl Methacrylate	69	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	443232	57.8486	11.570
54	1,3-Dichloropropane	76	Compound Not Detected.					
55	Tetrachloroethene	164	6.890	6.890	(0.902)	423435	50.4097	10.082
56	2-Hexanone	43	6.949	6.949	(0.910)	343627	53.3059	10.661
57	Dibromochloromethane	129	7.091	7.091	(0.929)	335474	39.0751	7.815
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	463948	56.7882	11.358
59	Chlorobenzene	112	7.659	7.659	(1.003)	1557085	52.2348	10.447
60	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61	Ethylbenzene	106	7.753	7.753	(1.015)	857547	51.9257	10.385
62	m + p-Xylene	106	7.860	7.860	(1.029)	2174303	103.101	20.620
M 63	Xylenes (total)	106				3239506	155.360	31.072
64	Xylene-o	106	8.239	8.239	(1.079)	1065203	52.2595	10.452
65	Styrene	104	8.250	8.250	(1.081)	1857753	51.9054	10.381
66	Bromoform	173	8.428	8.428	(1.104)	196616	35.2299	7.046
67	Isopropylbenzene	105	8.594	8.594	(1.126)	2776215	56.4514	11.290
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	650033	64.5868	12.917
69	1,4-Dichloro-2-butene	53	Compound Not Detected.					
70	1,2,3-Trichloropropane	110	Compound Not Detected.					
71	Bromobenzene	156	Compound Not Detected.					
72	n-Propylbenzene	120	Compound Not Detected.					
73	2-Chlorotoluene	126	Compound Not Detected.					
74	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75	4-Chlorotoluene	126	Compound Not Detected.					

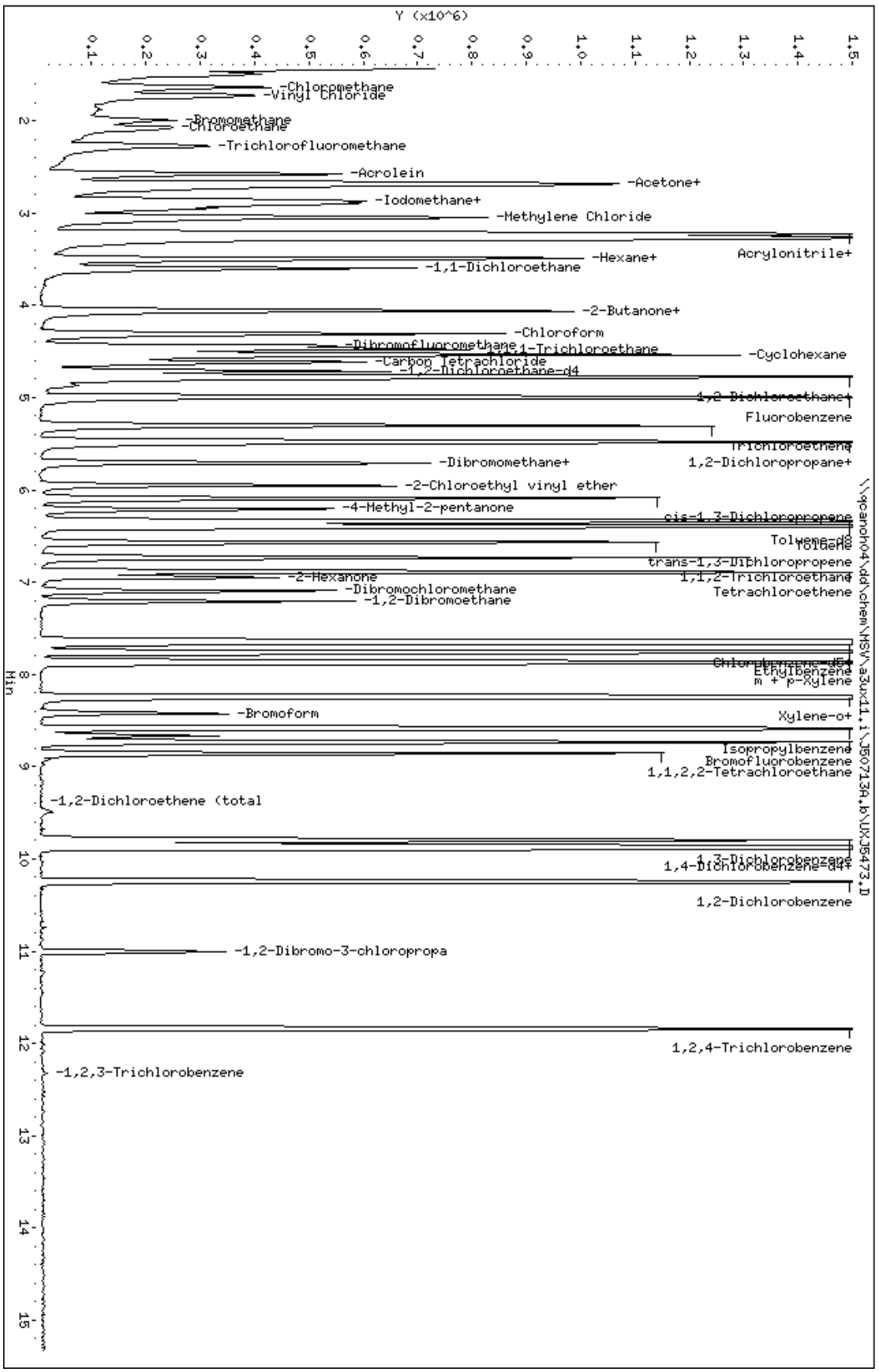
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5473.D
Report Date: 13-Jul-2005 10:03

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	1336582	50.6937	10.139
81 1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1430880	53.2308	10.646
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1297346	52.9430	10.588
84 1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	91512	46.4645	9.293
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	821935	87.5360	17.507
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	12.321	12.333	(1.250)	3177	1.92253	0.3845
98 Cyclohexane	56	4.535	4.535	(0.908)	780502	44.4791	8.896
143 Methyl Acetate	43	2.949	2.949	(0.590)	367716	63.2000	12.640(A)
144 Methylcyclohexane	83	5.481	5.481	(1.097)	634456	38.7033	7.741(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J5071JA.b\UXJ5473.D
Date : 13-JUL-2005 09:47
Client ID:
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
1,1,1-Trichloroethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
1,2-Dichloropropane+
-Dibromomethane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Toluene
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene
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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5G060137 **Work Order #...:** HFF9H1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G140000-234 HFF9H1AD-LCSD
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**112**	**(75 - 122)**			**SW846 8260B**
	109	**(75 - 122)**	**2.8**	**(0-20)**	**SW846 8260B**
Benzene	**99**	**(80 - 116)**			**SW846 8260B**
	97	**(80 - 116)**	**2.1**	**(0-20)**	**SW846 8260B**
Toluene	**94**	**(74 - 119)**			**SW846 8260B**
	91	**(74 - 119)**	**2.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**99**	**(76 - 117)**			**SW846 8260B**
	96	**(76 - 117)**	**3.4**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**102**	**(63 - 130)**			**SW846 8260B**
	93	**(63 - 130)**	**8.6**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	105	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	88	(61 - 128)
Toluene-d8	100	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	102	(74 - 116)
	97	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5G060137 **Work Order #...:** HFF9H1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G140000-234 HFF9H1AD-LCSD
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5195234
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Trichloroethene	**10**	**11**	**ug/L**	**112**		**SW846 8260B**
	10	**11**	**ug/L**	**109**	**2.8**	**SW846 8260B**
Benzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**2.1**	**SW846 8260B**
Toluene	**10**	**9.4**	**ug/L**	**94**		**SW846 8260B**
	10	**9.1**	**ug/L**	**91**	**2.4**	**SW846 8260B**
Chlorobenzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**3.4**	**SW846 8260B**
1,1-Dichloroethene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**9.3**	**ug/L**	**93**	**8.6**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	105	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
	88	(61 - 128)
Toluene-d8	100	(76 - 110)
	97	(76 - 110)
4-Bromofluorobenzene	102	(74 - 116)
	97	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9787.D
Report Date: 14-Jul-2005 08:47

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9787.D
Lab Smp Id: CHECK
Inj Date : 12-JUL-2005 23:27
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50712B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 32 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.991	4.989	(1.000)	1079885	50.0000	
* 2 Chlorobenzene-d5	117	7.641	7.652	(1.000)	848577	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.876	(1.000)	480811	50.0000	
$ 4 Dibromofluoromethane	113	4.435	4.433	(0.889)	219755	53.0112	10.602
$ 5 1,2-Dichloroethane-d4	65	4.707	4.705	(0.943)	261106	47.3763	9.475
$ 6 Toluene-d8	98	6.340	6.338	(0.830)	910399	49.8554	9.971
$ 7 Bromofluorobenzene	95	8.754	8.752	(1.146)	348797	50.9665	10.193
8 Dichlorodifluoromethane	85	1.476	1.475	(0.296)	183973	54.6509	10.930
9 Chloromethane	50	1.630	1.629	(0.327)	236360	36.0460	7.209
10 Vinyl Chloride	62	1.701	1.700	(0.341)	249190	47.9569	9.591
11 Bromomethane	94	1.961	1.960	(0.393)	72068	22.3522	4.470
12 Chloroethane	64	2.044	2.043	(0.410)	189734	51.4562	10.291
13 Trichlorofluoromethane	101	2.245	2.244	(0.450)	396114	59.3179	11.864
15 Acrolein	56	2.553	2.552	(0.512)	337174	543.474	108.69
16 Acetone	43	2.683	2.682	(0.538)	96732	19.5328	3.906
17 1,1-Dichloroethene	96	2.660	2.658	(0.533)	222933	50.8526	10.170
18 Freon-113	151	2.648	2.658	(0.531)	207403	69.4193	13.884
19 Iodomethane	142	2.790	2.788	(0.559)	23696	5.82643	1.165
20 Carbon Disulfide	76	2.849	2.847	(0.571)	741018	44.9909	8.998
21 Methylene Chloride	84	3.026	3.037	(0.606)	277949	34.9312	6.986

22 Acetonitrile	41	2.896	2.895 (0.580)	337623	437.468	87.494
23 Acrylonitrile	53	3.204	3.202 (0.642)	829677	459.872	91.974

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9787.D
Report Date: 14-Jul-2005 08:47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.251	3.250	(0.652)	635114	48.9733	9.795
	25 trans-1,2-Dichloroethene	96	3.251	3.250	(0.652)	229092	50.3329	10.066
	26 Hexane	86	3.476	3.475	(0.697)	62959	75.6563	15.131
	27 Vinyl acetate	43	3.476	3.605	(0.697)	192015	26.7662	5.353
	28 1,1-Dichloroethane	63	3.583	3.581	(0.718)	393316	47.1661	9.433
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.044	4.043	(0.810)	102336	31.1065	6.221
M	31 1,2-Dichloroethene (total)	96				478320	102.224	20.445
	32 cis-1,2-dichloroethene	96	4.056	4.054	(0.813)	249228	51.8913	10.378
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.304	4.303	(0.862)	392339	50.1093	10.022
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.470	4.469	(0.896)	314787	53.5836	10.717
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.612	4.611	(0.924)	252651	59.7910	11.958
	40 1,2-Dichloroethane	62	4.766	4.776	(0.955)	310762	46.6318	9.326
	41 Benzene	78	4.766	4.776	(0.955)	936113	49.5311	9.906
	42 Trichloroethene	130	5.298	5.309	(1.062)	259292	56.1179	11.224
	43 1,2-Dichloropropane	63	5.488	5.486	(1.100)	228626	47.3922	9.478
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.712	5.711	(1.145)	277529	47.2739	9.455
	47 2-Chloroethyl vinyl ether	63	5.961	5.959	(1.194)	137201	47.7200	9.544
	48 cis-1,3-Dichloropropene	75	6.091	6.101	(1.220)	335422	48.8367	9.767
	49 4-Methyl-2-pentanone	43	6.221	6.220	(1.247)	196866	40.1568	8.031
	50 Toluene	91	6.399	6.397	(0.837)	1050008	46.8617	9.372
	51 trans-1,3-Dichloropropene	75	6.576	6.575	(0.861)	264644	43.4151	8.683
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.742	6.740	(0.882)	194234	44.9848	8.997
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.896	6.906	(0.902)	214398	53.8433	10.769
	56 2-Hexanone	43	6.955	6.965	(0.910)	135621	29.1757	5.835
	57 Dibromochloromethane	129	7.109	7.107	(0.930)	202364	48.4384	9.688
	58 1,2-Dibromoethane	107	7.215	7.214	(0.944)	205105	49.7029	9.940
	59 Chlorobenzene	112	7.677	7.675	(1.005)	710370	49.5422	9.908
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.771	7.770	(1.017)	373872	49.0035	9.801
	62 m + p-Xylene	106	7.878	7.876	(1.031)	942241	98.8493	19.770
M	63 Xylenes (total)	106				1395958	147.900	29.580
	64 Xylene-o	106	8.257	8.255	(1.081)	453717	49.0510	9.810
	65 Styrene	104	8.268	8.267	(1.082)	765061	46.8899	9.378
	66 Bromoform	173	8.446	8.444	(1.105)	141597	56.0148	11.203
	67 Isopropylbenzene	105	8.600	8.610	(1.125)	1145028	53.7562	10.751
	68 1,1,2,2-Tetrachloroethane	83	8.872	8.870	(0.898)	252248	39.8027	7.960
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

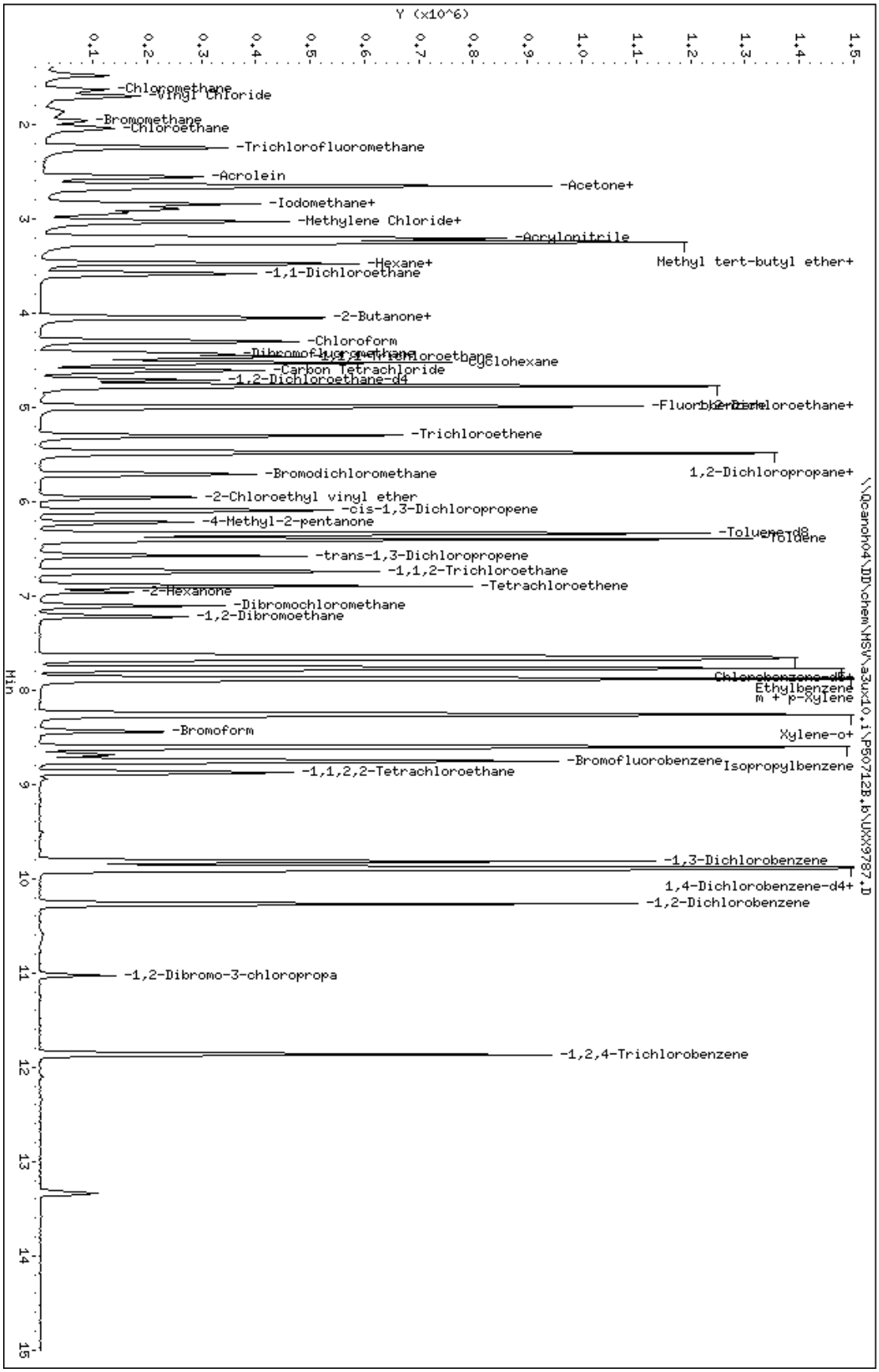
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9787.D
Report Date: 14-Jul-2005 08:47

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.818	9.817	(0.994)	593962	47.0249	9.405
81 1,4-Dichlorobenzene	146	9.901	9.900	(1.002)	618889	45.9515	9.190
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.268	10.267	(1.040)	565660	45.8365	9.167
84 1,2-Dibromo-3-chloropropane	157	11.025	11.024	(1.116)	47126	46.2286	9.246
85 1,2,4-Trichlorobenzene	180	11.866	11.864	(1.201)	376898	45.7794	9.156
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.529	4.528	(0.908)	359797	55.2713	11.054
143 Methyl Acetate	43	2.944	2.942	(0.590)	190412	43.5039	8.701(A)
144 Methylcyclohexane	83	5.476	5.474	(1.097)	370170	65.0062	13.001(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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


Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9787.D
Date : 12-JUL-2005 23:27
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile
Methyl tert-butyl ether+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
Isopropylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9787.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9788.D
Report Date: 14-Jul-2005 08:48

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9788.D
Lab Smp Id: CHECK
Inj Date : 12-JUL-2005 23:52
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50712B,8260LLUX10,2-8260.SUB,1904,3
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 33 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.990	4.989	(1.000)	1072570	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	854607	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.876	(1.000)	468148	50.0000	
$ 4 Dibromofluoromethane	113	4.433	4.433	(0.889)	216278	52.5283	10.506
$ 5 1,2-Dichloroethane-d4	65	4.706	4.705	(0.943)	240854	43.9997	8.800
$ 6 Toluene-d8	98	6.338	6.338	(0.828)	892269	48.5178	9.704
$ 7 Bromofluorobenzene	95	8.752	8.752	(1.144)	335879	48.7301	9.746
8 Dichlorodifluoromethane	85	1.475	1.475	(0.296)	149632	45.0273	9.005
9 Chloromethane	50	1.629	1.629	(0.327)	233484	35.8502	7.170
10 Vinyl Chloride	62	1.700	1.700	(0.341)	236842	45.8914	9.178
11 Bromomethane	94	1.960	1.960	(0.393)	78472	24.5044	4.901
12 Chloroethane	64	2.043	2.043	(0.410)	180848	49.3808	9.876
13 Trichlorofluoromethane	101	2.244	2.244	(0.450)	343515	51.7921	10.358
15 Acrolein	56	2.552	2.552	(0.512)	340960	553.325	110.66
16 Acetone	43	2.682	2.682	(0.538)	99382	20.7506	4.150
17 1,1-Dichloroethene	96	2.658	2.658	(0.533)	203156	46.6574	9.331
18 Freon-113	151	2.647	2.658	(0.530)	178162	60.0388	12.008
19 Iodomethane	142	2.800	2.788	(0.561)	13731	3.39924	0.6798
20 Carbon Disulfide	76	2.848	2.847	(0.571)	697033	42.6090	8.522
21 Methylene Chloride	84	3.025	3.037	(0.606)	275774	34.8771	6.975

22 Acetonitrile	41	2.895	2.895 (0.580)	324237	422.989	84.598
23 Acrylonitrile	53	3.203	3.202 (0.642)	816447	455.625	91.125

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9788.D
Report Date: 14-Jul-2005 08:48

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
	24 Methyl tert-butyl ether	73	3.250	3.250	(0.651)	607703	47.1793	9.436
	25 trans-1,2-Dichloroethene	96	3.250	3.250	(0.651)	219952	48.6543	9.731
	26 Hexane	86	3.475	3.475	(0.696)	48973	59.2510	11.850
	27 Vinyl acetate	43	3.475	3.605	(0.696)	158006	22.1757	4.435
	28 1,1-Dichloroethane	63	3.581	3.581	(0.718)	387395	46.7729	9.354
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.055	4.043	(0.813)	104043	31.8410	6.368
M	31 1,2-Dichloroethene (total)	96				460621	99.1053	19.821
	32 cis-1,2-dichloroethene	96	4.055	4.054	(0.813)	240669	50.4510	10.090
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.303	4.303	(0.862)	377268	48.5131	9.703
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.469	4.469	(0.896)	294185	50.4182	10.084
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.611	4.611	(0.924)	230698	54.9680	10.994
	40 1,2-Dichloroethane	62	4.777	4.776	(0.957)	305577	46.1665	9.233
	41 Benzene	78	4.777	4.776	(0.957)	910405	48.4994	9.700
	42 Trichloroethene	130	5.309	5.309	(1.064)	250377	54.5581	10.912
	43 1,2-Dichloropropane	63	5.487	5.486	(1.100)	225533	47.0699	9.414
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.711	5.711	(1.145)	269433	46.2078	9.242
	47 2-Chloroethyl vinyl ether	63	5.960	5.959	(1.194)	142645	49.9519	9.990
	48 cis-1,3-Dichloropropene	75	6.090	6.101	(1.221)	322029	47.2065	9.441
	49 4-Methyl-2-pentanone	43	6.220	6.220	(1.247)	192087	39.4492	7.890
	50 Toluene	91	6.398	6.397	(0.836)	1032106	45.7377	9.148
	51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	270557	44.0719	8.814
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.741	6.740	(0.881)	201367	46.3077	9.262
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.895	6.906	(0.901)	203394	50.7194	10.144
	56 2-Hexanone	43	6.954	6.965	(0.909)	136711	29.2027	5.840
	57 Dibromochloromethane	129	7.108	7.107	(0.929)	206558	49.0934	9.819
	58 1,2-Dibromoethane	107	7.214	7.214	(0.943)	201034	48.3726	9.674
	59 Chlorobenzene	112	7.676	7.675	(1.003)	691298	47.8719	9.574
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.770	7.770	(1.015)	376798	49.0386	9.808
	62 m + p-Xylene	106	7.877	7.876	(1.029)	916071	95.4257	19.085
M	63 Xylenes (total)	106				1360785	143.164	28.633
	64 Xylene-o	106	8.255	8.255	(1.079)	444714	47.7384	9.548
	65 Styrene	104	8.267	8.267	(1.080)	756285	46.0250	9.205
	66 Bromoform	173	8.445	8.444	(1.104)	141632	55.6333	11.127
	67 Isopropylbenzene	105	8.610	8.610	(1.125)	1095412	51.0640	10.213
	68 1,1,2,2-Tetrachloroethane	83	8.871	8.870	(0.898)	249424	40.4216	8.084
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

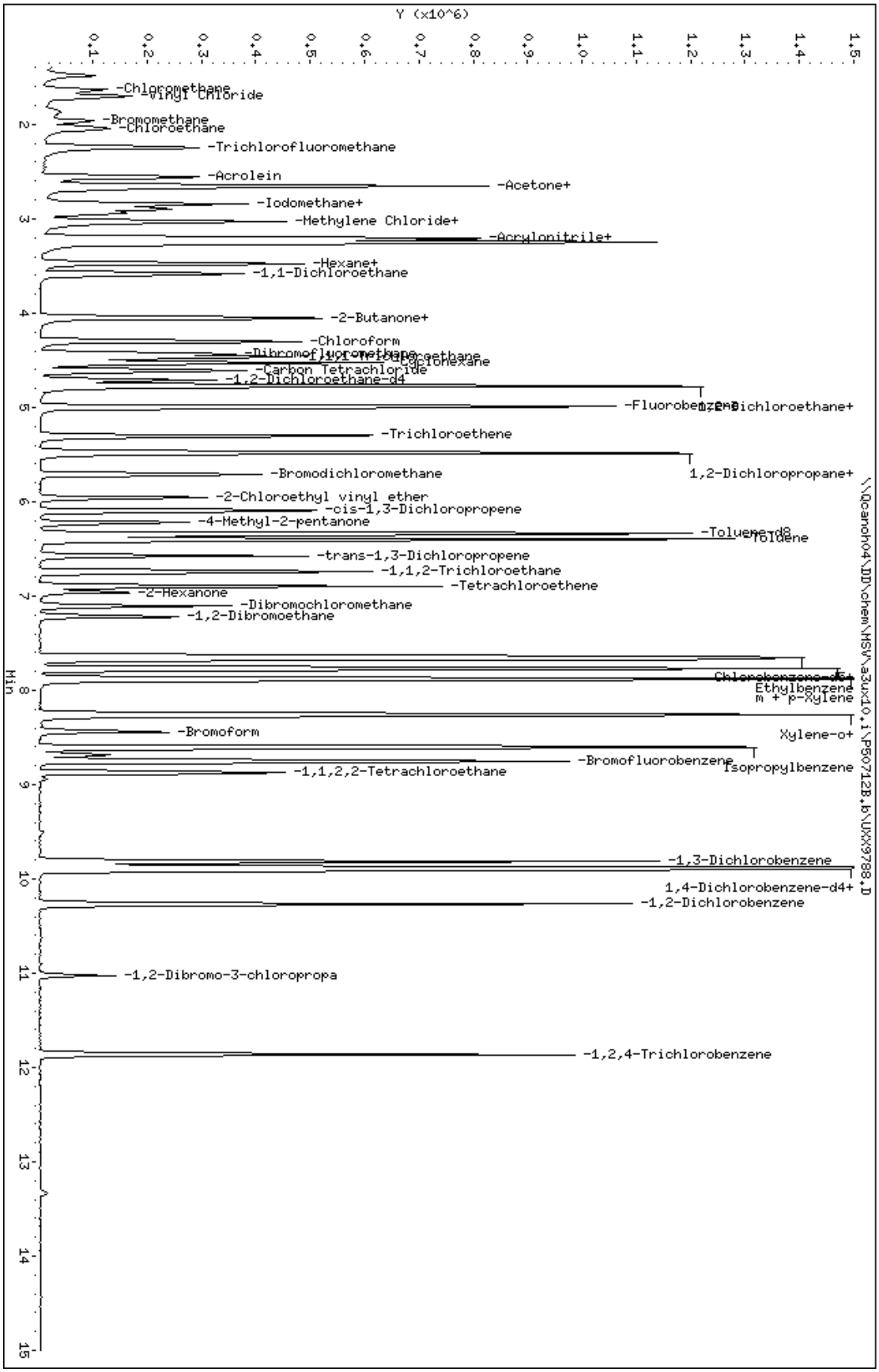
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9788.D
Report Date: 14-Jul-2005 08:48

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	574923	46.7487	9.350
81 1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	626813	47.7987	9.560
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	548840	45.6765	9.135
84 1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	49962	50.3363	10.067
85 1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	380901	47.5171	9.503
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.528	4.528	(0.908)	303278	46.9067	9.381
143 Methyl Acetate	43	2.942	2.942	(0.590)	183302	42.1651	8.433(A)
144 Methylcyclohexane	83	5.475	5.474	(1.097)	300499	53.1310	10.626(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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


Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9788.D
Date : 12-JUL-2005 23:52
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-Fluorobenzene
1,2-Dichloroethane+
-Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Ethylbenzene
m + p-Xylene
Xylene-o+
-Bromoform
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9788.D

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5G060137 **Work Order #...:** HFC531AA **Matrix.....:** WATER
MB Lot-Sample #: A5G130000-241

Prep Date.....: 07/13/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/13/05 **Prep Batch #...:** 5194241
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5474.D
Report Date: 14-Jul-2005 10:12

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5474.D
Lab Smp Id: HFC531AA
Inj Date : 13-JUL-2005 10:09
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J50713A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50713A.b\8260LLUX11.m
Meth Date : 13-Jul-2005 09:46 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1631829	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1495939	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.859	9.860	(1.000)	854849	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.428	(0.889)	366843	47.5299	9.506
$ 5	1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	506500	49.4270	9.885
$ 6	Toluene-d8	98	6.333	6.333	(0.830)	1621980	49.2961	9.859
$ 7	Bromofluorobenzene	95	8.735	8.736	(1.144)	785975	48.6388	9.728
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	96	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

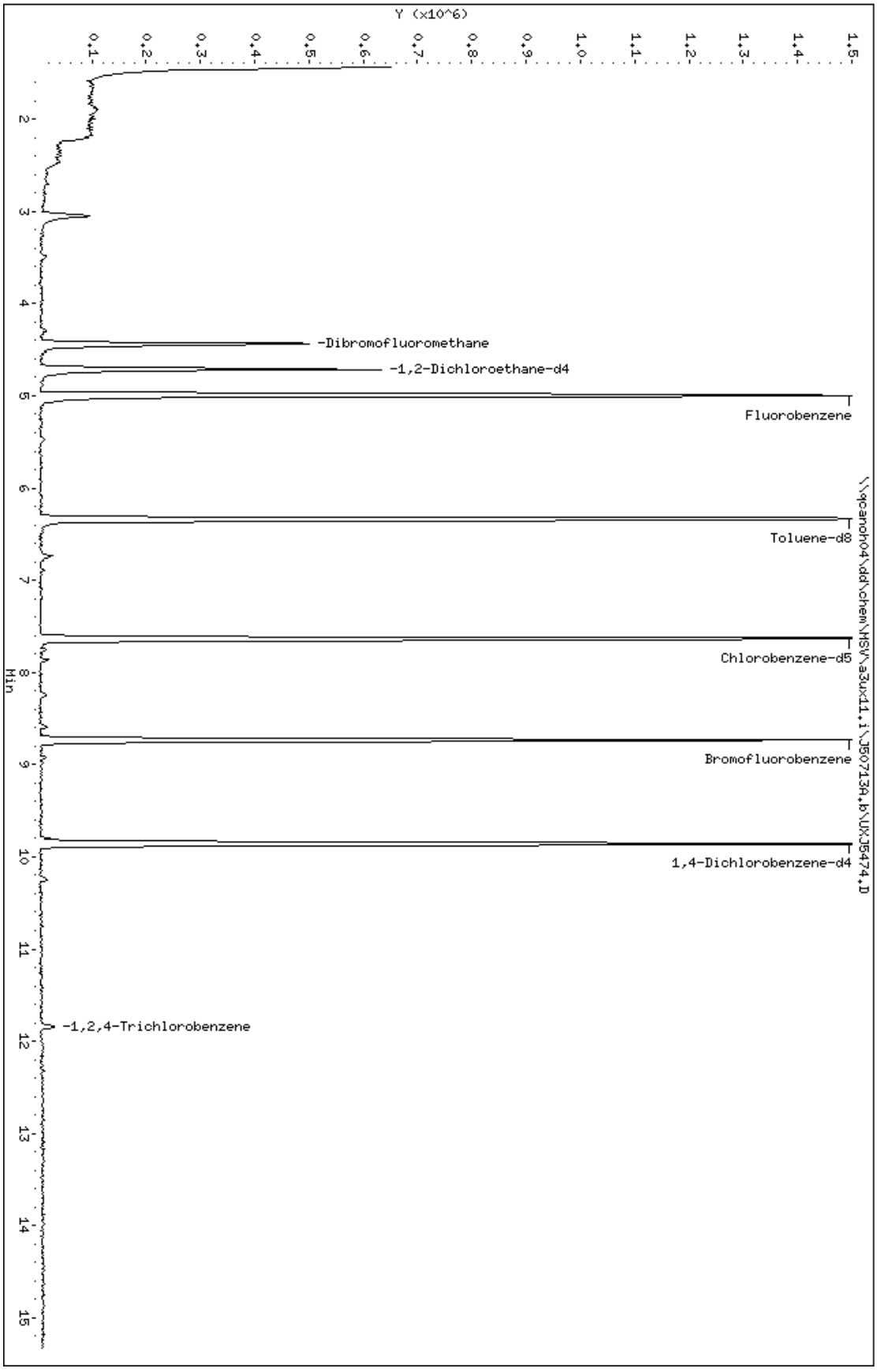
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5474.D
Report Date: 14-Jul-2005 10:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5474.D
Report Date: 14-Jul-2005 10:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.836	11.848	(1.200)	9340	1.04090	0.2082
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J5071JA.b\UXJ5474.D
Date : 13-JUL-2005 10:09
Client ID:
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J5071JA.b\UXJ5474.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50713A.b\UXJ5474.D

Date : 13-JUL-2005 10:09

Client ID:

Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0

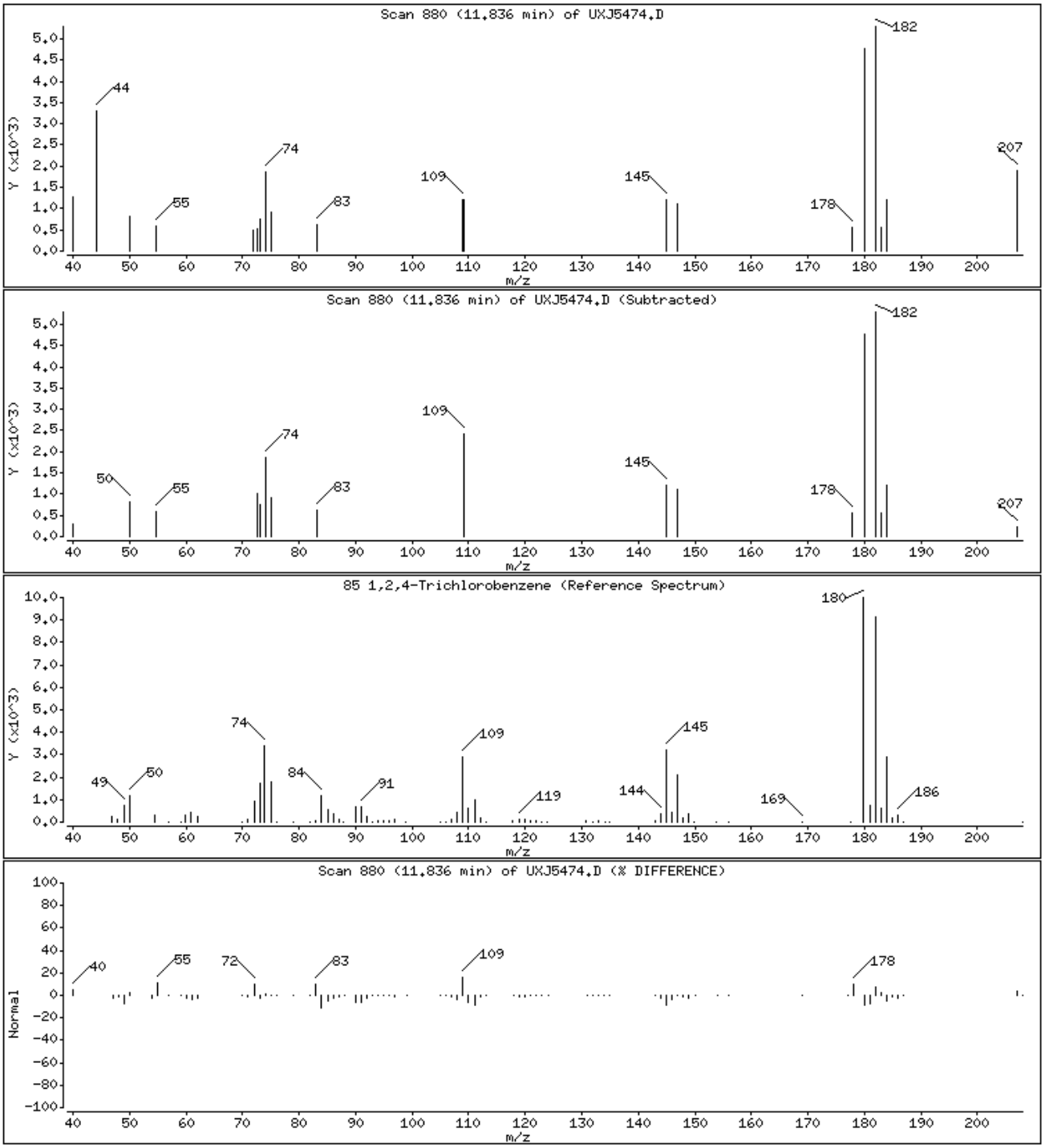
Operator: 43582

Column phase: DB624

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.2082 ug/L



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5G060137 **Work Order #...:** HFF9H1AA **Matrix.....:** WATER
MB Lot-Sample #: A5G140000-234

Prep Date.....: 07/13/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/13/05 **Prep Batch #...:** 5195234
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(73 - 122)
1,2-Dichloroethane-d4	86	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9789.D
Report Date: 14-Jul-2005 08:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9789.D
Lab Smp Id: VBLK
Inj Date : 13-JUL-2005 00:16
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P50712B,8260LLUX10,,1904,3,,BLANK,,0
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\8260LLUX10.m
Meth Date : 14-Jul-2005 08:41 a3ux10.i Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 34 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.991	4.989	(1.000)	1047015	50.0000	
* 2 Chlorobenzene-d5	117	7.641	7.652	(1.000)	824622	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.876	(1.000)	441102	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	208606	51.9016	10.380
$ 5 1,2-Dichloroethane-d4	65	4.707	4.705	(0.943)	231063	43.2413	8.648
$ 6 Toluene-d8	98	6.339	6.338	(0.830)	852720	48.0533	9.611
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.146)	308137	46.3279	9.266
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9789.D
Report Date: 14-Jul-2005 08:49

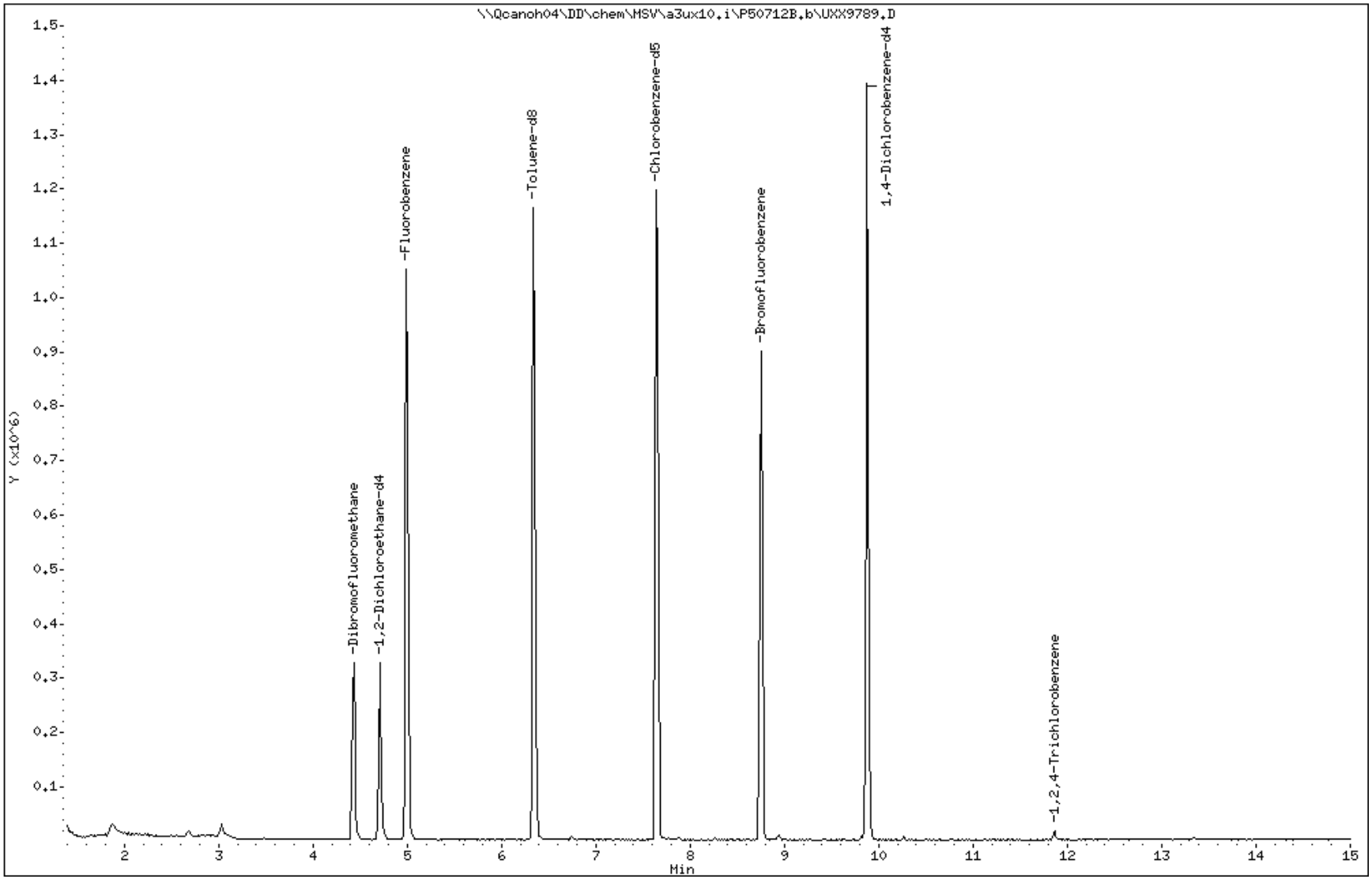
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50712B.b\UXX9789.D
Report Date: 14-Jul-2005 08:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.865	11.864	(1.201)	7823	1.03575	0.2072
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux10.i\P50712B.b\UXX9789.D
Date : 13-JUL-2005 00:16
Client ID:
Instrument: a3ux10.i
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Operator: 1904
Column phase: DB624
Column diameter: 0.18



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Date : 13-JUL-2005 00:16

Client ID:

Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

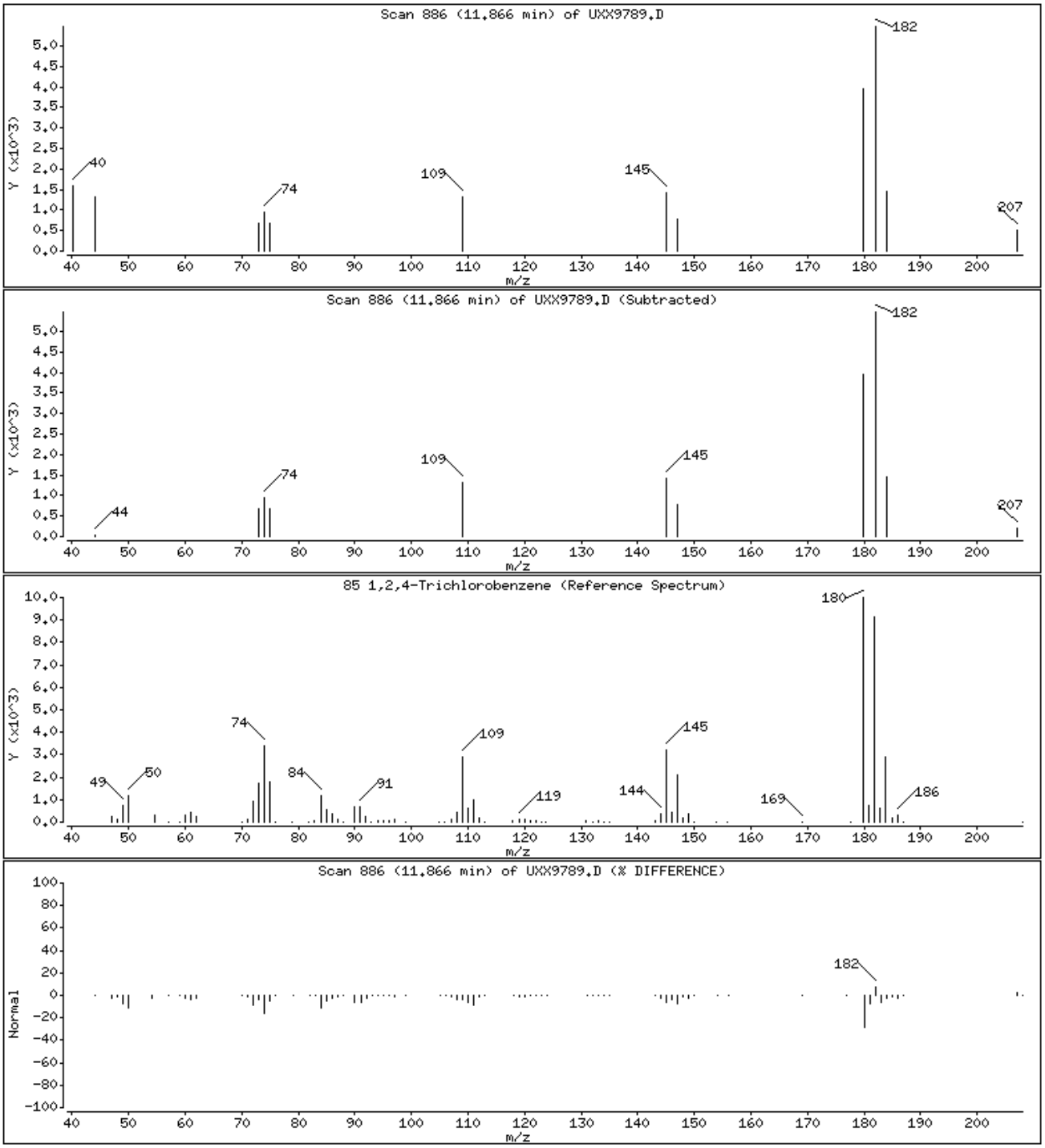
Operator: 1904

Column phase: DB624

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.2072 ug/L



MISCELLANEOUS DATA

UX10
Batch # 5174443

STL-North Canton
GC/MS VOA Run Log

Date: 6-22-05

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min
IS # V3080 SS # V3082

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

6/24

Purge & Trap
Trap: #10 K
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt charged	Std number Sample prep	Comments	Sample status
	BFB		BFB1701	50NJ		1623	ok
	8260 STD		UXX9118	200NJ	V3186 V3201,02,03		ok
			19	100NJ			ok
			20	50NJ		V50622	ok
			21	25NJ			ok
			22	10NJ			ok
			23	5NJ			ok
	ICV		24	50NJ	V3174		ok
	CHECK	HD9CA	25	50NJ	V3174		ok
	CHECK		26	50NJ			ok
	BLANK		27	5ML			ok
	BLANK		28	5ML			ok
	HDCSC1DY		29	5ML			ok
	HDCSL1DY		30				ok
	HDCSN1AC		31				ok
	HDFCA1AA		32				ok
	HDFCC1AA		33				ok
	HDFCN1AA		34				ok
M	HDFCT1AA		35				ok
	HDFCW1AA		36				ok
	HDFP71AA		37	1ML/5ML			ok
	HDFP81AA		38				ok
	HDFM91AA		39	5ML			ok
	HDFNF1AA		40	1.3ML/5ML			ok
	HDFNK1AA		41	5ML			ok
	HDFNM1AA		42	5ML			ok
	HDFMJ1AA		43	0.12ML/5ML			ok
	HDFMT1AA		44	0.12ML/5ML			ok
	HDFMT1AP	MS	45		+50NJ		ok
	HDFMT1AQ	MSD	UXX9146				ok
						RR 6-23-05	

Analyst: RR
Level 2 review: [signature]
5590
PDF Made: N

UX10
Batch # 519523Y

STL-North Canton
GC/MS VOA Run Log

Date: 7-12-05

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min
IS # V3211 SS # V3212

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min
1/15

Purge & Trap
Trap: #10 K
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

Autosampler num	Sample ID & Workorder#	Matrix	Method/File Name	Amt purged	Std number(s) & Sample Prep	Comments	Sample status
						2212	
	BFB		BFB1726	50ml			ok
	8260 STD		UXX9785	50ml	V3269,70,71	V50622	ok
	APP. IX STD		86	50ml	V3234,54	V50623	ok
	CHECK	HFF9H	87	50ml	V3262		ok
	CHECK		88	50ml			ok
(m)	BLANK		89	5ML		TICS	ok
	HE6NG1AA		90	5ML		TICS	ok
	HE6N81AA		91				ok
	HE6N91AA		92				ok
	HE6PA1AA		93				ok
	HE6PC1AA		94	1ML/5ML		K.I.T.P.L.	ok
	HE6PC1AE	MS	95		+50ml		ok
	HE6PC1AF	MSD	96				ok
	HE6PD1AA		97	5ML			ok
	HE6PF1AA		98				ok
	HE6PG1AA		UXX9799				ok
	HEXEE1AA		UXX9800				ok
	HEXEG1AL		01				ok
	HEXEH1AL		02				ok
	HEXEL1AL		03				ok
	HEXEN1AL		04				ok
	HEXEP1AL		05				ok
	HEXER1AL		06				ok
	HEXET1AL		07				ok
	HEXEV1AA		08				ok
	HE1M21AA		09				ok
	HE1NE1AA		10				ok
	HE1NJ1AA		UXX9811				ok
						RLL 7-14-05	

Analyst: RLL
Level 2 review:

PDF Made: ✓

UX11
Batch # 5174183

STL-North Canton
GC/MS VOA Run Log

(6/14

Date: 6/22/05

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min
IS # V3175 SS # V3176

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample Status
	BFB		BFB178	50ng	diluent	9:45	Ok
1	VOI STD		6JT771	5ng	V3171, 83,86		Ok
2	VOI STD		72	10ng	V3203	J50622	Ok
3	VOI STD		73	25ng			Ok
4	VOI STD		74	50ng			Ok
5	VOI STD		75	100ng		@ Archon failed.	—
6	VOI STD		76	200ng			Ok
7	BCV		77	50ng	V3174		Ok
8	VOI STD		78	100ng	1		Ok
9	Aq STD		79	5ng	V3163, 90		Ok
10	Aq STD		80	10ng			Ok
11	Aq STD		81	25ng		J50622	Ok
12	Aq STD		82	50ng			Ok
13	Aq STD		83	100ng			Ok
14	Aq STD		84	200ng			Ok
15	Check	HDFQP	85	50ng			Ok
16	Check	Dup	86	1			Ok
17	Blank		87	5ml			Ok
18	HC8Q1AA	SD	88				ok
19	HC8Q3IAA		89				Ok
20	HC8Q6IAA		90				Ok
21	HC8Q8IAA		91				Ok
22	HC8Q9IAA		92				Ok
23	HC8RC1AA		93	0.5ml/5ml			ok
24	HC8QX2AA		94	5ml			Ok
25	HC8RC2AA		95	1			Ok
26	HDOFV1AP	(5)	96	0.1ml/5ml	TBOM		Ok
27	HDOFV1AQ	(0)	97	1	1		Ok
28	HDOFV1AA		98	0.1ml/5ml			Ok
29	HDC30IAA		99	5ml			Ok
30	HDC3T1AA	1	4800	1			Ok
31							
32							

0801118
100161
100133

Analyst: JM
Level 2 review: JE

PDF Made: ✓

UX11
Batch # 5194241

STL-North Canton
GC/MS VOA Run Log

(7/17)

Date: 4/13/05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	40 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold — min	to — C @ — C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V3252 SS # V3253	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID / Work order #	Notes	File name	Int. mixture	Std number / Sample prep	Comments	
1	BFB		BFB203	JDry	diluject	(8:00)	ok
1B	VOLSTD		CKJ5469			VC ↑	ok
2	AnSTD		70		V3234,52	J50622	ok
3	VOLSTD		71		V3269 70,71	〃	ok
4	Check	HFC53	72		V3262		ok
5	check dup	〃	73	〃			ok
6	Blank	〃	74	5ml			ok
7	HE7K1AC	ED	75	〃			ok
8	HE7L1AM	〃	76	〃			ok
9	HE2DN1AA		77	2.5ml/5ml		(tic)	ok
10	HE2DP1AA		78	0.25ml/5ml		(tic)	ok
11	HE2DQ1AA		79	0.3ml/5ml			ok
12	HE2D11AA		80	〃			ok
13	HE6LVAA	HB	81	5ml		not needed	—
14	HE6LW1AA	〃	82	〃		〃	—
15	HE6PH1AA		83	1.25ml/5ml			ok
16	HE6PJ1AA		84	5ml			ok
17	HE6PK1AA		85				ok
18	HE6PM1AA		86				ok
19	HE6PP1AA		87				ok
20	HE6PQ1AA		88				ok
21	HE6PR1AA		89				ok
22	HE6PT1AA		90				ok
23	HE6PJ1AD	(S)	91		JDry		ok
24	HE6PJ1AE	(D)	92		〃		ok
25	HE6PW1AA		93	5ml			ok
26	HE6PD1AA		94				ok
27	HE6P21AA		95				ok
28	HE6P41AA		96				ok
29	HEXCA1AA		97	5ml			ok
30	HEXEJ1AL	ED	98	0.5ml/5ml			ok
						7/14/05	

0.30L H
US52

Analyst: JDry
Level 2 review: CMR
PDF Made: ✓

pH/Free Chlorine Worksheet

Lot: A5G060137

A5G060137

Sample	Work Order	SAC	Client Sample ID	pH	Free Chlorine
1	HEXEE-1AA	XX I 25 QK 01	MW-211	<2	N
2	HEXEG-1AL	XX I 25 QK 01	MW-F	<2	N
3	HEXEH-1AL	XX I 25 QK 01	MW-D	<2	N
4	HEXEJ-1AL	XX I 25 QK 01	MW-403	<2	N
5	HEXEL-1AL	XX I 25 QK 01	MW-405	<2	N
6	HEXEN-1AL	XX I 25 QK 01	MW-E2	<2	N
7	HEXEP-1AL	XX I 25 QK 01	MW-212	<2	N
8	HEXER-1AL	XX I 25 QK 01	MW-E1	<2	N
9	HEXET-1AL	XX I 25 QK 01	MW-406	<2	N
10	HEXEV-1AA	XX I 25 QK 01	TRIP	<2	N

Lot/SDG Number: **A5G060137**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5G060137	1	HEXEE1AA	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle
A5G060137	2	HEXEG1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle
A5G060137	3	HEXEH1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle
A5G060137	4	HEXEJ1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Laura Evans
A5G060137	5	HEXEL1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle
A5G060137	6	HEXEN1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle
A5G060137	7	HEXEP1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle
A5G060137	8	HEXER1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle
A5G060137	9	HEXET1AL	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle
A5G060137	10	HEXEV1AA	Volatile Organics, GC/MS (8260B)	07/13/05	Richard Quayle

METALS DATA

FORMS DATA

Matrix Environmental, Inc.

Client Sample ID: MW-211

TOTAL Metals

Lot-Sample #...: A5G060137-001 **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AT
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.46**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1AU**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AV
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.33**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1AW**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**129 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1AX**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1A0
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**11.5**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1A1**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXEE1A8
		Dilution Factor: 1		Analysis Time..: 12:41	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**26.1 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1A5**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**74.2**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1A2**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-211

TOTAL Metals

Lot-Sample #...: A5G060137-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.11 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1A3**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**67.3**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1A6**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0021 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1A4**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**0.0066 B,J**	**0.020**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1A7**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AK
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AL
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	**0.0022 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEE1AM**
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AR
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AN
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AJ
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-211

TOTAL Metals

Lot-Sample #...: A5G060137-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AP
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEE1AQ
		Dilution Factor: 1		Analysis Time..: 14:16	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-F

TOTAL Metals

Lot-Sample #...: A5G060137-002 **Matrix.....:** WG
Date Sampled...: 07/05/05 15:30 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1A4
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.12 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1A5**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1A6
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.36**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1A7**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**145 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1A8**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1AA
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**4.3**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1AC**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXEG1AK
		Dilution Factor: 1		Analysis Time..: 12:47	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**15.0 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1AG**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**98.6**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1AD**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-F

TOTAL Metals

Lot-Sample #...: A5G060137-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.045 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1AE**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**162**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1AH**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1AF
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**0.0078 B,J**	**0.020**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEG1AJ**
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1AV
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1AW
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1AX
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1A3
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1A0
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1AU
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-F

TOTAL Metals

Lot-Sample #...: A5G060137-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1A1
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEG1A2
		Dilution Factor: 1		Analysis Time..: 14:32	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-D

TOTAL Metals

Lot-Sample #...: A5G060137-003 **Matrix.....:** WG
Date Sampled...: 07/05/05 14:20 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1A4
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.10 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEH1A5**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1A6
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.086 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEH1A7**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**126 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEH1A8**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1AA
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**2.4**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEH1AC**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXEH1AK
		Dilution Factor: 1		Analysis Time..: 12:49	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**3.8 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEH1AG**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**47.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEH1AD**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-D

TOTAL Metals

Lot-Sample #...: A5G060137-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.14 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEH1AE**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**214**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEH1AH**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1AF
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1AJ
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1AV
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1AW
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1AX
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1A3
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1A0
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1AU
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-D

TOTAL Metals

Lot-Sample #...: A5G060137-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1A1
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEH1A2
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-403

TOTAL Metals

Lot-Sample #...: A5G060137-004 **Matrix.....:** WG
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	**0.050 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1A4**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.0044 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1A5**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEJ1A6
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.83**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1A7**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**6.8 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1A8**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	**0.065**	**0.025**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1AA**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.73**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1AC**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXEJ1AK
		Dilution Factor: 1		Analysis Time..: 12:50	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**2.6 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1AG**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**6.4**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1AD**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-403

TOTAL Metals

Lot-Sample #...: A5G060137-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.011 B,J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1AE**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**112**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1AH**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0044 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1AF**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**9.6 J**	**0.020**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1AJ**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEJ1AV
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXEJ1AW
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEJ1AX
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	**0.0080**	**0.0050**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1A3**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	**0.0027 B**	**0.0030**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEJ1A0**
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEJ1AU
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-403

TOTAL Metals

Lot-Sample #...: A5G060137-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEJ1A1
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEJ1A2
		Dilution Factor: 1		Analysis Time..: 14:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-405

TOTAL Metals

Lot-Sample #...: A5G060137-005 **Matrix.....:** WG
Date Sampled...: 07/05/05 15:04 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1A4
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.28**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1A5**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1A6
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.20**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1A7**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**107 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1A8**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1AA
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	ND	0.10	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1AC
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXEL1AK
		Dilution Factor: 1		Analysis Time..: 12:52	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**12.4 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1AG**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**77.1**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1AD**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-405

TOTAL Metals

Lot-Sample #...: A5G060137-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.084 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1AE**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**77.2**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1AH**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.21**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1AF**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**0.31 J**	**0.020**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1AJ**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1AV
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1AW
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	**0.0026 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEL1AX**
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1A3
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1A0
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1AU
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-405

TOTAL Metals

Lot-Sample #...: A5G060137-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1A1
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEL1A2
		Dilution Factor: 1		Analysis Time..: 14:46	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-E2

TOTAL Metals

Lot-Sample #...: A5G060137-006 **Matrix.....:** WG
Date Sampled...: 07/05/05 14:07 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1A4
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.60**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1A5**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00039 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1A6**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.51**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1A7**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**185 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1A8**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1AA
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**4.0**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1AC**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXEN1AK
		Dilution Factor: 1		Analysis Time..: 12:53	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**21.8 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1AG**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**95.1**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1AD**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-E2

TOTAL Metals

Lot-Sample #...: A5G060137-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.083 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1AE**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**158**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1AH**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0037 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1AF**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1AJ
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1AV
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1AW
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1AX
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1A3
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1A0
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1AU
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-E2

TOTAL Metals

Lot-Sample #...: A5G060137-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.0025 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEN1A1**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEN1A2
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-212

TOTAL Metals

Lot-Sample #...: A5G060137-007 **Matrix.....:** WG
Date Sampled...: 07/05/05 18:22 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1A4
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.16 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEP1A5**
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1A6
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.12 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEP1A7**
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**132 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEP1A8**
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1AA
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**18.9**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEP1AC**
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXEP1AK
		Dilution Factor: 1		Analysis Time..: 12:55	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**4.4 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEP1AG**
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**46.9**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEP1AD**
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-212

TOTAL Metals

Lot-Sample #...: A5G060137-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.31 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEP1AE**
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**33.3**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXEP1AH**
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1AF
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1AJ
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1AV
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1AW
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1AX
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1A3
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1A0
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1AU
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-212

TOTAL Metals

Lot-Sample #...: A5G060137-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1A1
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXEP1A2
		Dilution Factor: 1		Analysis Time..: 17:49	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-E1

TOTAL Metals

Lot-Sample #...: A5G060137-008 **Matrix.....:** WG
Date Sampled...: 07/05/05 12:04 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	**0.062 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1A4**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.31**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1A5**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXER1A6
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.13 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1A7**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**100 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1A8**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEXER1AA
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.75**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1AC**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXER1AK
		Dilution Factor: 1		Analysis Time..: 12:56	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**7.8 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1AG**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**51.2**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1AD**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-E1

TOTAL Metals

Lot-Sample #...: A5G060137-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.038 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1AE**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**339**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1AH**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.019 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1AF**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**0.10 J**	**0.020**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1AJ**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	**0.0048 B**	**0.010**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXER1AV**
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXER1AW
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXER1AX
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXER1A3
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEXER1A0
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXER1AU
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-E1

TOTAL Metals

Lot-Sample #...: A5G060137-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXER1A1
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXER1A2
		Dilution Factor: 1		Analysis Time..: 17:54	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-406

TOTAL Metals

Lot-Sample #...: A5G060137-009 **Matrix.....:** WG
Date Sampled...: 07/05/05 14:20 **Date Received..:** 07/06/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEXET1A4
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**1.3**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1A5**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXET1A6
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.63**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1A7**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**138 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1A8**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEXET1AA
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.94**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1AC**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEXET1AK
		Dilution Factor: 1		Analysis Time..: 12:57	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**31.0 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1AG**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**76.6**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1AD**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-406

TOTAL Metals

Lot-Sample #...: A5G060137-009 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.041 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1AE**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**167**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1AH**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0031 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEXET1AF**
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEXET1AJ
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXET1AV
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEXET1AW
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXET1AX
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXET1A3
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEXET1A0
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEXET1AU
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-406

TOTAL Metals

Lot-Sample #...: A5G060137-009 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEXET1A1
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEXET1A2
		Dilution Factor: 1		Analysis Time..: 17:59	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck5ICV 07/08/05 10:56 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	2.5	2.36	**94.2**								

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 07/12/05 12:00 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	12500.0	12616.21	**100.9**								
Antimony	206.838	250.0	250.23	**100.1**								
Arsenic	189.042	250.0	243.86	**97.5**								
Barium	493.409	1000.0	962.96	**96.3**								
Beryllium	313.042	1000.0	1021.58	**102.2**								
Boron	249.678	1000.0	958.13	**95.8**								
Cadmium	226.502	250.0	252.81	**101.1**								
Calcium	317.933	25000.0	25019.45	**100.1**								
Chromium	267.716	1000.0	1008.49	**100.8**								
Cobalt	228.616	1000.0	1001.66	**100.2**								
Copper	324.753	1000.0	1016.22	**101.6**								
Iron	271.441	12500.0	12725.65	**101.8**								
Lead	220.353	250.0	255.52	**102.2**								
Magnesium	279.078	25000.0	24015.03	**96.1**								
Manganese	257.61	1000.0	990.58	**99.1**								
Nickel	231.604	1000.0	1010.73	**101.1**								
Potassium	766.491	25000.0	24942.84	**99.8**								
Selenium	196.026	250.0	249.34	**99.7**								
Sodium	330.232	25000.0	23824.54	**95.3**								
Vanadium	292.402	1000.0	982.17	**98.2**								
Zinc	213.856	1000.0	998.49	**99.8**								

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck2CCV 07/08/05 11:00 AM Found	% Rec	Ck2CCV 07/08/05 11:16 AM Found	% Rec	Ck2CCV 07/08/05 11:21 AM Found	% Rec	Ck2CCV 07/08/05 11:23 AM Found	% Rec	Ck2CCV 07/08/05 11:39 AM Found	% Rec
Mercury	253.7	5.0	5.11	**102.2**	5.22	**104.5**	5.29	**105.9**	5.18	**103.7**	5.33	**106.6**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA

Units: ug/L

Chart Number: hg10708c.prn

Acceptable Range: 80% - 120%

Standard Source: Ultra

Standard ID:

Element	WL/ Mass	True Conc	Ck2CCV 07/08/05 11:54 AM Found	% Rec	Ck2CCV 07/08/05 12:11 PM Found	% Rec	Ck2CCV 07/08/05 12:27 PM Found	% Rec	Ck2CCV 07/08/05 12:43 PM Found	% Rec	Ck2CCV 07/08/05 12:59 PM Found	% Rec
Mercury	253.7	5.0	5.35	**106.9**	5.35	**107.1**	5.37	**107.3**	5.36	**107.2**	5.37	**107.4**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 07/12/05 12:30 PM Found	% Rec	CCV 07/12/05 1:48 PM Found	% Rec	CCV 07/12/05 2:53 PM Found	% Rec	CCV 07/12/05 4:46 PM Found	% Rec	CCV 07/12/05 5:32 PM Found	% Rec
Aluminum	308.215	25000.0	24674.61	**98.7**	24658.68	**98.6**	24656.02	**98.6**	13629.10	**54.5**	24826.45	**99.3**
Antimony	206.838	500.0	493.40	**98.7**	495.29	**99.1**	492.69	**98.5**	273.85	**54.8**	491.74	**98.3**
Arsenic	189.042	500.0	494.19	**98.8**	493.40	**98.7**	493.16	**98.6**	273.90	**54.8**	491.31	**98.3**
Barium	493.409	2000.0	1997.19	**99.9**	2000.27	**100.0**	2001.94	**100.1**	1107.26	**55.4**	2006.50	**100.3**
Beryllium	313.042	2000.0	2029.91	**101.5**	2034.64	**101.7**	2029.44	**101.5**	1134.10	**56.7**	2034.17	**101.7**
Boron	249.678	5000.0	4990.83	**99.8**	5018.70	**100.4**	4936.35	**98.7**	2758.10	**55.2**	4830.07	**96.6**
Cadmium	226.502	500.0	503.86	**100.8**	501.97	**100.4**	501.01	**100.2**	281.28	**56.3**	503.28	**100.7**
Calcium	317.933	50000.0	49559.39	**99.1**	49455.35	**98.9**	49226.01	**98.5**	27448.48	**54.9**	49306.09	**98.6**
Chromium	267.716	2000.0	1995.91	**99.8**	1998.64	**99.9**	1987.84	**99.4**	1105.47	**55.3**	1993.44	**99.7**
Cobalt	228.616	2000.0	2015.11	**100.8**	2011.60	**100.6**	2000.62	**100.0**	1111.65	**55.6**	2001.34	**100.1**
Copper	324.753	2000.0	1992.72	**99.6**	1997.52	**99.9**	1996.04	**99.8**	1104.50	**55.2**	2003.97	**100.2**
Iron	271.441	25000.0	25105.22	**100.4**	25067.01	**100.3**	24706.85	**98.8**	13604.83	**54.4**	24389.15	**97.6**
Lead	220.353	500.0	501.06	**100.2**	500.94	**100.2**	498.22	**99.6**	278.61	**55.7**	498.86	**99.8**
Magnesium	279.078	50000.0	48806.27	**97.6**	48578.10	**97.2**	48333.48	**96.7**	26875.48	**53.8**	48359.97	**96.7**
Manganese	257.61	2000.0	2007.00	**100.4**	1988.57	**99.4**	1988.43	**99.4**	1090.53	**54.5**	1988.03	**99.4**
Nickel	231.604	2000.0	1997.40	**99.9**	1957.38	**97.9**	1963.52	**98.2**	1099.37	**55.0**	1978.44	**98.9**
Potassium	766.491	50000.0	49723.75	**99.4**	49733.77	**99.5**	49722.98	**99.4**	27863.12	**55.7**	49938.20	**99.9**
Selenium	196.026	500.0	504.54	**100.9**	505.44	**101.1**	502.86	**100.6**	277.31	**55.5**	501.65	**100.3**
Sodium	330.232	50000.0	46435.68	**92.9**	46542.94	**93.1**	46307.65	**92.6**	26374.40	**52.7**	46355.52	**92.7**
Vanadium	292.402	2000.0	1983.20	**99.2**	1986.07	**99.3**	1969.94	**98.5**	1091.15	**54.6**	1960.14	**98.0**
Zinc	213.856	2000.0	2021.98	**101.1**	2013.81	**100.7**	2014.86	**100.7**	1126.66	**56.3**	2022.72	**101.1**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 07/12/05 6:38 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	25000.0	24616.93	**98.5**								
Antimony	206.838	500.0	491.15	**98.2**								
Arsenic	189.042	500.0	489.50	**97.9**								
Barium	493.409	2000.0	1988.62	**99.4**								
Beryllium	313.042	2000.0	2022.37	**101.1**								
Boron	249.678	5000.0	4702.34	**94.0**								
Cadmium	226.502	500.0	502.43	**100.5**								
Calcium	317.933	50000.0	48947.32	**97.9**								
Chromium	267.716	2000.0	1976.58	**98.8**								
Cobalt	228.616	2000.0	1988.21	**99.4**								
Copper	324.753	2000.0	1988.23	**99.4**								
Iron	271.441	25000.0	23935.76	**95.7**								
Lead	220.353	500.0	496.89	**99.4**								
Magnesium	279.078	50000.0	47873.02	**95.7**								
Manganese	257.61	2000.0	1958.38	**97.9**								
Nickel	231.604	2000.0	2000.22	**100.0**								
Potassium	766.491	50000.0	49633.93	**99.3**								
Selenium	196.026	500.0	499.07	**99.8**								
Sodium	330.232	50000.0	45790.60	**91.6**								
Vanadium	292.402	2000.0	1931.21	**96.6**								
Zinc	213.856	2000.0	2018.30	**100.9**								

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck3CRA\MRL 07/08/05 10:59 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	0.2	0.16	**82.3**								

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRI\MRL 07/12/05 12:12 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	200.0	204.14	**102.1**								
Antimony	206.838	10.0	8.97	**89.7**								
Arsenic	189.042	15.0	14.62	**97.5**								
Barium	493.409	10.0	9.96	**99.6**								
Beryllium	313.042	5.0	5.24	**104.8**								
Boron	249.678	200.0	191.12	**95.6**								
Cadmium	226.502	5.0	5.04	**100.8**								
Calcium	317.933	5000.0	5033.65	**100.7**								
Chromium	267.716	5.0	4.71	**94.3**								
Cobalt	228.616	5.0	5.07	**101.4**								
Copper	324.753	15.0	15.39	**102.6**								
Iron	271.441	300.0	297.63	**99.2**								
Lead	220.353	10.0	10.13	**101.3**								
Magnesium	279.078	5000.0	4737.18	**94.7**								
Manganese	257.61	15.0	15.30	**102.0**								
Nickel	231.604	25.0	25.29	**101.2**								
Potassium	766.491	5000.0	4864.43	**97.3**								
Selenium	196.026	20.0	21.82	**109.1**								
Sodium	330.232	5000.0	4837.41	**96.7**								
Vanadium	292.402	7.0	7.04	**100.6**								
Zinc	213.856	40.0	40.75	**101.9**								

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck4ICB 07/08/05 10:57 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U								

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 07/12/05 12:07 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	13.4	U								
Antimony	206.838	10	3.2	U								
Arsenic	189.042	10	2.4	U								
Barium	493.409	200	**0.4**	**B**								
Beryllium	313.042	5	**0.5**	**B**								
Boron	249.678	200	**4.0**	**B**								
Cadmium	226.502	2	0.1	U								
Calcium	317.933	5000	42.7	U								
Chromium	267.716	5	0.7	U								
Cobalt	228.616	7	0.4	U								
Copper	324.753	25	0.5	U								
Iron	271.441	100	4.0	U								
Lead	220.353	3	1.3	U								
Magnesium	279.078	5000	**16.5**	**B**								
Manganese	257.61	15	**0.5**	**B**								
Nickel	231.604	40	1.1	U								
Potassium	766.491	5000	**167.0**	**B**								
Selenium	196.026	5	3.2	U								
Sodium	330.232	5000	525.0	U								
Vanadium	292.402	7	**0.4**	**B**								
Zinc	213.856	20	1.7	U								

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 07/08/05 11:01 AM Found	Q	Ck1CCB 07/08/05 11:17 AM Found	Q	Ck1CCB 07/08/05 11:22 AM Found	Q	Ck1CCB 07/08/05 11:24 AM Found	Q	Ck1CCB 07/08/05 11:40 AM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 07/08/05 11:56 AM Found	Q	Ck1CCB 07/08/05 12:12 PM Found	Q	Ck1CCB 07/08/05 12:28 PM Found	Q	Ck1CCB 07/08/05 12:44 PM Found	Q	Ck1CCB 07/08/05 1:01 PM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 07/12/05 12:37 PM Found	Q	CCB 07/12/05 1:56 PM Found	Q	CCB 07/12/05 3:01 PM Found	Q	CCB 07/12/05 4:53 PM Found	Q	CCB 07/12/05 5:39 PM Found	Q
Aluminum	308.215	200	**56.2**	**B**	**25.3**	**B**	**26.6**	**B**	**-64.0**	**B**	**19.9**	**B**
Antimony	206.838	10	3.2	U	3.2	U	3.2	U	**-3.8**	**B**	3.2	U
Arsenic	189.042	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	200	**0.7**	**B**	**0.5**	**B**	**0.5**	**B**	0.1	U	**0.5**	**B**
Beryllium	313.042	5	**0.6**	**B**	**0.5**	**B**	**0.5**	**B**	0.1	U	**0.6**	**B**
Boron	249.678	200	**11.6**	**B**	**13.2**	**B**	**9.9**	**B**	2.6	U	**10.7**	**B**
Cadmium	226.502	2	**0.1**	**B**	0.1	U	0.1	U	**0.3**	**B**	0.1	U
Calcium	317.933	5000	**97.3**	**B**	**71.9**	**B**	**71.2**	**B**	42.7	U	**52.6**	**B**
Chromium	267.716	5	0.7	U	0.7	U	0.7	U	**2.8**	**B**	0.7	U
Cobalt	228.616	7	**0.7**	**B**	0.4	U	**0.6**	**B**	**0.8**	**B**	0.4	U
Copper	324.753	25	**1.2**	**B**	**0.7**	**B**	**0.7**	**B**	**-5.2**	**B**	0.5	U
Iron	271.441	100	**17.4**	**B**	**-4.0**	**B**	**7.6**	**B**	**-8.5**	**B**	4.0	U
Lead	220.353	3	1.3	U	**1.4**	**B**	1.3	U	1.3	U	1.3	U
Magnesium	279.078	5000	**40.3**	**B**	**14.5**	**B**	**16.5**	**B**	5.7	U	**8.8**	**B**
Manganese	257.61	15	**0.6**	**B**	**0.5**	**B**	**0.5**	**B**	0.1	U	**0.5**	**B**
Nickel	231.604	40	**1.4**	**B**	**1.4**	**B**	1.1	U	1.1	U	1.1	U
Potassium	766.491	5000	**167.0**	**B**	**164.0**	**B**	**169.0**	**B**	**240.0**	**B**	**165.0**	**B**
Selenium	196.026	5	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Sodium	330.232	5000	525.0	U	525.0	U	525.0	U	**1170.0**	**B**	525.0	U
Vanadium	292.402	7	**0.5**	**B**	0.3	U	**0.9**	**B**	**-0.6**	**B**	**0.7**	**B**
Zinc	213.856	20	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	CCB 07/12/05 6:45 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	**19.8**	**B**								
Antimony	206.838	10	3.2	U								
Arsenic	189.042	10	2.4	U								
Barium	493.409	200	**0.6**	**B**								
Beryllium	313.042	5	**0.7**	**B**								
Boron	249.678	200	**8.7**	**B**								
Cadmium	226.502	2	0.1	U								
Calcium	317.933	5000	**56.7**	**B**								
Chromium	267.716	5	0.7	U								
Cobalt	228.616	7	**0.5**	**B**								
Copper	324.753	25	0.5	U								
Iron	271.441	100	**5.8**	**B**								
Lead	220.353	3	1.3	U								
Magnesium	279.078	5000	**12.4**	**B**								
Manganese	257.61	15	**0.5**	**B**								
Nickel	231.604	40	1.1	U								
Potassium	766.491	5000	**167.0**	**B**								
Selenium	196.026	5	3.2	U								
Sodium	330.232	5000	525.0	U								
Vanadium	292.402	7	**0.5**	**B**								
Zinc	213.856	20	1.7	U								

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A5G070000-014 **Prep Batch #...:** 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AK
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Barium	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AL
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AM
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Boron	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AN
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Calcium	**0.20 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HE01D1AP**
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AQ
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Iron	ND	0.10	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AR
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Magnesium	ND	5.0	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AT
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Manganese	**0.00045 B**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HE01D1AU**
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HE01D1A1
		Dilution Factor: 1				
		Analysis Time..: 12:24	Analyst ID.....: 001086		Instrument ID..: H1	
Nickel	ND	0.040	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AV
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**0.17 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HE01D1AW**
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Sodium	ND	5.0	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AX
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Zinc	**0.0096 B**	**0.020**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HE01D1A0**
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AA
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AC
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AD
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AE
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AF
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AG
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AH
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	Reporting Limit	True Conc	ICSA 07/12/05 12:19 PM Found	Found	Found	Found	Found
Aluminum	308.215		500000	489000				
Antimony	206.838	10		0				
Arsenic	189.042	10		0				
Barium	493.409	200		2				
Beryllium	313.042	5		0				
Boron	249.678	200		-1				
Cadmium	226.502	2		0				
Calcium	317.933		500000	479000				
Chromium	267.716	5		5				
Cobalt	228.616	7		4				
Copper	324.753	25		6				
Iron	271.441		200000	191000				
Lead	220.353	3		4				
Magnesium	279.078		500000	501000				
Manganese	257.61	15		13				
Nickel	231.604	40		5				
Potassium	766.491	5000		157				
Selenium	196.026	5		-3				
Sodium	330.232	5000		-200				
Vanadium	292.402	7		0				
Zinc	213.856	20		31				

U Result is less than the IDL

B Result is between IDL and RL

Form 4 Equivalent

Metals Data Reporting Form

Interference Check Standard AB

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICSAB 07/12/05 12:24 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	500000	477570.2	**95.5**								
Antimony	206.838	1000	961.3	**96.1**								
Arsenic	189.042	1000	980.3	**98.0**								
Barium	493.409	500	499.8	**100.0**								
Beryllium	313.042	500	491.1	**98.2**								
Boron	249.678	1000	1003.7	**100.4**								
Cadmium	226.502	1000	933.4	**93.3**								
Calcium	317.933	500000	467754.6	**93.6**								
Chromium	267.716	500	479.3	**95.9**								
Cobalt	228.616	500	471.4	**94.3**								
Copper	324.753	500	502.4	**100.5**								
Iron	271.441	200000	186593.4	**93.3**								
Lead	220.353	1000	943.5	**94.3**								
Magnesium	279.078	500000	488897.7	**97.8**								
Manganese	257.61	500	477.7	**95.5**								
Nickel	231.604	1000	930.0	**93.0**								
Potassium	766.491	10000	10439.3	**104.4**								
Selenium	196.026	1000	937.0	**93.7**								
Sodium	330.232	10000	9810.7	**98.1**								
Vanadium	292.402	500	473.9	**94.8**								
Zinc	213.856	1000	1020.6	**102.1**								

N Spike recovery failed
NC Percent recovery was not calculated
U Result is less than the IDL

Form 4 Equivalent

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5G060137-001 **Prep Batch #...:** 5188014							
Aluminum	109	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CT
	105	(75 - 125)	4.3	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CU
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Barium	102	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CV
	98	(75 - 125)	3.3	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CW
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Beryllium	106	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CX
	102	(75 - 125)	4.0	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C0
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Boron	100	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C1
	97	(75 - 125)	2.1	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C2
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Calcium	92	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C3
	85	(75 - 125)	2.1	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C4
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Copper	108	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C5
	104	(75 - 125)	4.2	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C6
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Iron	NC,MSB	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C7
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C8
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Magnesium	97	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C9
	91	(75 - 125)	2.5	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DA
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	102	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DC
	97	(75 - 125)	3.8	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DD
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Mercury	112	(68 - 149)			SW846 7470A	07/07-07/08/05	HEXEE1DN
	107	(68 - 149)	4.7	(0-20)	SW846 7470A	07/07-07/08/05	HEXEE1DP
		Dilution Factor: 1					
		Analysis Time..: 12:45			Instrument ID..: H1	Analyst ID.....: 001086	
Nickel	100	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DE
	96	(75 - 125)	4.6	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DF
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Potassium	115	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DG
	112	(75 - 125)	1.4	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DH
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Sodium	98	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DJ
	95	(75 - 125)	1.6	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DK
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Zinc	105	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DL
	101	(75 - 125)	4.1	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DM
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Antimony	104	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1A9
	101	(75 - 125)	2.8	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CA
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Arsenic	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CC
	100	(75 - 125)	3.2	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CD
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Cadmium	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CE
	99	(75 - 125)	4.4	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CF
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	104	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CQ
	100	(75 - 125)	4.3	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CR
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Cobalt	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CG
	98	(75 - 125)	4.3	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CH
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Lead	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CJ
	99	(75 - 125)	4.4	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CK
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Selenium	105	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CL
	102	(75 - 125)	3.2	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CM
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Vanadium	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CN
	99	(75 - 125)	3.8	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CP
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5G060137-001 **Prep Batch #...:** 5188014									
Aluminum									
	ND	2.0	2.2	mg/L	109		SW846 6010B	07/07-07/12/05	HEXEE1CT
	ND	2.0	2.1	mg/L	105	4.3	SW846 6010B	07/07-07/12/05	HEXEE1CU
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Barium									
	0.46	2.0	2.5	mg/L	102		SW846 6010B	07/07-07/12/05	HEXEE1CV
	0.46	2.0	2.4	mg/L	98	3.3	SW846 6010B	07/07-07/12/05	HEXEE1CW
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Beryllium									
	ND	0.050	0.053	mg/L	106		SW846 6010B	07/07-07/12/05	HEXEE1CX
	ND	0.050	0.051	mg/L	102	4.0	SW846 6010B	07/07-07/12/05	HEXEE1C0
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Boron									
	0.33	1.0	1.3	mg/L	100		SW846 6010B	07/07-07/12/05	HEXEE1C1
	0.33	1.0	1.3	mg/L	97	2.1	SW846 6010B	07/07-07/12/05	HEXEE1C2
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Calcium									
	129	50.0	175	mg/L	92		SW846 6010B	07/07-07/12/05	HEXEE1C3
	129	50.0	171	mg/L	85	2.1	SW846 6010B	07/07-07/12/05	HEXEE1C4
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Copper									
	ND	0.25	0.27	mg/L	108		SW846 6010B	07/07-07/12/05	HEXEE1C5
	ND	0.25	0.26	mg/L	104	4.2	SW846 6010B	07/07-07/12/05	HEXEE1C6
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Iron									
	11.5	1.0	12.3	mg/L			SW846 6010B	07/07-07/12/05	HEXEE1C7
			Qualifiers: NC,MSB						
	11.5	1.0	12.0	mg/L			SW846 6010B	07/07-07/12/05	HEXEE1C8
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	74.2	50.0	123	mg/L	97		SW846 6010B	07/07-07/12/05	HEXEE1C9
	74.2	50.0	120	mg/L	91	2.5	SW846 6010B	07/07-07/12/05	HEXEE1DA
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Manganese									
	0.11	0.50	0.62	mg/L	102		SW846 6010B	07/07-07/12/05	HEXEE1DC
	0.11	0.50	0.60	mg/L	97	3.8	SW846 6010B	07/07-07/12/05	HEXEE1DD
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Mercury									
	ND	0.0010	0.0011	mg/L	112		SW846 7470A	07/07-07/08/05	HEXEE1DN
	ND	0.0010	0.0011	mg/L	107	4.7	SW846 7470A	07/07-07/08/05	HEXEE1DP
			Dilution Factor: 1						
			Analysis Time..: 12:45		Instrument ID..: H1			Analyst ID.....: 001086	
Nickel									
	0.0021	0.50	0.50	mg/L	100		SW846 6010B	07/07-07/12/05	HEXEE1DE
	0.0021	0.50	0.48	mg/L	96	4.6	SW846 6010B	07/07-07/12/05	HEXEE1DF
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Potassium									
	26.1	50.0	83.4	mg/L	115		SW846 6010B	07/07-07/12/05	HEXEE1DG
	26.1	50.0	82.2	mg/L	112	1.4	SW846 6010B	07/07-07/12/05	HEXEE1DH
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Sodium									
	67.3	50.0	116	mg/L	98		SW846 6010B	07/07-07/12/05	HEXEE1DJ
	67.3	50.0	115	mg/L	95	1.6	SW846 6010B	07/07-07/12/05	HEXEE1DK
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Zinc									
	0.0066	0.50	0.53	mg/L	105		SW846 6010B	07/07-07/12/05	HEXEE1DL
	0.0066	0.50	0.51	mg/L	101	4.1	SW846 6010B	07/07-07/12/05	HEXEE1DM
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	0.50	0.52	mg/L	104		SW846 6010B	07/07-07/12/05	HEXEE1A9
	ND	0.50	0.51	mg/L	101	2.8	SW846 6010B	07/07-07/12/05	HEXEE1CA
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Arsenic									
	ND	2.0	2.1	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CC
	ND	2.0	2.0	mg/L	100	3.2	SW846 6010B	07/07-07/12/05	HEXEE1CD
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Cadmium									
	ND	0.050	0.052	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CE
	ND	0.050	0.049	mg/L	99	4.4	SW846 6010B	07/07-07/12/05	HEXEE1CF
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Chromium									
	ND	0.20	0.21	mg/L	104		SW846 6010B	07/07-07/12/05	HEXEE1CQ
	ND	0.20	0.20	mg/L	100	4.3	SW846 6010B	07/07-07/12/05	HEXEE1CR
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Cobalt									
	0.0022	0.50	0.52	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CG
	0.0022	0.50	0.49	mg/L	98	4.3	SW846 6010B	07/07-07/12/05	HEXEE1CH
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Lead									
	ND	0.50	0.52	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CJ
	ND	0.50	0.49	mg/L	99	4.4	SW846 6010B	07/07-07/12/05	HEXEE1CK
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Selenium									
	ND	2.0	2.1	mg/L	105		SW846 6010B	07/07-07/12/05	HEXEE1CL
	ND	2.0	2.0	mg/L	102	3.2	SW846 6010B	07/07-07/12/05	HEXEE1CM
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium									
	ND	0.50	0.52	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CN
	ND	0.50	0.50	mg/L	99	3.8	SW846 6010B	07/07-07/12/05	HEXEE1CP

Dilution Factor: 1
Analysis Time..: 14:20 Instrument ID..: I5 Analyst ID.....: 001619

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5G070000-014 **Prep Batch #...:** 5188014					
Aluminum	93	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CA
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Barium	89	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CC
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Beryllium	93	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CD
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Boron	88	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CE
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Calcium	89	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CF
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Copper	94	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CG
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Iron	102	(77 - 127)	SW846 6010B	07/07-07/12/05	HE01D1CH
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Magnesium	85	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CJ
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Manganese	90	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CK
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Nickel	90	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CL
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	99	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CM
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Sodium	86	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CN
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Zinc	96	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CP
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Mercury	104	(82 - 131)	SW846 7470A	07/07-07/08/05	HE01D1CQ
	Dilution Factor: 1	Analysis Time..: 12:25	Analyst ID.....: 001086	Instrument ID..: H1	
Antimony	86	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A2
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Arsenic	90	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A3
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Cadmium	92	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A4
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Cobalt	91	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A5
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Lead	91	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A6
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Selenium	93	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A7
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	
Vanadium	90	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A8
	Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	Instrument ID..: I5	

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	92	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A9

Dilution Factor: 1 Analysis Time..: 13:01 Analyst ID.....: 001619
Instrument ID..: I5

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5G070000-014 **Prep Batch #...:** 5188014							
Aluminum	2.0	1.9	mg/L	93	SW846 6010B	07/07-07/12/05	HE01D1CA
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Barium	2.0	1.8	mg/L	89	SW846 6010B	07/07-07/12/05	HE01D1CC
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Beryllium	0.050	0.047	mg/L	93	SW846 6010B	07/07-07/12/05	HE01D1CD
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Boron	1.0	0.88	mg/L	88	SW846 6010B	07/07-07/12/05	HE01D1CE
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Calcium	50.0	44.5	mg/L	89	SW846 6010B	07/07-07/12/05	HE01D1CF
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Copper	0.25	0.23	mg/L	94	SW846 6010B	07/07-07/12/05	HE01D1CG
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Iron	1.0	1.0	mg/L	102	SW846 6010B	07/07-07/12/05	HE01D1CH
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Magnesium	50.0	42.7	mg/L	85	SW846 6010B	07/07-07/12/05	HE01D1CJ
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Manganese	0.50	0.45	mg/L	90	SW846 6010B	07/07-07/12/05	HE01D1CK
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Nickel	0.50	0.45	mg/L	90	SW846 6010B	07/07-07/12/05	HE01D1CL
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	50.0	49.5	mg/L	99	SW846 6010B	07/07-07/12/05	HE01D1CM
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Sodium	50.0	43.1	mg/L	86	SW846 6010B	07/07-07/12/05	HE01D1CN
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Zinc	0.50	0.48	mg/L	96	SW846 6010B	07/07-07/12/05	HE01D1CP
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Mercury	0.0050	0.0052	mg/L	104	SW846 7470A	07/07-07/08/05	HE01D1CQ
			Dilution Factor: 1		Analysis Time..: 12:25	Analyst ID.....: 001086	
			Instrument ID..: H1				
Antimony	0.50	0.43	mg/L	86	SW846 6010B	07/07-07/12/05	HE01D1A2
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Arsenic	2.0	1.8	mg/L	90	SW846 6010B	07/07-07/12/05	HE01D1A3
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Cadmium	0.050	0.046	mg/L	92	SW846 6010B	07/07-07/12/05	HE01D1A4
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Cobalt	0.50	0.46	mg/L	91	SW846 6010B	07/07-07/12/05	HE01D1A5
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Lead	0.50	0.46	mg/L	91	SW846 6010B	07/07-07/12/05	HE01D1A6
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Selenium	2.0	1.9	mg/L	93	SW846 6010B	07/07-07/12/05	HE01D1A7
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Vanadium	0.50	0.45	mg/L	90	SW846 6010B	07/07-07/12/05	HE01D1A8
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	0.20	0.18	mg/L	92	SW846 6010B	07/07-07/12/05	HE01D1A9

Dilution Factor: 1 Analysis Time..: 13:01 Analyst ID.....: 001619
Instrument ID..: I5

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL North Canton

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: HEXETL

Original Sample ID: HEXET **Client ID:** MW-406

Matrix: Water **Units:** ug/L **Prep Date:** 07/07/05 **Prep Batch:** 5188014

Weight: NA **Volume:** NA **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Aluminum	308.215	17.7	B	67.0	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Antimony	206.838	3.2	U	16.0	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Arsenic	189.042	2.4	U	12.0	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Barium	493.409	1300		1290		0.2	1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Beryllium	313.042	0.20	B	0.91	B		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Boron	249.678	633		629	B	0.6	1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Cadmium	226.502	0.12	U	0.60	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Calcium	317.933	138000		140000		1.3	1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Chromium	267.716	0.72	U	3.6	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Cobalt	228.616	0.49	B	2.0	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Copper	324.753	0.54	U	2.7	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Iron	271.441	937		914		2.4	1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Lead	220.353	1.3	U	6.5	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Magnesium	279.078	76600		75200		1.9	1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Manganese	257.61	41.3		41.3	B	0.1	1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Nickel	231.604	3.1	B	5.5	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Potassium	766.491	31000		28500		7.9	1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Selenium	196.026	3.2	U	16.0	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Sodium	330.232	167000		165000		0.9	1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Vanadium	292.402	0.26	U	1.3	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04
Zinc	213.856	5.8	B	8.5	U		1	5	ICPST	07/12/05	17:59	07/12/05	18:04

Comments:

5.21.0

E Serial dilution percent difference not within limits
U Result is less than the IDL
B Result is between IDL and RL

Form 9 Equivalent

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Mercury	253.700	0.2	0.10	04/14/05

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Aluminum	308.215	200.0	13.4	06/30/05
Antimony	206.838	10.0	3.2	06/30/05
Arsenic	189.042	10.0	2.4	06/30/05
Barium	493.409	200.0	0.10	06/30/05
Beryllium	313.042	5.0	0.10	06/30/05
Boron	249.678	200.0	2.6	06/30/05
Cadmium	226.502	2.0	0.12	06/30/05
Calcium	317.933	5000.0	42.7	06/30/05
Chromium	267.716	5.0	0.72	06/30/05
Cobalt	228.616	7.0	0.40	06/30/05
Copper	324.753	25.0	0.54	06/30/05
Iron	271.441	100.0	4.0	06/30/05
Lead	220.353	3.0	1.3	06/30/05
Magnesium	279.078	5000.0	5.7	06/30/05
Manganese	257.610	15.0	0.10	06/30/05
Nickel	231.604	40.0	1.1	06/30/05
Potassium	766.491	5000.0	20.8	06/30/05
Selenium	196.026	5.0	3.2	06/30/05
Sodium	330.232	5000.0	525	06/30/05
Vanadium	292.402	7.0	0.26	06/30/05
Zinc	213.856	20.0	1.7	06/30/05

STL North Canton

Metals Data Reporting Form

Inter-Element Correction Factors

Instrument: ICPST **Date of IEC's:** 07/01/05

Interfering Element	Wavelength /Mass	Correction Factor(s)
Aluminum	308.215	Cd(0.000004), Pb(-0.00002233), Sb(-0.00000667), Se(-0.00000667), Tl(-0.00002), Zn(0.000011)
Chromium	267.716	As(-0.00344), Fe(0.001539), Sb(0.01185333), Tl(0.000317)
Copper	324.753	Pb(0.00008667), Zn(0.000506)
Iron	271.441	As(0.000006), Cd(0.000078), Mn(0.000006), Mo(-0.00001), Pb(0.000044), Sb(0.000016), Se(-0.00018667), Tl(-0.00006), V(0.000027), Zn(0.000106)
Manganese	257.61	Ag(0.000126), Al(0.001466), Mg(-0.00193), Pb(0.00005733), Se(0.00056933), Tl(-0.00072)
Molybdenum	202.03	Al(0.011165), As(-0.00131), Cu(0.00048), Fe(0.002719), Pb(-0.00079), Sb(-0.00739233), V(-0.00027)
Nickel	231.604	Cd(0.000027), Co(0.00022), Pb(0.00018667), Sb(-0.00244667), Zn(0.006376)
Titanium	334.941	Be(-0.00155)
Vanadium	292.402	Al(0.024859), Be(0.000307), Cr(0.000165), Cu(-0.00024), Fe(0.011236), Pb(-0.00014), Sb(-0.00009333), Tl(0.002281)

STL North Canton

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICPST **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Aluminum	308.22	500000	07/01/05
Antimony	206.84	10000	07/01/05
Arsenic	189.04	10000	07/01/05
Barium	493.41	25000	07/01/05
Beryllium	313.04	4000	07/01/05
Boron	249.68	20000	07/01/05
Cadmium	226.50	2500	07/05/05
Calcium	317.93	600000	07/01/05
Chromium	267.72	50000	07/01/05
Cobalt	228.62	50000	07/01/05
Copper	324.75	50000	07/01/05
Iron	271.44	600000	07/01/05
Lead	220.35	15000	07/01/05
Magnesium	279.08	550000	07/05/05
Manganese	257.61	25000	07/01/05
Nickel	231.60	50000	07/01/05
Potassium	766.49	600000	07/01/05
Selenium	196.03	10000	07/01/05
Sodium	330.23	600000	07/01/05
Vanadium	292.40	50000	07/01/05
Zinc	213.86	10000	07/01/05

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number 5188014

Initials VPM/KC

Prep Date: 7/07/05

Due Date: 2005/07/13

Lot	Work Order				ICP Weight	ICPMS Weight	Hg Weight
A5G070000	HE01D	B	Due Date:	/ / 0			
Water	Total			SDG:			
A5G070000	HE01D	C	Due Date:	/ / 0			
Water	Total			SDG:			
A5G060283	HE0FM		Due Date:	7/13/05			
Water	Total			SDG:			
A5G010137	HEQ4D		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ4K		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ4Q		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ4T		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ4X		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ41		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ45		Due Date:	7/15/05			
Water	Total			SDG:			
A5G060255	HEX79		Due Date:	7/15/05			
Water	Total			SDG:			
A5G060207	HEX19		Due Date:	7/19/05			
Water	Total			SDG:			
A5G060290	HE0HJ		Due Date:	7/19/05			
Water	Total			SDG:			
A5G060137	HEXEE		Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEE	D	Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEE	S	Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEG		Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEH		Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEJ		Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEL		Due Date:	7/20/05			
Water	Total			SDG:			

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number **5188014**

Initials UPmlku

Prep Date: 7/07/05

Due Date: 2005/07/13

Lot	Work Order			ICP Weight	ICPMS Weight	Hg Weight
A5G060137	HEXEN	Due Date:	7/20/05			
Water	Total		SDG:			
A5G060137	HEXEP	Due Date:	7/20/05			
Water	Total		SDG:			
A5G060137	HEXER	Due Date:	7/20/05			
Water	Total		SDG:			
A5G060137	HEXET	Due Date:	7/20/05			
Water	Total		SDG:			

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH	✓
MS/MSD AND PDS ON BATCH	✓
CURVE PREPARED FOR Hg	
CORRECT SPIKES ADDED	✓
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG	✓

Comments:

B - BLANK ; C - CHECK SAMPLE ; L - CHECK SAMPLE DUPLICATE ; P - SERIAL DILUTION ; S - MATRIX SPIKE SAMPLE ; D - MATRIX SPIKE DUPLICATE SAMPLE

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE BX CA CD CO CR CU FE KX MG MN NA NI PB SB SE VX ZN

ICPMS ELEMENTS WITHIN THE BATCH:

MS/MSD 1: HEXEE	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD2:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD3:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
LCS/LCSD : HEOID	ICP-1	ICP-2A			Hg	Ag	ICPMS-1	ICPMS-2

Prep Method(s): MCAWW 200.7,MCAWW 245.1,SW846 3005A,SW846 7470A

```
:       Instrument Upload                                    Run Log - Page  1 :
:       Started Mon Jul 11 09:32:35 2005 by WILLIAML                           :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG10708C.PRN;1                       :
```

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1REP1	1	08-JUL-2005	10:48:36			H1
2	STD2REP1	1	08-JUL-2005	10:49:43			H1
3	STD3REP1	1	08-JUL-2005	10:51:01			H1
4	STD4REP1	1	08-JUL-2005	10:52:40			H1
5	STD5REP1	1	08-JUL-2005	10:53:46			H1
6	STD6REP1	1	08-JUL-2005	10:55:34			H1
7	CK5ICV	1	08-JUL-2005	10:56:45			H1
8	CK4ICB	1	08-JUL-2005	10:57:56			H1
9	CK3CRA\MRL	1	08-JUL-2005	10:59:03			H1
10	CK2CCV	1	08-JUL-2005	11:00:31			H1
11	CK1CCB	1	08-JUL-2005	11:01:37			H1
12	IDL	1	08-JUL-2005	11:03:45			H1
13	IDL	1	08-JUL-2005	11:05:15			H1
14	IDL	1	08-JUL-2005	11:06:33			H1
15	IDL	1	08-JUL-2005	11:07:37			H1
16	IDL	1	08-JUL-2005	11:08:55			H1
17	ILD	1	08-JUL-2005	11:10:22			H1
18	IDL	1	08-JUL-2005	11:11:39			H1
19	HEW21B	1	08-JUL-2005	11:12:48	5187022	A5G060000	H1
20	HEW21C	1	08-JUL-2005	11:14:03	5187022	A5G060000	H1
21	HEF1N	1	08-JUL-2005	11:15:40	5187022	A5F270174	H1
22	CK2CCV	1	08-JUL-2005	11:16:45			H1
23	CK1CCB	1	08-JUL-2005	11:17:49			H1
24	HEF1NX	1	08-JUL-2005	11:18:57	5187022	A5F270174	H1
25	HEF1NS	1	08-JUL-2005	11:20:03	5187022	A5F270174	H1
26	CK2CCV	1	08-JUL-2005	11:21:18			H1
27	CK1CCB	1	08-JUL-2005	11:22:29			H1
28	CK2CCV	1	08-JUL-2005	11:23:39			H1
29	CK1CCB	1	08-JUL-2005	11:24:45			H1
30	HEG9E	1000	08-JUL-2005	11:26:00	5182034	A5F280159	H1
31	HEWGKBT	1	08-JUL-2005	11:27:04	5188017	A5G050000	H1
32	HE01KBT	1	08-JUL-2005	11:28:13	5188017	A5G070000	H1
33	HE01KCT	1	08-JUL-2005	11:29:18	5188017	A5G070000	H1
34	HEAW9T	1	08-JUL-2005	11:30:56	5188017	5F21136	H1
35	HEAW9TS	1	08-JUL-2005	11:32:01	5188017	5F21136	H1
36	HEAW9TD	1	08-JUL-2005	11:33:10	5188017	5F21136	H1
37	HEWFHB	1	08-JUL-2005	11:35:06			H1
38	HE01PB	1	08-JUL-2005	11:36:23			H1
39	HE01PC	1	08-JUL-2005	11:37:34			H1
40	CK2CCV	1	08-JUL-2005	11:39:02			H1
41	CK1CCB	1	08-JUL-2005	11:40:47			H1
42	HEGG8	1	08-JUL-2005	11:41:56			H1
43	HECHD	1	08-JUL-2005	11:43:00			H1
44	HECHL	1	08-JUL-2005	11:44:11			H1

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48	HEEQ6	1	08-JUL-2005	11:49:38	5188019	A5F250197	H1
49	HEERC	1	08-JUL-2005	11:50:55	5188019	A5F250197	H1
50	HEERD	1	08-JUL-2005	11:52:14	5188019	A5F250197	H1
51	HERXP	1	08-JUL-2005	11:53:21	5188019	A5G010239	H1
52	CK2CCV	1	08-JUL-2005	11:54:48			H1
53	CK1CCB	1	08-JUL-2005	11:56:03			H1
54	HER0N	1	08-JUL-2005	11:57:09	5188019	A5G010241	H1
55	HER0NS	1	08-JUL-2005	11:58:15	5188019	A5G010241	H1
56	HER0ND	1	08-JUL-2005	11:59:30	5188019	A5G010241	H1
57	HEWECBT	1	08-JUL-2005	12:01:25	5188020	A5G050000	H1
58	HE01RBT	1	08-JUL-2005	12:03:22	5188020	A5G070000	H1
59	HE01RCT	1	08-JUL-2005	12:05:02	5188020	A5G070000	H1
60	HEDKAT	1	08-JUL-2005	12:06:53	5188020	A5F240378	H1
61	HEPJ0T	1	08-JUL-2005	12:08:09	5188020	A5F300299	H1
62	HEPJDT	1	08-JUL-2005	12:09:15	5188020	A5F300299	H1
63	HER56T	1	08-JUL-2005	12:10:42	5188020	A5G010271	H1
64	CK2CCV	1	08-JUL-2005	12:11:53			H1
65	CK1CCB	1	08-JUL-2005	12:12:58			H1
66	HELQET	1	08-JUL-2005	12:14:13	5188020	A5F290253	H1
67	HELQETS	1	08-JUL-2005	12:15:30	5188020	A5F290253	H1
68	HELQETD	1	08-JUL-2005	12:16:49	5188020	A5F290253	H1
69	HEWE7BT	1	08-JUL-2005	12:18:24	5188018	A5G050000	H1
70	HE01MBT	1	08-JUL-2005	12:19:30	5188018	A5G070000	H1
71	HE01MCT	1	08-JUL-2005	12:20:57	5188018	A5G070000	H1
72	HE01MLT	1	08-JUL-2005	12:22:17	5188018	A5G070000	H1
73	HEDKHT	1	08-JUL-2005	12:23:34	5188018	A5F240378	H1
74	HE01DB	1	08-JUL-2005	12:24:43	5188014	A5G070000	H1
75	HE01DC	1	08-JUL-2005	12:25:54	5188014	A5G070000	H1
76	CK2CCV	1	08-JUL-2005	12:27:20			H1
77	CK1CCB	1	08-JUL-2005	12:28:34			H1
78	HE0FM	1	08-JUL-2005	12:29:39	5188014	A5G060283	H1
79	HEQ41	1	08-JUL-2005	12:30:47	5188014	A5G010137	H1
80	HEQ45	1	08-JUL-2005	12:32:26	5188014	A5G010137	H1
81	HEQ4D	1	08-JUL-2005	12:33:37	5188014	A5G010137	H1
82	HEQ4K	1	08-JUL-2005	12:34:54	5188014	A5G010137	H1
83	HEQ4Q	1	08-JUL-2005	12:36:24	5188014	A5G010137	H1
84	HEQ4T	1	08-JUL-2005	12:37:34	5188014	A5G010137	H1
85	HEQ4X	1	08-JUL-2005	12:39:06	5188014	A5G010137	H1
86	HEX79	1	08-JUL-2005	12:40:26	5188014	A5G060255	H1
87	HEXEE	1	08-JUL-2005	12:41:47	5188014	A5G060137	H1
88	CK2CCV	1	08-JUL-2005	12:43:02			H1

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
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91	HEXEED	1	08-JUL-2005	12:46:52	5188014	A5G060137	H1
92	HEXEG	1	08-JUL-2005	12:47:59	5188014	A5G060137	H1
93	HEXEH	1	08-JUL-2005	12:49:18	5188014	A5G060137	H1
94	HEXEJ	1	08-JUL-2005	12:50:27	5188014	A5G060137	H1
95	HEXEL	1	08-JUL-2005	12:52:08	5188014	A5G060137	H1
96	HEXEN	1	08-JUL-2005	12:53:44	5188014	A5G060137	H1
97	HEXEP	1	08-JUL-2005	12:55:06	5188014	A5G060137	H1
98	HEXER	1	08-JUL-2005	12:56:22	5188014	A5G060137	H1
99	HEXET	1	08-JUL-2005	12:57:53	5188014	A5G060137	H1
100	CK2CCV	1	08-JUL-2005	12:59:15			H1
101	CK1CCB	1	08-JUL-2005	13:01:00			H1
102	HEG9E	2000	08-JUL-2005	13:02:20	5182034	A5F280159	H1
103	CK2CCV	1	08-JUL-2005	13:03:57			H1
104	CK1CCB	1	08-JUL-2005	13:05:04			H1
105	CK2CCV	1	08-JUL-2005	14:03:07			H1
106	CK1CCB	1	08-JUL-2005	14:04:16			H1
107	HEXRGBT	1	08-JUL-2005	14:05:36	5189042	A5G060000	H1
108	HE3A7BT	1	08-JUL-2005	14:07:02	5189042	A5G080000	H1
109	HE3A7CT	1	08-JUL-2005	14:08:59	5189042	A5G080000	H1
110	HEJDMT	1	08-JUL-2005	14:10:38	5189042	5F28289	H1
111	HEJDMTS	1	08-JUL-2005	14:11:48	5189042	5F28289	H1
112	HEJDMTD	1	08-JUL-2005	14:13:03	5189042	5F28289	H1
113	HEKP5T	1	08-JUL-2005	14:14:20	5189042	5F29134	H1
114	HEKPQT	1	08-JUL-2005	14:15:48	5189042	5F29134	H1
115	HEL6TT	1	08-JUL-2005	14:17:14	5189042	A5F290312	H1
116	HEKQPT	1	08-JUL-2005	14:18:19	5189042	5F28289	H1
117	CK2CCV	1	08-JUL-2005	14:19:35			H1
118	CK1CCB	1	08-JUL-2005	14:20:41			H1
119	HEN6XT	1	08-JUL-2005	14:21:47	5189042	A5F300256	H1
120	HEN7AT	1	08-JUL-2005	14:23:17	5189042	A5F300256	H1
121	HEN7ET	1	08-JUL-2005	14:24:22	5189042	A5F300256	H1
122	HEN7JT	1	08-JUL-2005	14:25:31	5189042	A5F300256	H1
123	HERA9T	1	08-JUL-2005	14:26:37	5189042	5F28289	H1
124	HER44T	1	08-JUL-2005	14:27:58	5189042	A5G010266	H1
125	HER5ET	1	08-JUL-2005	14:29:03	5189042	A5G010268	H1
126	HEXWNBT	1	08-JUL-2005	14:30:08	5189040	A5G060000	H1
127	HE3A3BT	1	08-JUL-2005	14:31:47	5189040	A5G080000	H1
128	HE3A3CT	1	08-JUL-2005	14:32:55	5189040	A5G080000	H1
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130	CK1CCB	1	08-JUL-2005	14:35:55			H1
131	HET19T	1	08-JUL-2005	14:38:04	5189040	5F28289	H1
132	HET19TS	1	08-JUL-2005	14:39:16	5189040	5F28289	H1

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
133	HET19TD	1	08-JUL-2005	14:40:27	5189040	5F28289	H1
134	HEVV3T	1	08-JUL-2005	14:41:36	5189040	A5G050101	H1
135	HENFWT	1	08-JUL-2005	14:42:41	5189040	A5F300152	H1
136	HENGGT	1	08-JUL-2005	14:43:58	5189040	A5F300152	H1
137	HEXXHBT	1	08-JUL-2005	14:45:08	5189039	A5G060000	H1
138	HE3AXBT	1	08-JUL-2005	14:46:27	5189039	A5G080000	H1
139	HE3AXCT	1	08-JUL-2005	14:47:43	5189039	A5G080000	H1
140	HEVV0T	1	08-JUL-2005	14:49:01	5189039	A5G050101	H1
141	CK2CCV	1	08-JUL-2005	14:50:26			H1
142	CK1CCB	1	08-JUL-2005	14:51:30			H1
143	HEVV0TS	1	08-JUL-2005	14:52:37	5189039	A5G050101	H1
144	HEVV0TD	1	08-JUL-2005	14:54:12	5189039	A5G050101	H1
145	HE3CGB	1	08-JUL-2005	14:55:29	5189050	A5G080000	H1
146	HE3CGC	1	08-JUL-2005	14:56:37	5189050	A5G080000	H1
147	HEPTW	1	08-JUL-2005	14:57:42	5189050	A5F300334	H1
148	HEPTWS	1	08-JUL-2005	14:58:52	5189050	A5F300334	H1
149	HEPTWD	1	08-JUL-2005	15:00:32	5189050	A5F300334	H1
150	HEPVE	1	08-JUL-2005	15:01:47	5189050	A5F300334	H1
151	HEPVF	1	08-JUL-2005	15:03:07	5189050	A5F300334	H1
152	HEPVG	1	08-JUL-2005	15:04:16	5189050	A5F300334	H1
153	CK2CCV	1	08-JUL-2005	15:05:25			H1
154	CK1CCB	1	08-JUL-2005	15:06:41			H1
155	HEPVH	1	08-JUL-2005	15:08:07	5189050	A5F300334	H1
156	HEPVJ	1	08-JUL-2005	15:09:25	5189050	A5F300334	H1
157	HEPVK	1	08-JUL-2005	15:10:41	5189050	A5F300334	H1
158	HEPVL	1	08-JUL-2005	15:12:48	5189050	A5F300334	H1
159	HEPVM	1	08-JUL-2005	15:14:47	5189050	A5F300334	H1
160	HEPVN	1	08-JUL-2005	15:15:55	5189050	A5F300334	H1
161	HEPVQ	1	08-JUL-2005	15:17:01	5189050	A5F300334	H1
162	HEPVR	1	08-JUL-2005	15:18:10	5189050	A5F300334	H1
163	HEPVT	1	08-JUL-2005	15:19:20	5189050	A5F300334	H1
164	HEPVV	1	08-JUL-2005	15:21:26	5189050	A5F300334	H1
165	CK2CCV	1	08-JUL-2005	15:22:33			H1
166	CK1CCB	1	08-JUL-2005	15:23:53			H1
167	HE3CMB	1	08-JUL-2005	15:25:09	5189055	A5G080000	H1
168	HE3CMC	1	08-JUL-2005	15:26:17	5189055	A5G080000	H1
169	HET99	1	08-JUL-2005	15:27:29	5189055	A5G020162	H1
170	HET9G	1	08-JUL-2005	15:28:37	5189055	A5G020162	H1
171	HET9GS	1	08-JUL-2005	15:29:43	5189055	A5G020162	H1
172	HET9GD	1	08-JUL-2005	15:31:31	5189055	A5G020162	H1
173	HEVA1	1	08-JUL-2005	15:32:40	5189055	A5G020162	H1
174	HEVA4	1	08-JUL-2005	15:33:56	5189055	A5G020162	H1
175	HEVA8	1	08-JUL-2005	15:35:02	5189055	A5G020162	H1
176	HEVAA	1	08-JUL-2005	15:36:08	5189055	A5G020162	H1

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:       Started Mon Jul 11 09:32:36 2005 by WILLIAML                           :
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178	CK1CCB	1	08-JUL-2005	15:38:44			H1
179	HEVAC	1	08-JUL-2005	15:40:05	5189055	A5G020162	H1
180	HEVAE	1	08-JUL-2005	15:41:21	5189055	A5G020162	H1
181	HEVAF	1	08-JUL-2005	15:42:30	5189055	A5G020162	H1
182	HEVAG	1	08-JUL-2005	15:43:49	5189055	A5G020162	H1
183	HEVAH	1	08-JUL-2005	15:44:57	5189055	A5G020162	H1
184	HEVAJ	1	08-JUL-2005	15:46:15	5189055	A5G020162	H1
185	HEVAL	1	08-JUL-2005	15:48:18	5189055	A5G020162	H1
186	HEVAP	1	08-JUL-2005	15:49:38	5189055	A5G020162	H1
187	HEVAQ	1	08-JUL-2005	15:50:44	5189055	A5G020162	H1
188	HEVAT	1	08-JUL-2005	15:52:12	5189055	A5G020162	H1
189	CK2CCV	1	08-JUL-2005	15:53:22			H1
190	CK1CCB	1	08-JUL-2005	15:54:29			H1
191	HEVAW	1	08-JUL-2005	15:55:37	5189055	A5G020162	H1
192	HEVCC	1	08-JUL-2005	15:56:55	5189055	A5G020162	H1
193	HEVCE	1	08-JUL-2005	15:58:14	5189055	A5G020162	H1
194	CRA\MRL	1	08-JUL-2005	15:59:34			H1
195	CK2CCV	1	08-JUL-2005	16:00:40			H1
196	CK1CCB	1	08-JUL-2005	16:01:56			H1

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: Started Wed Jul 13 12:25:28 2005 by OMEARAP :
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3	CAL	1	12-JUL-2005	11:56:00			I5
4	ICV	1	12-JUL-2005	12:00:00			I5
5	ICB	1	12-JUL-2005	12:07:00			I5
6	CRI\MRL	1	12-JUL-2005	12:12:00			I5
7	ICSA	1	12-JUL-2005	12:19:00			I5
8	ICSAB	1	12-JUL-2005	12:24:00			I5
9	CCV	1	12-JUL-2005	12:30:00			I5
10	CCB	1	12-JUL-2005	12:37:00			I5
11	HE01DB	1	12-JUL-2005	12:56:00	5188014	A5G070000	I5
12	HE01DC	1	12-JUL-2005	13:01:00	5188014	A5G070000	I5
13	HE0FM	1	12-JUL-2005	13:07:00	5188014	A5G060283	I5
14	HEQ4D	1	12-JUL-2005	13:12:00	5188014	A5G010137	I5
15	HEQ4K	1	12-JUL-2005	13:17:00	5188014	A5G010137	I5
16	HEQ4Q	1	12-JUL-2005	13:22:00	5188014	A5G010137	I5
17	HEQ4T	1	12-JUL-2005	13:27:00	5188014	A5G010137	I5
18	HEQ4X	1	12-JUL-2005	13:31:00	5188014	A5G010137	I5
19	HEQ41	1	12-JUL-2005	13:36:00	5188014	A5G010137	I5
20	HEQ45	1	12-JUL-2005	13:41:00	5188014	A5G010137	I5
21	CCV	1	12-JUL-2005	13:48:00			I5
22	CCB	1	12-JUL-2005	13:56:00			I5
23	HEX79	1	12-JUL-2005	14:00:00	5188014	A5G060255	I5
24	HEX19	1	12-JUL-2005	14:05:00	5188014	A5G060207	I5
25	HE0HJ	1	12-JUL-2005	14:10:00	5188014	A5G060290	I5
26	HEXEE	1	12-JUL-2005	14:16:00	5188014	A5G060137	I5
27	HEXEES	1	12-JUL-2005	14:20:00	5188014	A5G060137	I5
28	HEXEED	1	12-JUL-2005	14:25:00	5188014	A5G060137	I5
29	HEXEG	1	12-JUL-2005	14:32:00	5188014	A5G060137	I5
30	HEXEH	1	12-JUL-2005	14:36:00	5188014	A5G060137	I5
31	HEXEJ	1	12-JUL-2005	14:41:00	5188014	A5G060137	I5
32	HEXEL	1	12-JUL-2005	14:46:00	5188014	A5G060137	I5
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34	CCB	1	12-JUL-2005	15:01:00			I5
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36	HEXEP	1	12-JUL-2005	15:10:00	5188014	A5G060137	I5
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38	HEXET	1	12-JUL-2005	15:20:00	5188014	A5G060137	I5
39	HEXETL	1	12-JUL-2005	15:25:00			I5
40	HEW2XB	1	12-JUL-2005	15:32:00	5187021	A5G060000	I5
41	HEW2XC	1	12-JUL-2005	15:36:00	5187021	A5G060000	I5
42	HEKLM	1	12-JUL-2005	16:30:00	5187021	A5F290129	I5
43	HEKLML	1	12-JUL-2005	16:35:00			I5
44	HEKMF	1	12-JUL-2005	16:40:00	5187021	A5F290129	I5

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
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46	CCB	1	12-JUL-2005	16:53:00			I5
47	HEKMH	1	12-JUL-2005	16:58:00	5187021	A5F290129	I5
48	HEKMJ	1	12-JUL-2005	17:03:00	5187021	A5F290129	I5
49	ZZZZZ	1	12-JUL-2005	17:15:00			I5
50	ZZZZZ	1	12-JUL-2005	17:23:00			I5
51	CCV	1	12-JUL-2005	17:32:00			I5
52	CCB	1	12-JUL-2005	17:39:00			I5
53	HEXEN	1	12-JUL-2005	17:44:00	5188014	A5G060137	I5
54	HEXEP	1	12-JUL-2005	17:49:00	5188014	A5G060137	I5
55	HEXER	1	12-JUL-2005	17:54:00	5188014	A5G060137	I5
56	HEXET	1	12-JUL-2005	17:59:00	5188014	A5G060137	I5
57	HEXETL	1	12-JUL-2005	18:04:00			I5
58	HEW2XB	1	12-JUL-2005	18:10:00	5187021	A5G060000	I5
59	HEW2XC	1	12-JUL-2005	18:15:00	5187021	A5G060000	I5
60	HEKLM	1	12-JUL-2005	18:21:00	5187021	A5F290129	I5
61	HEKLML	1	12-JUL-2005	18:26:00			I5
62	HEKMF	1	12-JUL-2005	18:31:00	5187021	A5F290129	I5
63	CCV	1	12-JUL-2005	18:38:00			I5
64	CCB	1	12-JUL-2005	18:45:00			I5
65	HEKMH	1	12-JUL-2005	18:50:00	5187021	A5F290129	I5
66	HEKMJ	1	12-JUL-2005	18:55:00	5187021	A5F290129	I5
67	HEKMK	1	12-JUL-2005	18:59:00	5187021	A5F290129	I5
68	HEKMM	1	12-JUL-2005	19:04:00	5187021	A5F290129	I5
69	HEKMP	1	12-JUL-2005	19:09:00	5187021	A5F290129	I5
70	HEL4R	1	12-JUL-2005	19:14:00	5187021	A5F290298	I5
71	HEL5W	1	12-JUL-2005	19:19:00	5187021	A5F290298	I5
72	HEL50	1	12-JUL-2005	19:24:00	5187021	A5F290298	I5
73	HEL52	1	12-JUL-2005	19:28:00	5187021	A5F290298	I5
74	HEL55	1	12-JUL-2005	19:33:00	5187021	A5F290298	I5
75	CCV	1	12-JUL-2005	19:40:00			I5
76	CCB	1	12-JUL-2005	19:47:00			I5
77	HEL57	1	12-JUL-2005	19:52:00	5187021	A5F290298	I5
78	HEL6A	1	12-JUL-2005	19:57:00	5187021	A5F290298	I5
79	HEL6H	1	12-JUL-2005	20:02:00	5187021	A5F290298	I5
80	HEL6N	1	12-JUL-2005	20:06:00	5187021	A5F290298	I5
81	HEL6Q	1	12-JUL-2005	20:11:00	5187021	A5F290298	I5
82	HEL63	1	12-JUL-2005	20:16:00	5187021	A5F290298	I5
83	HEQ0G	1	12-JUL-2005	20:21:00	5187021	A5G010122	I5
84	HEQ0GS	1	12-JUL-2005	20:26:00	5187021	A5G010122	I5
85	HEQ0GD	1	12-JUL-2005	20:31:00	5187021	A5G010122	I5
86	CCV	1	12-JUL-2005	20:40:00			I5
87	CCB	1	12-JUL-2005	20:47:00			I5
88	HEVRHB	1	12-JUL-2005	21:53:00	5186016	A5G050000	I5

(continued)

INSTRUMENT PRINTOUTS

STL North Canton Hg Data Review Checklist

Run/Project Information

Run Date: 7-8-05 Analyst: ML Instrument: H1

Prep Batches Run: See run log

Circle Methods used: 7470A / 245.1 : CORP-MT-0005 Rev 1 7471 / 245.1 : CORP-MT-0007 Rev 1
CLP - AQ : CORP-MT-0006 Rev 0 CLP - SOL : CORP-MT-0008 Rev 0
1631 : NC-MT-0001 Rev 1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I Analyst: Michael [illegible] Date: 7-8-05 10:48-13:05
Comments: [illegible] 7.11.05 14:03 - 16:01

2nd Level Reviewer: [illegible] Date: 7.8.05 10:48-13:05
Patrick [illegible] 7-11-05 1403-1601

Curve Prepared Date: 7-7-05 Time: 1:20 pm - 3:20 pm

ICV HPS 505228 $SnCl_2$ SMR 467

```
Hg    .0000   ppb      10132

*** Standard: 2 Rep: 1              Seq:  1      10:49:43 08 Jul 2005 HG

Hg    .2000   ppb      17688

*** Standard: 3 Rep: 1              Seq:  2      10:51:01 08 Jul 2005 HG

Hg    .5000   ppb      38125

*** Standard: 4 Rep: 1              Seq:  3      10:52:40 08 Jul 2005 HG

Hg    1.000   ppb      74569

*** Standard: 5 Rep: 1              Seq:  4      10:53:46 08 Jul 2005 HG

Hg    5.000   ppb      323431

*** Standard: 6 Rep: 1              Seq:  5      10:55:34 08 Jul 2005 HG

Hg    10.00   ppb      619228
```

RunFold: HG107080C Seq: 6 Batch:

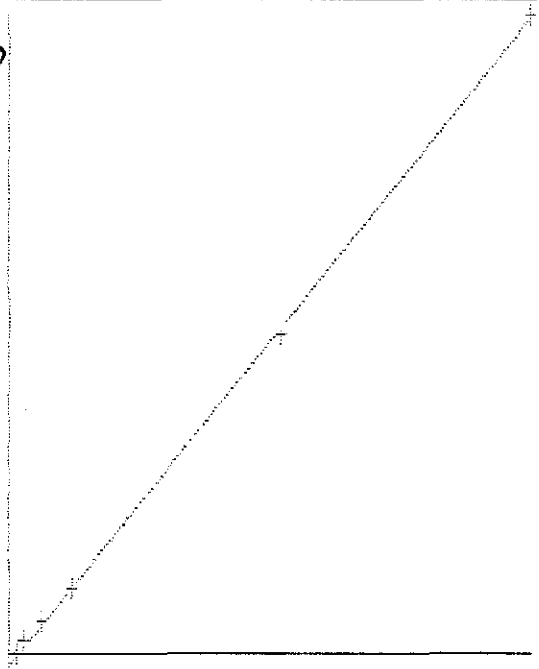
Prnt: R/T On Pump: On

Rev: 4.2 10:55:37 08 Jul 2005 Xmit: Off Gas: 0.70 LPM

State: Idle Macro SCOTT 66: F3 Print User: SMI A/S: On

CALIBRATION: Line proto: HGPPB

	Hg Conc.	Calc.	Dev.	Accepted ->linear
S1	.0000	.0043	.0043	Quadratic
S2	.2000	.1275	-.0725	Wtd linear
S3	.5000	.4608	-.0392	
S4	1.000	1.055	.0552	Accept
S5	5.000	5.114	.1140	
S6	10.00	9.936	-.0618	
A	.00000000	r	.999933	
B	1.63094e-5	C	-1.60976e-1	



Relative Absorbance

	Mean		SD	
S1	10132	0	SD	10132
S2	17688	0	%RSD	17688
S3	36125	0	%RSD	36125
S4	74569	0	%RSD	74569
S5	323431	0	%RSD	323431
S6	619228	0	%RSD	619228

New cal coefficients stored

10:56:45 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 5 Ck5ICV Seq: 6 10:56:45 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.24	2.356	2.500	ppb	.0000 %

*** Check Standard: 4 Ck4ICB Seq: 7 10:57:56 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		-519600	-.0520	.0000	ppb	.0000 %

*** Check Standard: 3 Ck3CRA\MRL Seq: 8 10:59:03 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.27	.1645	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 9 11:00:31 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.2	5.112	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 10 11:01:37 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0608	.2000	ppb	.0000 %

*** Sample ID: IDL 1 Seq: 11 11:03:45 08 Jul 2005 HG

WATER

Hg	.0361	ppb	.0000 %	.0361

AVG
-0.0143

*** Sample ID: IDL 2 Seq: 12 11:05:15 08 Jul 2005 HG

WATER

Hg	-.0252	ppb	.0000 %	-.0252

SD
0.027249

*** Sample ID: IDL 3 Seq: 13 11:06:33 08 Jul 2005 HG

WATER

Hg	-.0374	ppb	.0000 %	-.0374

IDL
0.081747

*** Sample ID: IDL 4 Seq: 14 11:07:37 08 Jul 2005 HG

WATER

Hg	-.0315	ppb	.0000 %	-.0315

*** Sample ID: IDL 5 Seq: 15 11:08:55 08 Jul 2005 HG

WATER

Hg	-.0035	ppb	.0000 %	-.0035

*** Sample ID: ILD 6 Seq: 16 11:10:22 08 Jul 2005 HG

WATER

Hg	.0007	ppb	.0000 %	.0007

*** Sample ID: IDL 7 Seq: 17 11:11:39 08 Jul 2005 HG

WATER

Hg	-.0393	ppb	.0000 %	-.0393

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEW21B Seq: 18 11:12:48 08 Jul 2005 HG
5187022
Hg -.0250 ppb .0000 % -.0250

*** Sample ID: HEW21C Seq: 19 11:14:03 08 Jul 2005 HG
WATER
Hg 5.612 ppb .0000 % 5.612

*** Sample ID: HEF1N Seq: 20 11:15:40 08 Jul 2005 HG
WATER
PE Sample
Hg 3.281 ppb .0000 % 3.281

*** Check Standard: 2 Ck2CCV Seq: 21 11:16:45 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.5	5.224	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 22 11:17:49 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0869	.2000	ppb	.0000 %

*** Sample ID: HEF1NX Seq: 23 11:18:57 08 Jul 2005 HG
WATER
Hg 3.253 ppb .0000 % 3.253

*** Sample ID: HEF1NS Seq: 24 11:20:03 08 Jul 2005 HG
WATER
Hg 4.381 ppb .0000 % 4.381

*** Check Standard: 2 Ck2CCV Seq: 25 11:21:18 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.9	5.293	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 26 11:22:29 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0395	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 27 11:23:39 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.7	5.184	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 28 11:24:45 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0502	.2000	ppb	.0000 %

*** Sample ID: HEG9E/1000 Seq: 29 11:26:00 08 Jul 2005 HG
WATER
2000X
Hg 10.38 ppb .0000 % 10.38

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEWGKBT Seq: 30 11:27:04 08 Jul 2005 HG
5188017
Hg -.0716 ppb .0000 % -.0716

*** Sample ID: HE01KBT Seq: 31 11:28:13 08 Jul 2005 HG
WATER
Hg -.0661 ppb .0000 % -.0661

*** Sample ID: HE01KCT Seq: 32 11:29:18 08 Jul 2005 HG
WATER
Hg 5.321 ppb .0000 % 5.321

*** Sample ID: HEAW9T Seq: 33 11:30:56 08 Jul 2005 HG
WATER
Hg .1091 ppb .0000 % .1091

*** Sample ID: HEAW9TS Seq: 34 11:32:01 08 Jul 2005 HG
WATER
Hg 5.585 ppb .0000 % 5.585

*** Sample ID: HEAW9TD Seq: 35 11:33:10 08 Jul 2005 HG
WATER
Hg 5.391 ppb .0000 % 5.391

*** Sample ID: HEWFHB Seq: 36 11:35:06 08 Jul 2005 HG
5188019
Hg -.0524 ppb .0000 % -.0524

*** Sample ID: HE01PB Seq: 37 11:36:23 08 Jul 2005 HG
WATER
Hg -.0339 ppb .0000 % -.0339

*** Sample ID: HE01PC Seq: 38 11:37:34 08 Jul 2005 HG
WATER
Hg 4.690 ppb .0000 % 4.690

*** Check Standard: 2 Ck2CCV Seq: 39 11:39:02 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.6	5.332	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 40 11:40:47 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0015	.2000	ppb	.0000 %

*** Sample ID: HEGG8 Seq: 41 11:41:56 08 Jul 2005 HG
WATER
Hg .0005 ppb .0000 % .0005

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HECHD Seq: 42 11:43:00 08 Jul 2005 HG
WATER
Hg -.0134 ppb .0000 % -.0134

*** Sample ID: HECHL Seq: 43 11:44:11 08 Jul 2005 HG
WATER
Hg -.0072 ppb .0000 % -.0072

*** Sample ID: HECHR Seq: 44 11:45:35 08 Jul 2005 HG
WATER
Hg -.0303 ppb .0000 % -.0303

*** Sample ID: HEEQ3 Seq: 45 11:47:10 08 Jul 2005 HG
WATER
Hg .0166 ppb .0000 % .0166

*** Sample ID: HEEQ4 Seq: 46 11:48:30 08 Jul 2005 HG
WATER
Hg -.0207 ppb .0000 % -.0207

*** Sample ID: HEEQ6 Seq: 47 11:49:38 08 Jul 2005 HG
WATER
Hg -.0412 ppb .0000 % -.0412

*** Sample ID: HEERC Seq: 48 11:50:55 08 Jul 2005 HG
WATER
Hg -.0188 ppb .0000 % -.0188

*** Sample ID: HEERD Seq: 49 11:52:14 08 Jul 2005 HG
WATER
Hg -.0512 ppb .0000 % -.0512

*** Sample ID: HERXP Seq: 50 11:53:21 08 Jul 2005 HG
WATER
Hg -.0463 ppb .0000 % -.0463

*** Check Standard: 2 Ck2CCV Seq: 51 11:54:48 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.9	5.346	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 52 11:56:03 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0235	.2000	ppb	.0000 %

*** Sample ID: HERON Seq: 53 11:57:09 08 Jul 2005 HG
WATER
Hg .0039 ppb .0000 % .0039

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HERONS Seq: 54 11:58:15 08 Jul 2005 HG
WATER
Hg 5.210 ppb .0000 % 5.210

*** Sample ID: HEROND Seq: 55 11:59:30 08 Jul 2005 HG
WATER
Hg 5.487 ppb .0000 % 5.487

*** Sample ID: HEWECBT Seq: 56 12:01:25 08 Jul 2005 HG
5188020
Hg -.0158 ppb .0000 % -.0158

*** Sample ID: HE01RBT Seq: 57 12:03:22 08 Jul 2005 HG
WATER
Hg -.0335 ppb .0000 % -.0335

*** Sample ID: HE01RCT Seq: 58 12:05:02 08 Jul 2005 HG
WATER
Hg 5.427 ppb .0000 % 5.427

*** Sample ID: HEDKAT Seq: 59 12:06:53 08 Jul 2005 HG
WATER
Hg .0573 ppb .0000 % .0573

*** Sample ID: HEPJ0T Seq: 60 12:08:09 08 Jul 2005 HG
WATER
Hg .0330 ppb .0000 % .0330

*** Sample ID: HEPJDT Seq: 61 12:09:15 08 Jul 2005 HG
WATER
Hg .0050 ppb .0000 % .0050

*** Sample ID: HER56T Seq: 62 12:10:42 08 Jul 2005 HG
WATER
Hg .0557 ppb .0000 % .0557

*** Check Standard: 2 Ck2CCV Seq: 63 12:11:53 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.1	5.353	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 64 12:12:58 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0632	.2000	ppb	.0000 %

*** Sample ID: HELQET Seq: 65 12:14:13 08 Jul 2005 HG
WATER
Hg .0276 ppb .0000 % .0276

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HELQETS Seq: 66 12:15:30 08 Jul 2005 HG
WATER
Hg 5.312 ppb .0000 % 5.312

*** Sample ID: HELQETD Seq: 67 12:16:49 08 Jul 2005 HG
WATER
Hg 5.467 ppb .0000 % 5.467

*** Sample ID: HEWE7BT Seq: 68 12:18:24 08 Jul 2005 HG
5188018
Hg .0214 ppb .0000 % .0214

*** Sample ID: HE01MBT Seq: 69 12:19:30 08 Jul 2005 HG
WATER
Hg -.0201 ppb .0000 % -.0201

*** Sample ID: HE01MCT Seq: 70 12:20:57 08 Jul 2005 HG
WATER
Hg 5.230 ppb .0000 % 5.230

*** Sample ID: HE01MLT Seq: 71 12:22:17 08 Jul 2005 HG
WATER
Hg 4.925 ppb .0000 % 4.925

*** Sample ID: HEDKHT Seq: 72 12:23:34 08 Jul 2005 HG
WATER
Hg -.0911 ppb .0000 % -.0911

*** Sample ID: HE01DB Seq: 73 12:24:43 08 Jul 2005 HG
5188014
Hg -.0388 ppb .0000 % -.0388

*** Sample ID: HE01DC Seq: 74 12:25:54 08 Jul 2005 HG
WATER
Hg 5.211 ppb .0000 % 5.211

*** Check Standard: 2 Ck2CCV Seq: 75 12:27:20 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.3	5.367	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 76 12:28:34 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0136	.2000	ppb	.0000 %

*** Sample ID: HE0FM Seq: 77 12:29:39 08 Jul 2005 HG
WATER
Hg -.0353 ppb .0000 % -.0353

12:30:47 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEQ41 Seq: 78 12:30:47 08 Jul 2005 HG

WATER

Hg -.0777 ppb .0000 % -.0777

*** Sample ID: HEQ45 Seq: 79 12:32:26 08 Jul 2005 HG

WATER

Hg .0084 ppb .0000 % .0084

*** Sample ID: HEQ4D Seq: 80 12:33:37 08 Jul 2005 HG

WATER

Hg .0095 ppb .0000 % .0095

*** Sample ID: HEQ4K Seq: 81 12:34:54 08 Jul 2005 HG

WATER

Hg -.0289 ppb .0000 % -.0289

*** Sample ID: HEQ4Q Seq: 82 12:36:24 08 Jul 2005 HG

WATER

Hg -.0303 ppb .0000 % -.0303

*** Sample ID: HEQ4T Seq: 83 12:37:34 08 Jul 2005 HG

WATER

Hg -.0770 ppb .0000 % -.0770

*** Sample ID: HEQ4X Seq: 84 12:39:06 08 Jul 2005 HG

WATER

Hg -.0374 ppb .0000 % -.0374

*** Sample ID: HEX79 Seq: 85 12:40:26 08 Jul 2005 HG

WATER

Hg -.0053 ppb .0000 % -.0053

*** Sample ID: HEXEE Seq: 86 12:41:47 08 Jul 2005 HG

WATER

Hg .0199 ppb .0000 % .0199

*** Check Standard: 2 Ck2CCV Seq: 87 12:43:02 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.2	5.361	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 88 12:44:07 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0604	.2000	ppb	.0000 %

*** Sample ID: HEXEES Seq: 89 12:45:14 08 Jul 2005 HG

WATER

Hg 1.117 ppb .0000 % 1.117

12:46:52 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEXEED Seq: 90 12:46:52 08 Jul 2005 HG

WATER

Hg 1.066 ppb .0000 % 1.066

*** Sample ID: HEXEG Seq: 91 12:47:59 08 Jul 2005 HG

WATER

Hg -.0831 ppb .0000 % -.0831

*** Sample ID: HEXEH Seq: 92 12:49:18 08 Jul 2005 HG

WATER

Hg -.0655 ppb .0000 % -.0655

*** Sample ID: HEXEJ Seq: 93 12:50:27 08 Jul 2005 HG

WATER

Hg -.0393 ppb .0000 % -.0393

*** Sample ID: HEXEL Seq: 94 12:52:08 08 Jul 2005 HG

WATER

Hg .0326 ppb .0000 % .0326

*** Sample ID: HEXEN Seq: 95 12:53:44 08 Jul 2005 HG

WATER

Hg .0296 ppb .0000 % .0296

*** Sample ID: HEXEP Seq: 96 12:55:06 08 Jul 2005 HG

WATER

Hg -.0322 ppb .0000 % -.0322

*** Sample ID: HEXER Seq: 97 12:56:22 08 Jul 2005 HG

WATER

Hg -.0694 ppb .0000 % -.0694

*** Sample ID: HEXET Seq: 98 12:57:53 08 Jul 2005 HG

WATER

Hg -.0547 ppb .0000 % -.0547

*** Check Standard: 2 Ck2CCV Seq: 99 12:59:15 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.4	5.369	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 100 13:01:00 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0373	.2000	ppb	.0000 %

*** Sample ID: HEG9E/2000 Seq: 101 13:02:20 08 Jul 2005 HG

WATER

Hg 5.353 ppb .0000 % 5.353

13:03:57 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2CCV Seq: 102 13:03:57 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.1	5.305	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 103 13:05:04 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0647	.2000	ppb	.0000 %

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.9	5.096	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 105 14:04:16 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0516	.2000	ppb	.0000 %

*** Sample ID: HEXRGBT Seq: 106 14:05:36 08 Jul 2005 HG

5189042

Hg -.0191 ppb .0000 % -.0191

*** Sample ID: HE3A7BT Seq: 107 14:07:02 08 Jul 2005 HG

WATER

Hg -.0687 ppb .0000 % -.0687

*** Sample ID: HE3A7CT Seq: 108 14:08:59 08 Jul 2005 HG

WATER

Hg 4.557 ppb .0000 % 4.557

*** Sample ID: HEJDMT Seq: 109 14:10:38 08 Jul 2005 HG

WATER

Hg .0129 ppb .0000 % .0129

*** Sample ID: HEJDMTS Seq: 110 14:11:48 08 Jul 2005 HG

WATER

Hg 4.863 ppb .0000 % 4.863

*** Sample ID: HEJDMTD Seq: 111 14:13:03 08 Jul 2005 HG

WATER

Hg 4.775 ppb .0000 % 4.775

*** Sample ID: HEKP5T Seq: 112 14:14:20 08 Jul 2005 HG

WATER

Hg -.0354 ppb .0000 % -.0354

*** Sample ID: HEKPQT Seq: 113 14:15:48 08 Jul 2005 HG

WATER

Hg .0370 ppb .0000 % .0370

14:17:14 08 Jul 2005 PROTOCOL: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEL6TT Seq: 114 14:17:14 08 Jul 2005 HG

WATER

Hg -.0113 ppb .0000 % -.0113

*** Sample ID: HEKQPT Seq: 115 14:18:19 08 Jul 2005 HG

WATER

Hg -.0927 ppb .0000 % -.0927

*** Check Standard: 2 Ck2CCV Seq: 116 14:19:35 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.5	5.274	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 117 14:20:41 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0486	.2000	ppb	.0000 %

*** Sample ID: HEN6XT Seq: 118 14:21:47 08 Jul 2005 HG

WATER

Hg .0100 ppb .0000 % .0100

*** Sample ID: HEN7AT Seq: 119 14:23:17 08 Jul 2005 HG

WATER

Hg -.0200 ppb .0000 % -.0200

*** Sample ID: HEN7ET Seq: 120 14:24:22 08 Jul 2005 HG

WATER

Hg .0930 ppb .0000 % .0930

*** Sample ID: HEN7JT Seq: 121 14:25:31 08 Jul 2005 HG

WATER

Hg .0172 ppb .0000 % .0172

*** Sample ID: HERA9T Seq: 122 14:26:37 08 Jul 2005 HG

WATER

Hg .0055 ppb .0000 % .0055

*** Sample ID: HER44T Seq: 123 14:27:58 08 Jul 2005 HG

WATER

Hg .0524 ppb .0000 % .0524

*** Sample ID: HER5ET Seq: 124 14:29:03 08 Jul 2005 HG

WATER

Hg 1.875 ppb .0000 % 1.875

*** Sample ID: HEXWNBT Seq: 125 14:30:08 08 Jul 2005 HG

5189040

Hg -.0311 ppb .0000 % -.0311

14:31:47 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HE3A3BT Seq: 126 14:31:47 08 Jul 2005 HG

WATER

Hg .0005 ppb .0000 % .0005

*** Sample ID: HE3A3CT Seq: 127 14:32:55 08 Jul 2005 HG

WATER

Hg 5.083 ppb .0000 % 5.083

*** Check Standard: 2 Ck2CCV Seq: 128 14:34:31 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.7	5.337	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 129 14:35:55 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0516	.2000	ppb	.0000 %

*** Sample ID: HET19T Seq: 130 14:38:04 08 Jul 2005 HG

WATER

Hg .0085 ppb .0000 % .0085

*** Sample ID: HET19TS Seq: 131 14:39:16 08 Jul 2005 HG

WATER

Hg 4.927 ppb .0000 % 4.927

*** Sample ID: HET19TD Seq: 132 14:40:27 08 Jul 2005 HG

WATER

Hg 5.025 ppb .0000 % 5.025

*** Sample ID: HEVV3T Seq: 133 14:41:36 08 Jul 2005 HG

WATER

Hg -.0164 ppb .0000 % -.0164

*** Sample ID: HENFWT Seq: 134 14:42:41 08 Jul 2005 HG

WATER

Hg -.0077 ppb .0000 % -.0077

*** Sample ID: HENGGT Seq: 135 14:43:58 08 Jul 2005 HG

WATER

Hg 2.544 ppb .0000 % 2.544

*** Sample ID: HEXXHBT Seq: 136 14:45:08 08 Jul 2005 HG

5189039

Hg .0324 ppb .0000 % .0324

*** Sample ID: HE3AXBT Seq: 137 14:46:27 08 Jul 2005 HG

WATER

Hg -.0369 ppb .0000 % -.0369

14:47:43 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HE3AXCT Seq: 138 14:47:43 08 Jul 2005 HG

WATER

Hg 4.761 ppb .0000 % 4.761

*** Sample ID: HEVV0T Seq: 139 14:49:01 08 Jul 2005 HG

WATER

Hg .0655 ppb .0000 % .0655

*** Check Standard: 2 Ck2CCV Seq: 140 14:50:26 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.2	5.360	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 141 14:51:30 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0490	.2000	ppb	.0000 %

*** Sample ID: HEVV0TS Seq: 142 14:52:37 08 Jul 2005 HG

WATER

Hg 5.343 ppb .0000 % 5.343

*** Sample ID: HEVV0TD Seq: 143 14:54:12 08 Jul 2005 HG

WATER

Hg 5.022 ppb .0000 % 5.022

*** Sample ID: HE3CGB Seq: 144 14:55:29 08 Jul 2005 HG

5189050

Hg -.0300 ppb .0000 % -.0300

*** Sample ID: HE3CGC Seq: 145 14:56:37 08 Jul 2005 HG

WATER

Hg 5.100 ppb .0000 % 5.100

*** Sample ID: HEPTW Seq: 146 14:57:42 08 Jul 2005 HG

WATER

Hg -.0802 ppb .0000 % -.0802

*** Sample ID: HEPTWS Seq: 147 14:58:52 08 Jul 2005 HG

WATER

Hg 1.093 ppb .0000 % 1.093

*** Sample ID: HEPTWD Seq: 148 15:00:32 08 Jul 2005 HG

WATER

Hg 1.117 ppb .0000 % 1.117

*** Sample ID: HEPVE Seq: 149 15:01:47 08 Jul 2005 HG

WATER

Hg -.0336 ppb .0000 % -.0336

15:03:07 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEPVF Seq: 150 15:03:07 08 Jul 2005 HG

WATER

Hg -.0040 ppb .0000 % -.0040

*** Sample ID: HEPVG Seq: 151 15:04:16 08 Jul 2005 HG

WATER

Hg .0183 ppb .0000 % .0183

*** Check Standard: 2 Ck2CCV Seq: 152 15:05:25 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.2	5.361	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 153 15:06:41 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0053	.2000	ppb	.0000 %

*** Sample ID: HEPVH Seq: 154 15:08:07 08 Jul 2005 HG

WATER

Hg -.0496 ppb .0000 % -.0496

*** Sample ID: HEPVJ Seq: 155 15:09:25 08 Jul 2005 HG

WATER

Hg -.0105 ppb .0000 % -.0105

*** Sample ID: HEPVK Seq: 156 15:10:41 08 Jul 2005 HG

WATER

Hg -.0604 ppb .0000 % -.0604

*** Sample ID: HEPVL Seq: 157 15:12:48 08 Jul 2005 HG

WATER

Hg -.0625 ppb .0000 % -.0625

*** Sample ID: HEPVM Seq: 158 15:14:47 08 Jul 2005 HG

WATER

Hg -.0141 ppb .0000 % -.0141

*** Sample ID: HEPVN Seq: 159 15:15:55 08 Jul 2005 HG

WATER

Hg -.0327 ppb .0000 % -.0327

*** Sample ID: HEPVQ Seq: 160 15:17:01 08 Jul 2005 HG

WATER

Hg -.0103 ppb .0000 % -.0103

*** Sample ID: HEPVR Seq: 161 15:18:10 08 Jul 2005 HG

WATER

Hg -.0312 ppb .0000 % -.0312

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEPVT Seq: 162 15:19:20 08 Jul 2005 HG

WATER

Hg -.0650 ppb .0000 % -.0650

*** Sample ID: HEPVV Seq: 163 15:21:26 08 Jul 2005 HG

WATER

Hg -.0313 ppb .0000 % -.0313

*** Check Standard: 2 Ck2CCV Seq: 164 15:22:33 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.4	5.319	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 165 15:23:53 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0023	.2000	ppb	.0000 %

*** Sample ID: HE3CMB Seq: 166 15:25:09 08 Jul 2005 HG

5189055

Hg -.0152 ppb .0000 % -.0152

*** Sample ID: HE3CMC Seq: 167 15:26:17 08 Jul 2005 HG

WATER

Hg 4.848 ppb .0000 % 4.848

*** Sample ID: HET99 Seq: 168 15:27:29 08 Jul 2005 HG

WATER

Hg .0064 ppb .0000 % .0064

*** Sample ID: HET9G Seq: 169 15:28:37 08 Jul 2005 HG

WATER

Hg -.0453 ppb .0000 % -.0453

*** Sample ID: HET9GS Seq: 170 15:29:43 08 Jul 2005 HG

WATER

Hg .9950 ppb .0000 % .9950

*** Sample ID: HET9GD Seq: 171 15:31:31 08 Jul 2005 HG

WATER

Hg 1.045 ppb .0000 % 1.045

*** Sample ID: HEVA1 Seq: 172 15:32:40 08 Jul 2005 HG

WATER

Hg -.0127 ppb .0000 % -.0127

*** Sample ID: HEVA4 Seq: 173 15:33:56 08 Jul 2005 HG

WATER

Hg -.0021 ppb .0000 % -.0021

15:35:02 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEVA8 Seq: 174 15:35:02 08 Jul 2005 HG

WATER

Hg .0443 ppb .0000 % .0443

*** Sample ID: HEVAA Seq: 175 15:36:08 08 Jul 2005 HG

WATER

Hg -.0326 ppb .0000 % -.0326

*** Check Standard: 2 Ck2CCV Seq: 176 15:37:35 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.4	5.320	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 177 15:38:44 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0428	.2000	ppb	.0000 %

*** Sample ID: HEVAC Seq: 178 15:40:05 08 Jul 2005 HG

WATER

Hg -.0213 ppb .0000 % -.0213

*** Sample ID: HEVAE Seq: 179 15:41:21 08 Jul 2005 HG

WATER

Hg -.0051 ppb .0000 % -.0051

*** Sample ID: HEVAF Seq: 180 15:42:30 08 Jul 2005 HG

WATER

Hg -.0392 ppb .0000 % -.0392

*** Sample ID: HEVAG Seq: 181 15:43:49 08 Jul 2005 HG

WATER

Hg -.0282 ppb .0000 % -.0282

*** Sample ID: HEVAH Seq: 182 15:44:57 08 Jul 2005 HG

WATER

Hg .0130 ppb .0000 % .0130

*** Sample ID: HEVAJ Seq: 183 15:46:15 08 Jul 2005 HG

WATER

Hg .0022 ppb .0000 % .0022

*** Sample ID: HEVAL Seq: 184 15:48:18 08 Jul 2005 HG

WATER

Hg .0219 ppb .0000 % .0219

*** Sample ID: HEVAP Seq: 185 15:49:38 08 Jul 2005 HG

WATER

Hg -.0022 ppb .0000 % -.0022

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEVAQ Seq: 186 15:50:44 08 Jul 2005 HG

WATER

Hg -.0133 ppb .0000 % -.0133

*** Sample ID: HEVAT Seq: 187 15:52:12 08 Jul 2005 HG

WATER

Hg .0035 ppb .0000 % .0035

*** Check Standard: 2 Ck2CCV Seq: 188 15:53:22 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.6	5.329	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 189 15:54:29 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0672	.2000	ppb	.0000 %

*** Sample ID: HEVAW Seq: 190 15:55:37 08 Jul 2005 HG

WATER

Hg -.0781 ppb .0000 % -.0781

*** Sample ID: HEVCC Seq: 191 15:56:55 08 Jul 2005 HG

WATER

Hg -.0993 ppb .0000 % -.0993

*** Sample ID: HEVCE Seq: 192 15:58:14 08 Jul 2005 HG

WATER

Hg -.0594 ppb .0000 % -.0594

*** Sample ID: CRA\MRL Seq: 193 15:59:34 08 Jul 2005 HG

WATER

Hg .2289 ppb .0000 % .2289

*** Check Standard: 2 Ck2CCV Seq: 194 16:00:40 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.6	5.330	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 195 16:01:56 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0454	.2000	ppb	.0000 %

SCAL	STD 5K284	ICSA	STD 5F344	CAL1/CRI	STD
SCAL2	STD 5E283	ICSAB	STD 5G378	CAL2 (2X)- CAL3	STD
CRI	STD 5G367	ICV	STD 5F313	SCAL (2X)- CAL 2	STD
CLP CRI	STD —	CCV	STD 5G381	ICSAB 4.0	STD

STL North Canton ICP Data Review Checklist

Run/Project Information:

Run Date: 7/12/05 Analyst: PSD Instrument: I5

Prep Batches Run: SEE RUN LOG

Circle Methods used: (6010B / 200.7:) CORP-MT-0001 Rev 3.2
CLP ILM04.0: CORP-MT-0002 Rev 1.1
6010A/200.7: CORP-MT-0001NC, Rev 2

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions (2 exposures/sample) and at SOP specified levels ?	/			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? *(ICV (2nd source):200.7=95 –105%, 6010B/CLP, 90-110%) (CCV: 90 – 110%)*	/			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	/			✓
4. High Std. (HCAL) reanalyzed before samples and recovered within QC limits ? (6010A 95-105%, CLP,6010B- N/A)			/	
5. CRI run at SOP or project-specific frequency? Recovered within QC limits? (6010A +/- 50%, project specific limits may vary)	/			✓
6. ICSA/ICSAB run at required frequency and within SOP limits ?	/			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?	/			✓
2. All reported results bracketed by in control QC ?	/			✓
3. Sample analyses done within holding time ?	/			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	/			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	/			✓
3. MS/MSD run at required frequency and within limits ?	/			✓
4. MSD or DU run at required frequency and RPD within SOP limits ?	/			✓
5. Serial dilution done per prep batch (or per SDG for CLP) ?	/			✓
6. Post digest spike analyzed if required?	/			✓
D. Other	/			
1. Are all nonconformances documented appropriately ?	/			✓
2. Current IDL/MDL/LR/IEC data on file ?	/			✓
3. Calculations checked for error ?	/			✓
4. Transcriptions checked for error ?	/			✓
5. All client/project specific requirements met ?	/			✓
6. Date/time of analysis verified as correct ?	/			✓

Level I Analyst: [signature] Date: 7/13/05 Time: 1146-11:30
Comments: [signature] 7/13/05 1201 - 1226
BCD 7/14/05

Level II Reviewer: [signature] Date: 7.13.05 Time: 11:46 - 11:30
Comments: [signature] 7.14.05 12:01 - 12:26

n: /metals/icpchk.doc
Revision 2.0, 05/13/05

Clouseau
Nonconformance Memo

SEVERN TRENT STL

NCM #: 01-10836
NCM Initiated By: Dorothy Leeson
Date Opened: 03/05/2004
Date Closed: 03/08/2004

Classification: Anomaly
Status: CLOSED
Production Area: Metals
Tests: None
Lot #'s (Sample #'s): ,
QC Batches: None.,

Nonconformance: Other (describe in detail)
Subcategory: Other (explanation required)

Problem Description / Root Cause

Name	Date	Description
Dorothy Leeson	03/05/2004	Stock standard solutions used for ICP ICSA solutions commonly have low level contamination for certain elements, especially zinc.

Verified contamination is not corrected by interelement correction factors (IEC's) since instrumental determination of the presence of the analyte is due not to spectral interference but due to actual presence of the element in the solution. Contamination can be verified by performing a wavelength scan of the standard solution. If contamination exists, the peak apex will be directly at the expected wavelength for the element of concern. If the presence of the analyte is due to interference from another analyte which produces a peak near the element of concern, the peak apex of the interfering analyte will not be exactly at the wavelength for the element of concern, and an IEC would be generated.

If contamination for an element such as zinc is suspected, an IEC would be inappropriate, and the concentration during analysis of the daily ICSA solution may exceed SOP criteria. In these cases, this NCM will be referenced and a copy of this NCM will be included with the run.

Zinc contamination in ICSA stock solutions has been verified in this lab at various times with wavelength scans. Similarly, contamination for other elements has been verified when suspected. An example scan is included with the I6 ICP analytical run from 4/3/01.

Corrective Action

Name	Date	Corrective Action
Dorothy Leeson	03/05/2004	

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note
	Response	Response Note			

Quality Assurance Verification

Verified By	Due Date	Status	Notes
LAMBERTB		Verified/completed	

Method: TOTAL Sample Name: STD1-Blank Operator:
Run Time: 07/12/05 11:46 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	count	count	count	count	count	count
Avge	-.00029	.06054	-.0058	.00225	.00069	.00406
SDev	.00154	.00008	.00188	.0001	.00014	0
%RSD	520.356	.14423	32.402	4.80705	20.345	.14497

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	count	count	count	count	count	count
Avge	.01143	-.00433	-.00064	.00208	.00948	-.00044
SDev	.00001	.00272	.00006	.00042	.00002	.00006
%RSD	.14497	62.9173	10.7344	20.345	.22427	15.5703

Elems	K	Mg	Mn	Mo	Na	Ni
Units	count	count	count	count	count	count
Avge	.01396	.00903	.002	.00027	.0024	.00128
SDev	.00051	.00032	.00003	.00003	.00003	0
%RSD	3.65534	3.63197	1.89089	13.0002	1.6029	.14497

Elems	Sn	Ti	Tl	V	Zn	2203\1
Units	count	count	count	count	count	count
Avge	.00215	-.00007	-.02786	.00019	.00336	.0125
SDev	.00087	.0001	.00714	.0002	.00014	.00117
%RSD	40.7713	141.421	25.6589	106.003	4.30429	9.38573

Elems	2203\2	1960\1	1960\2	2068/2	2068/1	Y_3710
Units	count	count	count	count	count	count
Avge	-.00606	-.02976	.01161	.00084	-.02007	5
SDev	.00471	.00935	.00166	.00021	.00448	0
%RSD	77.825	31.4341	14.3158	25.0971	22.3535	0

Elems	*Y
Units	
Avge	20193.1
SDev	29.2745
%RSD	.14497

Method: TOTAL Sample Name: CALSTD Operator:
Run Time: 07/12/05 11:51 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	As	B	Ba	Be	Cd
Units	count	count	count	count	count	count
Avge	7.41986	5.22916	2.70957	4.15939	15.57	29.8282
SDev	.00329	.03506	.00906	.00456	.01688	.03314
%RSD	.04435	.67055	.33468	.10965	.10844	.11112

Elems	Co	Cr	Cu	Mn	Mo	Ni
Units	count	count	count	count	count	count
Avge	5.50551	6.24713	3.10468	17.0838	1.09934	2.48199
SDev	.00858	.00918	.00097	.0405	.00424	.00397
%RSD	.15597	.14698	.03136	.2371	.38598	.16005

Elems	Sn	Ti	Tl	V	Zn	2203\1
Units	count	count	count	count	count	count
Avge	9.99731	3.0073	6.79383	4.67497	8.41778	4.23104
SDev	.01911	.00385	.04227	.00682	.01265	.00585
%RSD	.19121	.12814	.62228	.14591	.15031	.13834

Elems	2203\2	1960\1	1960\2	2068/2	2068/1	*Y
Units	count	count	count	count	count	
Avge	5.93062	2.17542	2.4889	.40762	4.18323	19860
SDev	.01964	.00428	.01041	.00042	.00854	22.6274
%RSD	.33126	.19703	.41863	.10519	.20415	.11393

Method: TOTAL Sample Name: CAL 2 Operator:
Run Time: 07/12/05 11:56 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al	Ca	Fe	K	Mg	Na
Units	count	count	count	count	count	count
Avge	9.48192	8.52854	4.85375	14.8922	19.0796	.84056
SDev	.00568	.01066	.00504	.00341	.01476	.00024
%RSD	.05996	.12505	.10392	.02295	.07738	.02908

Elems	*Y
Units	
Avge	19949.6
SDev	22.6274
%RSD	.11342

Method: TOTAL Sample Name: ICV Operator: KLC
Run Time: 07/12/05 12:00 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	488.8	12620.	243.86	958.1	963.0	1022.
SDev	.6498	12.98	1.4528	.3055	1.051	1.556
%RSD	.1329	.1029	.59573	.0319	.1092	.1523

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25020.	252.8	1002.	1008.	1016.	12730.
SDev	59.61	.4838	1.777	1.257	1.384	5.739
%RSD	.2383	.1914	.1774	.1246	.1362	.0451

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24940.	24020.	990.6	981.7	23820.	1011.
SDev	62.36	70.56	1.629	2.003	156.5	3.247
%RSD	.25	.2938	.1644	.204	.6569	.3212

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	249.34	255.52	250.23	991.0	1016.	503.50
SDev	2.5339	.99348	2.402	.0811	1.48	.23741
%RSD	1.0163	.3888	.95993	.0082	.1456	.04715

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	982.2	998.5	253.91	256.33	251.82	248.10
SDev	.6194	1.716	.94794	1.9627	.82187	3.3887
%RSD	.0631	.1719	.37333	.76571	.32636	1.3659

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	249.11	250.79	5.0000	20269.4
SDev	.77216	3.2157	0	50.3454
%RSD	.30997	1.2823	0	.24838

Method: TOTAL Sample Name: ICB Operator: KLC
Run Time: 07/12/05 12:07 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3820	6.927	-.53337	4.003	.4342	.4770
SDev	.2975	3.574	.81016	1.135	.1648	.1665
%RSD	77.88	51.6	151.9	28.35	37.95	34.91

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	39.87	.0438	.1492	.0875	.4939	1.573
SDev	4.306	.0279	.3505	.1557	.0344	1.416
%RSD	10.8	63.65	234.9	178	6.966	90.05

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	166.7	16.48	.4487	.8707	-240.4	.2800
SDev	2.335	1.393	.1364	.6284	173.3	1.442
%RSD	1.401	8.455	30.4	72.18	72.07	515.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.93124	1.0600	-.77890	.5978	.8137	1.4114
SDev	1.7069	.14138	.3033	.7215	.1141	.67459
%RSD	183.29	13.338	38.939	120.7	14.02	47.796

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4143	.9743	.72190	1.2287	3.6807	-.44143
SDev	.1173	.0217	.53705	.48009	7.0718	.97156
%RSD	28.31	2.233	74.393	39.072	192.13	220.09

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.19728	-1.0693	5.0000	20525.5
SDev	.75613	.83222	0	16.8297
%RSD	383.26	77.831	0	.08199

Method: TOTAL Sample Name: CRI\MRL Operator: KLC
Run Time: 07/12/05 12:12 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.792	204.1	14.622	191.1	9.959	5.238
SDev	.2033	.1666	.2025	.3412	.015	.0693
%RSD	4.243	.0816	1.3849	.1785	.1506	1.324

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5034.	5.040	5.070	4.715	15.39	297.6
SDev	.0684	.082	.0423	.2769	.2645	1.986
%RSD	.0014	1.627	.8353	5.874	1.719	.6674

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4864.	4737.	15.30	10.55	4837.	25.29
SDev	7.853	3.301	.078	.4824	103.4	.4917
%RSD	.1614	.0697	.51	4.572	2.138	1.944

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.818	10.131	8.9659	101.7	51.09	15.555
SDev	2.4701	.34453	1.5203	.9955	.2571	.76023
%RSD	11.321	3.4009	16.956	.9785	.5032	4.8874

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.044	40.75	9.1007	10.645	27.034	19.215
SDev	.2483	.2932	.52745	.77987	3.2848	2.0634
%RSD	3.525	.7195	5.7958	7.3263	12.15	10.739

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	8.8787	9.0095	5.0000	20501.6
SDev	2.6453	.95855	0	35.0722
%RSD	29.794	10.639	0	.17107

Method: TOTAL Sample Name: ICSA Operator: KLC
Run Time: 07/12/05 12:19 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6893	489300.	-.00049	-1.377	2.381	.0632
SDev	.1176	244.2	1.5285	1.214	.034	.0282
%RSD	17.07	.0499	310500	88.14	1.426	44.69

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	479000.	-.0815	4.229	4.496	5.490	191000.
SDev	277.6	.1082	.025	.3012	.0415	89.22
%RSD	.0579	132.8	.5908	6.699	.7564	.0467

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157.4	500800.	13.27	-1.237	-201.9	4.777
SDev	3.55	43.2	.0218	1.724	37.97	.6437
%RSD	2.256	.0086	.1646	139.4	18.81	13.47

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.0283	3.6163	-.10308	-1.666	-7.548	.30170
SDev	6.2245	1.1136	1.0931	.1095	.3662	.00112
%RSD	205.54	30.794	1060.4	6.573	4.851	.37371

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4561	Q30.74	-8.0232	9.4274	15.458	-12.258
SDev	.2183	.175	1.1022	1.1193	11.716	3.4826
%RSD	47.86	.5694	13.738	11.873	75.796	28.412

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5336	.61111	5.0000	19409.5
SDev	3.221	.03078	0	6.93019
%RSD	210.03	5.0374	0	.0357

Method: TOTAL Sample Name: ICSAB Operator: KLC
Run Time: 07/12/05 12:24 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	994.6	477600.	980.33	1004.	499.8	491.1
SDev	5.007	2887	8.0769	3.416	3.337	3.205
%RSD	.5034	.6045	.82389	.3403	.6677	.6526

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	467800.	933.4	471.4	479.3	502.4	186600.
SDev	2933	6.088	2.912	2.982	3.878	1112
%RSD	.6269	.6523	.6177	.6222	.7719	.596

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10440.	488900.	477.7	952.9	9811.	930.0
SDev	39.63	3910	2.952	4.706	110.8	4.366
%RSD	.3797	.7998	.6179	.4938	1.129	.4694

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	936.99	943.46	961.29	956.0	989.4	934.25
SDev	1.2928	3.1051	2.4436	6.984	6.045	7.0208
%RSD	.13797	.32912	.2542	.7305	.611	.75148

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	473.9	1021.	928.80	950.77	952.82	929.09
SDev	1.827	7.965	10.901	.78699	3.1993	.34095
%RSD	.3856	.7804	1.1737	.08277	.33577	.03669

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	956.47	963.70	5.0000	19514
SDev	9.2178	.93839	0	109.742
%RSD	.96372	.09737	0	.56237

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 12:30 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	976.3	24670.	494.19	4991.	1997.	2030.
SDev	.4703	48.8	1.7752	12.01	.5716	.2979
%RSD	.0482	.1978	.35921	.2407	.0286	.0147

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49560.	503.9	2015.	1996.	1993.	25110.
SDev	71.02	.4229	.6846	.9822	.7927	4.225
%RSD	.1433	.0839	.034	.0492	.0398	.0168

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49720.	48810.	2007.	1977.	46440.	1997.
SDev	133.2	137.1	.7862	2.933	155.3	3.188
%RSD	.2678	.281	.0392	.1484	.3344	.1596

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.54	501.06	493.40	4986.	4993.	1007.3
SDev	.04009	1.6248	1.9043	4.133	2.471	.46511
%RSD	.00794	.32427	.38594	.0829	.0495	.04617

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1983.	2022.	499.67	501.75	506.24	503.69
SDev	1.536	.1135	2.1971	1.3391	1.1432	.63086
%RSD	.0774	.0056	.43969	.26689	.22582	.12524

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.54	494.83	5.0000	20334.6
SDev	.79614	2.4575	0	10.1826
%RSD	.16229	.49662	0	.05007

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 12:37 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2180	56.23	-.83170	11.56	.6513	.6299
SDev	.3823	11.09	.25851	.5453	.202	.2342
%RSD	175.4	19.73	31.082	4.716	31.01	37.17

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	97.28	.1396	.6812	.0003	1.154	17.45
SDev	15.02	.1511	.453	.4235	.3806	10.35
%RSD	15.44	108.3	66.49	125400	32.99	59.33

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.4	40.26	.6077	.9688	-52.72	1.396
SDev	4.605	14.85	.1963	.7592	29.16	.2291
%RSD	2.751	36.88	32.3	78.36	55.32	16.41

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2239	.07163	.08673	.6846	1.875	1.7868
SDev	.87433	.00776	.69321	.4896	.6932	1.5077
%RSD	71.441	10.836	799.19	71.52	36.98	84.381

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4589	1.211	.67276	-.22848	3.2431	.21576
SDev	.4747	.2008	2.0427	1.0315	2.9278	.15083
%RSD	103.4	16.58	303.62	451.44	90.277	69.91

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.87434	-.30647	5.0000	20432.1
SDev	.59525	.74211	0	34.9314
%RSD	68.081	242.15	0	.17096

Method: TOTAL Sample Name: HE01DB 5188014 Operator: KLC
Run Time: 07/12/05 12:56 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1320	1.150	1.1405	1.574	.2154	-.0011
SDev	.2762	3.429	.22281	.1155	.0666	.0186
%RSD	209.3	298.2	19.536	7.338	30.93	1728

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	197.0	-.0722	.2925	-.4822	1.689	7.571
SDev	1.558	.0344	.099	.1959	.2358	4.215
%RSD	.7906	47.63	33.83	40.64	13.96	55.67

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	165.8	16.66	.4460	-.3765	-443.6	-.4412
SDev	2.284	.2893	.017	.3721	112.4	.332
%RSD	1.378	1.737	3.81	98.82	25.34	75.25

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0892	-.15095	-.28820	-.7311	.2467	2.3922
SDev	1.0065	.45246	1.4752	.1009	0	1.9848
%RSD	92.408	299.75	511.85	13.81	0	82.969

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1814	9.643	-1.2508	.39812	5.3796	-1.0528
SDev	.0296	.239	.81011	1.0828	2.3215	2.668
%RSD	16.31	2.478	64.77	271.98	43.154	253.41

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.7869	.95926	5.0000	20713.7
SDev	1.0735	2.7477	0	22.2034
%RSD	38.521	286.43	0	.10719

Method: TOTAL Sample Name: HE01DC Operator: KLC
Run Time: 07/12/05 13:01 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49.44	1865.	1800.3	875.9	1780.	46.72
SDev	.334	3.763	.57478	2.571	1.121	.0467
%RSD	.6756	.2018	.03192	.2935	.0629	.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44500.	45.88	455.6	183.9	233.8	1023.
SDev	23.54	.1023	.0283	.8557	.0189	2.671
%RSD	.0529	.2229	.0062	.4654	.0081	.2612

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49480.	42700.	450.4	886.0	43050.	448.9
SDev	91.14	9.093	.2057	3.997	119.3	.9302
%RSD	.1842	.0213	.0457	.4512	.2772	.2072

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1854.9	456.14	427.93	1822.	922.0	1814.5
SDev	1.8308	.10934	19.094	5.536	.0055	5.5616
%RSD	.09869	.02397	4.4618	.3039	.0006	.30651

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	451.4	478.8	453.31	457.55	1846.1	1859.3
SDev	.0769	.7278	1.2234	.77469	3.8527	4.6683
%RSD	.017	.152	.26987	.16931	.20868	.25107

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	431.03	426.39	5.0000	20637.6
SDev	8.5645	24.35	0	61.0943
%RSD	1.987	5.7107	0	.29603

Method: TOTAL Sample Name: HE0FM Operator: KLC
Run Time: 07/12/05 13:07 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1327	164.7	2.7601	263.5	2.943	.0612
SDev	.0093	.4396	.47267	.3143	.4949	.0272
%RSD	6.997	.267	17.125	.1193	16.82	44.38

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61850.	.0258	.6032	.1116	2.965	203.6
SDev	48.26	.0002	.1991	.1101	.1807	9.566
%RSD	.078	.7494	33.01	98.58	6.092	4.699

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16890.	7742.	183.9	104.2	208200.	184.1
SDev	60.78	14.62	.0842	.2746	812.1	.0106
%RSD	.36	.1888	.0458	.2634	.3901	.0057

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9918	.61136	2.4117	50.56	2.501	1.6160
SDev	.97856	.0274	.94622	2.274	.456	.91612
%RSD	49.128	4.4829	39.235	4.497	18.23	56.689

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7437	224.7	-1.1492	1.4904	7.5194	-.76780
SDev	.3222	.0044	1.21	.56297	2.599	.16954
%RSD	43.33	.0019	105.28	37.775	34.564	22.081

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6835	2.7753	5.0000	20650.1
SDev	.82205	1.0082	0	4.94974
%RSD	48.831	36.329	0	.02396

Method: TOTAL Sample Name: HEQ4D Operator: KLC
Run Time: 07/12/05 13:12 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2721	6.793	18.923	238.6	39.17	.0080
SDev	.4641	3.674	.04654	1.57	.0279	.0154
%RSD	170.6	54.09	.24597	.6582	.0712	191.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	272300.	.0649	5.278	.7400	.6922	25460.
SDev	358.8	.0318	.1401	.185	.2162	34.43
%RSD	.1318	48.99	2.655	25	31.23	.1352

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12010.	127100.	1288.	3.957	21250.	7.124
SDev	33.31	213.2	1.77	.013	229.2	1.043
%RSD	.2774	.1677	.1374	.3274	1.079	14.64

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.03131	.35737	.92950	-1.809	-4.289	.60856
SDev	.26537	.58801	.00813	.35	.1288	.21483
%RSD	847.56	164.54	.87477	19.35	3.003	35.302

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6969	4.569	-1.1258	1.0978	7.1365	-3.5160
SDev	.0895	.0704	2.5503	.39163	.34892	.57207
%RSD	12.84	1.541	226.53	35.673	4.8893	16.271

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3915	.69885	5.0000	20159.1
SDev	.43142	.20319	0	54.1641
%RSD	31.004	29.076	0	.26868

Method: TOTAL Sample Name: HEQ4K Operator: KLC
Run Time: 07/12/05 13:17 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2109	13.93	-.27359	326.9	262.8	-.0055
SDev	.0098	1.195	.56965	1.095	.3869	.0015
%RSD	4.646	8.582	208.21	.3349	.1472	27.47

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	147300.	.0154	.9877	1.207	.5436	2596.
SDev	190	.0616	.177	.3838	.062	5.156
%RSD	.129	400.1	17.92	31.81	11.4	.1986

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27090.	79970.	34.46	.8327	65150.	1.866
SDev	40.57	23.8	.0349	.5108	70.77	.051
%RSD	.1498	.0298	.1013	61.35	.1086	2.734

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.37690	-.08746	1.0450	2.168	-1.724	.54829
SDev	2.5326	.9144	.17834	.2388	.0026	.57591
%RSD	671.95	1045.5	17.067	11.01	.1533	105.04

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6278	5.325	-.55684	.14687	5.4430	-3.2825
SDev	.387	.2737	1.5857	2.1626	7.0399	.28234
%RSD	61.64	5.14	284.76	1472.4	129.34	8.6015

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3227	.90636	5.0000	20244.2
SDev	.85013	.15704	0	27.1532
%RSD	64.272	17.327	0	.13412

Method: TOTAL Sample Name: HEQ4Q Operator: KLC
Run Time: 07/12/05 13:22 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3227	20.26	250.81	17960.	218.4	.0066
SDev	.2082	1.535	.76391	79.91	.2024	.009
%RSD	64.5	7.578	.30457	.4448	.0927	137

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	140900.	-.0251	.4667	1.269	.7868	3081.
SDev	42.48	.1169	.0513	.2244	.4558	1.917
%RSD	.0301	466.4	10.98	17.68	57.92	.0622

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36120.	152900.	195.0	82.29	102300.	4.884
SDev	49.53	.2431	.2081	.2425	226.2	1.246
%RSD	.1371	.0001	.1067	.2947	.2211	25.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2154	-.25945	.57649	.5745	-.4132	2.5972
SDev	.44546	1.1487	.67709	.7025	.0001	.23602
%RSD	20.107	442.73	117.45	122.3	.0246	9.0876

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.718	2.092	-1.1012	.16079	8.3015	-.82304
SDev	.4207	.1421	1.3495	2.3959	.00052	.66812
%RSD	11.31	6.793	122.55	1490.1	.00632	81.177

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.97320	1.3502	5.0000	20154.2
SDev	.33686	1.1833	0	3.11154
%RSD	34.613	87.64	0	.01543

Method: TOTAL Sample Name: HEQ4T Operator: KLC
Run Time: 07/12/05 13:27 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2293	20.71	1.7551	98.65	12.63	.0075
SDev	.227	1.937	2.9688	9.745	.031	.0093
%RSD	98.99	9.354	169.15	9.878	.2451	123.6

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60240.	.0184	.6245	.4959	1.473	21.04
SDev	69.7	.0474	.1786	.2469	.1333	3.259
%RSD	.1157	257.2	28.6	49.78	9.049	15.48

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5762.	137400.	11.11	61.96	170100.	25.25
SDev	2.978	22.95	.0353	.141	463	.2772
%RSD	.0517	.0167	.3178	.2276	.2722	1.098

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8808	.05474	.03153	.3518	-.9085	.84387
SDev	.38267	.8556	.64568	.1048	.0002	2.1702
%RSD	20.346	1563	2047.8	29.79	.0268	257.18

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6841	2.726	-2.3865	1.2735	9.2086	-1.7776
SDev	.1503	.12	.73973	.91344	4.1321	1.4892
%RSD	21.97	4.403	30.997	71.726	44.872	83.776

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.60248	.34806	5.0000	20148
SDev	1.2642	.33688	0	4.24264
%RSD	209.83	96.788	0	.02105

Method: TOTAL Sample Name: HEQ4X Operator: KLC
Run Time: 07/12/05 13:31 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4225	10.84	2.1401	399.3	586.9	.0084
SDev	.2727	4.294	.16968	3.553	1.125	.0019
%RSD	64.54	39.63	7.9285	.89	.1916	22.78

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	153100.	.0743	-.6473	.2268	.2430	4146.
SDev	370.9	.0148	.3031	.451	.0667	3.973
%RSD	.2423	19.89	46.83	198.9	27.44	.0958

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3940.	107500.	17.89	6.254	98840.	3.310
SDev	9.844	379.5	.073	.522	60.74	.047
%RSD	.2498	.353	.4079	8.346	.0615	1.421

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0619	-.22293	1.1364	-.9668	-2.386	.90648
SDev	1.9768	1.1268	2.1276	1.052	.0046	1.8637
%RSD	186.15	505.44	187.22	108.8	.1923	205.6

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8285	2.690	-1.0643	.19712	10.282	-3.5411
SDev	.3002	.1421	.64838	2.013	2.0783	1.9261
%RSD	36.24	5.282	60.921	1021.2	20.213	54.392

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.04263	1.6825	5.0000	20209.1
SDev	1.0051	2.688	0	35.2131
%RSD	2357.6	159.77	0	.17424

Method: TOTAL Sample Name: HEQ41 Operator: KLC
Run Time: 07/12/05 13:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1548	53.05	1.2638	87.11	14.88	.0023
SDev	.9875	5.428	.88831	1.778	.0588	.0109
%RSD	637.8	10.23	70.29	2.042	.3955	468.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	57530.	.0413	1.287	-.3203	1.171	26.54
SDev	44.2	.0349	.1028	.2252	.2925	.3224
%RSD	.0768	84.65	7.991	70.31	24.97	1.215

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5783.	135500.	20.52	64.75	176500.	26.77
SDev	7.606	69.42	.0096	.1069	117.9	.2344
%RSD	.1315	.0512	.0469	.1651	.0668	.8757

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8429	.25090	.09982	-.1583	-.4916	.19716
SDev	.84297	.77792	.46737	2.615	.1148	1.4005
%RSD	45.742	310.05	468.19	1653	23.36	710.34

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9762	3.399	-.23704	.49451	4.8206	.35628
SDev	.1506	.0933	1.3254	.50459	2.6833	2.6035
%RSD	15.42	2.744	559.15	102.04	55.664	730.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.03829	.13054	5.0000	20262.3
SDev	1.4308	.01363	0	32.9509
%RSD	3736.1	10.441	0	.16262

Method: TOTAL Sample Name: HEQ45 Operator: KLC
Run Time: 07/12/05 13:41 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0733	30.11	1.1835	231.1	97.57	.0056
SDev	.2516	1.63	.41721	.1449	.1159	.0099
%RSD	343.2	5.413	35.252	.0627	.1188	174.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29430.	.0356	.2546	1.048	.7838	36.78
SDev	20.41	.0044	.2008	.0479	.1539	.7583
%RSD	.0694	12.41	78.86	4.57	19.64	2.062

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1781.	45280.	.6921	16.09	29430.	.9191
SDev	13.42	13.76	.0225	.2777	182.6	.5528
%RSD	.7538	.0304	3.253	1.726	.6206	60.15

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.44370	.19179	-.50532	-1.251	.0026	1.3118
SDev	.44089	.10075	1.3632	.1024	.3452	.49979
%RSD	99.367	52.533	269.76	8.183	13100	38.099

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4377	4.801	-1.4608	1.0169	7.2572	-2.9579
SDev	.2066	.1027	.23106	.03569	1.0626	1.1915
%RSD	47.21	2.138	15.818	3.5106	14.642	40.281

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.63025	-.44296	5.0000	20454.1
SDev	.17196	2.1296	0	31.2549
%RSD	27.286	480.77	0	.1528

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 13:48 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	978.6	24660.	493.40	5019.	2000.	2035.
SDev	.063	19.89	.26223	11.2	.5083	.2824
%RSD	.0064	.0807	.05314	.2232	.0254	.0139

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49460.	502.0	2012.	1999.	1998.	25070.
SDev	8.375	.1869	.302	1.616	1.676	14.14
%RSD	.0169	.0372	.015	.0808	.0839	.0564

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49730.	48580.	1989.	1972.	46540.	1957.
SDev	19.35	8.839	2.17	6.199	33.55	1.055
%RSD	.0389	.0182	.1091	.3143	.0721	.0539

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	505.44	500.94	495.29	4979.	5011.	1005.6
SDev	3.0869	.52828	2.7633	2.913	3.696	.32506
%RSD	.61074	.10545	.55791	.0585	.0738	.03232

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1986.	2014.	498.76	502.03	507.89	504.21
SDev	.7751	1.498	1.0089	.28831	3.6478	2.8069
%RSD	.039	.0744	.20228	.05743	.71822	.55669

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.82	496.52	5.0000	20230.7
SDev	1.1933	4.7385	0	9.4755
%RSD	.24213	.95434	0	.04683

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 13:56 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2313	25.30	.42759	13.15	.4660	.5140
SDev	.141	2.143	.52227	1.368	.2025	.1725
%RSD	60.94	8.47	122.14	10.4	43.45	33.57

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	71.94	-.0315	.1288	.0500	.6803	-4.008
SDev	4.477	.0572	.075	.4863	.1147	2.162
%RSD	6.223	181.4	58.21	973.2	16.86	53.95

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	164.0	14.50	.4900	1.242	-442.2	1.366
SDev	.2903	5.398	.205	.6357	162.4	.0492
%RSD	.177	37.24	41.84	51.21	36.73	3.604

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9587	1.4088	.76199	.7642	1.226	.49431
SDev	1.9134	.54463	1.6166	.9316	.4634	1.6403
%RSD	97.686	38.658	212.15	121.9	37.79	331.82

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0620	1.080	1.5865	1.3202	3.8270	1.0259
SDev	.0304	.039	.19729	.71805	3.4898	1.1263
%RSD	48.96	3.607	12.436	54.392	91.188	109.79

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.82625	1.5549	5.0000	20379.4
SDev	2.8591	.9962	0	39.8797
%RSD	346.04	64.068	0	.19568

Method: TOTAL Sample Name: HEX79 Operator: KLC
Run Time: 07/12/05 14:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3292	250.7	.24881	86.88	57.16	.1586
SDev	.0008	3.186	.30737	.7982	.1739	.0407
%RSD	.2287	1.271	123.54	.9188	.3042	25.67

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48140.	.0643	.3601	.6051	16.78	789.1
SDev	163.5	.0762	.1514	.1613	.1317	8.425
%RSD	.3396	118.6	42.05	26.65	.785	1.068

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3783.	15020.	12.67	4.011	46860.	2.980
SDev	6.882	53.48	.0151	.7717	144.5	.1269
%RSD	.1819	.3561	.1195	19.24	.3083	4.259

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8275	.47906	1.4302	.2438	.2467	1.1053
SDev	.79329	1.1466	1.7572	1.587	0	.19356
%RSD	43.408	239.33	122.86	651.1	0	17.512

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2716	57.34	-.54849	.99207	6.5695	-.53991
SDev	.1172	.0066	.42988	1.5044	1.8006	2.0883
%RSD	43.14	.0115	78.376	151.64	27.408	386.78

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1812	1.5545	5.0000	20409
SDev	.68674	2.9773	0	61.3774
%RSD	58.138	191.53	0	.30073

Method: TOTAL Sample Name: HEX19 Operator: KLC
Run Time: 07/12/05 14:05 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2798	3310.	.16326	170.6	53.53	.0840
SDev	.0181	2.076	.49015	.669	.0589	.0068
%RSD	6.459	.0627	300.23	.3923	.11	8.046

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54820.	3.929	.1998	.3021	3.606	18.11
SDev	9.223	.1323	.1256	.0921	.1666	3.598
%RSD	.0168	3.368	62.85	30.5	4.619	19.87

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8124.	9178.	333.2	47.94	84160.	3.106
SDev	13.74	2.361	.0469	.6601	211.5	.2694
%RSD	.1691	.0257	.0141	1.377	.2513	8.674

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5184	.68401	5.0225	-2.818	-.4059	2.3343
SDev	.15054	.18926	2.6037	.9359	.0013	1.3412
%RSD	5.978	27.67	51.842	33.22	.3202	57.458

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1371	47.32	-.87979	1.4647	8.2639	-.35006
SDev	.3565	.0988	.62361	.59509	.17926	.13621
%RSD	260	.2088	70.882	40.628	2.1692	38.911

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0247	7.0184	5.0000	20380.9
SDev	.83027	4.3182	0	40.5868
%RSD	81.023	61.527	0	.19914

Method: TOTAL Sample Name: HE0HJ Operator: KLC
Run Time: 07/12/05 14:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1353	66470.	75.746	194.7	507.6	3.381
SDev	.1718	94.14	.67485	1.363	.5285	.006
%RSD	127	.1416	.89093	.6998	.1041	.178

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	73120.	2.043	46.33	194.0	224.3	131900.
SDev	66.34	.016	.0767	.2897	.1013	73.94
%RSD	.0907	.7832	.1656	.1494	.0452	.0561

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17940.	23180.	2866.	54.27	19350.	229.3
SDev	13.03	20.65	.7924	.5782	78.08	.1412
%RSD	.0726	.0891	.0276	1.065	.4035	.0616

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1599	132.77	4.6001	2.519	575.9	1.0021
SDev	.79379	.84698	.2178	.6404	.2398	1.5854
%RSD	68.434	.63794	4.7347	25.43	.0416	158.21

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	188.6	879.0	128.84	134.73	9.5504	-3.0290
SDev	.0243	.2634	.52536	1.0075	1.0057	.68797
%RSD	.0129	.03	.40776	.74783	10.531	22.713

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4839	6.1559	5.0000	21081.9
SDev	2.2608	1.4552	0	12.8688
%RSD	152.35	23.64	0	.06104

Method: TOTAL Sample Name: HEXEE Operator: KLC
Run Time: 07/12/05 14:16 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2007	42.43	-.42207	327.9	462.7	.0257
SDev	.3203	2.556	.83009	.9003	2.093	.0111
%RSD	159.6	6.023	196.67	.2746	.4525	43.02

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	128800.	-.0535	2.188	1.378	.6221	11530.
SDev	462.3	.0034	.3007	.0168	.1558	53.65
%RSD	.3589	6.402	13.75	1.221	25.04	.4654

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26080.	74210.	112.8	-.0683	67310.	2.059
SDev	63.34	265.4	.5267	.1249	74.74	.667
%RSD	.2428	.3577	.467	182.8	.111	32.39

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.43685	.66296	.91865	-.4539	-1.065	1.9713
SDev	2.0095	.36186	.85127	.7296	.0025	3.9057
%RSD	459.99	54.583	92.665	160.8	.2354	198.13

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5998	6.614	-2.6024	2.2932	10.736	-4.7052
SDev	.3276	.2338	.10484	.59486	4.0404	.99549
%RSD	54.63	3.535	4.0288	25.941	37.633	21.157

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6624	2.2073	5.0000	20271.6
SDev	1.6833	2.1167	0	38.7486
%RSD	101.26	95.897	0	.19114

Method: TOTAL Sample Name: HEXEES Operator: KLC
Run Time: 07/12/05 14:20 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.42	2189.	2057.5	1327.	2502.	52.96
SDev	.4781	3.411	.94067	6.313	7.289	.118
%RSD	.8951	.1558	.04571	.4758	.2913	.2228

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	174700.	51.51	515.6	208.2	270.4	12260.
SDev	402.8	.1599	1.357	.5192	.461	24.76
%RSD	.2306	.3105	.2633	.2494	.1705	.2019

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	83430.	122900.	622.5	1014.	116400.	502.5
SDev	141.1	195.5	1.583	5.439	285.1	2.286
%RSD	.1691	.159	.2543	.5365	.245	.4548

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2108.3	516.08	519.85	2072.	1056.	2048.1
SDev	5.5776	2.6824	9.182	13.06	3.038	7.4678
%RSD	.26455	.51976	1.7663	.6302	.2876	.36461

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	515.7	531.3	512.06	518.09	2091.7	2116.6
SDev	1.606	.9097	2.9437	2.552	8.6106	4.0633
%RSD	.3115	.1712	.57486	.49257	.41165	.19197

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	516.59	521.48	5.0000	20322.7
SDev	6.3047	10.619	0	78.4888
%RSD	1.2204	2.0362	0	.38621

Method: TOTAL Sample Name: HEXEED Operator: KLC
Run Time: 07/12/05 14:25 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.33	2096.	1991.9	1300.	2421.	50.88
SDev	.058	3.98	2.8119	2.237	.24	.1265
%RSD	.1068	.1898	.14117	.1721	.0099	.2487

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	171100.	49.30	494.0	199.4	259.4	12010.
SDev	264.9	.13	.4067	.7954	.3921	15.51
%RSD	.1549	.2636	.0823	.3989	.1512	.1292

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	82220.	119900.	599.5	978.8	114600.	480.1
SDev	27.66	354.6	.4984	.1852	70.31	1.195
%RSD	.0336	.2958	.0831	.0189	.0614	.2489

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2040.9	493.59	505.74	1991.	1015.	1986.0
SDev	.75173	.48678	5.2104	4.798	.3826	.05455
%RSD	.03683	.09862	1.0302	.241	.0377	.00274

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	496.3	509.9	491.28	494.75	2031.7	2045.5
SDev	.5075	.7319	2.4284	1.9422	4.1151	.92738
%RSD	.1022	.1435	.4943	.39256	.20254	.04533

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	502.54	507.33	5.0000	20192.7
SDev	.3305	7.6466	0	14.5661
%RSD	.06576	1.5072	0	.07213

Method: TOTAL Sample Name: HEXEG Operator: KLC
Run Time: 07/12/05 14:32 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1552	17.42	.74744	357.3	123.9	.0666
SDev	.3795	3.17	.04273	.9412	.0981	.0215
%RSD	244.6	18.2	5.7172	.2634	.0792	32.23

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	144900.	.2574	.5579	.1729	.7921	4338.
SDev	275	.0317	.0259	.4103	.4977	2.43
%RSD	.1898	12.33	4.647	237.4	62.83	.056

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15010.	98600.	45.38	3.486	162400.	.8907
SDev	12.56	135.8	.0848	.3695	327.5	.3305
%RSD	.0837	.1377	.1869	10.6	.2016	37.11

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2213	.11423	1.1012	1.648	-1.159	1.4693
SDev	.05944	.08698	1.412	1.852	.1216	3.1003
%RSD	4.8676	76.14	128.23	112.4	10.49	211

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3689	7.827	-1.1422	.74152	4.3015	-.31642
SDev	.0003	.3357	.26212	.00046	3.5331	1.6748
%RSD	.0849	4.29	22.949	.06203	82.137	529.28

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.96360	1.1699	5.0000	20105.1
SDev	1.8636	3.0473	0	66.044
%RSD	193.39	260.49	0	.32849

Method: TOTAL Sample Name: HEXEH Operator: KLC
Run Time: 07/12/05 14:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3272	8.716	.74849	86.03	101.8	.0657
SDev	.2652	2.077	.16611	.0675	.1693	.0011
%RSD	81.07	23.83	22.193	.0785	.1662	1.732

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	126400.	.0976	-.0204	.1709	.5032	2411.
SDev	94.45	.0273	.3319	.0687	.0534	6.663
%RSD	.0747	27.95	1630	40.17	10.61	.2763

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3812.	47450.	143.5	4.102	213800.	1.172
SDev	7.137	94.49	.3011	1.028	111.9	.2857
%RSD	.1872	.1991	.2098	25.05	.0523	24.37

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.66241	.37579	.59646	.0832	-1.738	4.5437
SDev	.1045	.29626	.57726	1.617	.2326	2.5094
%RSD	15.776	78.835	96.781	1945	13.38	55.227

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1686	4.412	.34425	.39154	7.9559	-2.9789
SDev	.1503	.1363	.56636	.72692	.14741	.08307
%RSD	89.16	3.089	164.52	185.66	1.8529	2.7889

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1116	.33930	5.0000	20102.8
SDev	1.6265	.05344	0	13.2942
%RSD	146.32	15.751	0	.06613

Method: TOTAL Sample Name: HEXEJ Operator: KLC
Run Time: 07/12/05 14:41 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1461	50.32	.61615	829.9	4.439	.0769
SDev	.5039	.461	.21766	5.51	.0935	.0018
%RSD	344.9	.9162	35.326	.664	2.106	2.296

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6849.	.2168	.0934	8.029	64.70	728.7
SDev	1.912	.0185	.2266	.0106	.0952	.8974
%RSD	.0279	8.518	242.7	.1314	.1472	.1232

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2585.	6410.	10.71	15.66	112200.	4.393
SDev	7.914	.5289	.0138	.1465	42.58	.2151
%RSD	.3062	.0083	.1293	.9355	.0379	4.897

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4932	2.7025	1.3230	1.564	1.223	-.07659
SDev	1.172	.96973	.36047	.48	.2313	.57056
%RSD	78.491	35.882	27.247	30.69	18.91	744.91

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5060	9592.	.69284	3.7059	4.3823	.05083
SDev	.0879	17.26	.32441	1.6158	1.9617	.77779
%RSD	17.37	.18	46.823	43.602	44.764	1530.2

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.3942	.28889	5.0000	20439.7
SDev	3.3259	1.12	0	25.3136
%RSD	97.986	387.69	0	.12384

Method: TOTAL Sample Name: HEXEL Operator: KLC
Run Time: 07/12/05 14:46 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0171	5.463	1.1098	199.6	279.3	.0574
SDev	.3857	2.335	.45176	.0438	.8753	.0187
%RSD	2254	42.73	40.707	.022	.3133	32.57

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	107400.	.3594	2.555	.1376	1.456	-15.50
SDev	139.4	.0426	.0779	.3342	.1917	1.058
%RSD	.1298	11.85	3.048	242.9	13.16	6.824

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12420.	77120.	83.73	5.476	77250.	213.8
SDev	29.76	103.7	.1099	.5135	87.4	.0458
%RSD	.2397	.1345	.1312	9.377	.1131	.0214

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8122	-.63246	.04820	.0423	-1.723	1.3389
SDev	.85882	.90007	.3012	1.434	.0016	3.5741
%RSD	47.392	142.31	624.82	3391	.095	266.95

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8429	307.1	-1.3054	-.29652	11.831	-3.1897
SDev	.2981	.1599	.37777	1.1608	2.3949	2.4833
%RSD	35.37	.0521	28.94	391.48	20.243	77.852

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.54663	-.20063	5.0000	20259.5
SDev	.66012	.78114	0	16.8297
%RSD	120.76	389.34	0	.08307

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 14:53 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	979.0	24660.	493.16	4936.	2002.	2029.
SDev	1.853	33.04	.02112	8.035	1.129	1.275
%RSD	.1893	.134	.00428	.1628	.0564	.0628

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49230.	501.0	2001.	1988.	1996.	24710.
SDev	37.07	.4613	2.171	.3008	.6921	6.22
%RSD	.0753	.0921	.1085	.0151	.0347	.0252

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49720.	48330.	1988.	1959.	46310.	1964.
SDev	161.3	16.21	1.192	2.689	42.33	7.119
%RSD	.3243	.0335	.06	.1373	.0914	.3625

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	502.86	498.22	492.69	4949.	4981.	1003.1
SDev	3.5505	1.5032	.25251	.3242	.0832	5.3064
%RSD	.70606	.3017	.05125	.0066	.0017	.529

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1970.	2015.	496.68	498.98	501.73	503.42
SDev	.0129	1.554	.98597	1.7614	2.2648	4.1924
%RSD	.0007	.0771	.19851	.35299	.45139	.83278

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	494.84	491.62	5.0000	20234.8
SDev	1.6313	1.193	0	37.9006
%RSD	.32965	.24266	0	.1873

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 15:01 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6098	26.56	.11451	9.905	.5137	.5335
SDev	.2458	1.563	1.512	.21	.0615	.1531
%RSD	40.3	5.884	1320.3	2.12	11.97	28.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	71.21	.1035	.5747	.2401	.6879	7.620
SDev	5.193	.0884	.0508	.0071	.6602	4.307
%RSD	7.293	85.42	8.838	2.969	95.98	56.52

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.7	16.46	.4844	1.511	-336.0	1.013
SDev	.9671	2.263	.1096	.264	.8394	.6857
%RSD	.5732	13.75	22.62	17.47	.2498	67.67

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.43332	.63303	.71520	1.893	1.471	.95496
SDev	3.0397	.474	2.0711	1.615	.11	1.9139
%RSD	701.49	74.878	289.58	85.27	7.475	200.41

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9435	1.459	1.9090	-.00397	4.1030	-1.3987
SDev	.203	.0904	.2185	.81973	.2156	4.6649
%RSD	21.51	6.197	11.446	20637	5.2549	333.51

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0060	.57002	5.0000	20365.2
SDev	.73597	2.7376	0	91.359
%RSD	73.16	480.26	0	.4486

Method: TOTAL Sample Name: HEXEN Operator: KLC
Run Time: 07/12/05 15:05 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2638	14.07	-.86033	531.6	607.0	.2142
SDev	.2563	3.968	.49154	3.992	1.448	.0241
%RSD	97.15	28.2	57.135	.751	.2386	11.27

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	187800.	.0069	.7566	.4461	.4101	4134.
SDev	318.1	.0352	.0505	.2074	.1664	1.622
%RSD	.1694	509.4	6.67	46.5	40.56	.0392

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22080.	96580.	84.67	.1388	161000.	4.558
SDev	39.07	179.1	.0991	.2542	232	.4964
%RSD	.1769	.1854	.1171	183.1	.1441	10.89

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5855	.08792	.30066	-.3835	-2.407	1.8977
SDev	.03939	.09755	2.233	.8157	.0062	.03571
%RSD	2.4846	110.95	742.7	212.7	.2566	1.882

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5526	3.890	-.97499	.61858	8.3164	-1.7750
SDev	.0887	.1183	.44595	.07638	1.6231	.75128
%RSD	16.05	3.041	45.739	12.348	19.517	42.327

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.03014	.46581	5.0000	20050
SDev	.85058	3.7725	0	46.669
%RSD	2821.7	809.87	0	.23276

Method: TOTAL Sample Name: HEXEP Operator: KLC
Run Time: 07/12/05 15:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2794	10.93	.96661	120.7	160.8	.1285
SDev	.377	3.723	.80545	.2102	.0679	.0079
%RSD	134.9	34.07	83.327	.1742	.0423	6.123

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	134300.	.1064	.6474	.4258	.8061	19490.
SDev	64.45	.0989	.1525	.18	.1268	5.411
%RSD	.048	92.98	23.56	42.29	15.73	.0278

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4445.	47730.	319.2	1.542	33900.	-.2432
SDev	2.503	28.22	.1193	.5072	79.86	.2243
%RSD	.0563	.0591	.0374	32.9	.2356	92.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.28252	.42293	-.31550	.5145	-1.314	2.2715
SDev	2.7254	1.2286	.26931	.6311	.3476	1.519
%RSD	964.66	290.49	85.362	122.6	26.45	66.872

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9829	5.439	-.13468	.70133	5.8671	-2.5055
SDev	.6286	.2945	1.4012	1.1424	.16974	4.1708
%RSD	63.95	5.414	1040.3	162.89	2.8932	166.46

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.98381	.01814	5.0000	20232.8
SDev	1.5079	.34903	0	12.7279
%RSD	153.27	1923.2	0	.0629

Method: TOTAL Sample Name: HEXER Operator: KLC
Run Time: 07/12/05 15:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2327	70.47	5.4095	138.2	308.6	.1214
SDev	.4918	.5799	1.412	.9055	.0999	.008
%RSD	211.3	.8229	26.102	.6552	.0324	6.587

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	101300.	.0973	.5535	.4533	.6499	779.1
SDev	6.972	.0004	.0252	.0016	.5774	2.486
%RSD	.0069	.38	4.56	.3446	88.86	.3191

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7839.	51820.	38.19	14.63	342700.	19.71
SDev	8.252	31.21	.0236	.8796	291.6	1.433
%RSD	.1053	.0602	.0618	6.013	.0851	7.267

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.05461	.30683	-.66404	-.6419	-.4128	2.1245
SDev	1.688	.38913	.93463	1.861	.0006	.51093
%RSD	3090.9	126.82	140.75	289.8	.1401	24.049

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1861	104.0	-1.4945	1.2061	6.2489	-3.0379
SDev	.1197	.1345	.69954	.23416	4.7889	.13989
%RSD	64.31	.1294	46.809	19.414	76.635	4.605

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.77742	-.60744	5.0000	20166.5
SDev	.18083	1.4915	0	17.6777
%RSD	23.261	245.54	0	.08765

Method: TOTAL Sample Name: HEXET Operator: KLC
Run Time: 07/12/05 15:20 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1592	19.57	-.06889	654.1	1304.	.1028
SDev	.1057	2.892	.53672	10.38	13.09	.0008
%RSD	66.4	14.78	779.04	1.588	1.004	.7456

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	140000.	.0194	.2881	.3878	.5267	961.4
SDev	1387	.0331	.1002	.2385	.2891	2.346
%RSD	.9908	170.7	34.78	61.51	54.88	.244

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30920.	77540.	41.80	.8170	168400.	1.670
SDev	257.9	772.4	.3742	.2393	1395	.4194
%RSD	.8342	.9962	.895	29.29	.8285	25.12

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.68540	.20579	.16702	.9375	-2.220	1.5807
SDev	.28158	.68494	1.2115	.2711	.0209	.53011
%RSD	41.083	332.82	725.33	28.91	.9403	33.537

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2377	8.312	-1.6454	1.1300	6.3505	-2.1429
SDev	.1798	.1881	.23879	1.1461	1.3173	1.0798
%RSD	75.65	2.263	14.513	101.42	20.743	50.392

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2215	.86026	5.0000	20221.8
SDev	.67549	1.4791	0	171.12
%RSD	55.298	171.93	0	.84621

Method: TOTAL Sample Name: HEXETL Operator: KLC
Run Time: 07/12/05 15:25 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1185	5.683	-.52126	130.8	262.3	.0942
SDev	.075	1.471	.62746	.8965	.6355	.0212
%RSD	63.29	25.88	120.37	.6854	.2423	22.53

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28620.	.0545	.1992	-.1318	.0242	195.8
SDev	65.76	.0726	.0766	.4048	.1248	1.974
%RSD	.2298	133.3	38.44	307.1	515.1	1.008

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5743.	15370.	8.476	.4426	33910.	.5829
SDev	5.15	47.54	.0728	1.01	.1657	.2732
%RSD	.0897	.3093	.8589	228.1	.0005	46.87

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2872	.43499	.24919	1.264	-.3261	.20513
SDev	.7699	.78356	1.0093	2.394	.1142	.77075
%RSD	33.661	180.13	405.02	189.4	35.01	375.72

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2886	1.875	-.06109	.68266	5.8804	.49337
SDev	.1777	.0887	1.1645	.59335	4.6797	1.1821
%RSD	61.57	4.729	1906.2	86.918	79.582	239.59

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5547	1.1498	5.0000	20311.2
SDev	.18505	1.4208	0	56.8517
%RSD	11.903	123.57	0	.2799

Method: TOTAL Sample Name: HEW2XB 5187021 Operator: KLC
Run Time: 07/12/05 15:32 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3079	15.86	-2.0524	3.463	.3639	.1021
SDev	.1034	2.876	.14051	.3445	.0033	.012
%RSD	33.58	18.13	6.8466	9.947	.8958	11.73

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	256.9	.0429	.0433	-.5208	1.029	8.365
SDev	4.425	.0518	.1486	.1791	.2255	4.618
%RSD	1.722	120.8	343.2	34.39	21.92	55.21

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.7	18.39	.3288	-.3693	-417.1	-.4641
SDev	12.46	1.111	.0136	.8796	388.2	1.06
%RSD	7.661	6.042	4.147	238.2	93.07	228.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6283	-.20625	.03194	.0112	.2464	2.1882
SDev	1.737	.34214	1.3995	1.199	.2291	.21234
%RSD	106.68	165.88	4381.1	10730	92.98	9.704

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1900	9.361	-1.7808	.57981	10.808	-2.9547
SDev	.3242	.0549	.22249	.62403	2.0757	1.568
%RSD	170.7	.5867	12.494	107.63	19.205	53.068

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6227	.85800	5.0000	20526.7
SDev	2.3952	.90236	0	64.9116
%RSD	147.61	105.17	0	.31622

Method: TOTAL Sample Name: HEW2XC Operator: KLC
Run Time: 07/12/05 15:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.755	1805.	1743.2	837.2	1731.	45.74
SDev	.2297	2.081	5.7215	1.198	2.379	.0826
%RSD	6.117	.1153	.32822	.1431	.1374	.1806

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	241.7	45.37	445.7	177.2	229.0	1023.
SDev	2.625	.0707	.039	.0738	.2255	4.05
%RSD	1.086	.1559	.0087	.0416	.0985	.3958

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	160.8	18.98	433.0	863.2	-809.6	441.6
SDev	6.545	2.13	.5163	1.163	95.16	.1271
%RSD	4.071	11.22	.1193	.1348	11.76	.0288

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1805.4	447.06	445.39	1788.	894.1	1758.6
SDev	1.5881	1.3363	.37534	2.715	.8926	2.7326
%RSD	.08796	.2989	.08427	.1518	.0998	.15538

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	431.0	456.0	442.24	449.47	1779.9	1818.1
SDev	.0926	.6585	.81692	1.5956	6.8856	5.8184
%RSD	.0215	.1444	.18472	.35499	.38685	.32002

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	442.74	446.71	5.0000	20561.4
SDev	.28175	.42206	0	11.032
%RSD	.06363	.09448	0	.05365

Method: TOTAL Sample Name: HEKLM Operator: KLC
Run Time: 07/12/05 16:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4618	5.552	2.8671	62.80	508.9	.1655
SDev	.1435	3.275	1.7981	1.29	1.428	.0067
%RSD	31.08	58.99	62.715	2.054	.2807	4.054

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	132200.	-.0002	-.3369	-.0989	5.378	4142.
SDev	363.4	.0297	.0803	.0824	.1415	13.06
%RSD	.2749	14020	23.82	83.29	2.632	.3154

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7848.	11550.	348.3	11.40	33740.	1.850
SDev	21.8	42.19	1.216	.5742	54.36	.1898
%RSD	.2778	.3653	.3491	5.037	.1611	10.26

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0265	6.5616	1.5290	-1.099	-1.716	2.9484
SDev	1.2118	.33166	.09929	.4465	.0108	2.2351
%RSD	40.041	5.0546	6.494	40.62	.6284	75.808

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.920	13.73	3.4504	8.1149	8.7814	.15333
SDev	.2801	.0508	.67534	.83441	1.8712	.88263
%RSD	9.593	.3699	19.573	10.282	21.308	575.62

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.66056	2.6221	5.0000	20334.2
SDev	.43501	.36604	0	111.723
%RSD	65.854	13.96	0	.54943

Method: TOTAL Sample Name: HEKLML Operator: KLC
Run Time: 07/12/05 16:35 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2295	.2451	.34342	12.40	101.1	.1563
SDev	.2619	.0018	.54084	.0956	.503	.0055
%RSD	114.1	.7245	157.49	.7711	.4975	3.518

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26510.	.0487	.0564	-.3800	1.001	831.4
SDev	140.5	.0433	.0778	.1293	.106	3.455
%RSD	.5299	88.96	137.8	34.04	10.6	.4155

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1563.	2296.	69.90	3.673	6701.	-.0131
SDev	5.631	15.92	.3735	.2748	.4257	.1217
%RSD	.3602	.6933	.5344	7.48	.0064	926

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1301	1.2522	1.2408	.5522	-.4077	.00179
SDev	3.1478	.30355	.05249	.291	.003	1.0629
%RSD	278.53	24.242	4.2311	52.69	.7405	59263

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6094	3.940	1.7890	.98416	2.0137	.68897
SDev	.0632	.0082	.45659	.68306	.62265	4.4084
%RSD	10.37	.2074	25.522	69.406	30.921	639.85

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.28685	2.0035	5.0000	20324.5
SDev	.57385	.3652	0	93.7621
%RSD	200.05	18.229	0	.46132

Method: TOTAL Sample Name: HEKMF Operator: KLC
Run Time: 07/12/05 16:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3481	4.848	2.8881	50.50	381.7	.1858
SDev	.2876	2.169	1.0691	1.047	2.966	.0075
%RSD	82.62	44.75	37.017	2.073	.7771	4.025

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	95610.	-.0102	.1471	-.3247	9.563	2249.
SDev	724.1	.0003	.1024	.2056	.2225	13.34
%RSD	.7574	3.279	69.61	63.33	2.326	.5932

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5597.	7660.	219.0	3.930	13990.	1.433
SDev	30.26	54.66	1.688	.4078	150	.4807
%RSD	.5407	.7136	.7707	10.38	1.072	33.53

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7589	2.4902	-.47063	-.3703	-1.055	.12714
SDev	1.1596	.69697	1.5219	.4391	.0079	3.8411
%RSD	65.928	27.988	323.36	118.6	.7531	3021

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.325	17.24	2.5948	2.4380	6.9923	-.85386
SDev	.0153	.1678	.14767	1.1187	2.2111	.63466
%RSD	.6596	.9734	5.6911	45.884	31.622	74.328

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6482	.11723	5.0000	20436.4
SDev	1.4116	2.9864	0	124.733
%RSD	85.646	2547.4	0	.61034

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 16:46 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q550.0	Q13630.	Q273.90	Q2758.	Q1107.	Q1134.
SDev	608.4	15380	300.01	2832	1234	1242
%RSD	110.6	112.9	109.53	102.7	111.5	109.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q27450.	Q281.3	Q1112.	Q1105.	Q1105.	Q13600.
SDev	30070	306.8	1222	1211	1240	14650
%RSD	109.6	109.1	109.9	109.6	112.2	107.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q27860.	Q26880.	Q1091.	Q1089.	Q26370.	Q1099.
SDev	30730	29190	1188	1192	27510	1243
%RSD	110.3	108.6	108.9	109.5	104.3	113.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q277.31	Q278.61	Q273.85	Q2776.	Q2756.	Q560.86
SDev	308.95	304.18	302.73	2992	3037	610.06
%RSD	111.41	109.18	110.55	107.8	110.2	108.77

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q1091.	Q1127.	257.25	289.28	259.44	286.23
SDev	1184	1237	327.64	292.47	326.24	300.31
%RSD	108.5	109.8	127.36	101.1	125.75	104.92

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	253.94	283.78	5.0000	33847.6
SDev	335.18	286.53	0	19299.5
%RSD	131.99	100.97	0	57.0188

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 16:53 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9819	-63.88	.39321	1.286	-.0539	-.0460
SDev	.484	124.3	1.0242	6.816	.7474	.8172
%RSD	49.29	194.6	260.46	529.9	1386	1776

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	41.64	.2702	.7911	2.807	Q-5.250	-8.514
SDev	42.64	.4281	.1522	3.524	7.985	16.36
%RSD	102.4	158.4	19.24	125.6	152.1	192.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	240.1	-1.122	.0965	1.708	Q1166.	.0502
SDev	101.9	16.7	.3783	.2544	1831	1.203
%RSD	42.43	1489	392.1	14.9	157.1	2398

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1620	.44597	-3.7717	-.8421	.2193	-.58733
SDev	1.1327	.19126	6.1424	1.92	1.201	.7877
%RSD	97.482	42.886	162.86	228	547.8	134.12

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5987	.1383	6.7449	-2.6988	11.138	-3.8188
SDev	1.146	1.414	5.7261	3.1455	11.394	3.9904
%RSD	191.4	1022	84.894	116.55	102.3	104.5

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.9606	-6.6335	5.0000	32861.3
SDev	1.7396	10.077	0	17873.3
%RSD	88.728	151.92	0	54.39

Method: TOTAL Sample Name: HEKMH Operator: KLC
Run Time: 07/12/05 16:58 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2459	3909.	4.4938	54.68	144.5	.4559
SDev	.6489	3.266	1.2316	.3748	.0418	.0238
%RSD	263.9	.0835	27.407	.6854	.0289	5.218

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	58470.	.0434	1.438	3.471	4.893	2973.
SDev	10.3	.05	.1727	.032	.036	5.42
%RSD	.0176	115.1	12.01	.923	.735	.1823

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7533.	12430.	143.0	3.814	27290.	4.820
SDev	.3687	6.299	.0996	.5103	43.72	.0963
%RSD	.0049	.0507	.0697	13.38	.1602	1.997

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1006	1.9580	.69766	-1.134	64.64	3.3129
SDev	1.0207	.03884	.15293	.346	.2069	.27449
%RSD	32.92	1.9841	21.922	30.5	.3201	8.2855

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.26	36.46	1.1699	2.3515	10.265	-.47625
SDev	.0876	.2302	.90948	.39581	1.9917	.53594
%RSD	.6603	.6315	77.742	16.833	19.403	112.53

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.1845	1.6373	5.0000	20576.7
SDev	.15636	.15122	0	43.4166
%RSD	13.201	9.2364	0	.21099

Method: TOTAL Sample Name: HEKMJ Operator: KLC
Run Time: 07/12/05 17:03 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2468	10070.	7.1751	61.24	207.0	.6832
SDev	.1027	11.12	.0227	.482	.2328	.0018
%RSD	41.6	.1104	.31643	.787	.1125	.2576

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	63060.	.3523	4.466	12.84	30.61	9098.
SDev	82.11	.0013	.0056	.3109	.0713	.317
%RSD	.1302	.3648	.1243	2.422	.233	.0035

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9325.	12770.	349.0	4.685	67340.	11.56
SDev	9.006	22.43	.6244	.8697	147.3	.9641
%RSD	.0966	.1757	.1789	18.56	.2188	8.343

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.3476	8.9180	3.2167	-1.765	167.1	1.3370
SDev	1.6392	1.3267	1.5467	1.035	.1035	2.7895
%RSD	69.826	14.877	48.084	58.62	.0619	208.64

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24.00	137.2	6.8867	9.9321	8.8750	-.91123
SDev	.6539	.4427	2.4434	.7692	4.3784	4.6435
%RSD	2.725	.3226	35.48	7.7446	49.334	509.59

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0268	4.3100	5.0000	20522.1
SDev	1.2499	2.943	0	29.5562
%RSD	121.73	68.282	0	.14402

Method: TOTAL Sample Name: ZZZZZ Operator: KLC
Run Time: 07/12/05 17:15 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	983.4	24540.	486.74	4743.	1982.	2019.
SDev	1.278	11.03	.10474	17.77	2.391	1.356
%RSD	.13	.0449	.02151	.3747	.1206	.0672

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48820.	500.9	1982.	1968.	1984.	23920.
SDev	29.76	.1834	1.235	.9374	1.857	51.6
%RSD	.061	.0366	.0623	.0476	.0936	.2157

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49600.	47780.	1942.	1942.	45790.	1997.
SDev	44.02	36.35	3.818	5.641	152.6	1.106
%RSD	.0887	.0761	.1966	.2905	.3332	.0554

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	497.61	495.86	487.48	4908.	4906.	996.41
SDev	.05004	.15567	.70581	7.705	5.892	.0501
%RSD	.01005	.03139	.14478	.157	.1201	.00502

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1931.	2013.	491.12	498.23	489.54	501.64
SDev	1.792	1.119	1.2043	.83463	2.3738	1.2601
%RSD	.0928	.0556	.24521	.16752	.4849	.2512

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.44	486.00	5.0000	20236.4
SDev	1.7307	.19414	0	26.0221
%RSD	.35288	.03994	0	.12859

Method: TOTAL Sample Name: ZZZZZ Operator: KLC
Run Time: 07/12/05 17:23 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q920.4	Q22970.	Q457.45	Q4443.	Q1858.	Q1889.
SDev	3.706	118.7	5.7282	22.46	8.661	9.279
%RSD	.4027	.517	1.2522	.5057	.4661	.4912

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q45670.	Q469.0	Q1855.	Q1842.	Q1857.	Q22380.
SDev	246.5	2.153	10.04	9.495	7.955	133.3
%RSD	.5398	.459	.5411	.5156	.4283	.5956

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q46470.	Q44690.	Q1828.	Q1820.	Q42840.	Q1874.
SDev	132.1	237.6	10.27	13.27	353.1	9.73
%RSD	.2843	.5316	.5619	.7288	.8242	.5192

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q465.50	Q462.26	Q458.00	Q4597.	Q4591.	Q936.09
SDev	.29423	1.7198	4.5538	29.37	22.27	4.8523
%RSD	.0632	.37204	.99427	.6389	.4851	.51835

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q1805.	Q1887.	460.42	463.18	462.64	466.93
SDev	8.418	10.3	3.5381	.81204	4.1136	2.4949
%RSD	.4663	.5459	.76845	.17532	.88916	.5343

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	459.32	457.34	5.0000	20282.1
SDev	2.5553	5.5515	0	91.2168
%RSD	.55632	1.2139	0	.44974

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 17:32 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	988.4	24830.	491.31	4830.	2007.	2034.
SDev	5.449	160.6	1.7003	7.338	11.91	12.56
%RSD	.5513	.647	.34607	.1519	.5933	.6176

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49310.	503.3	2001.	1993.	2004.	24390.
SDev	298.7	3.441	12.68	11.76	12.95	132.6
%RSD	.6058	.6836	.6338	.59	.6464	.5436

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49940.	48360.	1988.	1975.	46360.	1978.
SDev	332	266.7	10.52	9.387	351.6	15.96
%RSD	.6649	.5514	.5294	.4754	.7585	.8068

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	501.65	498.86	491.74	4948.	4976.	1004.7
SDev	2.6665	4.0681	2.6419	25.72	28.97	2.8349
%RSD	.53154	.81547	.53726	.5199	.5821	.28216

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1960.	2023.	496.00	500.29	498.18	503.38
SDev	9.413	12.3	3.891	4.1565	.67262	4.3336
%RSD	.4802	.6081	.78447	.83081	.13501	.86089

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.10	491.56	5.0000	20114.1
SDev	4.1232	1.9024	0	103.38
%RSD	.83787	.38701	0	.51396

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 17:39 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2846	19.93	-.31359	10.74	.5145	.6416
SDev	.4586	.2007	1.1736	1.838	.198	.184
%RSD	161.1	1.007	374.23	17.12	38.48	28.68

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52.62	.0027	.3248	-.0110	.2863	3.560
SDev	4.489	.0376	.2022	.4423	.1972	7.155
%RSD	8.531	1386	62.27	4015	68.86	201

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	165.1	8.779	.4450	.8861	-408.4	-.3333
SDev	10.14	3.158	.1037	.3754	114.1	.3324
%RSD	6.14	35.97	23.31	42.36	27.94	99.73

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.46571	.76934	.39146	2.515	1.308	.33318
SDev	.48226	.5745	2.1484	.2187	.5754	1.5392
%RSD	103.55	74.675	548.82	8.698	43.98	461.97

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7133	.4120	1.6836	.31287	3.3115	-2.3515
SDev	.2952	.2587	.10493	.91371	2.187	.36881
%RSD	41.39	62.8	6.2325	292.04	66.042	15.684

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6579	-.24079	5.0000	20349.7
SDev	2.8541	1.7961	0	44.2646
%RSD	172.15	745.9	0	.21751

Method: TOTAL Sample Name: HEXEN Operator: KLC
Run Time: 07/12/05 17:44 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2504	7.144	.10610	510.3	597.9	.3866
SDev	.7101	1.107	.15292	1.993	.252	.0254
%RSD	283.6	15.5	144.13	.3905	.0422	6.557

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	184900.	.0408	.2326	.6595	.4803	4009.
SDev	195.3	.0164	.2292	.0247	.2119	3.316
%RSD	.1056	40.12	98.53	3.746	44.12	.0827

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21820.	95120.	83.34	.6747	158200.	3.688
SDev	31.72	105.7	.1084	.5092	99.18	.686
%RSD	.1453	.1111	.1301	75.48	.0627	18.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5346	.68502	1.5772	1.495	-2.395	2.8419
SDev	1.5665	.02803	.05744	.6631	.0031	.99984
%RSD	61.804	4.0925	3.6423	44.37	.1278	35.183

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1915	3.739	-1.2085	1.6303	11.587	-1.9847
SDev	.1206	.0644	.02209	.05306	5.8394	.5668
%RSD	63	1.722	1.8284	3.2546	50.398	28.559

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.74814	1.9911	5.0000	20141.5
SDev	1.7806	.80286	0	23.3345
%RSD	238.01	40.322	0	.11585

Method: TOTAL Sample Name: HEXEP Operator: KLC
Run Time: 07/12/05 17:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0071	5.750	.47268	116.0	159.1	.2282
SDev	.3857	2.455	.90645	1.681	.1595	.0108
%RSD	5455	42.7	191.77	1.449	.1002	4.721

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	132200.	.0821	.5036	.2915	.3089	18860.
SDev	291.1	.0964	.1523	.3147	.0772	42.9
%RSD	.2202	117.3	30.25	108	24.99	.2275

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4432.	46920.	313.9	1.891	33250.	.5498
SDev	17.82	164.7	.5016	.759	137.8	.6727
%RSD	.4022	.3511	.1598	40.13	.4144	122.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0074	.55814	1.3246	-.6743	-1.230	.08087
SDev	1.6271	.20249	.21056	.4903	.4627	1.2154
%RSD	161.51	36.281	15.897	72.72	37.62	1503

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8074	4.850	-.22581	.94952	8.4251	-2.6958
SDev	.4778	.1753	1.2639	.93459	5.383	.24797
%RSD	59.18	3.615	559.71	98.427	63.893	9.1984

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3718	2.6708	5.0000	20261.3
SDev	.91087	.13906	0	20.223
%RSD	66.399	5.2071	0	.09981

Method: TOTAL Sample Name: HEXER Operator: KLC
Run Time: 07/12/05 17:54 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2516	62.15	4.7785	134.3	306.2	.1879
SDev	.3486	2.338	.04459	.7239	.4527	.0016
%RSD	138.6	3.763	.93317	.539	.1478	.8371

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	100200.	.1251	.4457	.0530	.4303	754.8
SDev	66.35	.1727	.0762	.0206	.3324	3.832
%RSD	.0662	138.1	17.09	38.89	77.24	.5078

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7802.	51200.	37.77	13.96	339000.	18.75
SDev	20.46	76.72	.0827	.5283	314.4	.252
%RSD	.2623	.1498	.2189	3.784	.0928	1.344

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.97051	-.45239	-.36210	-.5720	-.9049	-.19477
SDev	.07793	1.3448	.43808	.348	.0014	.64929
%RSD	8.0305	297.27	120.98	60.84	.1612	333.35

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4397	103.3	-.42497	-.46608	5.2544	-4.0783
SDev	.0601	.338	2.438	.79906	1.5487	.89004
%RSD	13.68	.3273	573.69	171.44	29.475	21.824

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.05074	-.56822	5.0000	20210.9
SDev	1.0218	1.1669	0	25.5967
%RSD	2013.5	205.37	0	.12664

Method: TOTAL Sample Name: HEXET Operator: KLC
Run Time: 07/12/05 17:59 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0260	17.65	.27753	633.2	1295.	.1973
SDev	.464	1.258	.02857	.9146	.098	.009
%RSD	1788	7.13	10.296	.1444	.0076	4.549

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	138300.	-.0092	.4851	.3783	.2294	936.8
SDev	63.15	.0102	.1786	.2482	.0504	3.231
%RSD	.0457	111	36.83	65.61	21.95	.3449

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30950.	76570.	41.32	.9163	167000.	3.090
SDev	18.85	13.92	.0402	.3842	225.9	.0545
%RSD	.0609	.0182	.0974	41.94	.1353	1.764

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3124	.68005	-.11477	.7516	-1.983	1.5888
SDev	1.3119	.32395	1.8601	.95	.3513	3.2153
%RSD	99.967	47.638	1620.6	126.4	17.71	202.37

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2153	5.806	.73813	.65105	8.9989	-2.5252
SDev	.15	.1046	1.0235	.99669	.09782	1.9181
%RSD	69.7	1.802	138.67	153.09	1.0871	75.959

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.20046	-.07199	5.0000	20131.9
SDev	1.4429	2.0684	0	8.34441
%RSD	719.78	2873	0	.04144

Method: TOTAL Sample Name: HEXETL Operator: KLC
Run Time: 07/12/05 18:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1405	.4093	.43744	125.8	258.6	.1827
SDev	.7418	2.37	.91855	.299	.1344	.0187
%RSD	527.8	579.1	209.98	.2376	.052	10.21

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28030.	.0162	.0383	-.1796	-.2279	182.9
SDev	17.02	.1101	.0509	.2	.188	4.064
%RSD	.0607	681.5	132.9	111.3	82.5	2.222

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5699.	15030.	8.252	-.4521	33090.	.2266
SDev	3.451	16.34	.0138	.5065	54.56	.2261
%RSD	.0605	.1087	.167	112	.1649	99.78

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.74741	.32603	.94619	-1.097	-.4082	-1.0207
SDev	2.6749	.14209	2.0564	.0355	.0004	.03556
%RSD	357.88	43.583	217.33	3.239	.1039	3.4844

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2165	1.644	.61893	.17979	2.8152	-2.5261
SDev	.1194	.0002	.65752	.5413	1.21	3.4062
%RSD	55.17	.0111	106.23	301.06	42.98	134.84

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.4091	.21583	5.0000	20307.5
SDev	.7525	2.7073	0	13.1519
%RSD	31.236	1254.3	0	.06476

Method: TOTAL Sample Name: HEW2XB 5187021 Operator: KLC
Run Time: 07/12/05 18:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0892	11.41	.90220	4.092	.3098	.2116
SDev	.2575	1.371	.94317	1.339	.1276	.0125
%RSD	288.5	12.01	104.54	32.71	41.17	5.892

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	245.9	-.0217	.3971	-.5573	.5593	10.83
SDev	5.259	.1197	.2988	.2662	.2128	3.901
%RSD	2.138	551	75.24	47.77	38.04	36.04

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.2	18.93	.3798	-.1977	-393.3	-1.099
SDev	1.717	2.417	.0125	.6257	6.46	1.052
%RSD	1.021	12.77	3.301	316.4	1.643	95.72

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.14171	-.32186	.14414	.2146	.3269	-.21706
SDev	1.0948	.42721	.16518	.4693	.1134	1.7292
%RSD	772.54	132.73	114.6	218.7	34.69	796.64

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1816	9.113	-.96250	-.00203	3.5857	-2.0026
SDev	.2033	.192	1.0231	.12974	.90786	1.1882
%RSD	111.9	2.107	106.29	6383.3	25.319	59.331

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.85786	.64440	5.0000	20672.9
SDev	1.6596	.58089	0	85.2782
%RSD	193.46	90.145	0	.41251

Method: TOTAL Sample Name: HEW2XC Operator: KLC
Run Time: 07/12/05 18:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L3.667	1786.	1715.7	801.9	1711.	45.34
SDev	.1421	2.615	1.1376	.9122	.1321	.0283
%RSD	3.874	.1464	.0663	.1138	.0077	.0623

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L234.8	44.97	440.1	175.1	227.2	1005.
SDev	1.316	.1276	.4573	.3417	.0733	6.987
%RSD	.5606	.2837	.1039	.1951	.0323	.6953

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L166.2	L13.91	427.0	855.9	L-826.6	441.8
SDev	11.68	1.033	.4439	2.449	119	.6938
%RSD	7.027	7.424	.104	.2862	14.39	.157

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1788.2	441.24	442.20	1769.	878.8	1742.5
SDev	.68388	1.1764	1.812	3.745	.2558	3.3452
%RSD	.03824	.26662	.40976	.2117	.0291	.19197

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	422.1	452.8	438.99	442.36	1749.1	1807.8
SDev	.0391	1.205	2.4169	.55713	.24945	1.1498
%RSD	.0093	.266	.55055	.12594	.01426	.0636

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	439.66	443.47	5.0000	20547.6
SDev	1.3775	2.0294	0	16.6874
%RSD	.3133	.45762	0	.08121

Method: TOTAL Sample Name: HEKLM Operator: KLC
Run Time: 07/12/05 18:21 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3555	6.256	4.6197	62.62	505.0	.2512
SDev	.4965	1.416	.51815	1.935	2.63	.0143
%RSD	139.7	22.64	11.216	3.09	.5206	5.711

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	130500.	.0657	.0551	-.3959	5.136	4062.
SDev	615.3	.0922	.1785	.2492	.3349	17.79
%RSD	.4713	140.3	323.9	62.96	6.521	.438

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7789.	11430.	348.7	12.15	33260.	1.379
SDev	36.42	61.93	1.749	1.474	173.8	1.505
%RSD	.4676	.5417	.5014	12.14	.5225	109.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.3940	5.3574	1.6730	-1.193	-1.474	4.2191
SDev	.4829	.24124	.1844	.3872	.3415	1.1471
%RSD	10.99	4.5029	11.022	32.45	23.16	27.189

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.699	13.72	4.6533	5.7089	10.663	1.2644
SDev	.4373	.1489	1.4289	1.0751	5.0776	1.811
%RSD	16.2	1.085	30.707	18.831	47.62	143.24

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.39632	2.7062	5.0000	20281.9
SDev	4.0982	2.3225	0	74.5279
%RSD	1034.1	85.822	0	.36746

Method: TOTAL Sample Name: HEKLML Operator: KLC
Run Time: 07/12/05 18:26 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1435	7.562	1.9522	12.17	101.1	.2404
SDev	.2546	3.243	.3618	.1433	1.082	.0091
%RSD	177.4	42.88	18.533	1.177	1.07	3.799

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26350.	.0512	.1796	-.2785	.9938	815.3
SDev	246.5	.1288	.0531	.0823	.1791	7.84
%RSD	.9352	251.5	29.54	29.53	18.03	.9615

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1562.	2283.	70.29	2.442	6710.	.2024
SDev	7.42	22.35	.7489	.024	106.8	.6372
%RSD	.475	.9791	1.065	.9838	1.591	314.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9010	1.4877	1.4162	.4214	-.4121	.13840
SDev	.2	.47902	1.9589	.0881	.0046	1.6748
%RSD	10.521	32.199	138.32	20.91	1.118	1210.1

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8245	4.132	2.6176	.92359	4.8310	.43822
SDev	.5923	.0647	.10323	.76971	.17806	.38875
%RSD	71.84	1.564	3.9439	83.339	3.6859	88.713

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3742	1.4372	5.0000	20188.2
SDev	1.4104	2.2327	0	141.138
%RSD	102.63	155.35	0	.69911

Method: TOTAL Sample Name: HEKMF Operator: KLC
Run Time: 07/12/05 18:31 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2238	8.895	2.4257	52.10	381.8	.2487
SDev	.523	.1198	.37827	.5569	.0803	.0012
%RSD	233.7	1.347	15.594	1.069	.021	.4626

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	95420.	.0502	-.2084	-.3560	9.170	2217.
SDev	20.66	.0488	.301	.2448	.0608	.1288
%RSD	.0216	97.11	144.4	68.76	.6629	.0058

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5579.	7658.	220.5	5.804	13890.	.4913
SDev	13.11	.4968	.1085	.0051	36.4	1.956
%RSD	.235	.0065	.0492	.0873	.262	398.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8887	1.9054	-.05906	-.3426	-1.626	.95152
SDev	.82341	.10576	1.187	.6251	.1138	.82175
%RSD	43.596	5.5508	2009.6	182.5	6.996	86.362

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.434	17.29	1.5500	2.0829	9.3725	-1.8475
SDev	.0276	.1805	.48165	.08189	1.2629	1.865
%RSD	1.135	1.044	31.075	3.9318	13.475	100.95

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.6760	1.2474	5.0000	20417
SDev	2.9183	.32262	0	15.2732
%RSD	109.05	25.863	0	.0748

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 18:38 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	985.4	24620.	489.50	4702.	1989.	2022.
SDev	.4105	16.1	.79478	14.28	1.419	2.107
%RSD	.0417	.0654	.16236	.3038	.0713	.1042

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48950.	502.4	1988.	1977.	1988.	23940.
SDev	61.16	.6452	1.568	2.127	2.177	64.49
%RSD	.1249	.1284	.0789	.1076	.1095	.2694

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49630.	47870.	1958.	1956.	45790.	2000.
SDev	65.71	74.79	4.794	6.496	56.46	2.623
%RSD	.1324	.1562	.2448	.332	.1233	.1312

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499.07	496.89	491.15	4923.	4907.	999.45
SDev	1.1832	1.4895	.04589	1.105	8.847	.47564
%RSD	.23707	.29977	.00934	.0224	.1803	.04759

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1931.	2018.	493.37	498.65	494.31	501.44
SDev	2.967	1.066	.19449	2.3303	.65466	2.1007
%RSD	.1536	.0528	.03942	.46732	.13244	.41892

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.30	490.57	5.0000	20198.4
SDev	.13025	.00379	0	40.7304
%RSD	.02645	.00077	0	.20165

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 18:45 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2442	19.83	.90820	8.727	.5545	.7389
SDev	.3071	1.868	.54226	.6218	.1317	.1582
%RSD	125.8	9.418	59.708	7.125	23.75	21.4

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	56.67	.1009	.4500	.3883	.2743	5.839
SDev	5.497	.0804	.0753	.2196	.4791	.3603
%RSD	9.7	79.71	16.74	56.55	174.7	6.17

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.1	12.42	.4567	1.053	-277.8	.0504
SDev	3.611	3.023	.1771	.3752	36.12	.2208
%RSD	2.161	24.35	38.77	35.63	13.01	438.3

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9158	-.09679	1.1029	2.145	1.871	2.0119
SDev	3.1455	.21477	.35828	.3415	.4579	.80927
%RSD	164.19	221.88	32.485	15.92	24.47	40.224

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4993	.4091	-.26735	-.01164	5.4279	.16239
SDev	.1768	.3106	.26593	.18923	3.2426	3.097
%RSD	35.4	75.92	99.467	1625.2	59.74	1907.1

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0164	2.1610	5.0000	20472.1
SDev	1.912	.41739	0	19.375
%RSD	188.12	19.315	0	.09464

MISCELLANEOUS DATA

Metals Internal Chain of Custody

Date Prepared: 07/07/05 **Prep Analyst:** Karen Counts

Laboratory Sample ID			Lab ID	Method	Analysis Date	Analyst	Instrument
A5G060137	1		HEXEE	MCAWW 200.7	07/12/05	Patrick O'Meara	I5
A5G060137	1	S	HEXEE	MCAWW 200.7	07/12/05	Patrick O'Meara	I5
A5G060137	1	D	HEXEE	MCAWW 200.7	07/12/05	Patrick O'Meara	I5
A5G060137	1		HEXEE	MCAWW 245.1	07/08/05	Michaelyn List	H1
A5G060137	1	S	HEXEE	MCAWW 245.1	07/08/05	Michaelyn List	H1
A5G060137	1	D	HEXEE	MCAWW 245.1	07/08/05	Michaelyn List	H1
A5G060137	1		HEXEE	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	1	S	HEXEE	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	1	D	HEXEE	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	1		HEXEE	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	1	S	HEXEE	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	1	D	HEXEE	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	2		HEXEG	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	2		HEXEG	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	3		HEXEH	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	3		HEXEH	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	4		HEXEJ	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	4		HEXEJ	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	5		HEXEL	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	5		HEXEL	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	6		HEXEN	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	6		HEXEN	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	7		HEXEP	SW846 6010B	07/12/05	Patrick O'Meara	I5

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Metals Internal Chain of Custody

Date Prepared: 07/07/05 **Prep Analyst:** Karen Counts

Laboratory Sample ID		Lab ID	Method	Analysis Date	Analyst	Instrument
A5G060137	7	HEXEP	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	8	HEXER	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	8	HEXER	SW846 7470A	07/08/05	Michaelyn List	H1
A5G060137	9	HEXET	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G060137	9	HEXET	SW846 7470A	07/08/05	Michaelyn List	H1

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Preparation Type	Matrix	Amount of Standard added to LCS & MS/MSD		Initial Sample Vol/Wt	Final Sample Volume
		Amount	Standard name		
ICP	water	1 mL 1 mL 1.0 mL	Ag ICP-1 ICP-2A	50 mL	50 mL
ICPMS	water	0.5ml 0.5ml	ICPMS-1 ICPMS-2	50 mL	50 mL
Cd, Cr, Pb, Tl, Ag, Sb, As, Se - GFAA	water	1 mL	Graphite	50 mL	50 mL
Hg - CVAA	water	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL
Hg - CVAF (low level)	water	0.2 mL (LCS/MS/MSD)	HG ICAL	40 ml	40 ml
ICP	solid	2 mL 2 mL 2 mL	Ag ICP-1 ICP-2A	1.00 +/- .02g	100 mL
ICPMS	solid	1ml 1ml	ICPMS-1 ICPMS-2	1.00 +/- .02g	100ml
As, Se, Cd, Cr, Pb, Tl, Ag, Sb - GFAA	solid	2 mL	Graphite	1.00 +/- .02g	100 mL
Hg - CVAA	solid	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	0.60 +/- .01g	100 mL
ICP	TCLP	1 mL (LCS) 1 mL(LCS)	Ag ICP-1	50 mL	50 mL
ICP	TCLP	0.5 mL(MS/MSD)	TCLP Spike I RCRA	50 mL	50 mL
ICP	TCLP	1 mL(MS/MSD)	TCLP Spike II Non-RCRA	50 mL	50 mL
Hg - CVAA	TCLP	5 mL (LCS) 5 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL

Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.0002 ppm	0.2 mL	HG-2	0.1 ppm
0.0005 ppm	0.5 mL	HG-2	0.1 ppm
0.001 ppm	1 mL	HG-2	0.1 ppm
0.005 ppm	5 mL	HG-2	0.1 ppm
0.010 ppm	10 mL	HG-2	0.1 ppm
ICV Preparation			
0.0025 ppm	2.5 mL	HG-1	0.1 ppm
CCV Preparation:			
0.005 ppm	5 mL	HG-2	0.1 ppm

Low Level Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.5 ppt	20 ul	HG ICAL	1.0 ppb
1.0 ppt	40 ul	HG ICAL	1.0 ppb
2 ppt	80 ul	HG ICAL	1.0 ppb
5 ppt	200 ul	HG ICAL	1.0 ppb
10 ppt	400 ul	HG ICAL	1.0 ppb
25 ppt	1000 ul	HG ICAL	1.0 ppb
ICV Preparation			
5 ppt	200 ul	HG ICV	1.0 ppb
CCV Preparation:			
5 ppt	200 ul	HG ICAL	1.0 ppb

SPIKING STANDARD DEFINITIONS

Elements	Ag	ICP-1	ICP-2A	ICPMS-1	ICPMS-2	GFAA	HG-1	HG-2	HG ICAL	HG ICV	TCLP Spike I	TCLP Spike II
Ag	2.5 ppm			10ppm		0.25 ppm					100 ppm	
Al		100 ppm			100ppm							100 ppm
As		100 ppm		10ppm		2.0 ppm					500 ppm	
Ba		100 ppm		10ppm							5000 ppm	
Be		2.5 ppm		10ppm								2.5 ppm
Cd		2.5 ppm		10ppm		0.2 ppm					100 ppm	
Ca			2500 ppm		100ppm							
Co		25 ppm		10ppm								25 ppm
Cr		10 ppm		10ppm		0.5 ppm					500 ppm	
Cu		12.5 ppm		10ppm								12.5 ppm
Fe		50 ppm			100ppm							50 ppm
Hg							0.1 ppm	0.1 ppm	1.0 ppb	1.0 ppb		
K			2500 ppm		100ppm							
Mg			2500 ppm		100ppm							
Mn		25 ppm		10ppm								25 ppm
Na			2500 ppm		100ppm							
Ni		25 ppm		10ppm								25 ppm
Pb		25 ppm		10ppm		2.0 ppm					500 ppm	
Sb		25 ppm		10ppm		2.0 ppm						25 ppm
Se		100 ppm		10ppm		2.0 ppm					100 ppm	
Tl		100 ppm		10ppm		2.0 ppm						100 ppm
V		25 ppm		10ppm								25 ppm
Zn		25 ppm		10ppm								25 ppm
B		50 ppm		10ppm								50 ppm
Sr		50 ppm		10ppm								
Mo		50 ppm		10ppm								50 ppm
W		50 ppm		10ppm								
Sn		100 ppm		10ppm								100 ppm
Zr		50 ppm		10ppm								
Ti		50 ppm		10ppm								

STL North Canton
Revised 4/5/02
N:\Metals\Preplog.xls

DATE: 7.7.05

METALS PREPARATION REAGENTS/STANDARDS

Reagents and Standards listed on this form are used for the entire day's prep batches unless otherwise noted on the individual prep log.

REAGENT NAME	REAGENT NUMBER
1:1 HNO_3 (nitric acid)	5MR466
1:1 HCl (hydrochloric acid)	5MR433
HNO_3 (nitric acid)	5MR447
HCl (hydrochloric acid)	5MR439
$KMnO_4$ (potassium permanganate)	5MR456
$K_2S_2O_8$ (potassium persulfate)	5MR457
H_2O_2 (hydrogen peroxide)	5MR440
H_2SO_4 (sulfuric acid)	5MR310
HCl/HNO_3 (aqua regia)	5MR465

STANDARD NAME	STANDARD/LOT NUMBER
ICP-1	5G373
ICP-2A	5G374
RCRA	USEO 0639
non-RCRA	USFO 0171
Ag	5F351
Hg	5G375
ICPMS-1	———
ICPMS-2	———

Waters

Hg time in the water bath 9:00 am

Hg time out of the water bath 11:00 am

Solids

Hg time in the water bath 12:50 pm

Hg time out of the water bath 1:20 pm

Times listed are for the waters and solids for that day unless otherwise noted.

STL North Canton
Revision Date: 09/28/04
n:\metals\reagent1.doc

Hg Standard Curve Preparation Summary

Date: 7.7.05

Time In: 1:20 pm

Time Out: 3:20 pm

water curve

Standard Concentrations	Standard Numbers
S0	
0.2 ppb	
CRA - 0.2 ppb	
0.5 ppb	
1.0 ppb	STD 5G376
5.0 ppb	
10.0 ppb	
CCV - 5.0 ppb	
CCB	
ICV - 2.5 ppb	STD 5G375
ICB	

Solid curve

in 9:00 am

out 9:30 am

GENERAL CHEMISTRY DATA

SEVERN TRENT STL

SAMPLE DATA

Matrix Environmental, Inc.

Client Sample ID: MW-211

General Chemistry

Lot-Sample #...: A5G060137-001 **Work Order #...:** HEXEE **Matrix.....:** WG
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**345**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188142**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188145
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**148**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-F

General Chemistry

Lot-Sample #...: A5G060137-002 **Work Order #...:** HEXEG **Matrix.....:** WG
Date Sampled...: 07/05/05 15:30 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**0.38 B**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/11/05**	**5192636**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**83.7**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188142**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.025 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188145**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**27.7**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-D

General Chemistry

Lot-Sample #...: A5G060137-003 **Work Order #...:** HEXEH **Matrix.....:** WG
Date Sampled...: 07/05/05 14:20 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**387**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188147**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.027 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188145**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**84.2**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-403

General Chemistry

Lot-Sample #...: A5G060137-004 **Work Order #...:** HEXEJ **Matrix.....:** WG
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**21.9**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188147**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.019 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188145**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**148**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-405

General Chemistry

Lot-Sample #...: A5G060137-005 **Work Order #...:** HEXEL **Matrix.....:** WG
Date Sampled...: 07/05/05 15:04 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**187**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188147**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**2.3**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188145**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**47.2**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-E2

General Chemistry

Lot-Sample #...: A5G060137-006 **Work Order #...:** HEXEN **Matrix.....:** WG
Date Sampled...: 07/05/05 14:07 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**347**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188147**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	**0.0041 B**	**0.010**	**mg/L**	**SW846 9012A**	**07/15/05**	**5196286**
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.022 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188145**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND G	0.50	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 5		MDL.....: 0.085		
Sulfate	**138**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Matrix Environmental, Inc.

Client Sample ID: MW-212

General Chemistry

Lot-Sample #...: A5G060137-007 **Work Order #...:** HEXEP **Matrix.....:** WG
Date Sampled...: 07/05/05 18:22 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**28.6**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188147**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.035 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188145**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**98.7**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-E1

General Chemistry

Lot-Sample #...: A5G060137-008 **Work Order #...:** HEXER **Matrix.....:** WG
Date Sampled...: 07/05/05 12:04 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**743**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188147**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188145
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND G	0.50	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 5		MDL.....: 0.085		
Sulfate	**44.4**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Matrix Environmental, Inc.

Client Sample ID: MW-406

General Chemistry

Lot-Sample #...: A5G060137-009 **Work Order #...:** HEXET **Matrix.....:** WG
Date Sampled...: 07/05/05 14:20 **Date Received..:** 07/06/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**256**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188147**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188145
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**8.1**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/06/05**	**5188141**
		Dilution Factor: 1		MDL.....: 0.11		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		Work Order #: HE85N1AA		MB Lot-Sample #:	A5G110000-636	
	ND	0.50	mg/L	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1				
Chloride		Work Order #: HE0881AA		MB Lot-Sample #:	A5G070000-142	
	ND	1.0	mg/L	MCAWW 300.0A	07/06/05	5188142
		Dilution Factor: 1				
Chloride		Work Order #: HE09H1AA		MB Lot-Sample #:	A5G070000-147	
	ND	1.0	mg/L	MCAWW 300.0A	07/07/05	5188147
		Dilution Factor: 1				
Cyanide, Total		Work Order #: HFKVE1AA		MB Lot-Sample #:	A5G150000-286	
	ND	0.010	mg/L	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1				
Nitrate as N		Work Order #: HE09E1AA		MB Lot-Sample #:	A5G070000-145	
	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188145
		Dilution Factor: 1				
Nitrite as N		Work Order #: HE09F1AA		MB Lot-Sample #:	A5G070000-146	
	ND	0.10	mg/L	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1				
Sulfate		Work Order #: HE0851AA		MB Lot-Sample #:	A5G070000-141	
	ND	1.0	mg/L	MCAWW 300.0A	07/06/05	5188141
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A5G060137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#:HE85N1AC-LCS/HE85N1AD-LCSD LCS Lot-Sample#: A5G110000-636					
	99	(83 - 110)			SW846 9030B/9034	07/11/05	5192636
	98	(83 - 110)	1.0	(0-20)	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1					
Chloride		WO#:HE0881AC-LCS/HE0881AD-LCSD LCS Lot-Sample#: A5G070000-142					
	91	(90 - 110)			MCAWW 300.0A	07/06/05	5188142
	91	(90 - 110)	0.33	(0-20)	MCAWW 300.0A	07/06/05	5188142
		Dilution Factor: 1					
Chloride		WO#:HE09H1AC-LCS/HE09H1AD-LCSD LCS Lot-Sample#: A5G070000-147					
	91	(90 - 110)			MCAWW 300.0A	07/07/05	5188147
	90	(90 - 110)	0.31	(0-20)	MCAWW 300.0A	07/07/05	5188147
		Dilution Factor: 1					
Nitrate as N		WO#:HE09E1AC-LCS/HE09E1AD-LCSD LCS Lot-Sample#: A5G070000-145					
	95	(90 - 110)			MCAWW 300.0A	07/06/05	5188145
	94	(90 - 110)	1.7	(0-20)	MCAWW 300.0A	07/06/05	5188145
		Dilution Factor: 1					
Nitrite as N		WO#:HE09F1AC-LCS/HE09F1AD-LCSD LCS Lot-Sample#: A5G070000-146					
	96	(90 - 110)			MCAWW 300.0A	07/06/05	5188146
	95	(90 - 110)	0.84	(0-20)	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1					
Sulfate		WO#:HE0851AC-LCS/HE0851AD-LCSD LCS Lot-Sample#: A5G070000-141					
	91	(90 - 110)			MCAWW 300.0A	07/06/05	5188141
	91	(90 - 110)	0.77	(0-20)	MCAWW 300.0A	07/06/05	5188141
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: A5G060137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#:HE85N1AC-LCS/HE85N1AD-LCSD		LCS Lot-Sample#: A5G110000-636				
	15.5	15.4	mg/L	99		SW846 9030B/9034	07/11/05	5192636
	15.5	15.3	mg/L	98	1.0	SW846 9030B/9034	07/11/05	5192636
		Dilution Factor: 1						
Chloride		WO#:HE0881AC-LCS/HE0881AD-LCSD		LCS Lot-Sample#: A5G070000-142				
	50.0	45.6	mg/L	91		MCAWW 300.0A	07/06/05	5188142
	50.0	45.4	mg/L	91	0.33	MCAWW 300.0A	07/06/05	5188142
		Dilution Factor: 1						
Chloride		WO#:HE09H1AC-LCS/HE09H1AD-LCSD		LCS Lot-Sample#: A5G070000-147				
	50.0	45.3	mg/L	91		MCAWW 300.0A	07/07/05	5188147
	50.0	45.2	mg/L	90	0.31	MCAWW 300.0A	07/07/05	5188147
		Dilution Factor: 1						
Nitrate as N		WO#:HE09E1AC-LCS/HE09E1AD-LCSD		LCS Lot-Sample#: A5G070000-145				
	2.5	2.4	mg/L	95		MCAWW 300.0A	07/06/05	5188145
	2.5	2.3	mg/L	94	1.7	MCAWW 300.0A	07/06/05	5188145
		Dilution Factor: 1						
Nitrite as N		WO#:HE09F1AC-LCS/HE09F1AD-LCSD		LCS Lot-Sample#: A5G070000-146				
	2.5	2.4	mg/L	96		MCAWW 300.0A	07/06/05	5188146
	2.5	2.4	mg/L	95	0.84	MCAWW 300.0A	07/06/05	5188146
		Dilution Factor: 1						
Sulfate		WO#:HE0851AC-LCS/HE0851AD-LCSD		LCS Lot-Sample#: A5G070000-141				
	50.0	45.6	mg/L	91		MCAWW 300.0A	07/06/05	5188141
	50.0	45.3	mg/L	91	0.77	MCAWW 300.0A	07/06/05	5188141
		Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: HFKVE1AC	LCS Lot-Sample#: A5G150000-286		
	105	(69 - 118)	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	Work Order #: HFKVE1AC				LCS Lot-Sample#: A5G150000-286		
	0.17	0.17	mg/L	105	SW846 9012A	07/15/05	5196286
	Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WATER
Date Sampled...: 06/28/05 12:45 **Date Received..:** 06/29/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #...: HETWL1A6		MS Lot-Sample #: A5G020106-001	
	86	(80 - 120)	MCAWW 300.0A	07/07/05	5188142
		Dilution Factor: 1			
Sulfate		Work Order #...: HEPM91CA		MS Lot-Sample #: A5F300316-001	
	100	(80 - 120)	MCAWW 300.0A	07/06/05	5188141
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WATER
Date Sampled...: 06/28/05 12:45 **Date Received..:** 06/29/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...: HETWL1A6			MS Lot-Sample #: A5G020106-001		
	11.1	50.0	54.4	mg/L	86	MCAWW 300.0A	07/07/05	5188142
			Dilution Factor: 1					
Sulfate			Work Order #...: HEPM91CA			MS Lot-Sample #: A5F300316-001		
	1.2	50.0	51.4	mg/L	100	MCAWW 300.0A	07/06/05	5188141
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #...: HEXEJ1CD		MS Lot-Sample #: A5G060137-004	
	100	(80 - 120)	MCAWW 300.0A	07/06/05	5188147
		Dilution Factor: 1			
Nitrate as N		Work Order #...: HEXEJ1CA		MS Lot-Sample #: A5G060137-004	
	98	(80 - 120)	MCAWW 300.0A	07/06/05	5188145
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...: HEXEJ1CD			MS Lot-Sample #: A5G060137-004		
	21.9	50.0	71.9	mg/L	100	MCAWW 300.0A	07/06/05	5188147
			Dilution Factor: 1					
Nitrate as N			Work Order #...: HEXEJ1CA			MS Lot-Sample #: A5G060137-004		
	0.019	2.5	2.5	mg/L	98	MCAWW 300.0A	07/06/05	5188145
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: HEXEJ1CE-MS/HEXEJ1CF-MSD				MS Lot-Sample #: A5G060137-004	
	97	(42 - 140)			SW846 9012A	07/15/05	5196286
	96	(42 - 140)	1.6	(0-20)	SW846 9012A	07/15/05	5196286
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G060137 **Matrix.....:** WG
Date Sampled...: 07/05/05 11:00 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#: HEXEJ1CE-MS/HEXEJ1CF-MSD				MS Lot-Sample #: A5G060137-004		
	ND	0.040	0.039	mg/L	97		SW846 9012A	07/15/05	5196286
	ND	0.040	0.038	mg/L	96	1.6	SW846 9012A	07/15/05	5196286

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): TC

Batch(es): 518814 1/2/3/4/5/6/7

Method #/SOP#: 300.0

QC Elements	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?	✓			✓		
2. Calibration curve consist of the minimum number of calibration standards?	✓			✓		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)	✓			✓		
4. ICB analyzed immediately after ICV and within criteria (± RL)?	✓			✓		
Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			✓		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			✓		
Sample Runs						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?	✓			✓		
2. All reported results bracketed by in control QC ?	✓			✓	C	
3. Sample analyses done within holding time ?	✓			✓		
Batch QC						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			✓		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓	✓ RW 7/7/05		
Titrant						
1. Titrant standardized?			✓			✓
2. If so, standardization expires						
Miscellaneous						
1. Are all non-conformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?	✓			✓		
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?	✓			✓		
5. Date/time of preparation and analysis verified as correct ?	✓			✓		
6. Units verified as correct?	✓			✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?	✓			✓		
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓		✓	✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s):

Level I reviewer: Rebecca Nolan Date: 7/7/05

Level II Reviewer: Angela Dent Date: 7/7/05

Level I review:

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX-320 062005.met

Instrument : DX320

5188144 5188142 5188143 5188146 5188147 5188145

Date Analyzed: 7/6/05

5188141

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
	DX320	RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	20-Jun-05	Highest Cal Std conc & area			10	1212466	200	23125052	10	1682988.7	40	1459965.2	10	2112276	10	926912.8	200	15542477
3	7/6/05 14:16	ICV	L	1	P 100%	2.49	P 95%	47.57	P 98%	2.44	P 98%	9.78	P 98%	2.45	P 93%	2.32	P 94%	47.18
4	7/6/05 14:34	ICB	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	ND	P< 1	ND
5	7/6/05 14:51	LCS	L	1	P 98%	2.44	P 91%	45.56	P 96%	2.39	P 95%	9.50	P 95%	2.38	P 93%	2.32	P 91%	45.64
6	7/6/05 15:09	LCS DUP	L	1	P 97%	2.43	P 91%	45.41	P 95%	2.37	P 94%	9.41	P 94%	2.34	P 96%	2.40	P 91%	45.29
7	7/6/05 17:25	HEXEE	L	1	1	0.178692426 B	1	Dil 2X	0.5	ND	0.5	0.107481024 B	0.1	ND	0.5	0.02740001 B	1	148.11
8	7/6/05 17:43	HEXEE	L	5	5 G	0.125615374 B	(5)	345.48	2.5 G	ND	2.5 G	ND	0.5 G	0.034140538 B	2.5 G	ND	5	127.53
9	7/6/05 18:00	HEXEG	L	1	1	0.251779602 B	1	83.67	0.5	ND	0.5	0.52	0.1	0.02458342 B	0.5	0.014565862 B	1	27.74
10	7/6/05 18:17	HEXEG	L	5	5 G	0.221924708 B	5	74.15	2.5 G	ND	2.5 G	0.534015038 B	0.5 G	ND	2.5 G	0.061022088 B	5	24.08
11	7/6/05 18:35	HEXEH	L	1	1	0.175517422 B	1	Dil 5X	0.5	ND	0.5	ND	0.1	0.027339817 B	0.5	0.016510719 B	1	84.17
12	7/6/05 18:52	HEXEH	L	5	5 G	0.167106935 B	(5)	386.97	2.5 G	ND	2.5 G	0.418466592 B	0.5 G	ND	2.5 G	0.204925197 B	5	70.88
13	7/6/05 19:10	HEXEJ ORG	L	1	1	0.698092122 B	1	21.92	0.5	ND	0.5	0.232595094 B	0.1	0.018696235 B	0.5	ND	1	148.47
14	7/6/05 19:27	HEXEJ MS	L	1	P 109%	3.42	P 100%	71.88	P 143%	3.68	P 96%	9.88	P 98%	2.47	P 205%	5.13	P 75%	185.89
15	7/6/05 19:45	HEXEL	L	1	1	0.442479392 B	1	186.64	0.5	ND	0.5	0.300078501 B	0.1	2.28	0.5	0.186410071 B	1	47.25
16	7/6/05 20:02	HEXEL	L	5	5 G	0.300159654 B	5	175.01	2.5 G	ND	2.5 G	0.212290749 B	0.5	2.15	2.5 G	0.125447429 B	5	40.67
17	7/6/05 20:19	CCV #1	L	1	P 103%	2.56	P 95%	47.49	P 95%	2.37	P 98%	9.78	P 98%	2.44	Out 121%	3.01	P 94%	47.12
18	7/6/05 20:37	CCB #1	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.025102239 B	P< 1	0.034884323 B
19	7/6/05 20:54	HEXEN	L	1	1	0.077751888 B	1	Dil 2X	0.5	ND	0.5	0.454628434 B	0.1	0.021744616 B	0.5	0.035175568 B	1	137.79
20	7/6/05 21:12	HEXEN	L	5	5 G	0.123965384 B	(5)	346.56	2.5 G	ND G	2.5 G	0.371463071 B	0.5 G	ND	2.5 G	0.276764657 B	5	120.87
21	7/6/05 21:29	HEXEP	L	1	1	0.312466784 B	1	28.64	0.5	ND	0.5	0.088052912 B	0.1	0.034808027 B	0.5	ND	1	98.72
22	7/6/05 21:46	HEXEP	L	5	5 G	0.216450629 B	5	24.79	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.093292889 B	5	81.80
23	7/6/05 22:04	HEXER	L	1	1	0.573085676 B	1	Dil 5X	0.5	ND	0.5	ND	0.1	ND	0.5	0.014017478 B	1	44.39
24	7/6/05 22:21	HEXER	L	5	5 G	0.444827479 B	(5)	742.56	2.5 G	ND G	2.5 G	ND	0.5 G	ND	2.5 G	ND	5	36.74
25	7/6/05 22:39	HEXET	L	1	1	0.097820064 B	1	Dil 2X	0.5	ND	0.5	0.52	0.1	ND	0.5	ND	1	8.11
26	7/6/05 22:56	HEXET	L	5	5 G	0.201514227 B	(5)	256.01	2.5 G	ND	2.5 G	0.760551867 B	0.5 G	ND	2.5 G	0.056292847 B	5	7.15
27	7/6/05 23:13	HEPM9 ORG	L	1	1	1.39	1	59.95	0.5	ND	0.5	0.158681483 B	0.1	0.27	0.5	0.010998196 B	1	1.20

G - diluted for another analyte or matrix
B - estimated result, < RL

IC PeakNet 5'1 Data Summary 2000 FOR DX320.xls
VER . 2000 09 05

501

STL North Canton

Client WR50547
ICV IC051
LCS IC051

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX-320 062005.met Instrument : DX320 Date Analyzed: 7/6/05

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
	DX320	RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	20-Jun-05	Highest Cal Std conc & area			10	1212466	200	23125052	10	1682988.7	40	1459965.2	10	2112276	10	926912.8	200	15542477
28	7/6/05 23:31	HEPM9 MS	L	1	P 125%	4.52	P 100%	110.15	P 96%	2.40	P 100%	10.17	P 101%	2.79	P 202%	5.06	P 100%	51.44
29	7/6/05 23:48	CCV #2	L	1	P 104%	2.60	P 95%	47.48	P 95%	2.38	P 97%	9.73	P 98%	2.45	Out 127%	3.17	P 94%	47.00
30	7/7/05 0:06	CCB #2	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.242567147 B	P< 1	ND
31	7/7/05 0:23	LCS	L	1	P 99%	2.47	P 91%	45.30	P 94%	2.35	P 94%	9.43	P 95%	2.37	P 108%	2.71	P 90%	44.86
32	7/7/05 0:40	LCS DUP	L	1	P 98%	2.45	P 90%	45.16	P 94%	2.34	P 94%	9.41	P 95%	2.37	P 110%	2.75	Out 88%	44.71
33	7/7/05 0:58	HEPPC	L	2	2 G	0.542725428 B	(2)	174.89	1 G	ND	1 G	ND	0.2	1.69	1 G	0.110140403 B	(2)	107.06
34	7/7/05 1:15	HEPPJ	L	2	2 G	0.455135496 B	(2)	151.02	1 G	ND	1 G	0.073017483 B	0.2	1.70	1 G	0.088189892 B	(2)	103.34
35	7/7/05 1:33	HER9J	L	5	5 G	0.351769023 B	(5)	329.81	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.065283731 B	(5)	100.45
36	7/7/05 1:50	HETA1	L	5	5 G	0.180005597 B	(5)	135.10	2.5 G	ND	2.5 G	ND	0.5 G	0.24132830 8 B	2.5 G	0.383631649 B	(5)	104.58
37	7/7/05 2:08	HETA4	L	2	2 G	0.119625327 B	(2)	113.24	1 G	ND	1 G	ND	0.2 G	0.01380018 2 B	1 G	0.075882118 B	(2)	91.59
38	7/7/05 2:25	HETCA	L	5	5 G	0.767578378 B	(5)	723.25	2.5 G	ND	2.5 G	ND	0.5 G	0.03007858 3 B	2.5 G	ND	(5)	146.37
39	7/7/05 2:42	HETCF	L	5	5 G	0.493786215 B	(5)	65.65	2.5 G	ND	2.5 G	ND	0.5 G	0.14599840 8 B	2.5 G	0.179438318 B	(5)	214.09
40	7/7/05 3:00	HETCJ	L	10	10 G	0.535758984 B	(10)	1559.11	5 G	ND	5 G	ND	1 G	ND	5 G	0.144935945 B	(10)	99.19
41	7/7/05 3:17	CCV #3	L	1	P 101%	2.54	P 94%	47.11	P 94%	2.34	P 97%	9.73	P 98%	2.44	Out 117%	2.93	P 94%	46.93
42	7/7/05 3:35	CCB #3	L	1	P< 1	ND	P< 1	0.024536662 B	P< 0.5	0.006734369 B	P< 0.5	ND	P< 0.1	0.00595834 5 B	P< 0.5	0.135815615 B	P< 1	ND
43	7/7/05 3:52	HETCL	L	20	20 G	0.652691479 B	(20)	3455.44	10 G	ND	10 G	ND	2 G	0.72338878 5 B	10 G	0.447098521 B	(20)	375.40
44	7/7/05 4:09	HETCN	L	5	5 G	ND	(5)	113.02	2.5 G	ND	2.5 G	0.230593788 B	0.5 G	ND	2.5 G	0.084184944 B	(5)	215.24
45	7/7/05 4:27	HETWL ORG	L	2	2 G	1.092897717 B	(2)	11.14	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.048091646 B	2	81.24
46	7/7/05 4:44	HETWL MS	L	2	P 118%	4.03	P 86%	54.37	P 91%	2.27	P 94%	9.44	P 93%	2.33	P 227%	5.71	P 91%	126.96
47	7/7/05 5:02	HETWQ	L	1	1	ND	1	0.055737049 B	0.5	ND	0.5	ND	0.1	ND	0.5	0.362741982 B	1	0.075367416 B
48	7/7/05 5:19	HETWR	L	2	2	2.38	(2)	6.38	1 G	ND	1 G	ND	0.2 G	ND	1 G	ND	2	147.41
49	7/7/05 5:36	HETWT	L	2	2 G	0.530503385 B	(2)	9.65	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.07298483 B	2	203.51
50	7/7/05 5:54	HETWV	L	2	2 G	0.488926834 B	(2)	9.47	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.119889339 B	2	202.03
51	7/7/05 6:11	HETWW	L	2	2 G	1.803884489 B	(2)	7.89	1 G	ND	1 G	ND	0.2 G	ND	1 G	0.114719366 B	2	90.55
52	7/7/05 6:29	HETWX	L	2	2 G	0.830607851 B	(2)	15.05	1 G	ND	1 G	ND	0.2 G	0.04695189 B	1 G	0.0358314 B	2	83.74

G - diluted for another analyte or matrix
B - estimated result, < RL

STL North Canton

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX-320 062005.met Instrument : DX320 Date Analyzed: 7/6/05

Units: mg/L or mg/Kg

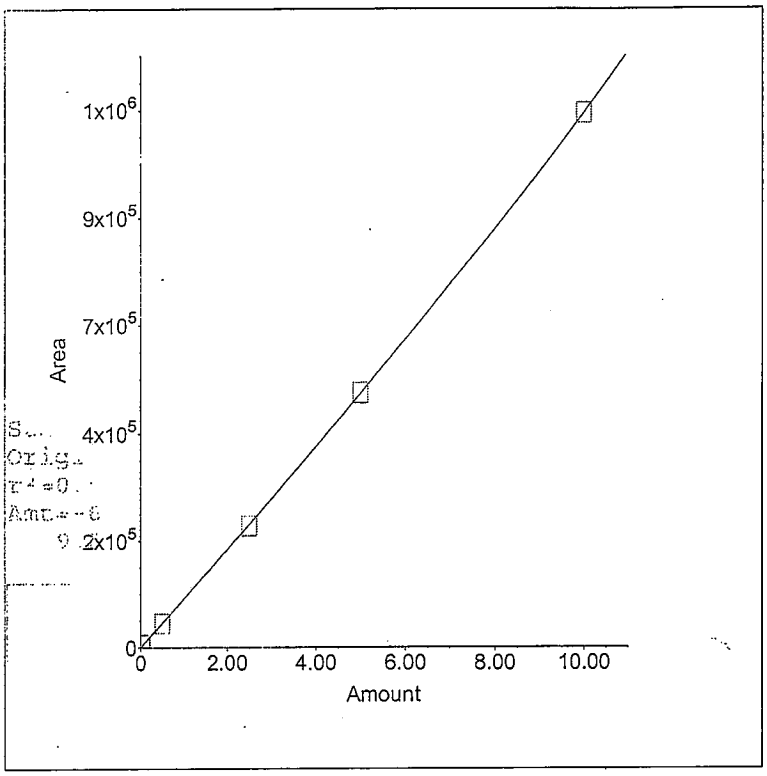
Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
	DX320	RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	20-Jun-05	Highest Cal Std conc & area			10	1212466	200	23125052	10	1682988.7	40	1459965.2	10	2112276	10	926912.8	200	15542477
53	7/7/05 6:46	CCV #4	L	1	P 101%	2.53	P 95%	47.34	P 95%	2.37	P 97%	9.69	P 97%	2.44	Out 121%	3.02	P 94%	47.14
54	7/7/05 7:03	CCB #4	L	1	P< 1	ND	P< 1	0.025334297 B	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.025986486 B	P< 1	ND
55	7/7/05 7:21	HETW0	L	1	1	ND	1	0.090684675 B	0.5	ND	0.5	ND	0.1	0.028152909 B	0.5	0.053482242 B	1	0.037825458 B
56	7/7/05 7:38	HEWFH LB	L	1	1	ND	1	0.195146129 B	0.5	0.007420405 B	0.5	ND	0.1	ND	0.5	0.015442641 B	1	0.148739735 B
57	7/7/05 7:56	HER0N	L	1	1	4.44	1	1.60	0.5	ND	0.5	ND	0.1	0.029015754 B	0.5	0.04233911 B	1	2.53
58	7/7/05 8:13	HERXP	L	1	1	0.06750832 B	1	2.41	0.5	ND	0.5	ND	0.1	ND	0.5	0.142602902 B	1	7.70
59	7/7/05 8:30	CCV	L	1	P 101%	2.53	P 94%	46.92	P 94%	2.35	P 97%	9.75	P 98%	2.44	Out 118%	2.95	P 94%	47.11
60	7/7/05 8:48	CCB	L	1	P< 1	ND	P< 1	0.032831627 B	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.037260844 B	P< 1	ND
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!

G - diluted for another analyte or matrix
B - estimated result, < RL

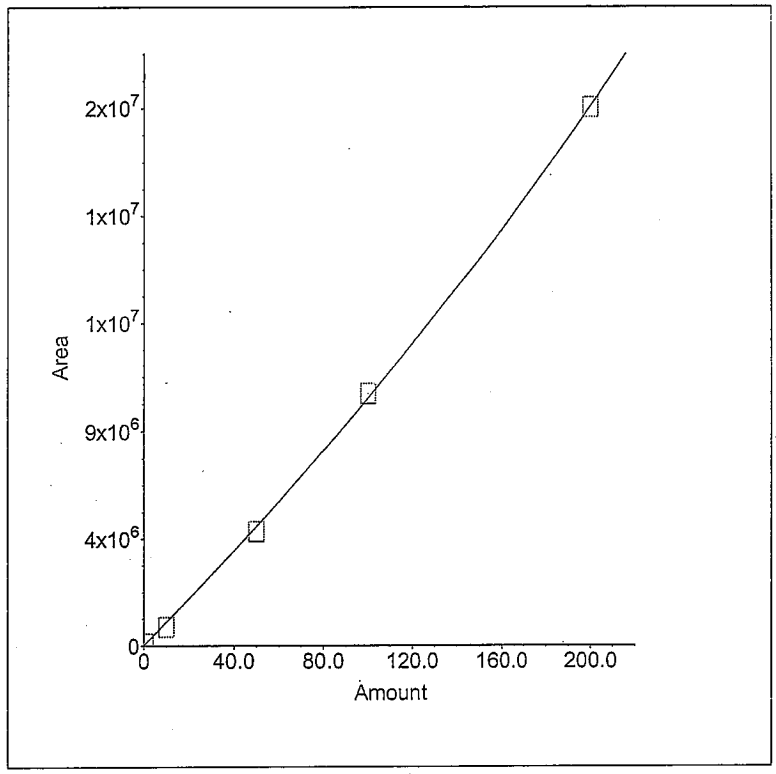
Line	Sample	Sample Type	Level	Method	Data File	Dilution	Weight
1	CE	Sample		dx-320 062005.met	dx 320 data\070605\ce_001.dxd	1	1
2	RINSE	Sample		dx-320 062005.met	dx 320 data\070605\rinse_002.dxd	1	1
3	ICV	Sample		dx-320 062005.met	dx 320 data\070605\icv_003.dxd	1	1
4	ICB	Sample		dx-320 062005.met	dx 320 data\070605\icb_004.dxd	1	1
5	LCS	Sample		dx-320 062005.met	dx 320 data\070605\lcs_005.dxd	1	1
6	LCS DUP	Sample		dx-320 062005.met	dx 320 data\070605\lcs dup_006.dxd	1	1
7	HEXEE	Sample		dx-320 062005.met	dx 320 data\070605\hexee_007.dxd	1	1
8	HEXEE	Sample		dx-320 062005.met	dx 320 data\070605\hexee_008.dxd	5	1
9	HEXEG	Sample		dx-320 062005.met	dx 320 data\070605\hexeg_009.dxd	1	1
10	HEXEG	Sample		dx-320 062005.met	dx 320 data\070605\hexeg_010.dxd	5	1
11	HEXEH	Sample		dx-320 062005.met	dx 320 data\070605\hexeh_011.dxd	1	1
12	HEXEH	Sample		dx-320 062005.met	dx 320 data\070605\hexeh_012.dxd	5	1
13	HEXEJ ORG	Sample		dx-320 062005.met	dx 320 data\070605\hexej org_013.dxd	1	1
14	HEXEJ MS	Sample		dx-320 062005.met	dx 320 data\070605\hexej ms_014.dxd	1	1
15	HEXEL	Sample		dx-320 062005.met	dx 320 data\070605\hexel_015.dxd	1	1
16	HEXEL	Sample		dx-320 062005.met	dx 320 data\070605\hexel_016.dxd	5	1
17	CCV #1	Sample		dx-320 062005.met	dx 320 data\070605\ccv #1_017.dxd	1	1
18	CCB #1	Sample		dx-320 062005.met	dx 320 data\070605\ccb #1_018.dxd	1	1
19	HEXEN	Sample		dx-320 062005.met	dx 320 data\070605\hexen_019.dxd	1	1
20	HEXEN	Sample		dx-320 062005.met	dx 320 data\070605\hexen_020.dxd	5	1
21	HEXEP	Sample		dx-320 062005.met	dx 320 data\070605\hexep_021.dxd	1	1
22	HEXEP	Sample		dx-320 062005.met	dx 320 data\070605\hexep_022.dxd	5	1
23	HEXER	Sample		dx-320 062005.met	dx 320 data\070605\hexer_023.dxd	1	1
24	HEXER	Sample		dx-320 062005.met	dx 320 data\070605\hexer_024.dxd	5	1
25	HEXET	Sample		dx-320 062005.met	dx 320 data\070605\hexet_025.dxd	1	1
26	HEXET	Sample		dx-320 062005.met	dx 320 data\070605\hexet_026.dxd	5	1
27	HEPM9 ORG	Sample		dx-320 062005.met	dx 320 data\070605\hepm9 org_027.dxd	1	1
28	HEPM9 MS	Sample		dx-320 062005.met	dx 320 data\070605\hepm9 ms_028.dxd	1	1
29	CCV #2	Sample		dx-320 062005.met	dx 320 data\070605\ccv #2_029.dxd	1	1
30	CCB #2	Sample		dx-320 062005.met	dx 320 data\070605\ccb #2_030.dxd	1	1
31	LCS	Sample		dx-320 062005.met	dx 320 data\070605\lcs_031.dxd	1	1
32	LCS DUP	Sample		dx-320 062005.met	dx 320 data\070605\lcs dup_032.dxd	1	1
33	HEPPC	Sample		dx-320 062005.met	dx 320 data\070605\heppc_033.dxd	2	1
34	HEPPJ	Sample		dx-320 062005.met	dx 320 data\070605\heppj_034.dxd	2	1
35	HER9J	Sample		dx-320 062005.met	dx 320 data\070605\her9j_035.dxd	5	1
36	HETA1	Sample		dx-320 062005.met	dx 320 data\070605\heta1_036.dxd	5	1
37	HETA4	Sample		dx-320 062005.met	dx 320 data\070605\heta4_037.dxd	2	1
38	HETCA	Sample		dx-320 062005.met	dx 320 data\070605\hetca_038.dxd	5	1
39	HETCF	Sample		dx-320 062005.met	dx 320 data\070605\hetcf_039.dxd	5	1
40	HETCJ	Sample		dx-320 062005.met	dx 320 data\070605\hetcj_040.dxd	10	1
41	CCV #3	Sample		dx-320 062005.met	dx 320 data\070605\ccv #3_041.dxd	1	1
42	CCB #3	Sample		dx-320 062005.met	dx 320 data\070605\ccb #3_042.dxd	1	1
43	HETCL	Sample		dx-320 062005.met	dx 320 data\070605\hetcl_043.dxd	20	1
44	HETCN	Sample		dx-320 062005.met	dx 320 data\070605\hetcn_044.dxd	5	1
45	HETWL ORG	Sample		dx-320 062005.met	dx 320 data\070605\hetwl org_045.dxd	2	1
46	HETWL MS	Sample		dx-320 062005.met	dx 320 data\070605\hetwl ms_046.dxd	2	1
47	HETWQ	Sample		dx-320 062005.met	dx 320 data\070605\hetwq_047.dxd	1	1
48	HETWR	Sample		dx-320 062005.met	dx 320 data\070605\hetwr_048.dxd	2	1
49	HETWT	Sample		dx-320 062005.met	dx 320 data\070605\hetwt_049.dxd	2	1
50	HETWV	Sample		dx-320 062005.met	dx 320 data\070605\hetwv_050.dxd	2	1
51	HETWW	Sample		dx-320 062005.met	dx 320 data\070605\hetww_051.dxd	2	1
52	HETWX	Sample		dx-320 062005.met	dx 320 data\070605\hetwx_052.dxd	2	1
53	CCV #4	Sample		dx-320 062005.met	dx 320 data\070605\ccv #4_053.dxd	1	1
54	CCB #4	Sample		dx-320 062005.met	dx 320 data\070605\ccb #4_054.dxd	1	1
55	HETW0	Sample		dx-320 062005.met	dx 320 data\070605\hetw0_055.dxd	1	1
56	HEWFH LB	Sample		dx-320 062005.met	dx 320 data\070605\hewfh lb_056.dxd	1	1
57	HER0N	Sample		dx-320 062005.met	dx 320 data\070605\her0n_057.dxd	1	1
58	HERXP	Sample		dx-320 062005.met	dx 320 data\070605\herxp_058.dxd	1	1
59	CCV	Sample		dx-320 062005.met	dx 320 data\070605\ccv_059.dxd	1	1
60	CCB	Sample		dx-320 062005.met	dx 320 data\070605\ccb_060.dxd	1	1
		Sample		halt.met	47	1	1
		Sample		halt.met	48	1	1
		Sample		dx-320 062005.met	49	1	1
		Sample		dx-320 062005.met	50	1	1
	CCV #5	Sample		dx-320 062005.met	ccv #5	1	1
	CCB #5	Sample		dx-320 062005.met	ccb #5	1	1
67		Sample		generic.met	51	1	1
68		Sample		generic.met	52	1	1
69		Sample		generic.met	53	1	1
70		Sample		generic.met	54	1	1
71		Sample		generic.met	55	1	1
72		Sample		generic.met	56	1	1
73		Sample		generic.met	57	1	1
74		Sample		generic.met	58	1	1
75		Sample		generic.met	59	1	1
76		Sample		generic.met	60	1	1
77	CCV #6	Sample		generic.met	ccv #6	1	1
78	CCB #6	Sample		generic.met	ccb #6	1	1
79		Sample		generic.met	80	1	1

verified
GRN
7/7/05

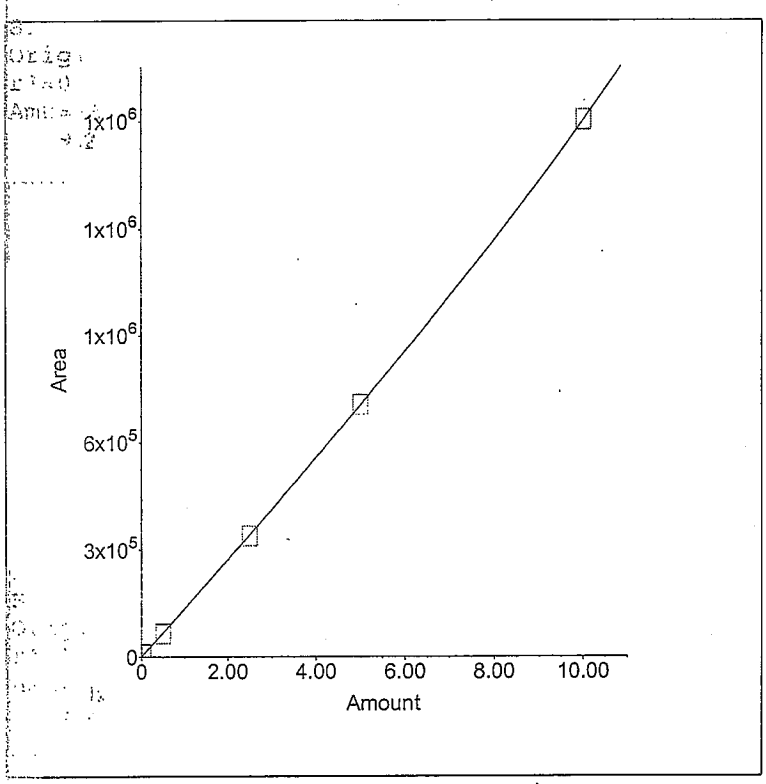
1. Component:F
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999979
Amt=-6.802238e-013*Resp^2+
9.069623e-006*Resp+0



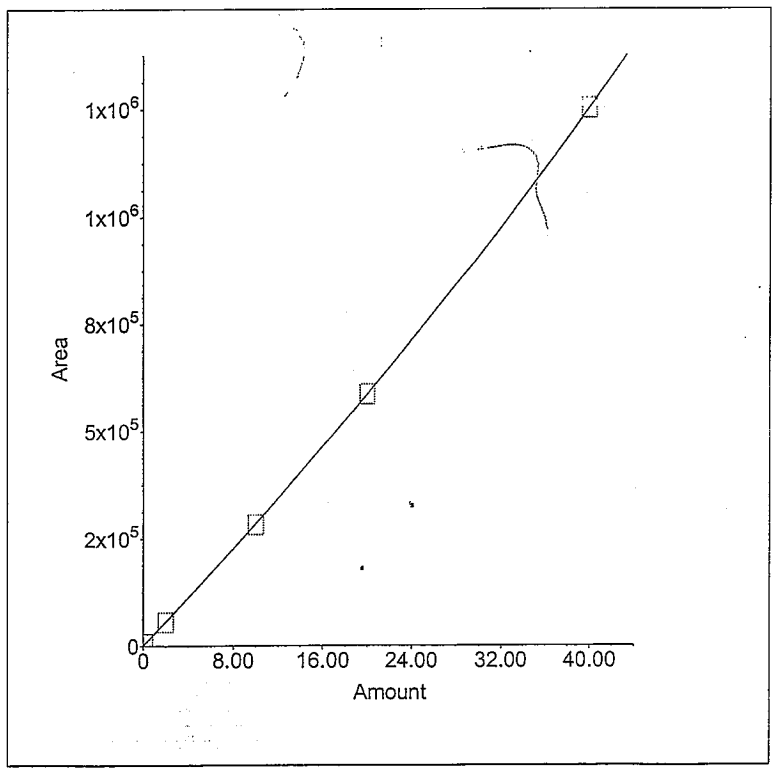
2. Component:Cl
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999608
Amt=-5.982635e-014*Resp^2+
1.002084e-005*Resp+0



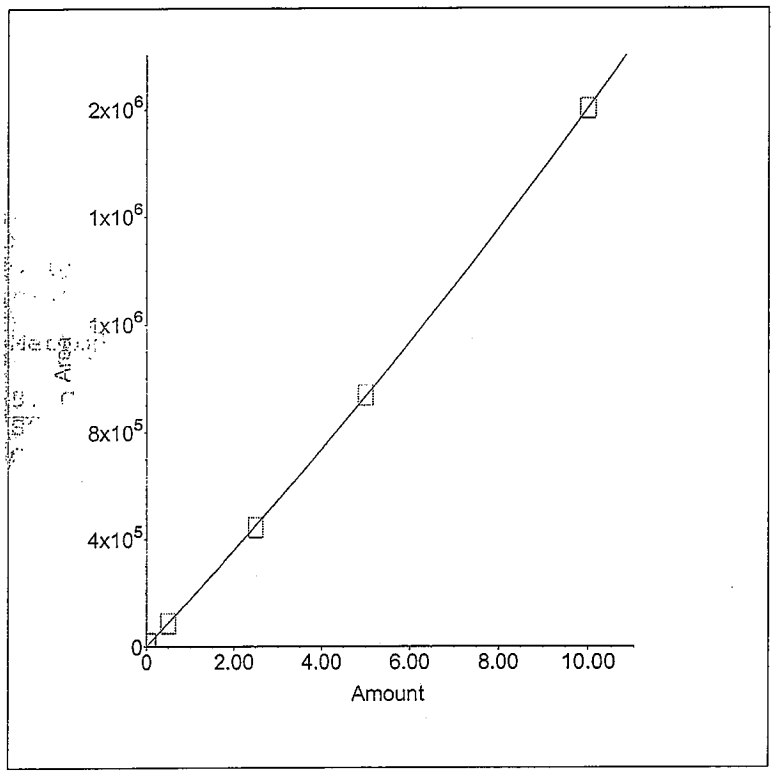
3. Component:NO2
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999988
Amt=-4.477992e-013*Resp^2+
6.693989e-006*Resp+0



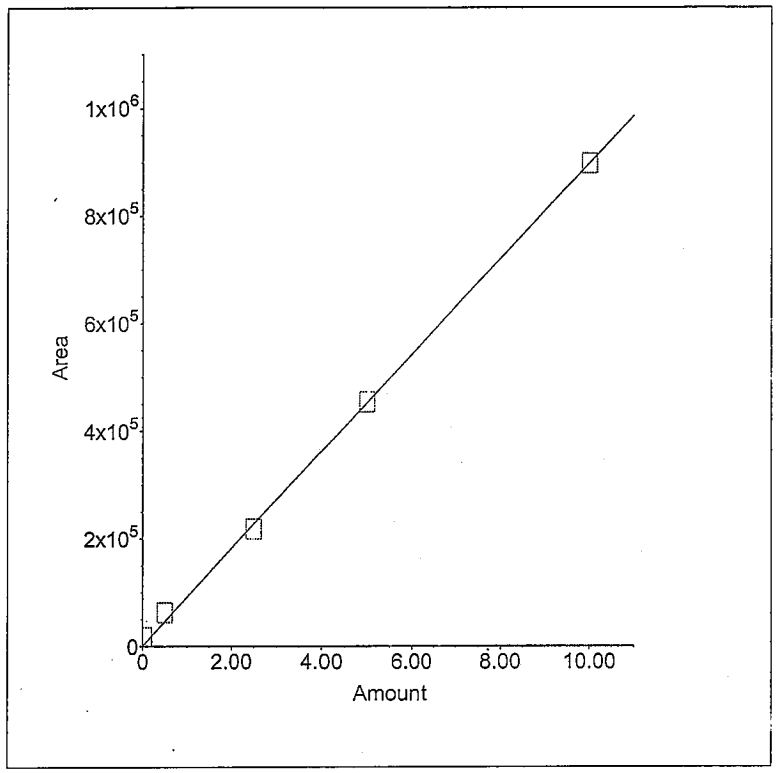
4. Component:Br
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999994
Amt=-2.453578e-012*Resp^2+
3.097663e-005*Resp+0



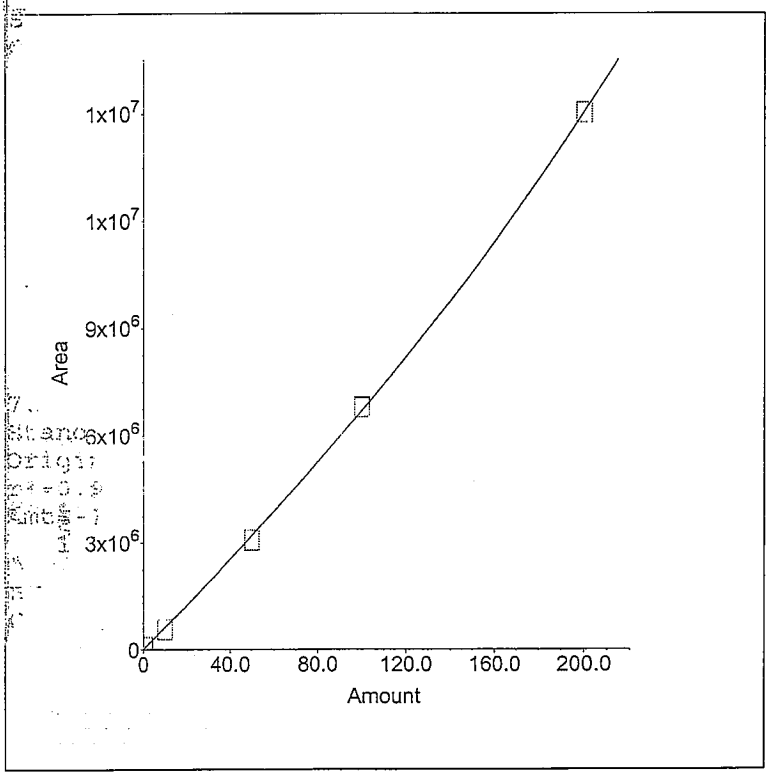
5. Component:NO3
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999968
Amt=-3.222747e-013*Resp^2+
5.413096e-006*Resp+0



6. Component:PO4
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999021
Amt=1.753826e-013*Resp^2+
1.062712e-005*Resp+0



7. Component:SO4
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999746
Amt=-1.843849e-013*Resp^2+
1.572044e-005*Resp+0



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 5 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal5_002.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:07:56 PM
Injection Volume : 1.00
Injection Number : 2

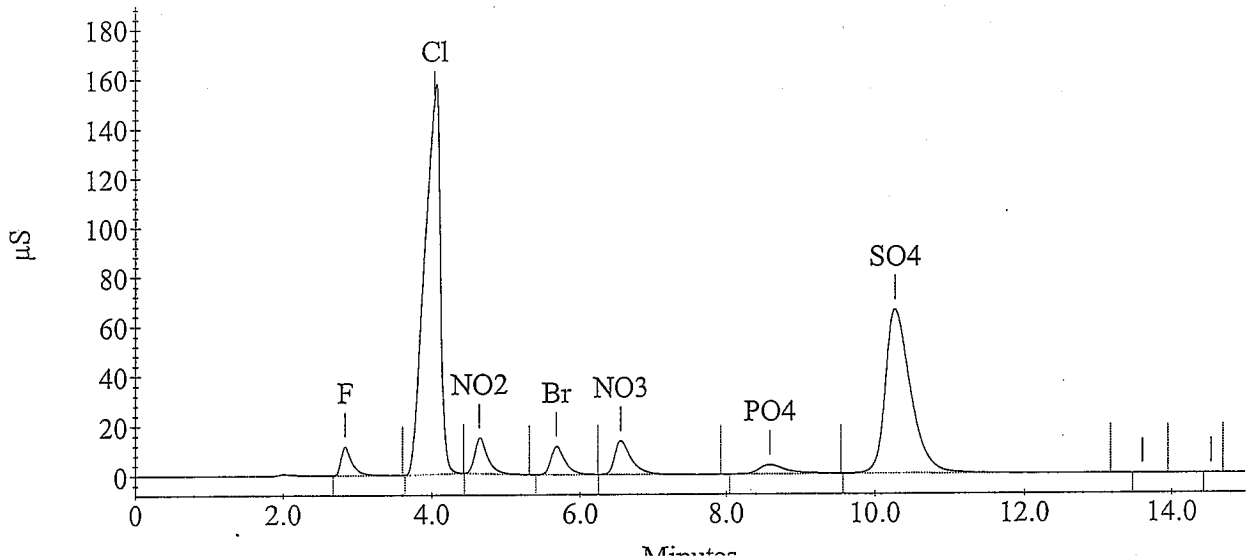
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 5:25:15 PM
Calibration Level : 5

IC5103

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	10.00	1212466	114965
Cl	4.03	200.00	23125052	1486305
NO2	4.64	10.00	1682989	141629
Br	5.68	40.00	1459965	112085
NO3	6.56	10.00	2112276	134111
PO4	8.59	10.00	926913	36893
SO4	10.27	200.00	15542477	658703

Cal std 5 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 4 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal4_003.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:25:21 PM
Injection Volume : 1.00
Injection Number : 3

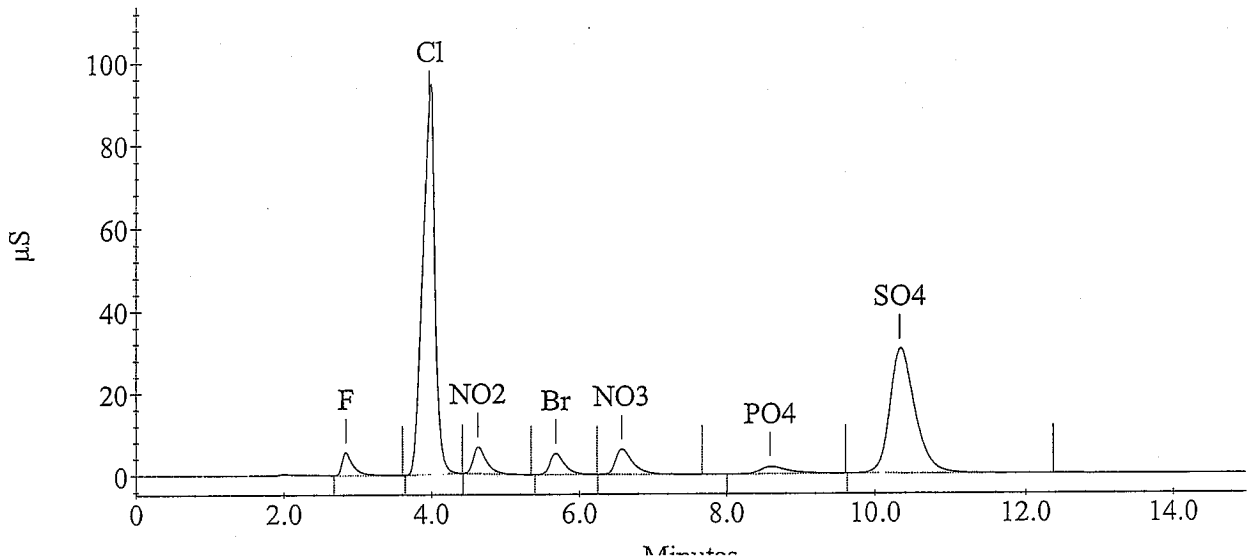
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 5:42:39 PM
Calibration Level : 4

IC5104

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	5.00	578812	55325
Cl	3.97	100.00	10841827	893395
NO2	4.63	5.00	791169	64740
Br	5.68	20.00	683769	51209
NO3	6.57	5.00	986419	61413
PO4	8.59	5.00	468319	17447
SO4	10.32	100.00	7030907	301776

Cal std 4 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 3 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal3_006.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 6:17:31 PM
Injection Volume : 1.00
Injection Number : 6

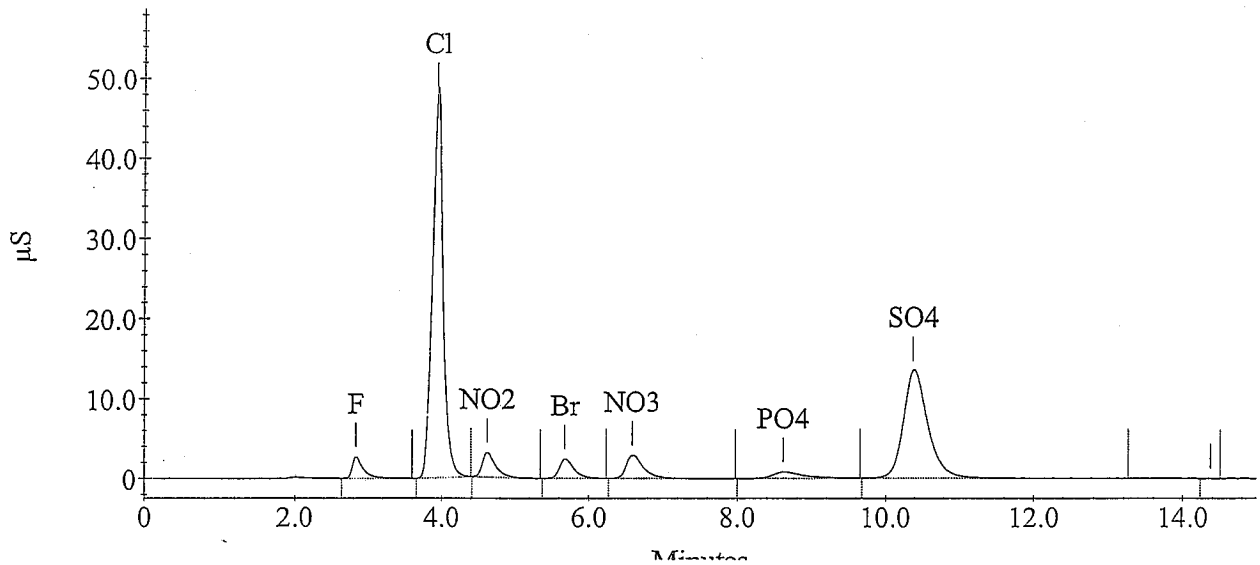
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:34:49 PM
Calibration Level : 3

IC5105

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	2.50	278153	26666
Cl	3.93	50.00	4935465	475862
NO2	4.63	2.50	380205	30683
Br	5.68	10.00	329934	24214
NO3	6.59	2.50	468512	28943
PO4	8.61	2.50	224803	8005
SO4	10.37	50.00	3175351	134220

Cal std 3 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 2 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal2_004.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:42:44 PM
Injection Volume : 1.00
Injection Number : 4

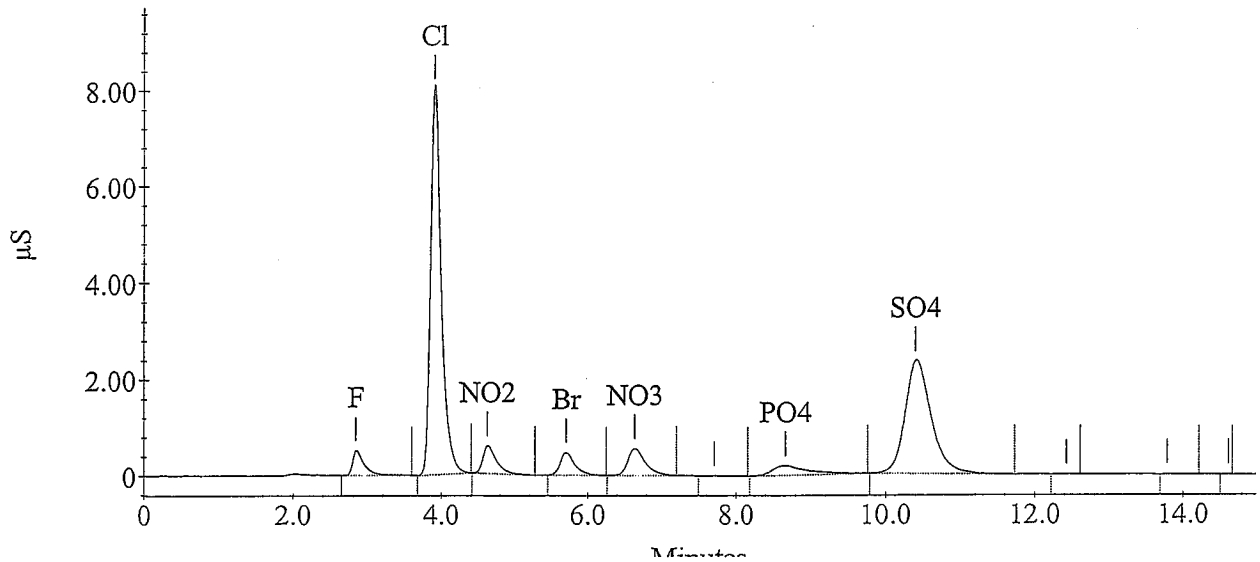
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:00:02 PM
Calibration Level : 2

IC5106

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.50	55068	5094
Cl	3.90	10.00	810030	80116
NO2	4.63	0.50	73298	5755
Br	5.71	2.00	64877	4677
NO3	6.64	0.50	90483	5553
PO4	8.67	0.50	65061	1988
SO4	10.40	10.00	578795	23268

Cal std 2 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 1 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal1_005.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 6:00:08 PM
Injection Volume : 1.00
Injection Number : 5

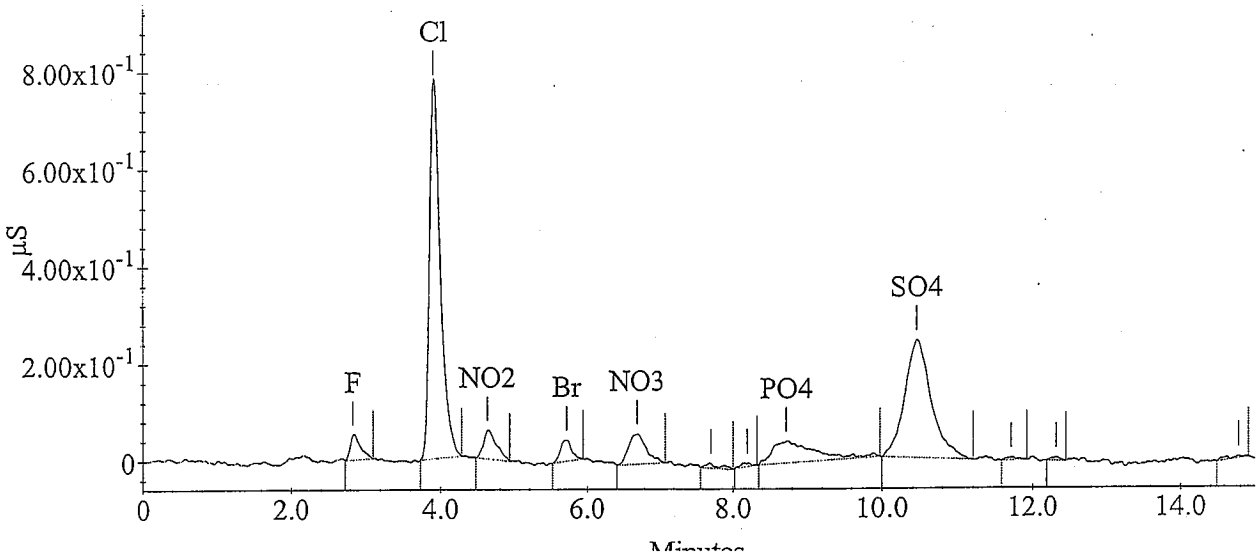
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:17:26 PM
Calibration Level : 1

IC5107

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.05	4954	500
Cl	3.90	1.00	78690	7687
NO2	4.63	0.05	7261	580
Br	5.72	0.20	4777	434
NO3	6.69	0.05	10509	617
PO4	8.72	0.05	17096	438
SO4	10.45	1.00	59704	2416

Cal std 1 IC 9011-0007

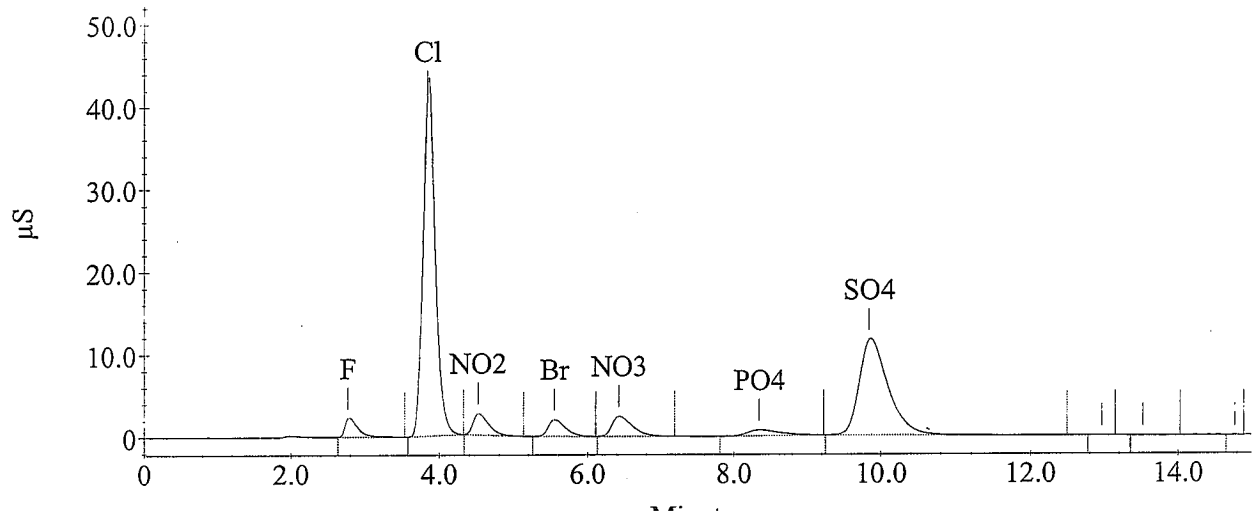


STL North Canton Ion Chromatography Analysis Report

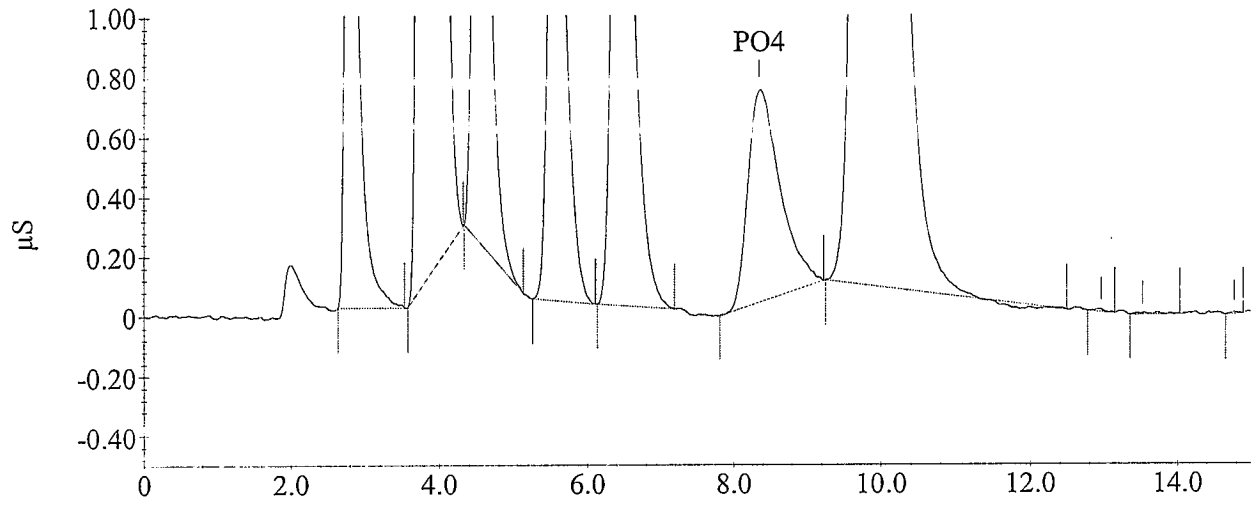
Sample Name : ICV
Data File Name : c:\peaknet\data\dx 320 data\070605\ICV_003.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 3
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 2:16:48 PM	System Operator : OC
Sample Weight : 1.00000	Dilution Factor : 1.00

ICV



ICV



STL North Canton Ion Chromatography Analysis Report

Sample Name : ICV
Data File Name : c:\peaknet\data\dx 320 data\070605\ICV_003.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 2:16:48 PM
Sample Weight : 1.00000

Injection Number : 3
System Name : IC
System Operator : OC
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.49	280299	22303
Cl	3.83	47.57	4890251	404632
NO2	4.52	2.44	374311	25992
Br	5.55	9.78	324133	20236
NO3	6.43	2.45	464555	24326
PO4	8.35	2.32	217124	7038
SO4	9.84	47.18	3114942	115168

Peak Information : Unknown Peaks

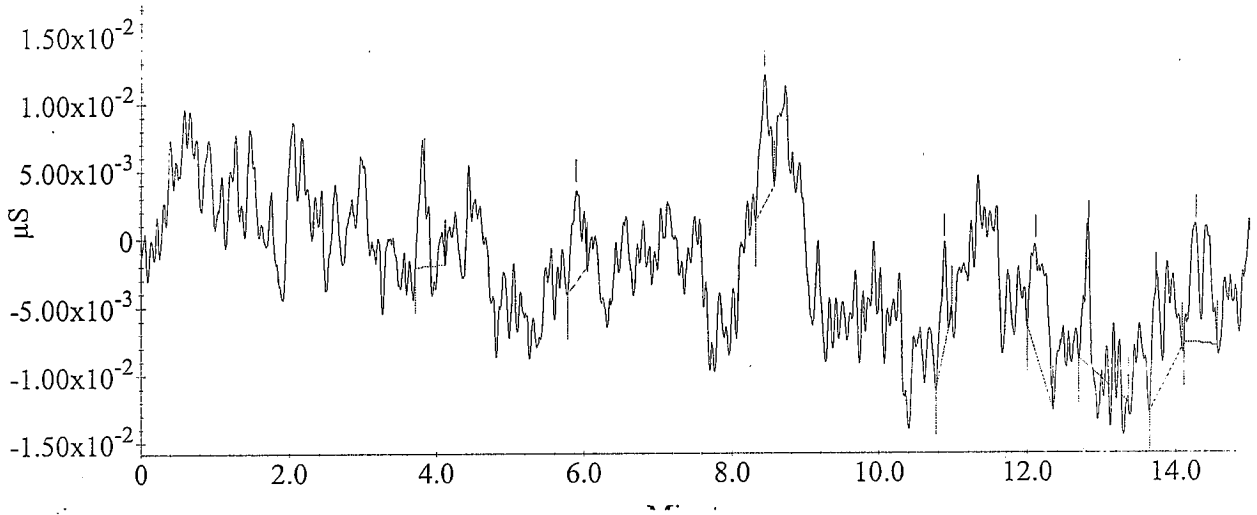
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	12.96	0.00	638	79
	13.52	0.00	870	42
	14.77	0.00	385	61

STL North Canton Ion Chromatography Analysis Report

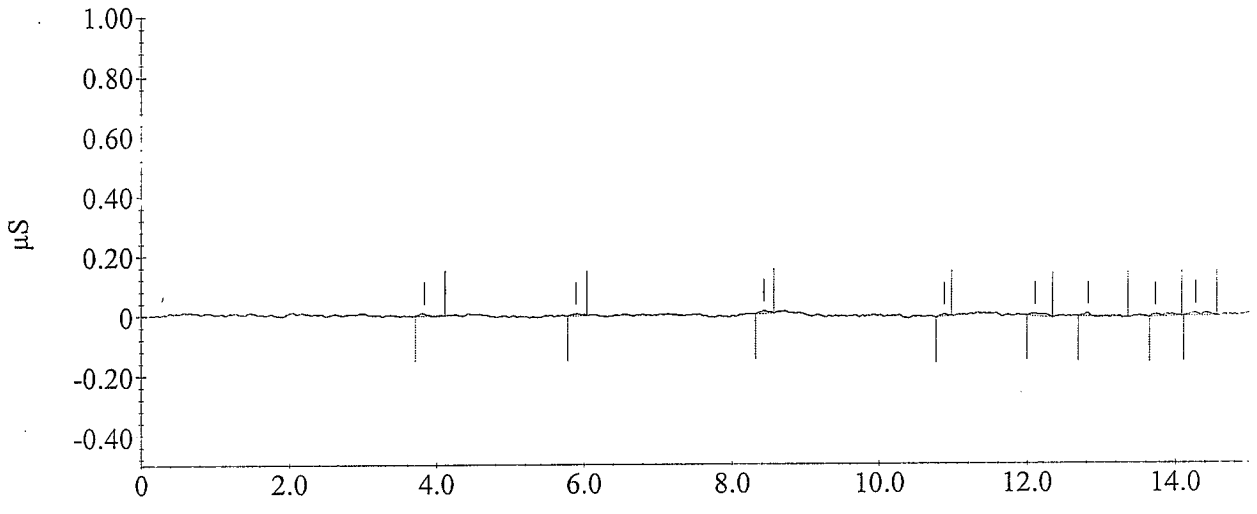
Sample Name : ICB
Data File Name : c:\peaknet\data\dx 320 data\070605\ICB_004.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 4
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 2:34:13 PM	System Operator : OC
Sample Weight : 1.00000	Dilution Factor : 1.00

ICB



ICB



STL North Canton Ion Chromatography Analysis Report

Sample Name : ICB
Data File Name : c:\peaknet\data\dx 320 data\070605\ICB_004.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 2:34:13 PM
Sample Weight : 1.00000
Injection Number : 4
System Name : IC
System Operator : OC
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.83	0.00	628	71
Cl				
NO2				
Br				
NO3				
PO4				
SO4				

Peak Information : Unknown Peaks

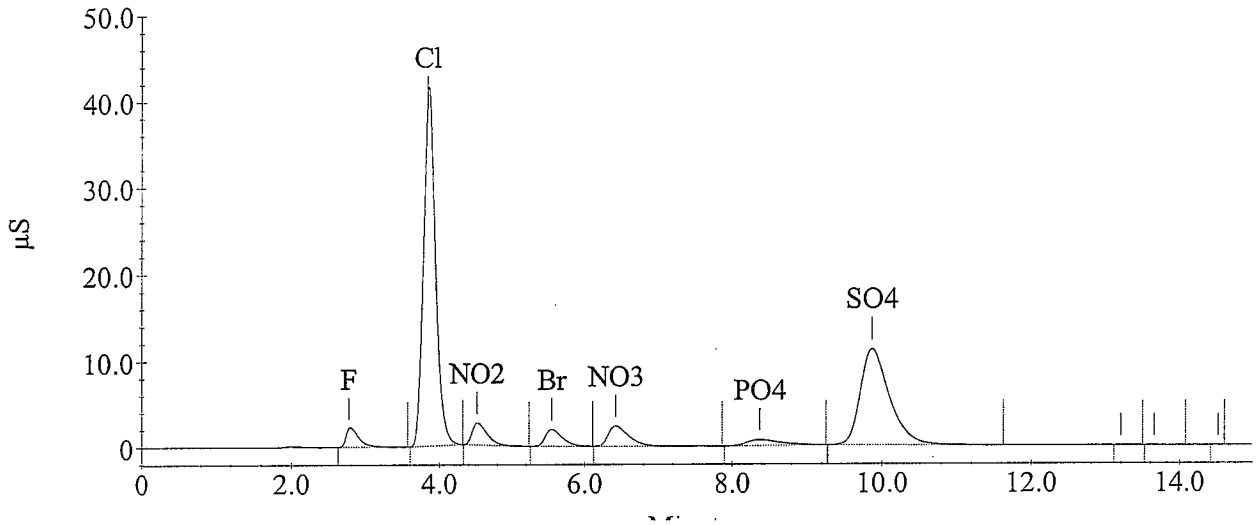
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.83	0.00	628	71
	5.89	0.00	624	67
	8.43	0.00	756	95
	10.88	0.00	409	76
	12.11	0.00	1251	78
	12.83	0.00	564	99
	13.73	0.00	1315	84
	14.27	0.00	1369	85

STL North Canton Ion Chromatography Analysis Report

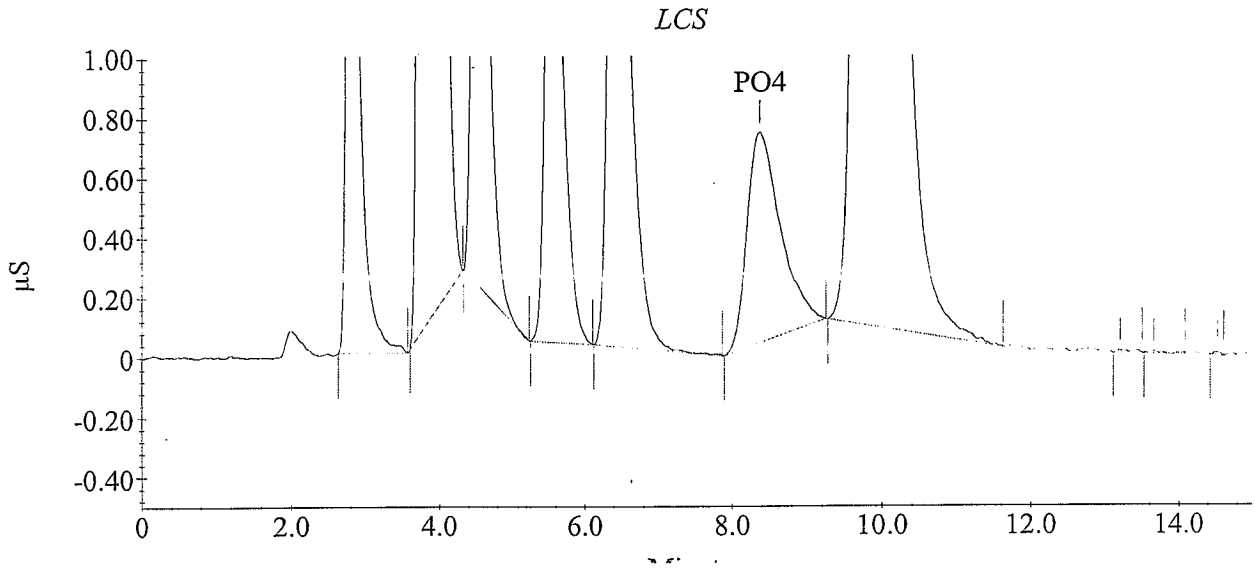
Sample Name : LCS
Data File Name : c:\peaknet\data\dx 320 data\070605\LCS_005.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 5
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 2:51:38 PM	System Operator : OC
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS



LCS



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\dx 320 data\070605\LCS_005.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 2:51:38 PM
Sample Weight : 1.00000
Injection Number : 5
System Name : IC
System Operator : OC
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.44	274633	21218
Cl	3.83	45.56	4676602	391777
NO2	4.52	2.39	365786	25491
Br	5.55	9.50	314659	19552
NO3	6.43	2.38	451366	23492
PO4	8.37	2.32	217810	7015
SO4	9.87	45.64	3009434	111470

Peak Information : Unknown Peaks

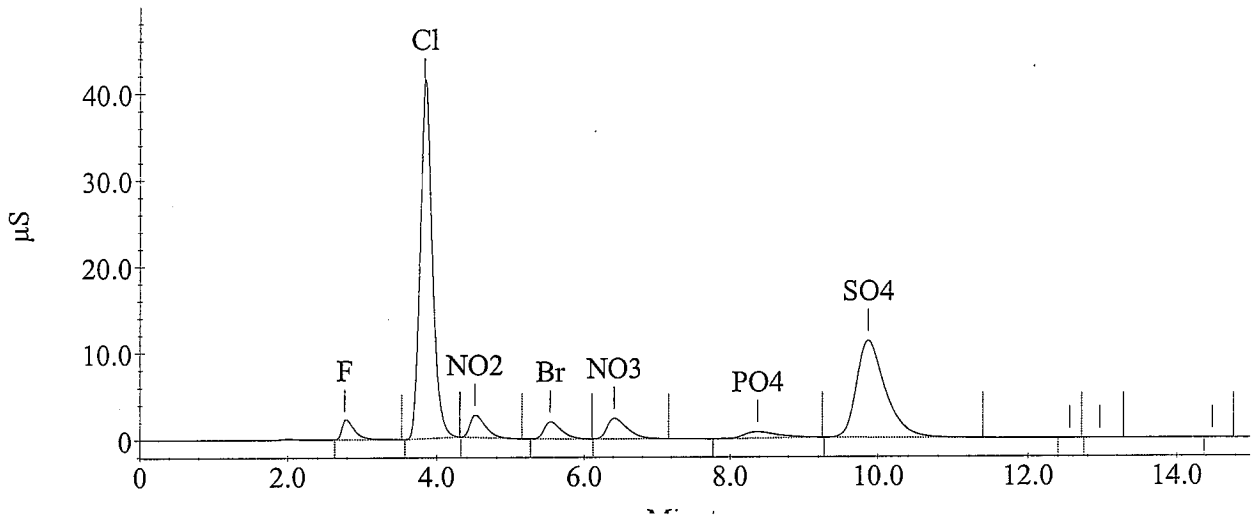
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	13.20	0.00	1367	83
	13.65	0.00	876	77
	14.53	0.00	618	95

STL North Canton Ion Chromatography Analysis Report

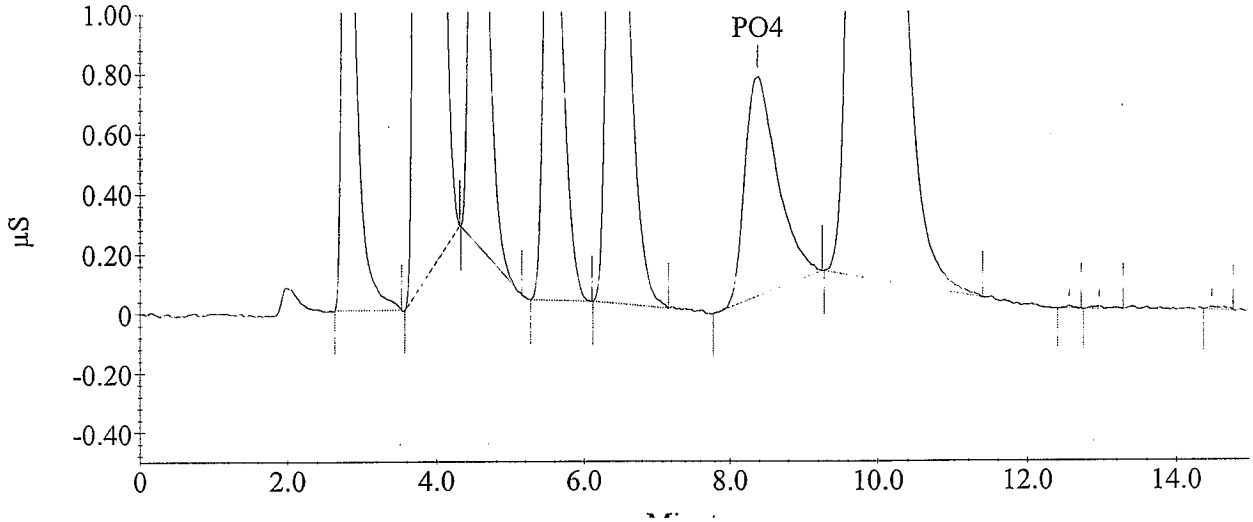
Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx 320 data\070605\LCS DUP_006.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 6
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 3:09:02 PM	System Operator : OC
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS DUP



LCS DUP



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx 320 data\070605\LCS DUP_006.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 3:09:02 PM
Sample Weight : 1.00000
Injection Number : 6
System Name : IC
System Operator : OC
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.43	273799	21502
Cl	3.83	45.41	4660935	402182
NO2	4.51	2.37	363397	25323
Br	5.53	9.41	311449	19466
NO3	6.41	2.34	443987	23334
PO4	8.37	2.40	225275	7280
SO4	9.87	45.29	2985276	111263

Peak Information : Unknown Peaks

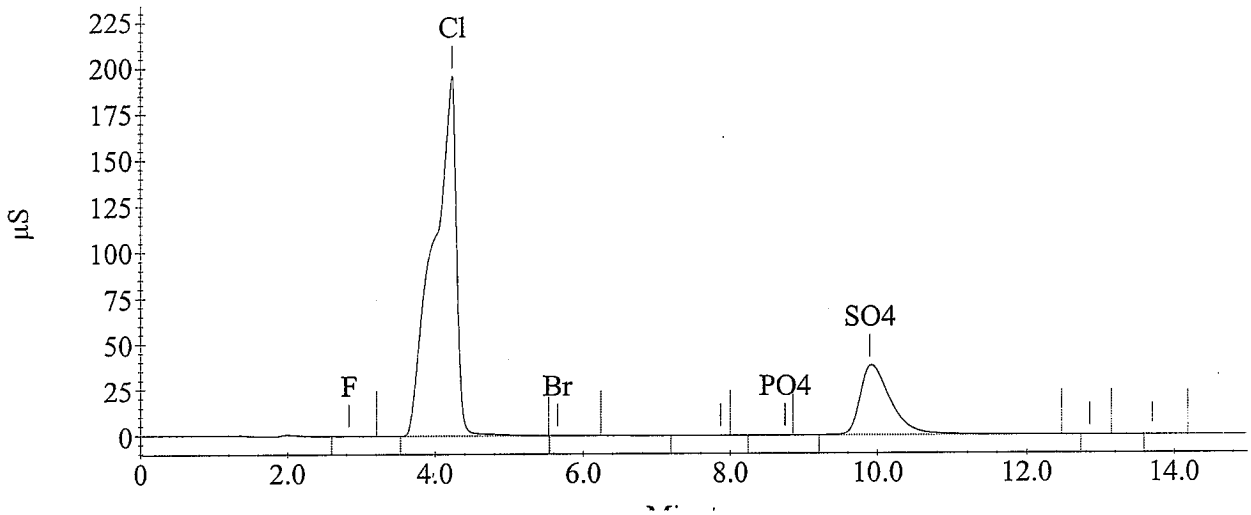
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	12.56	0.00	644	89
	12.96	0.00	1104	73
	14.48	0.00	1610	101

STL North Canton Ion Chromatography Analysis Report

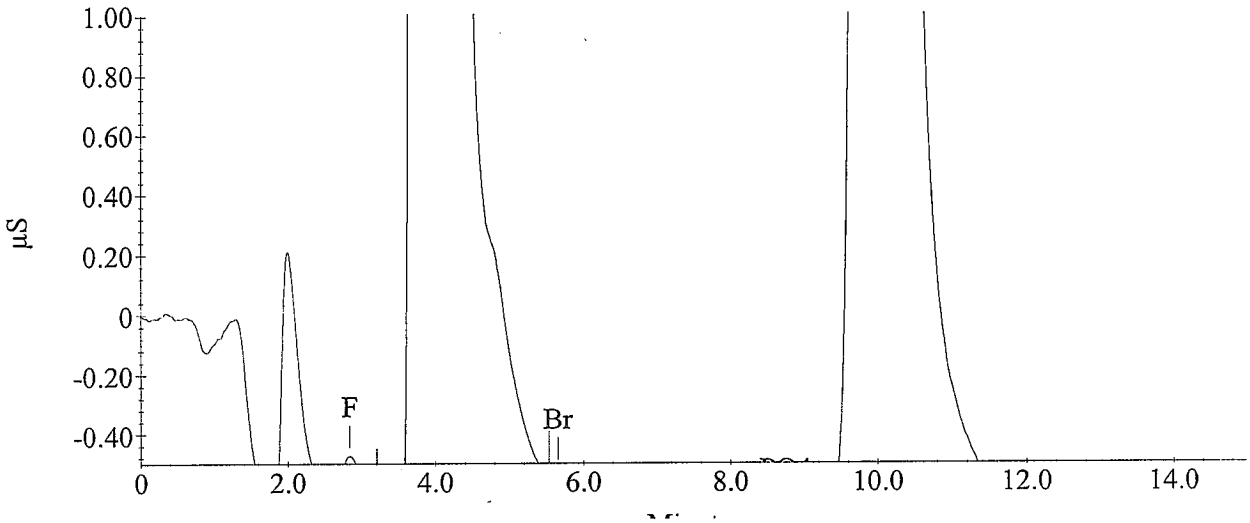
Sample Name : HEXEE
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEE_007.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 7
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 5:25:44 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXEE



HEXEE



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEE
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEE_007.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 5:25:44 PM
Sample Weight : 1.00000

Injection Number : 7
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.18	19731	1228
Cl	4.23	314.59	41850770	1944442
NO2				
Br	5.65	0.11	3471	460
NO3				
PO4	8.75	0.03	2578	148
SO4	9.89	148.11	10785941	375098

Peak Information : Unknown Peaks

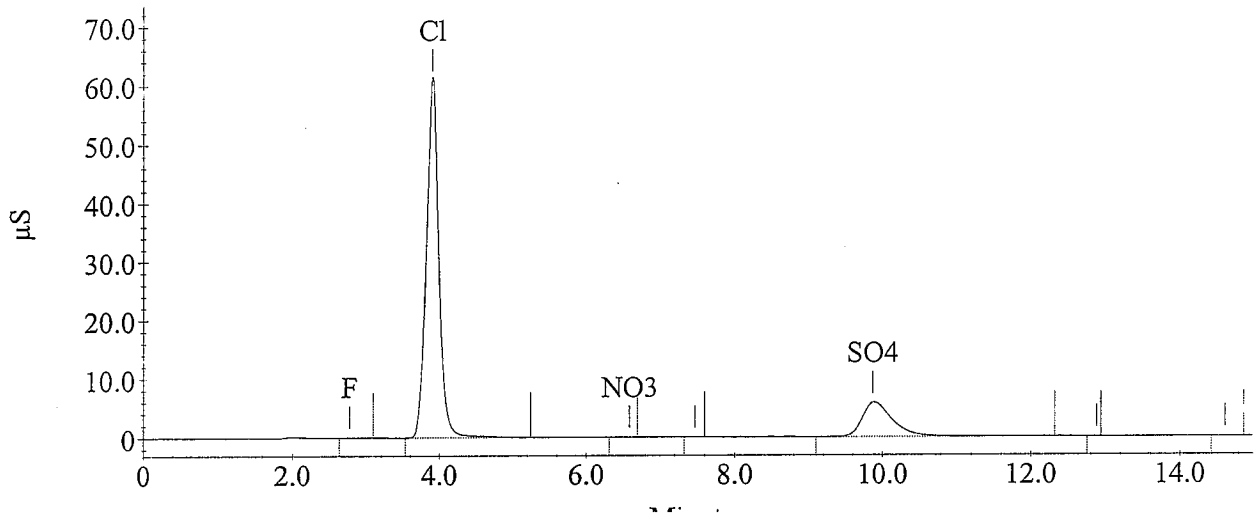
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.87	0.00	4347	144
	12.85	0.00	937	98
	13.71	0.00	1174	107

STL North Canton Ion Chromatography Analysis Report

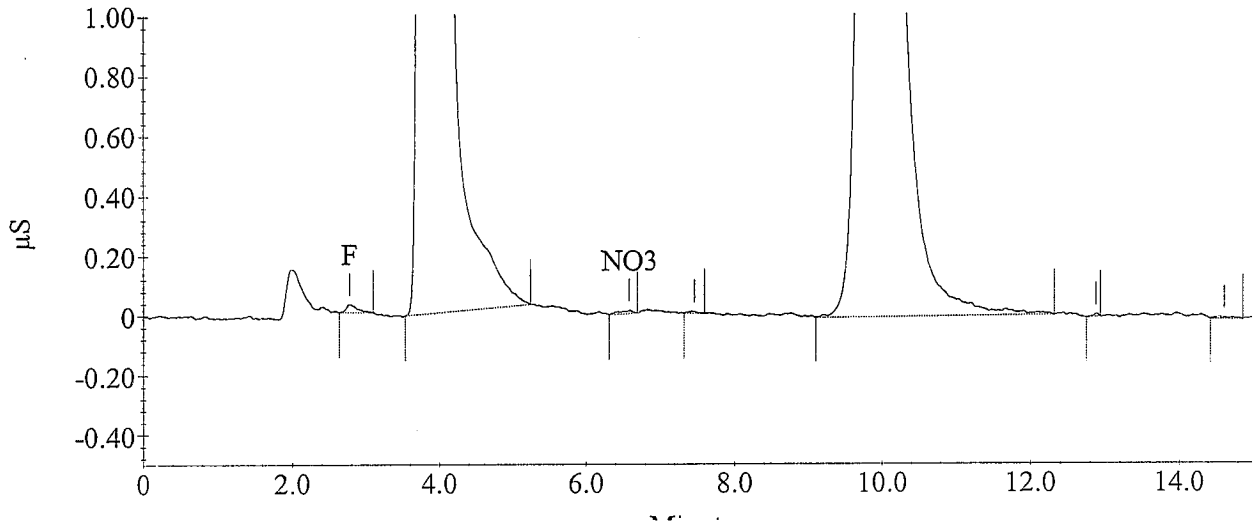
Sample Name : HEXEE
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEE_008.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 8
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 5:43:10 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HEXEE



HEXEE



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEE
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEE_008.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 5:43:10 PM
Sample Weight : 1.00000

Injection Number : 8
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	0.13	2771	264
Cl	3.90	345.48	7205180	607401
NO2				
Br				
NO3	6.59	0.03	1261	96
PO4				
SO4	9.87	127.53	1654607	58139

Peak Information : Unknown Peaks

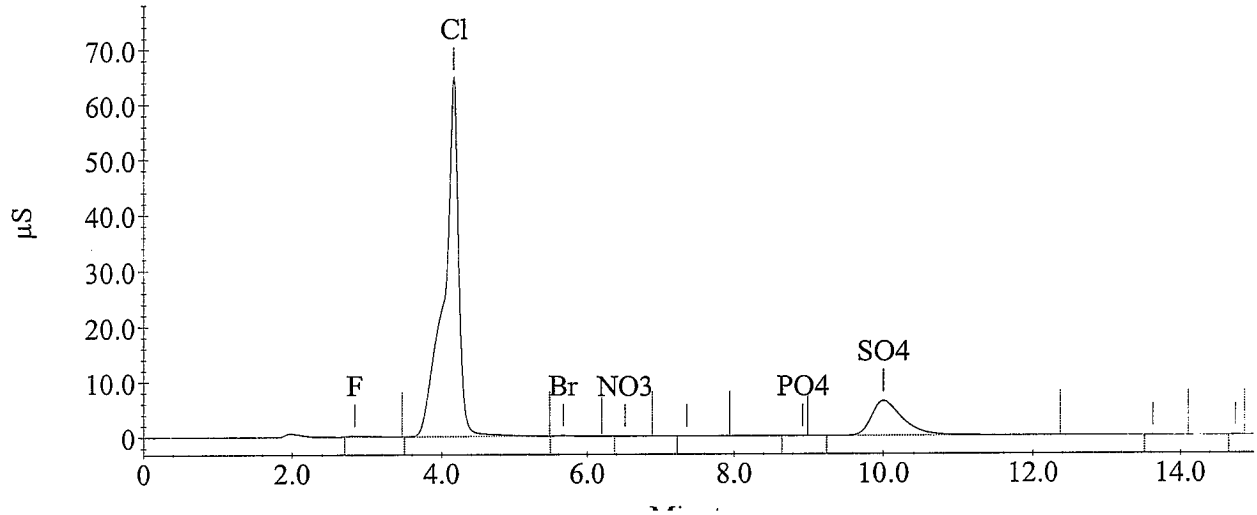
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.47	0.00	449	56
	12.88	0.00	444	86
	14.61	0.00	947	43

STL North Canton Ion Chromatography Analysis Report

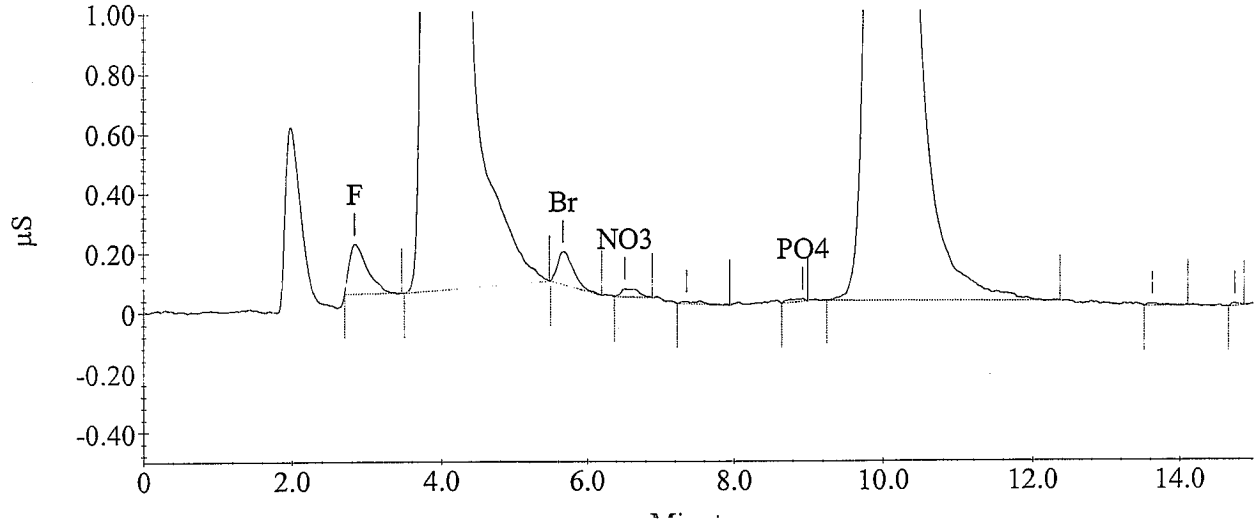
Sample Name : HEXEG
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEG_009.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 9
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 6:00:34 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXEG



HEXEG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEG
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEG_009.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 6:00:34 PM
Sample Weight : 1.00000

Injection Number : 9
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.25	27819	1655
Cl	4.16	83.67	8813441	644889
NO2				
Br	5.67	0.52	16805	1096
NO3	6.52	0.02	4543	267
PO4	8.93	0.01	1371	85
SO4	10.00	27.74	1803014	62673

Peak Information : Unknown Peaks

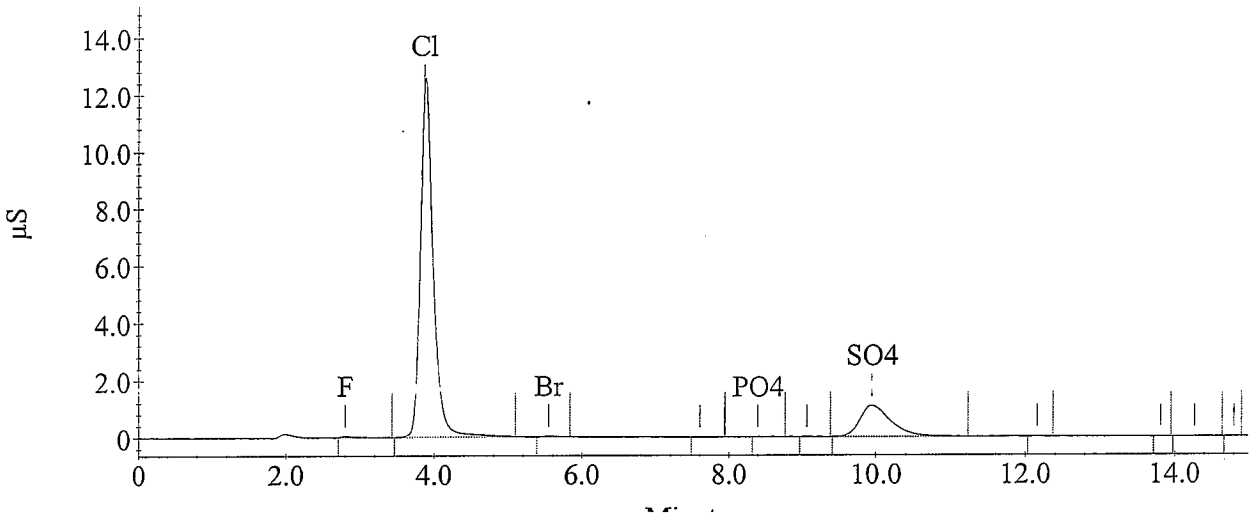
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.36	0.00	1473	68
	13.63	0.00	704	67
	14.75	0.00	697	96

STL North Canton Ion Chromatography Analysis Report

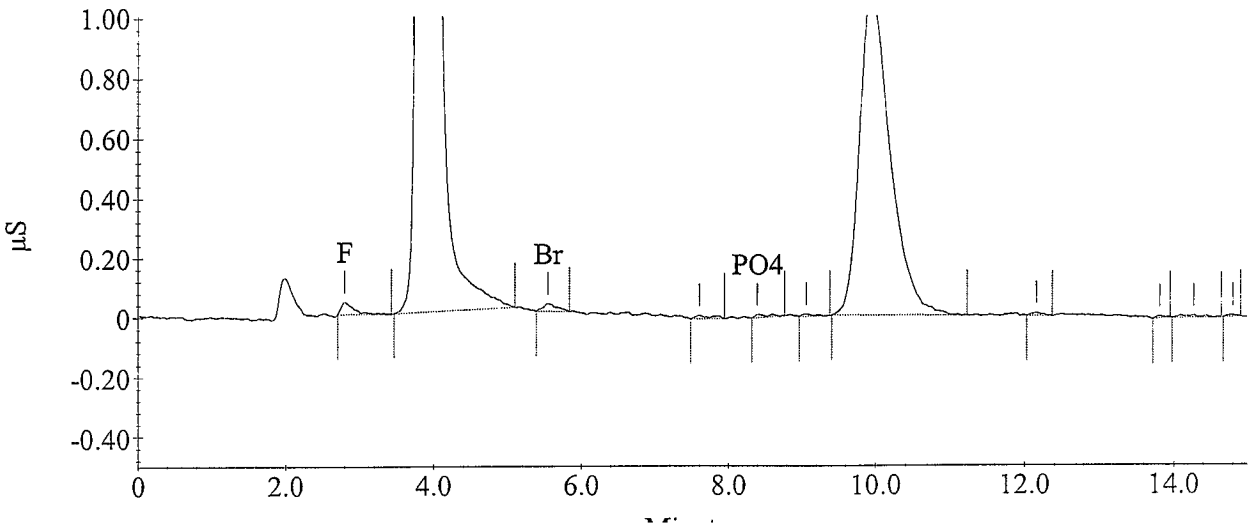
Sample Name : HEXEG
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEG_010.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 10
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 6:17:59 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HEXEG



HEXEG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEG
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEG_010.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 6:17:59 PM
Sample Weight : 1.00000

Injection Number : 10
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.22	4896	412
Cl	3.87	74.15	1493221	119310
NO2				
Br	5.55	0.53	3449	254
NO3				
PO4	8.40	0.06	1148	100
SO4	9.95	24.08	307455	10789

Peak Information : Unknown Peaks

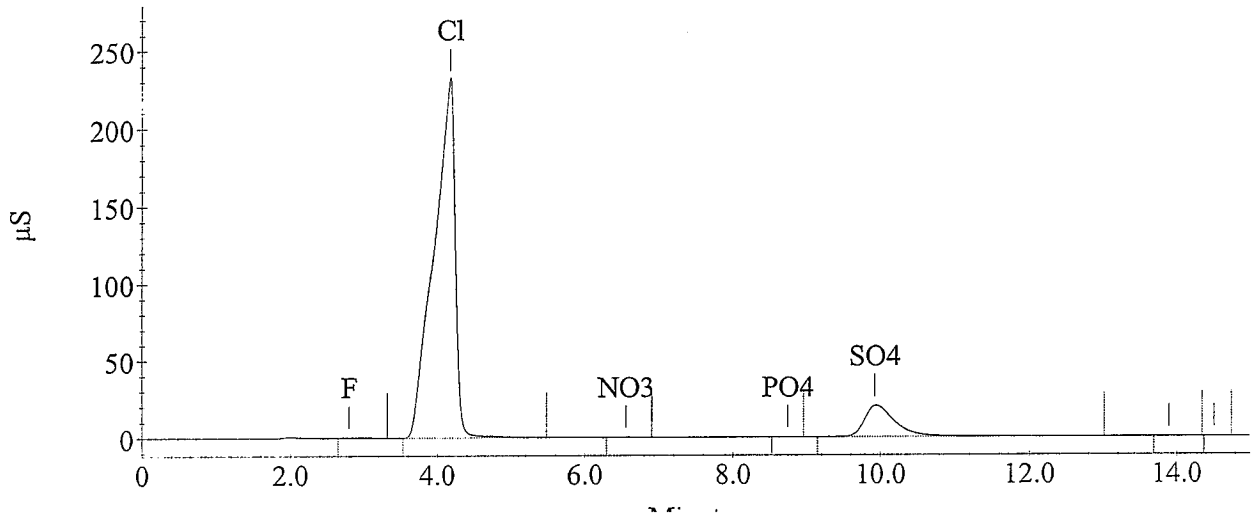
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.60	0.00	1598	111
	9.07	0.00	658	73
	12.16	0.00	982	95
	13.81	0.00	471	72
	14.27	0.00	1307	76
	14.80	0.00	469	50

STL North Canton Ion Chromatography Analysis Report

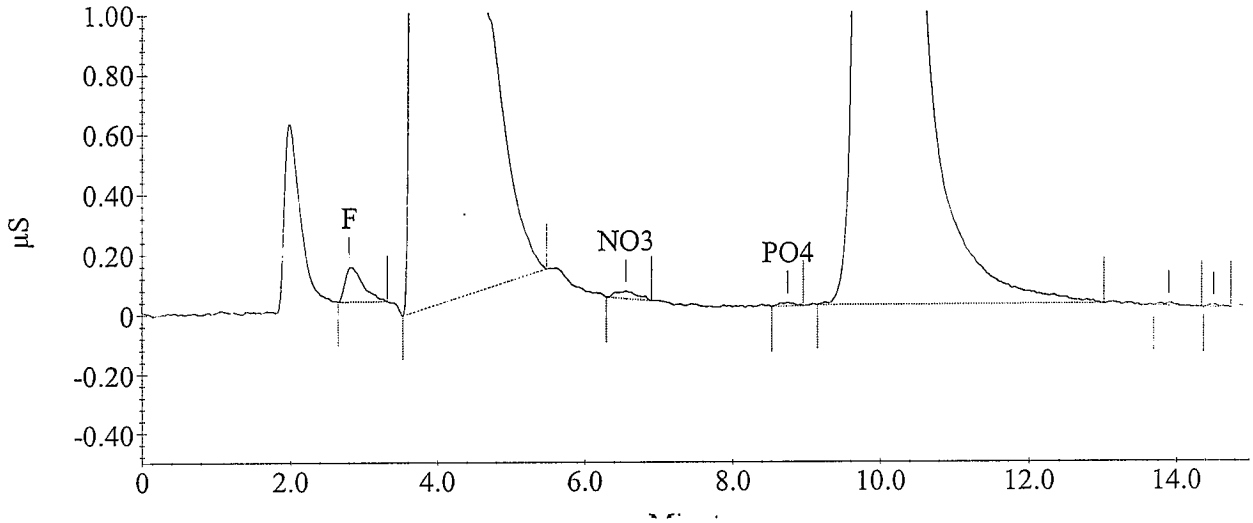
Sample Name : HEXEH
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEH_011.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 11
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 6:35:23 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXEH



HEXEH



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEH
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEH_011.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 6:35:23 PM
Sample Weight : 1.00000

Injection Number : 11
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.18	19380	1106
Cl	4.17	336.08	46381131	2307739
NO2				
Br				
NO3	6.56	0.03	5052	252
PO4	8.75	0.02	1554	114
SO4	9.92	84.17	5741012	200454

Peak Information : Unknown Peaks

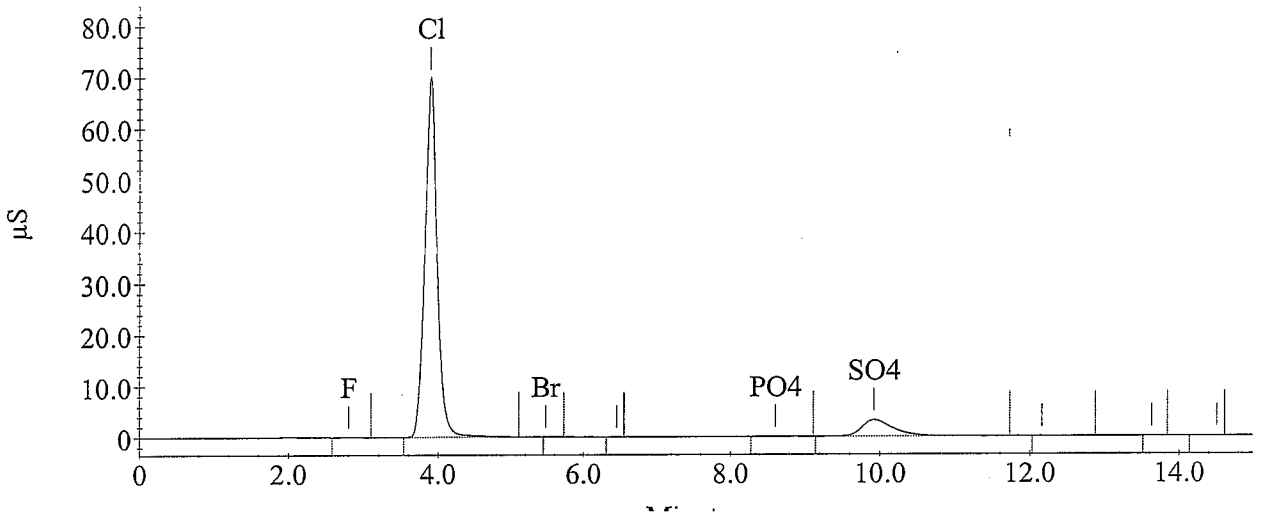
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	13.89	0.00	1114	90
	14.51	0.00	978	92

STL North Canton Ion Chromatography Analysis Report

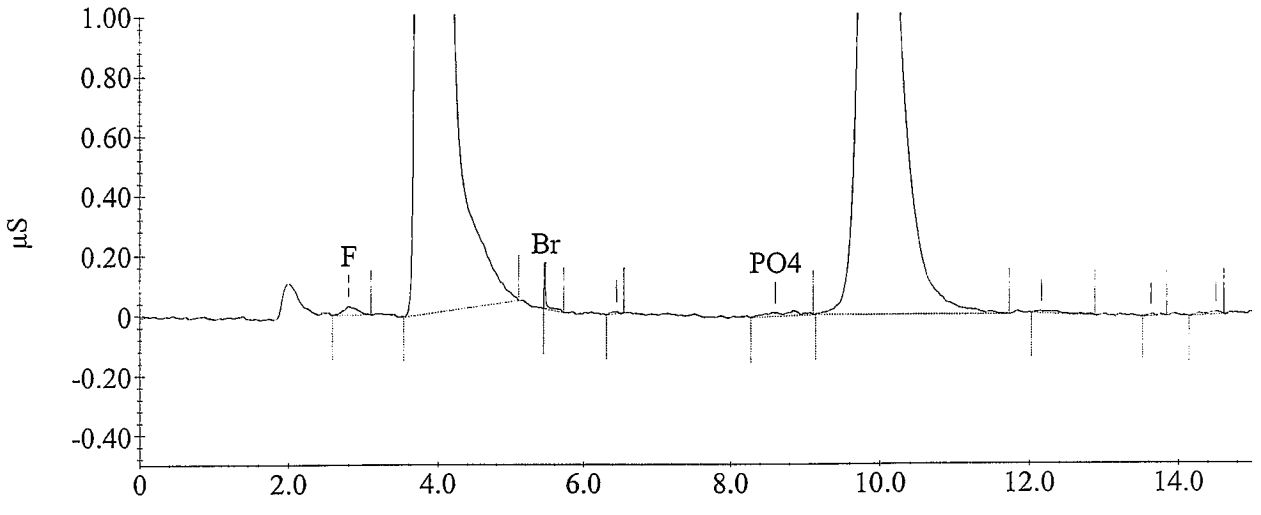
Sample Name : HEXEH
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEH_012.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 12
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 6:52:48 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HEXEH



HEXEH



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEH
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEH_012.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 6:52:48 PM
Sample Weight : 1.00000

Injection Number : 12
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.17	3686	288
Cl	3.90	386.97	8116662	696100
NO2				
Br	5.48	0.42	2702	513
NO3				
PO4	8.61	0.20	3856	117
SO4	9.92	70.88	911454	31986

Peak Information : Unknown Peaks

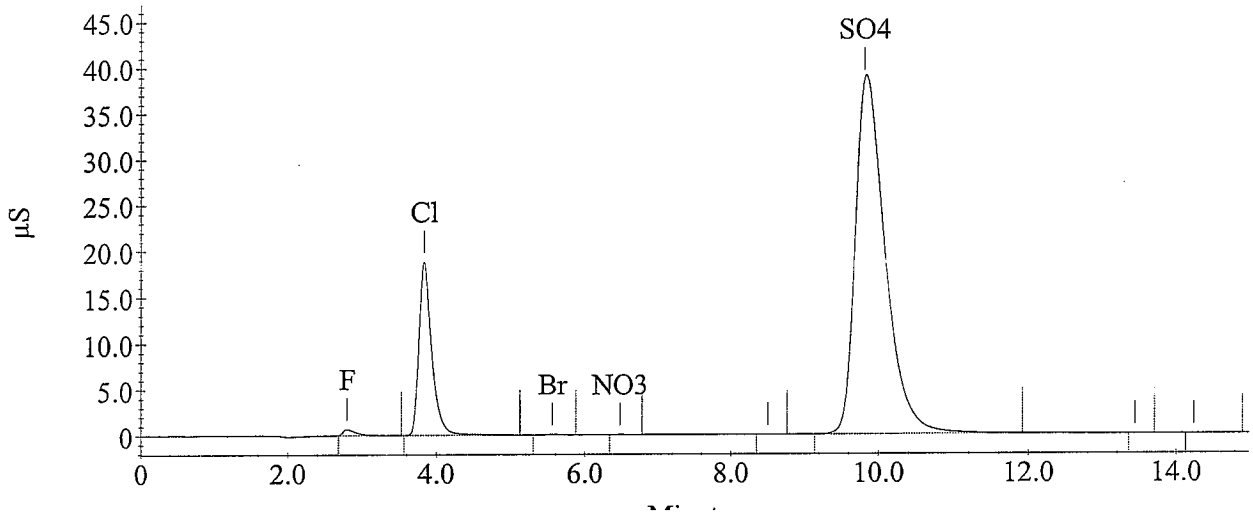
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	6.45	0.00	462	67
	12.16	0.00	1926	67
	13.63	0.00	673	67
	14.51	0.00	1517	101

STL North Canton Ion Chromatography Analysis Report

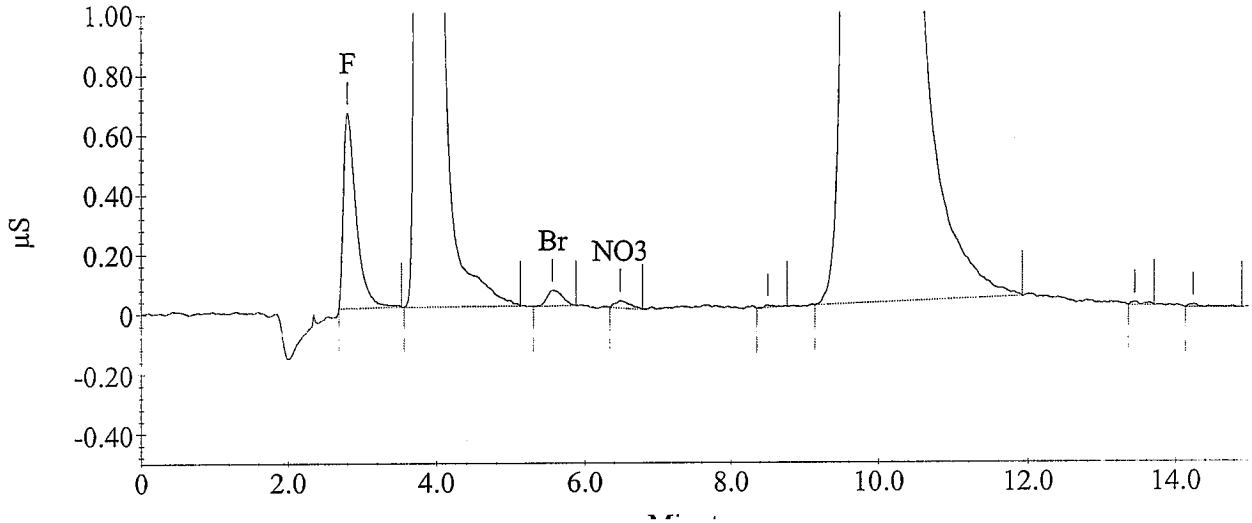
Sample Name : HEXEJ ORG
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEJ ORG_013.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 13
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 7:10:12 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXEJ ORG



HEXEJ ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEJ ORG
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEJ ORG_013.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 7:10:12 PM
Sample Weight : 1.00000

Injection Number : 13
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.70	77420	6508
Cl	3.83	21.92	2216668	187577
NO2				
Br	5.56	0.23	7513	518
NO3	6.48	0.02	3455	245
PO4				
SO4	9.81	148.47	10816693	385209

Peak Information : Unknown Peaks

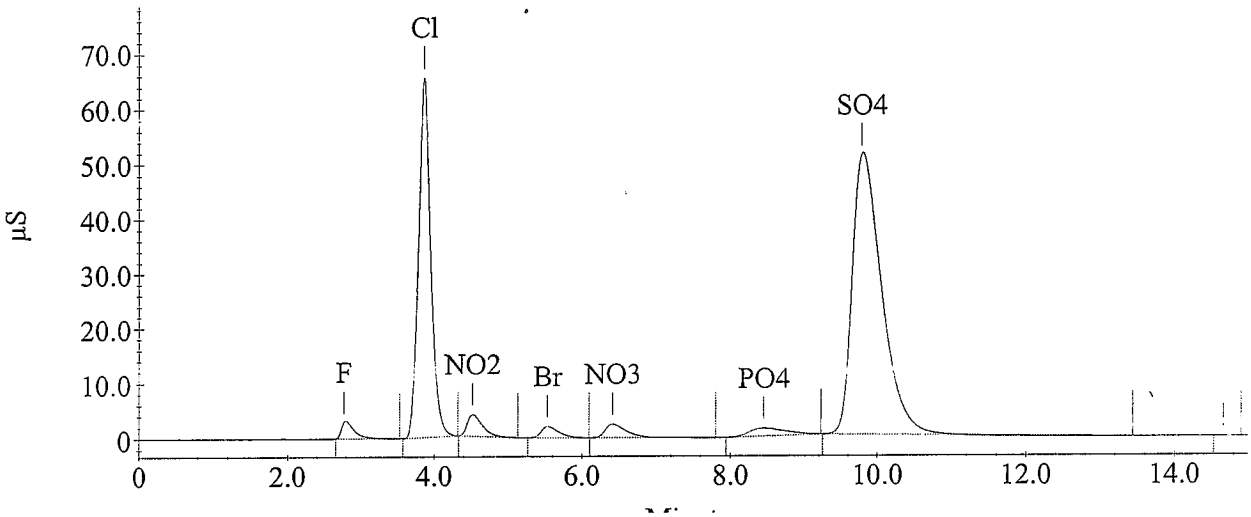
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	8.51	0.00	618	73
	13.44	0.00	1095	86
	14.24	0.00	1176	93

STL North Canton Ion Chromatography Analysis Report

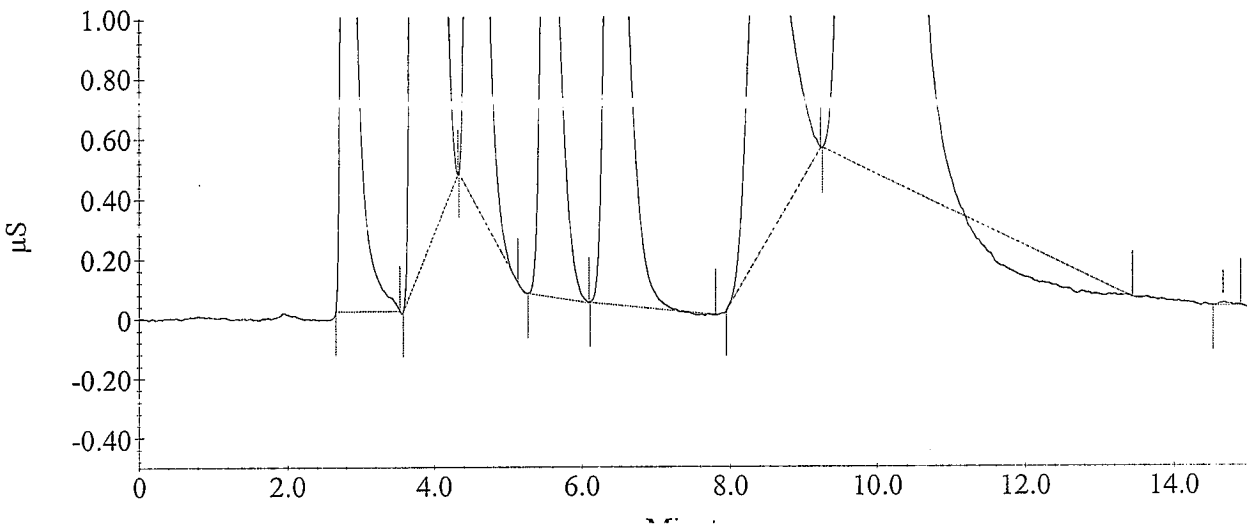
Sample Name : HEXEJ MS
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEJ MS_014.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 14
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 7:27:37 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXEJ MS



HEXEJ MS



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEJ MS
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEJ MS_014.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 7:27:37 PM
Sample Weight : 1.00000

Injection Number : 14
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	3.42	388664	28650
Cl	3.87	71.88	7510146	651518
NO2	4.52	3.58	554789	39000
Br	5.53	9.88	327301	20451
NO3	6.41	2.47	469577	24420
PO4	8.45	5.13	479343	14105
SO4	9.79	185.89	14184262	506892

Peak Information : Unknown Peaks

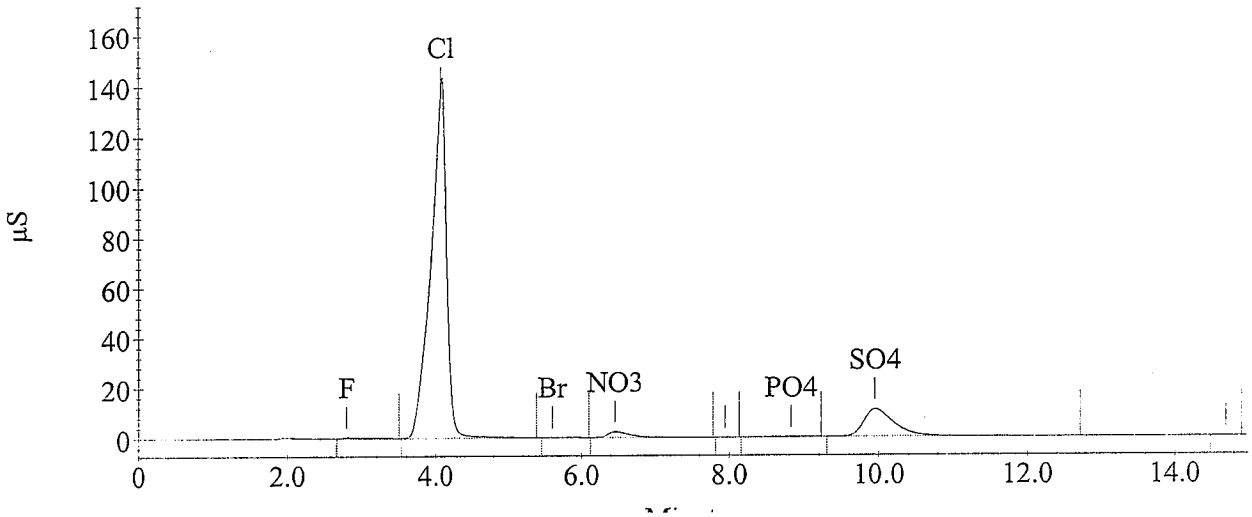
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	14.67	0.00	856	76

STL North Canton Ion Chromatography Analysis Report

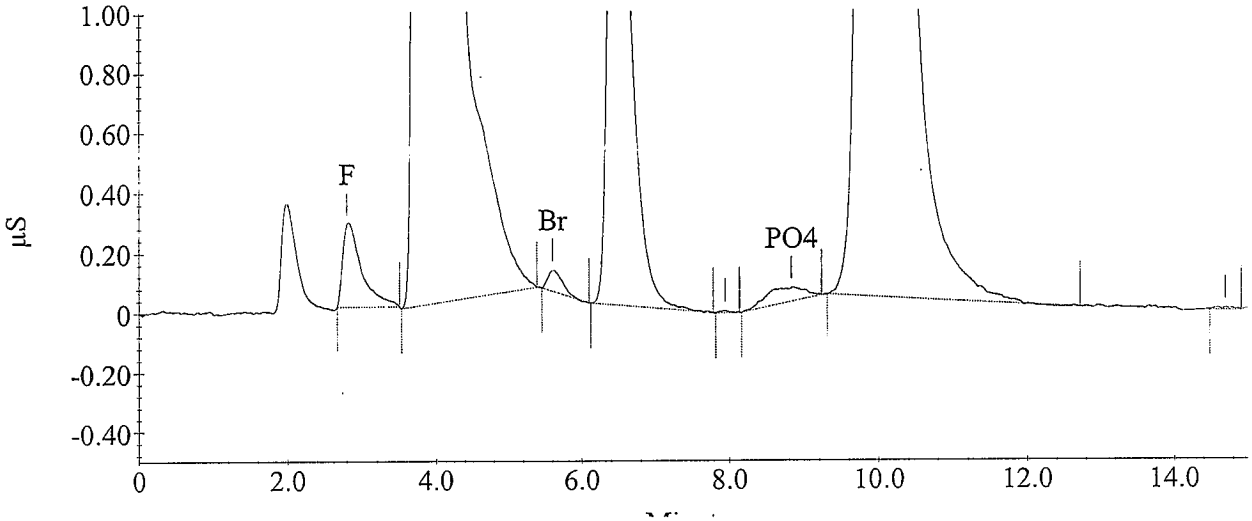
Sample Name : HEXEL
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEL_015.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 15
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 7:45:01 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXEL



HEXEL



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEL
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEL_015.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 7:45:01 PM
Sample Weight : 1.00000

Injection Number : 15
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.44	48967	2724
Cl	4.07	186.64	21345232	1349336
NO2				
Br	5.60	0.30	9695	691
NO3	6.45	2.28	433138	22380
PO4	8.83	0.19	17536	444
SO4	9.95	47.25	3119687	109752

Peak Information : Unknown Peaks

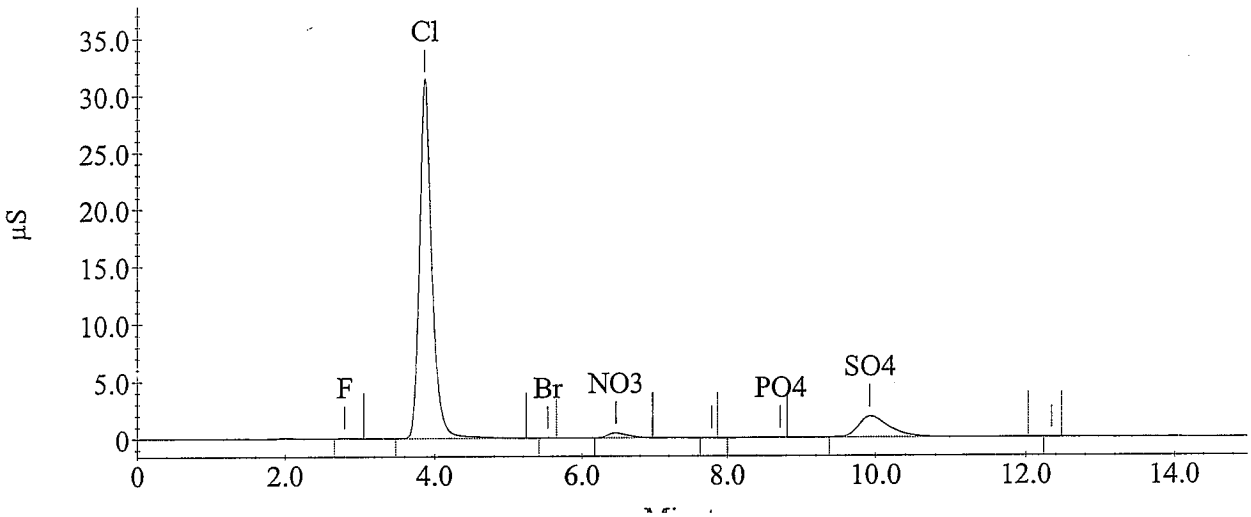
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.95	0.00	532	75
	14.69	0.00	1192	77

STL North Canton Ion Chromatography Analysis Report

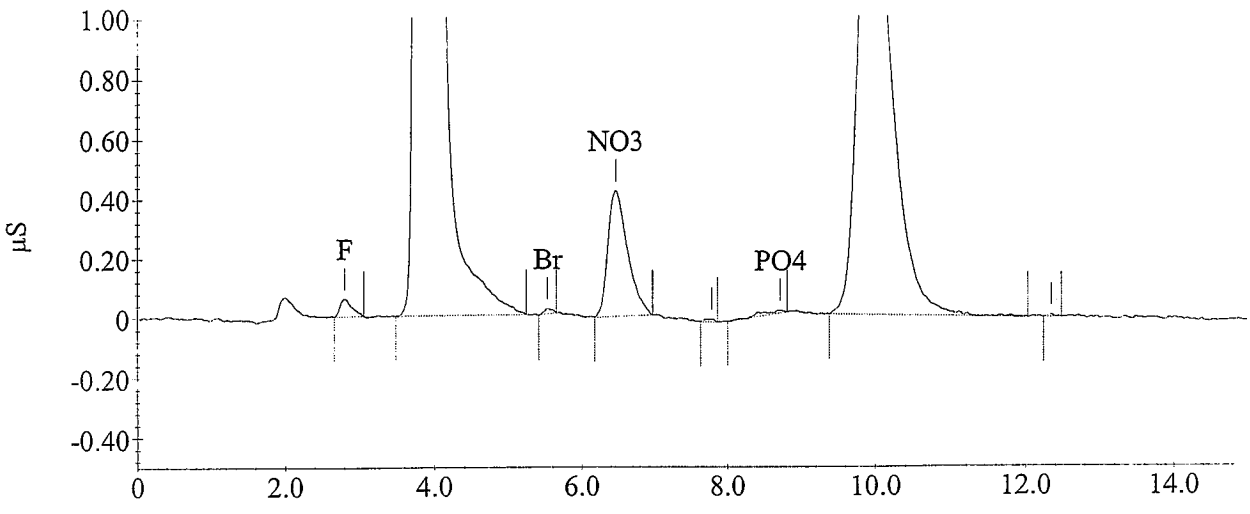
Sample Name : HEXEL
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEL_016.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 16
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 8:02:26 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HEXEL



HEXEL



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEL
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEL_016.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 8:02:26 PM
Sample Weight : 1.00000

Injection Number : 16
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.30	6622	590
Cl	3.87	175.01	3568966	311918
NO2				
Br	5.53	0.21	1371	179
NO3	6.47	2.15	79749	4208
PO4	8.72	0.13	2361	90
SO4	9.92	40.67	520586	18193

Peak Information : Unknown Peaks

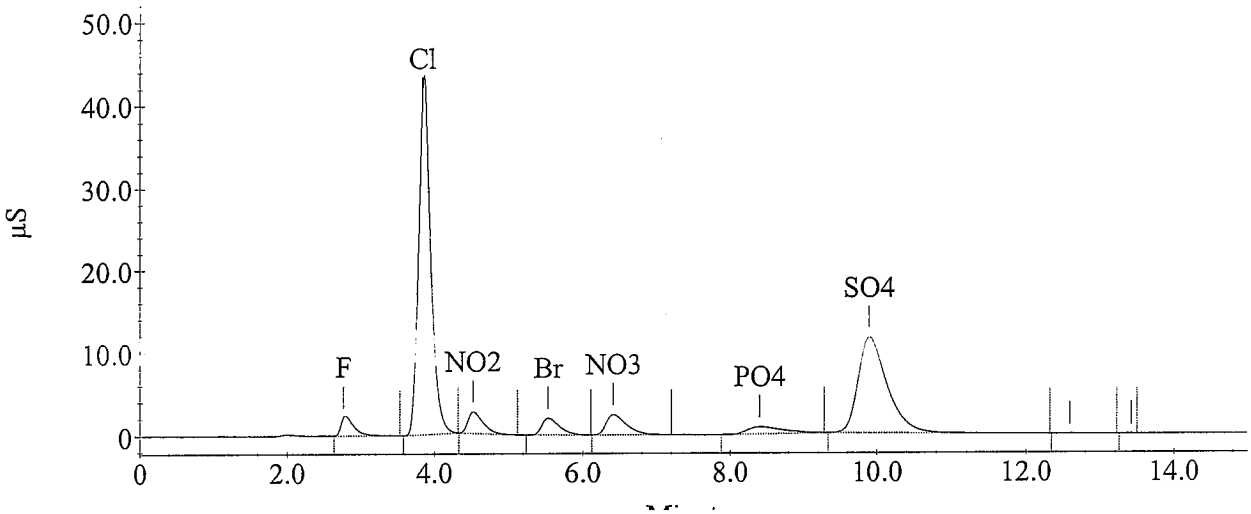
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.79	0.00	833	92
	12.35	0.00	534	83

STL North Canton Ion Chromatography Analysis Report

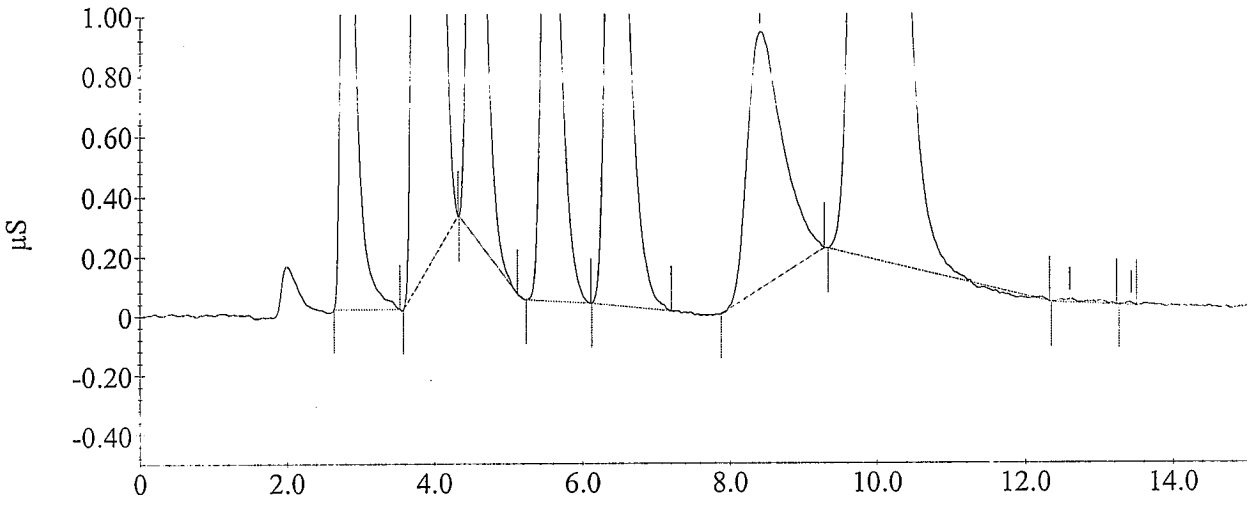
Sample Name : CCV #1
Data File Name : c:\peaknet\data\dx 320 data\070605\CCV #1_017.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 17
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 8:19:50 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #1



CCV #1



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #1
Data File Name : c:\peaknet\data\dx 320 data\070605\CCV #1_017.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 8:19:50 PM
Sample Weight : 1.00000

Injection Number : 17
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.56	288945	21693
Cl	3.83	47.49	4881676	393354
NO2	4.52	2.37	362854	25609
Br	5.53	9.78	324039	20178
NO3	6.41	2.44	463705	24166
PO4	8.40	3.01	282188	8524
SO4	9.89	47.12	3111009	114728

Peak Information : Unknown Peaks

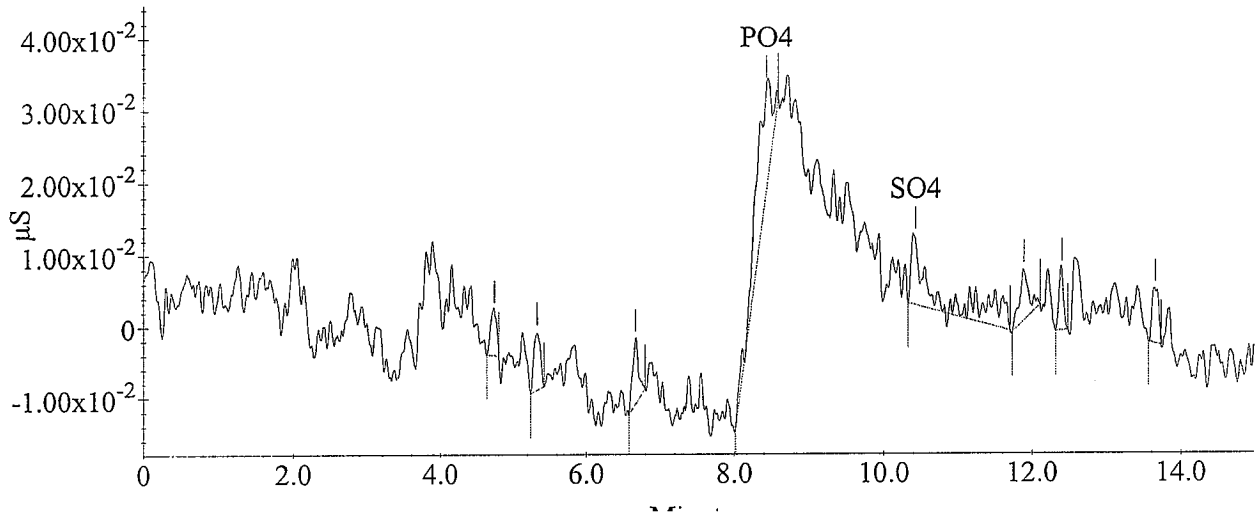
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	12.59	0.00	3257	110
	13.41	0.00	616	77

STL North Canton Ion Chromatography Analysis Report

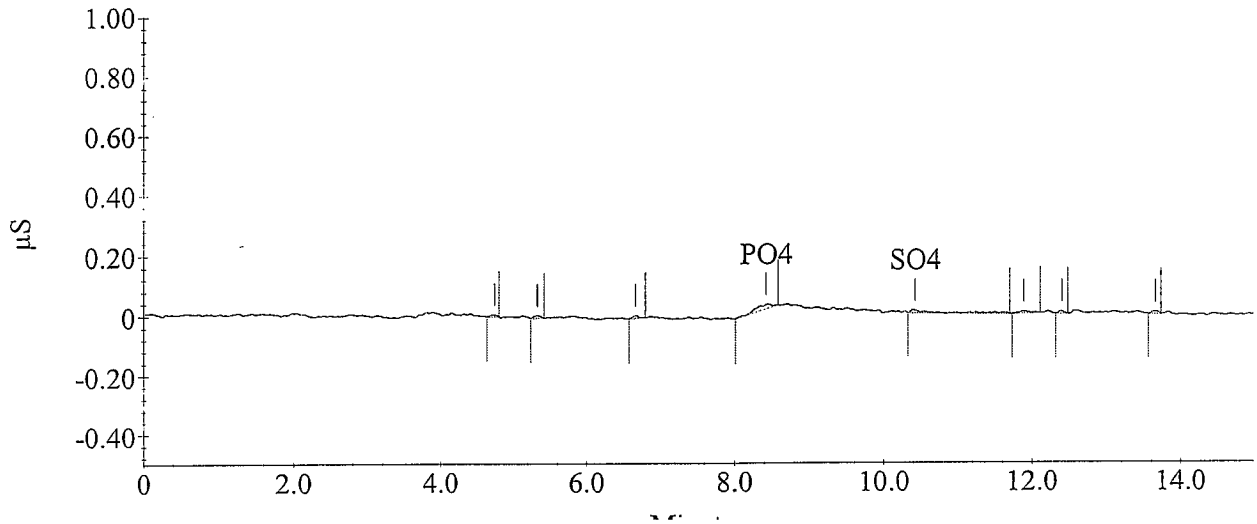
Sample Name : CCB #1
Data File Name : c:\peaknet\data\dx 320 data\070605\CCB #1_018.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 18
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 8:37:15 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #1



CCB #1



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #1
Data File Name : c:\peaknet\data\dx 320 data\070605\CCB #1_018.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 8:37:15 PM
Sample Weight : 1.00000

Injection Number : 18
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	4.75	0.00	386	62
Cl				
NO2				
Br				
NO3				
PO4	8.43	0.03	2362	145
SO4	10.43	0.03	2219	93

Peak Information : Unknown Peaks

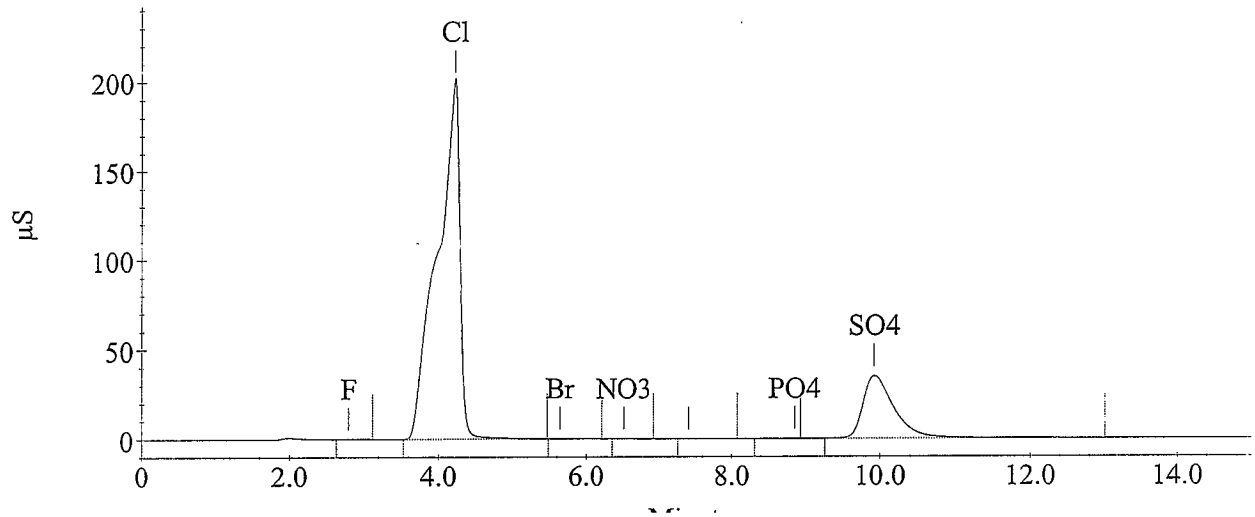
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	4.75	0.00	386	62
	5.33	0.00	525	79
	6.67	0.00	521	90
	11.89	0.00	607	67
	12.40	0.00	376	83
	13.65	0.00	494	74

STL North Canton Ion Chromatography Analysis Report

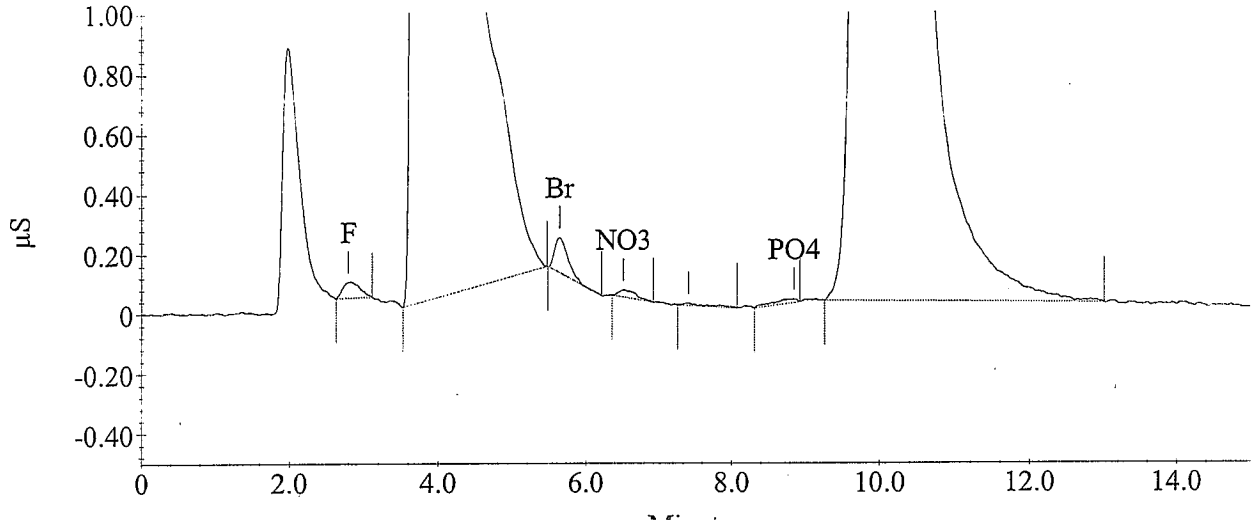
Sample Name : HEXEN
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEN_019.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 19
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 8:54:38 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXEN



HEXEN



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEN
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEN_019.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 8:54:38 PM
Sample Weight : 1.00000

Injection Number : 19
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.08	8578	524
Cl	4.21	314.32	41795170	1997437
NO2				
Br	5.64	0.45	14694	1167
NO3	6.52	0.02	4018	238
PO4	8.85	0.04	3310	118
SO4	9.92	137.79	9918853	347703

Peak Information : Unknown Peaks

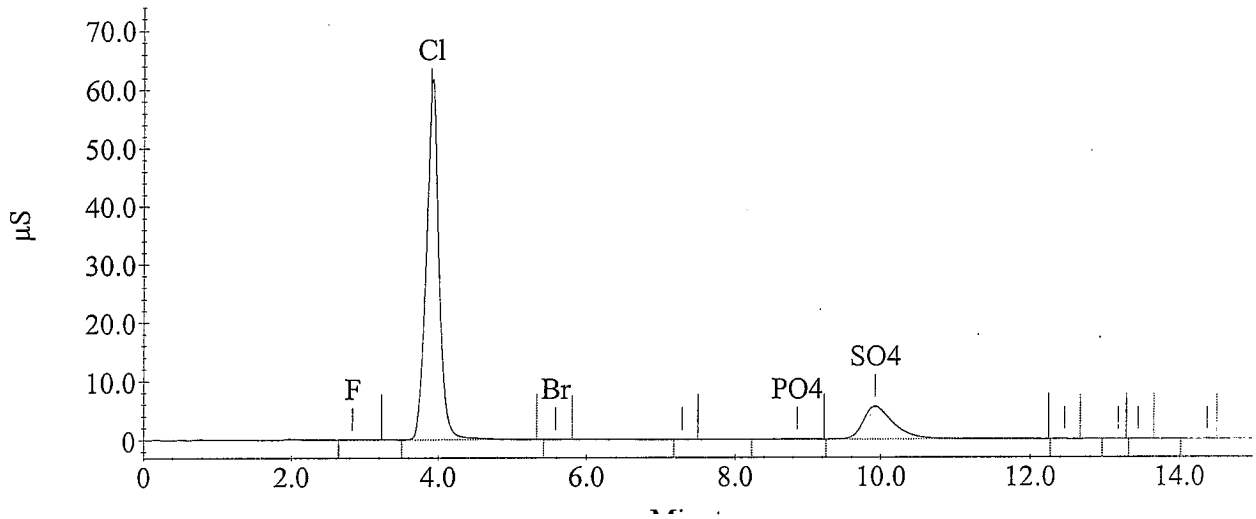
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.41	0.00	1733	76

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEN
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEN_020.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 20
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 9:12:04 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HEXEN



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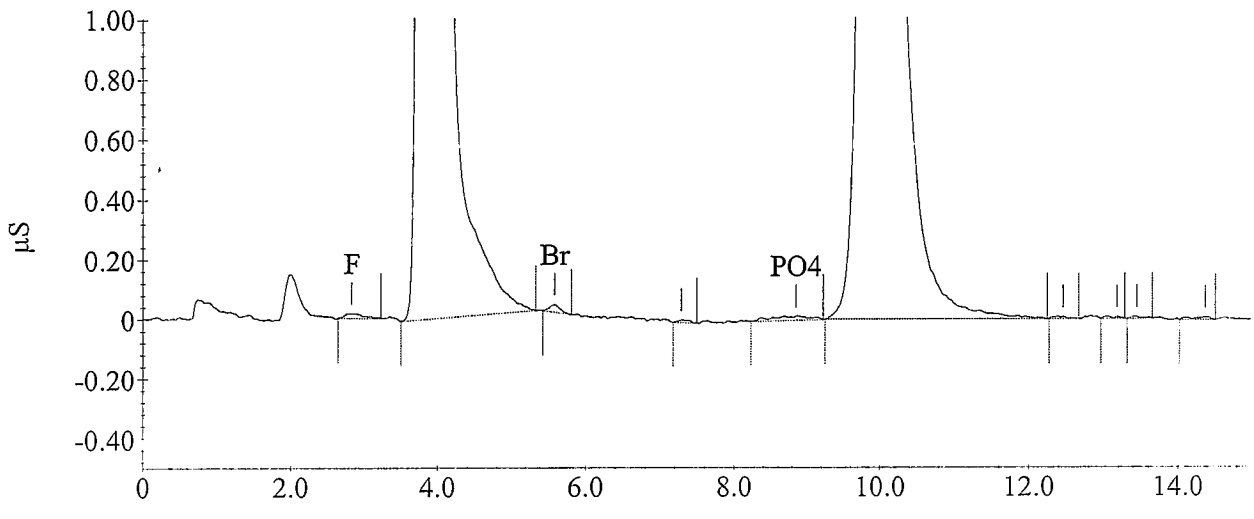


STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEN
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEN_020.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 9:12:04 PM
Sample Weight : 1.00000
Injection Number : 20
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.12	2734	151
Cl	3.90	346.56	7228680	578794
NO2				
Br	5.59	0.37	2399	249
NO3				
PO4	8.85	0.28	5208	136
SO4	9.92	120.87	1566538	55047

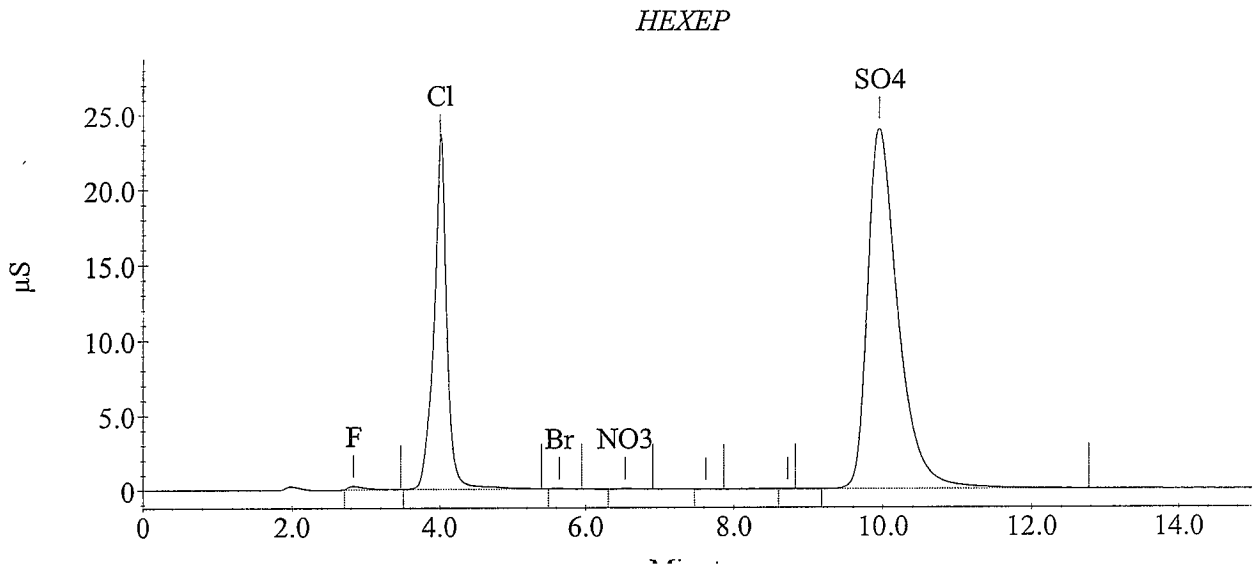
Peak Information : Unknown Peaks

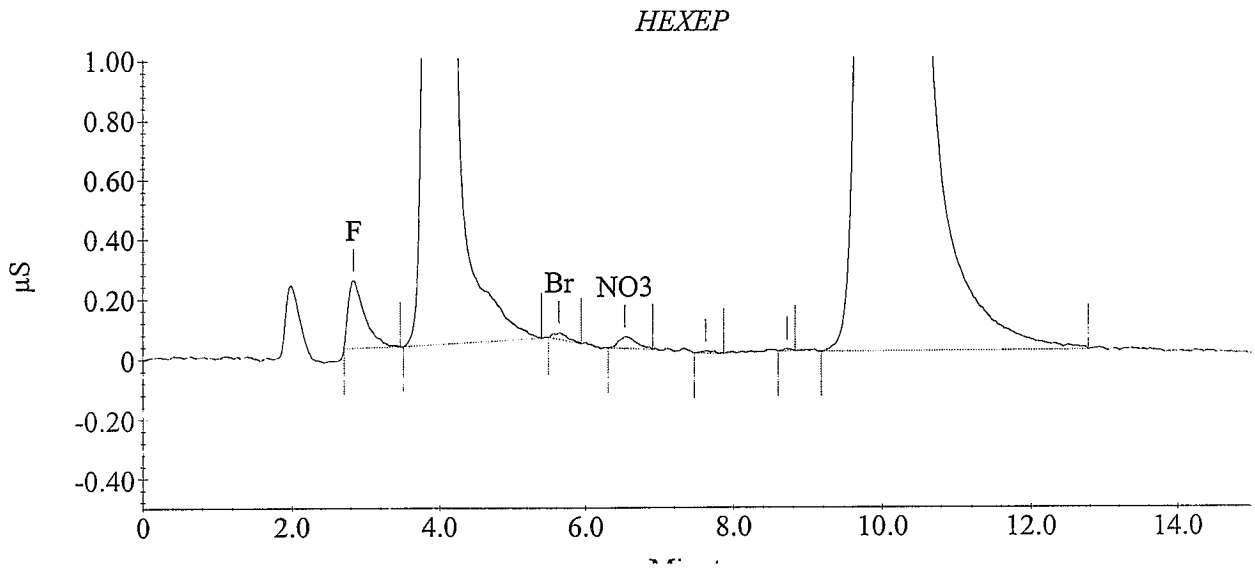
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.28	0.00	896	81
	12.45	0.00	902	69
	13.17	0.00	722	57
	13.44	0.00	626	61
	14.37	0.00	1419	82

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEP
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEP_021.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 21
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 9:29:28 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEP
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEP_021.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 9:29:28 PM
Sample Weight : 1.00000

Injection Number : 21
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.31	34542	2242
Cl	4.00	28.64	2908466	228480
NO2				
Br	5.64	0.09	2843	224
NO3	6.53	0.03	6433	385
PO4				
SO4	9.95	98.72	6826251	239400

Peak Information : Unknown Peaks

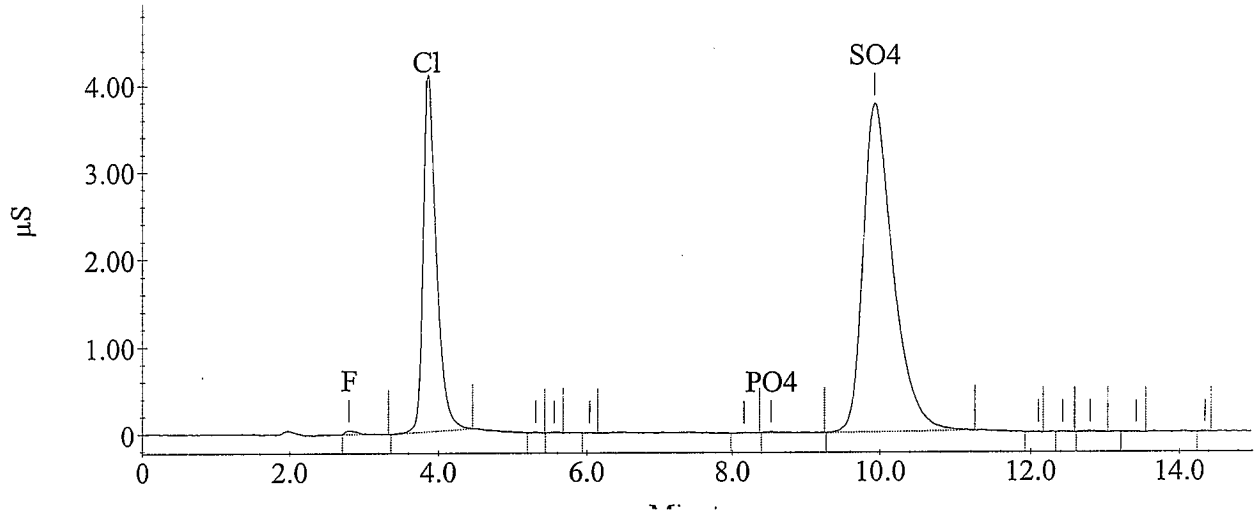
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.63	0.00	812	73
	8.72	0.00	515	71

STL North Canton Ion Chromatography Analysis Report

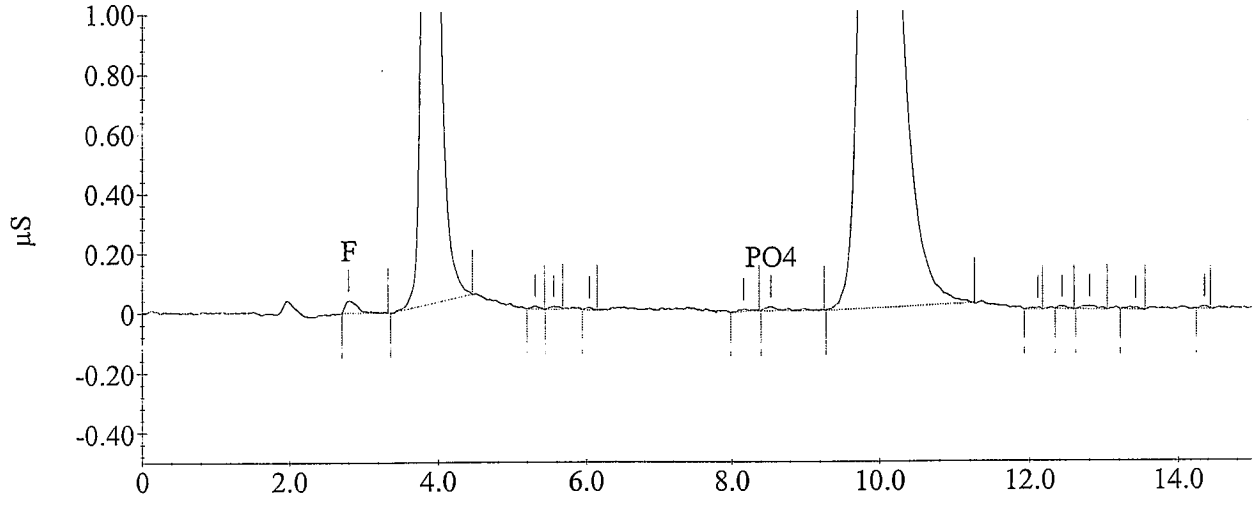
Sample Name : HEXEP
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEP_022.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 22
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 9:46:53 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HEXEP



HEXEP



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXEP
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXEP_022.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 9:46:53 PM
Sample Weight : 1.00000
Injection Number : 22
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.22	4775	398
Cl	3.83	24.79	496256	36569
NO2				
Br				
NO3				
PO4	8.53	0.09	1756	131
SO4	9.92	81.80	1053666	37389

Peak Information : Unknown Peaks

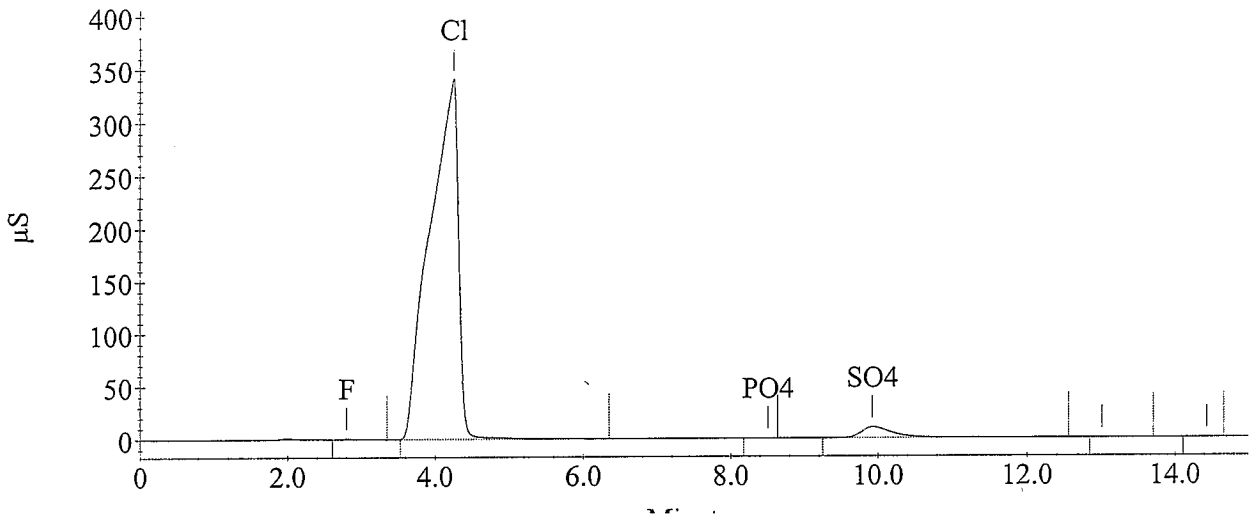
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	5.31	0.00	675	96
	5.56	0.00	830	89
	6.04	0.00	411	77
	8.16	0.00	844	71
	12.11	0.00	596	67
	12.43	0.00	798	83
	12.80	0.00	1642	109
	13.41	0.00	774	67
	14.35	0.00	521	79

STL North Canton Ion Chromatography Analysis Report

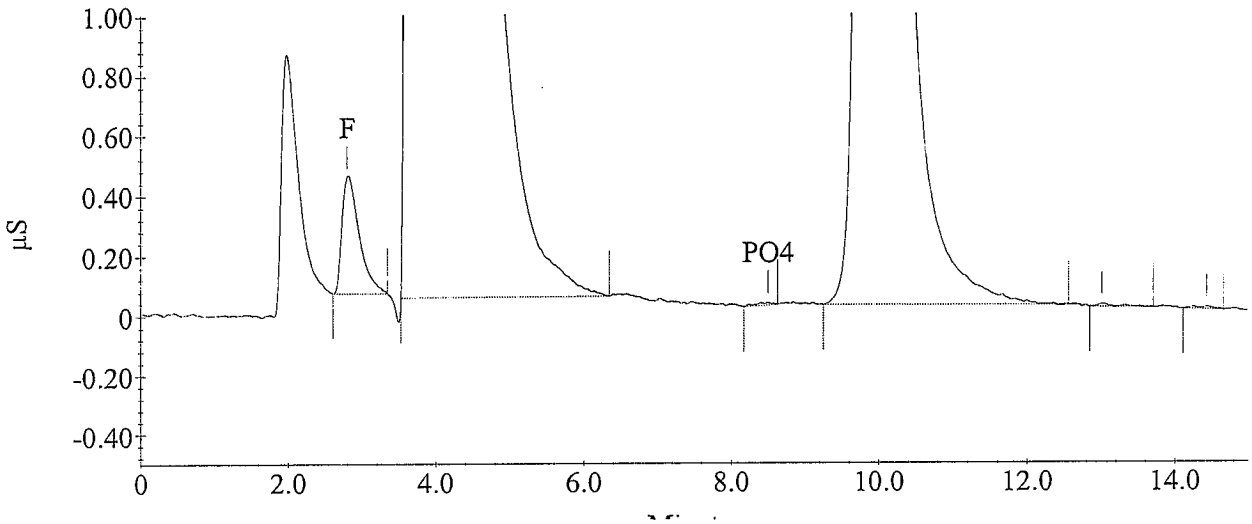
Sample Name : HEXER
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXER_023.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 23
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 10:04:17 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXER



HEXER



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXER
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXER_023.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 10:04:17 PM
Sample Weight : 1.00000

Injection Number : 23
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.57	63490	3829
Cl	4.25	416.57	90886027	3398104
NO2				
Br				
NO3				
PO4	8.51	0.01	1319	87
SO4	9.92	44.39	2924120	100884

Peak Information : Unknown Peaks

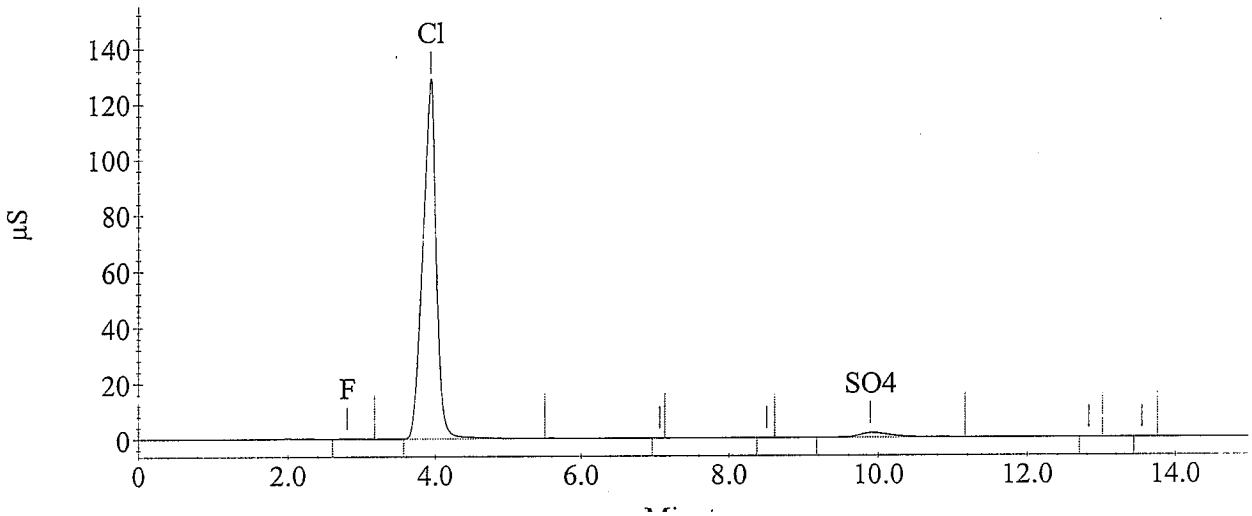
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	13.01	0.00	1529	96
	14.43	0.00	1277	77

STL North Canton Ion Chromatography Analysis Report

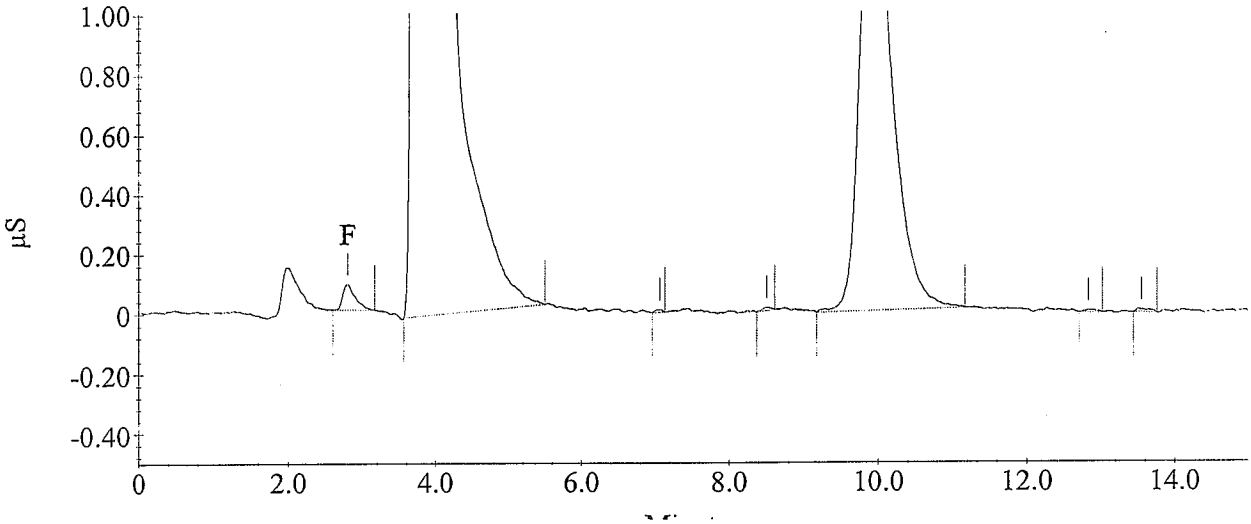
Sample Name : HEXER
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXER_024.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 24
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 10:21:41 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HEXER



HEXER



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXER
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXER_024.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 10:21:41 PM
Sample Weight : 1.00000

Injection Number : 24
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.44	9816	853
Cl	3.93	742.56	16432423	1269828
NO2				
Br				
NO3				
PO4				
SO4	9.89	36.74	470002	16197

Peak Information : Unknown Peaks

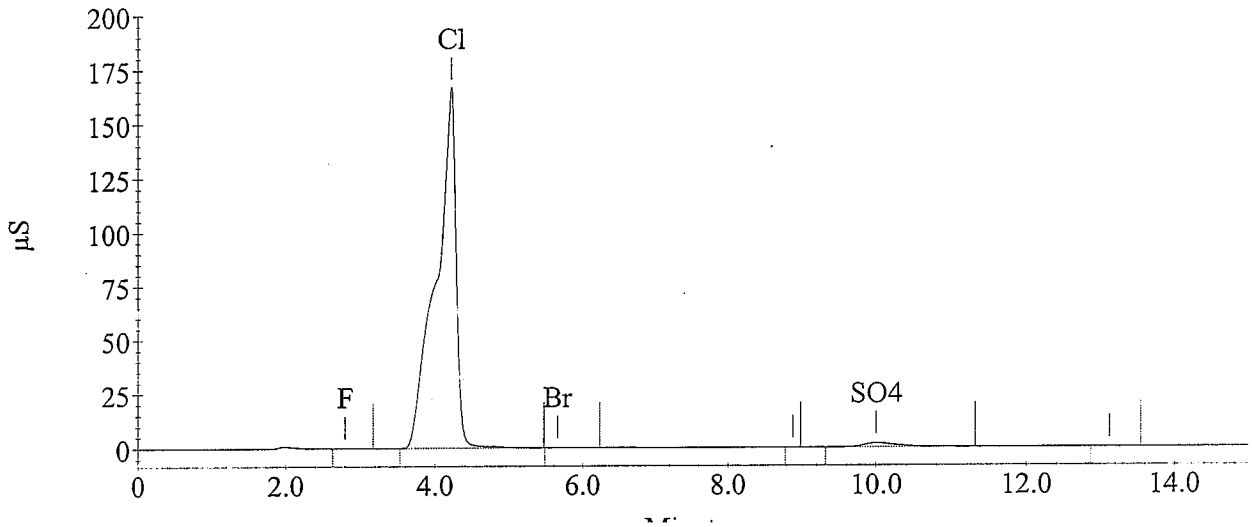
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	7.07	0.00	573	92
	8.51	0.00	791	100
	12.83	0.00	812	71
	13.55	0.00	1329	94

STL North Canton Ion Chromatography Analysis Report

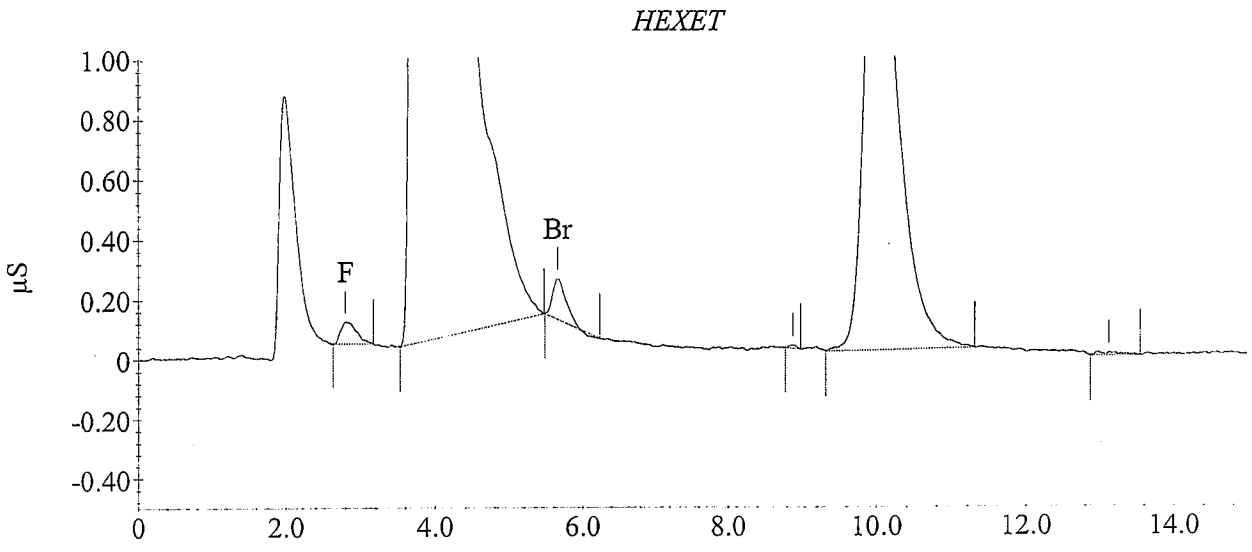
Sample Name : HEXET
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXET_025.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 25
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 10:39:06 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEXET



HEXET



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXET
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXET_025.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 10:39:06 PM
Sample Weight : 1.00000
Injection Number : 25
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.10	10794	719
Cl	4.21	250.47	30576286	1659654
NO2				
Br	5.65	0.52	16696	1341
NO3				
PO4				
SO4	10.00	8.11	518965	17624

Peak Information : Unknown Peaks

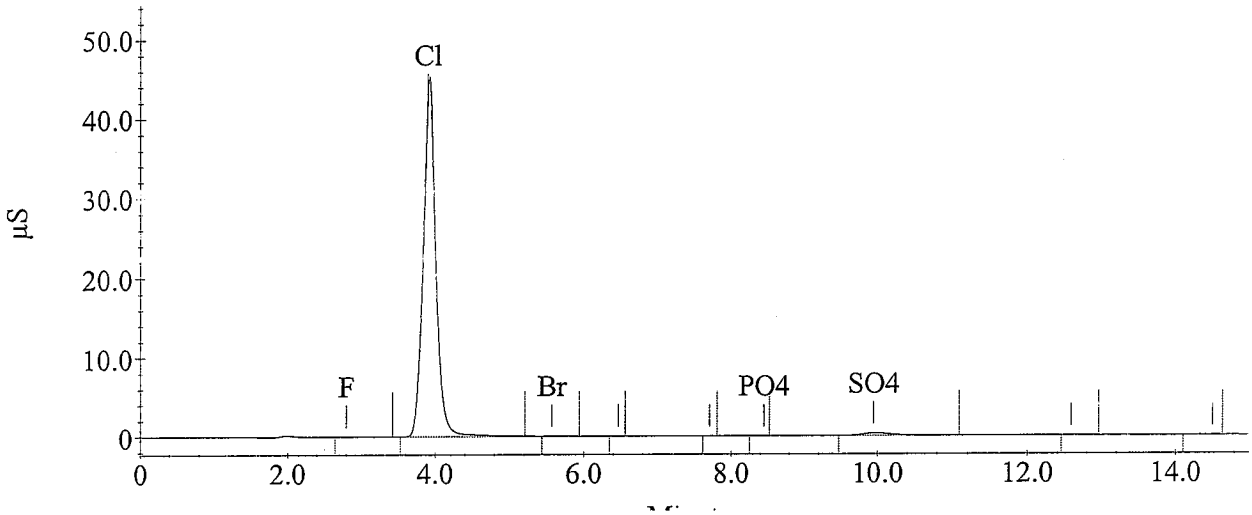
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	8.88	0.00	687	108
	13.12	0.00	1883	94

STL North Canton Ion Chromatography Analysis Report

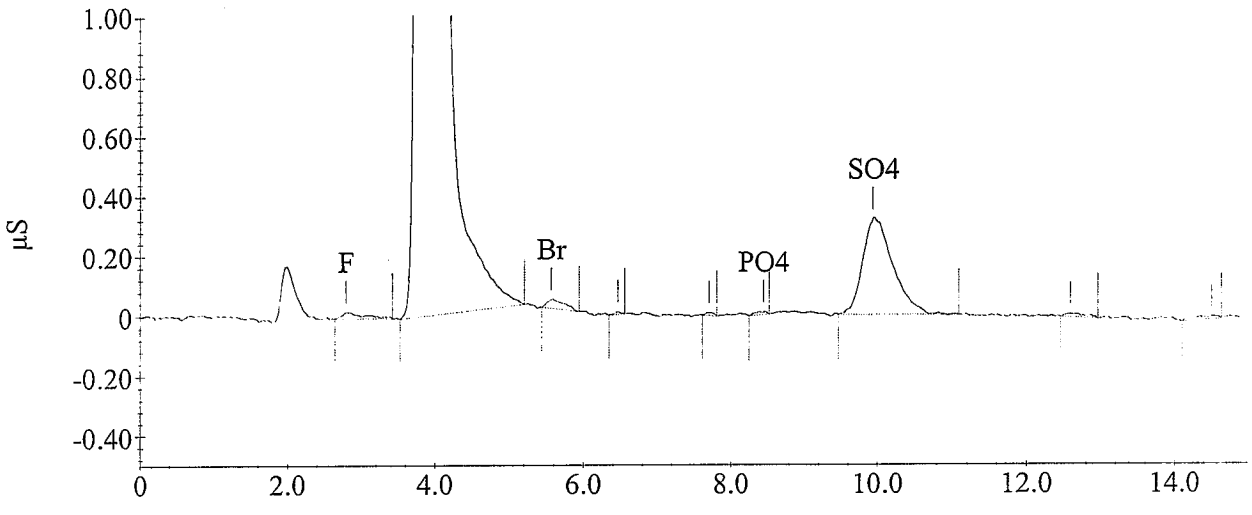
Sample Name : HEXET
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXET_026.DXD

Method File Name : ...\DX-320 062005.met	Injection Number : 26
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 10:56:30 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 5.00

HEXET



HEXET



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEXET
Data File Name : c:\peaknet\data\dx 320 data\070605\HEXET_026.DXD

Method File Name : ...\DX-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 10:56:30 PM
Sample Weight : 1.00000

Injection Number : 26
System Name : IC
System Operator : RN
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	0.20	4445	209
Cl	3.90	256.01	5275702	415957
NO2				
Br	5.57	0.76	4912	297
NO3				
PO4	8.45	0.06	1059	84
SO4	9.95	7.15	91071	3187

Peak Information : Unknown Peaks

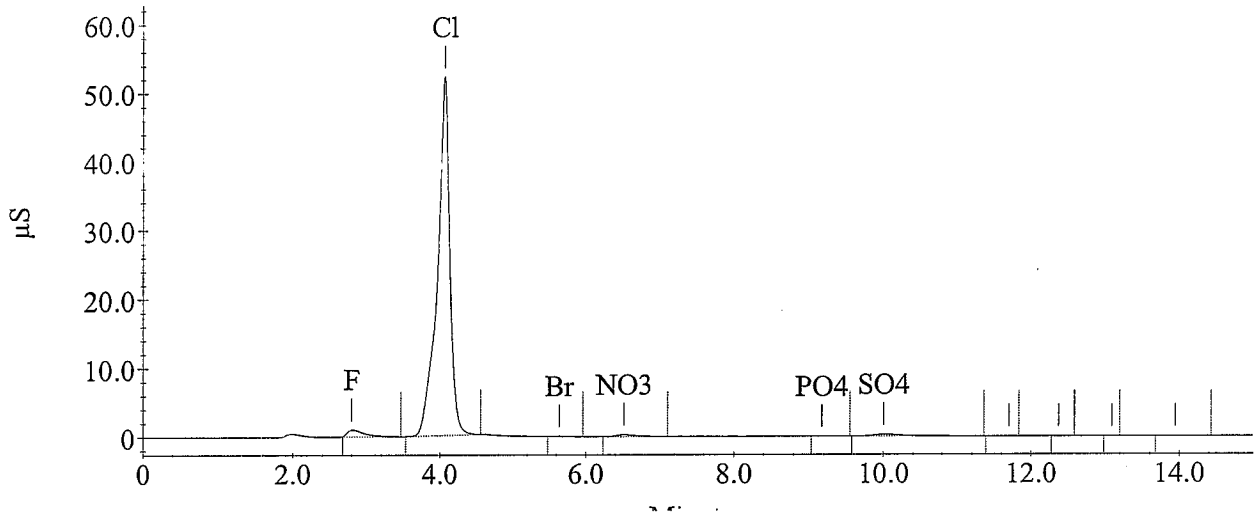
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	6.47	0.00	454	88
	7.71	0.00	707	98
	12.59	0.00	2191	109
	14.51	0.00	2650	103

STL North Canton Ion Chromatography Analysis Report

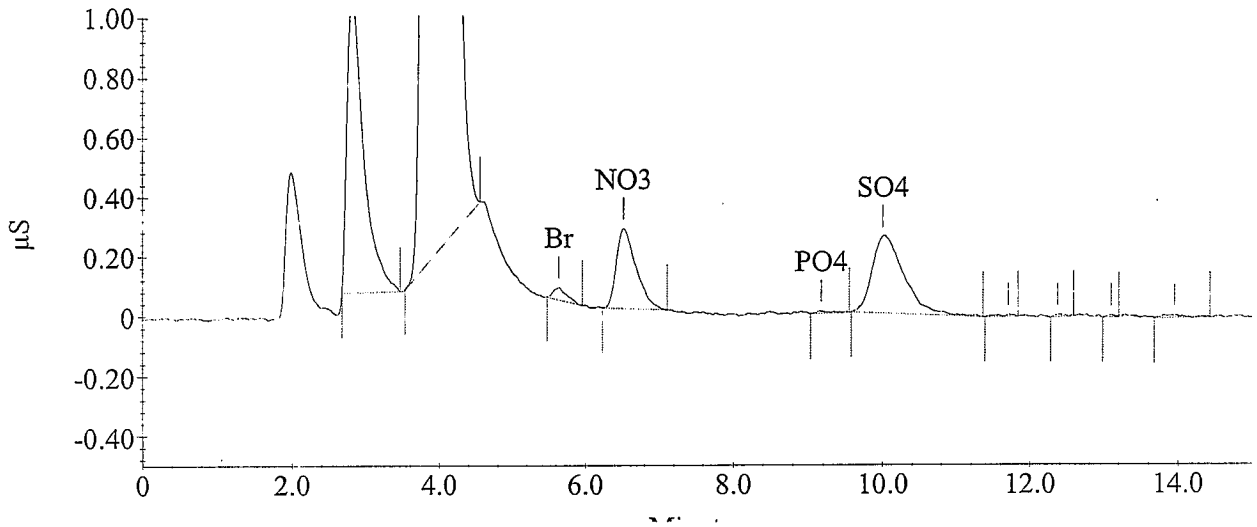
Sample Name : HEPM9 ORG
Data File Name : c:\peaknet\data\dx 320 data\070605\HEPM9 ORG_027.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 27
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 11:13:55 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEPM9 ORG



HEPM9 ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPM9 ORG
Data File Name : c:\peaknet\data\dx 320 data\070605\HEPM9 ORG_027.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 11:13:55 PM
Sample Weight : 1.00000

Injection Number : 27
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	1.39	155184	9770
Cl	4.07	59.95	6212594	520514
NO2				
Br	5.64	0.16	5125	406
NO3	6.52	0.27	49165	2658
PO4	9.17	0.01	1035	74
SO4	10.00	1.20	76668	2555

Peak Information : Unknown Peaks

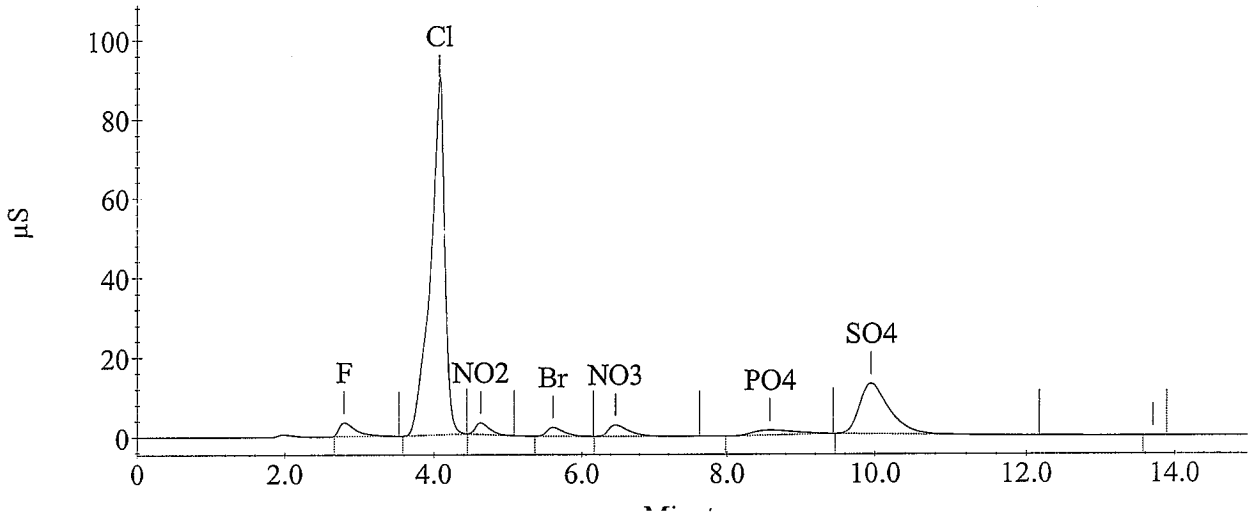
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	11.71	0.00	992	66
	12.37	0.00	605	73
	13.09	0.00	451	81
	13.95	0.00	1790	79

STL North Canton Ion Chromatography Analysis Report

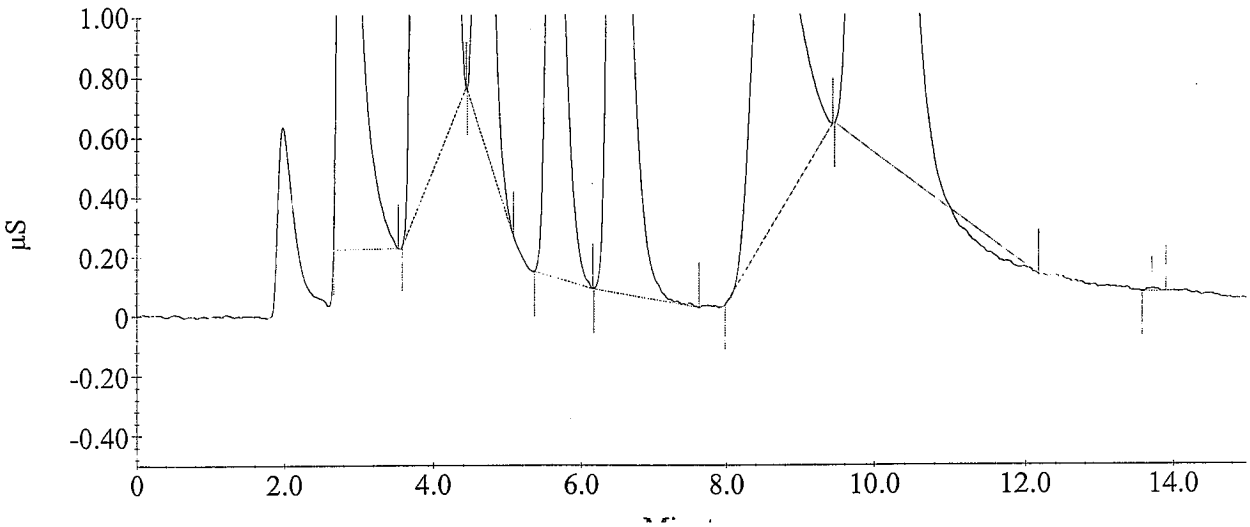
Sample Name : HEPM9 MS
Data File Name : c:\peaknet\data\dx 320 data\070605\HEPM9 MS_028.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 28
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 11:31:20 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

HEPM9 MS



HEPM9 MS



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPM9 MS
Data File Name : c:\peaknet\data\dx 320 data\070605\HEPM9 MS_028.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 11:31:20 PM
Sample Weight : 1.00000

Injection Number : 28
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.80	4.52	519058	33516
Cl	4.07	110.15	11827096	876517
NO2	4.63	2.40	367453	28719
Br	5.60	10.17	337238	21688
NO3	6.47	2.79	532686	27814
PO4	8.59	5.06	472182	12066
SO4	9.95	51.44	3408144	125405

Peak Information : Unknown Peaks

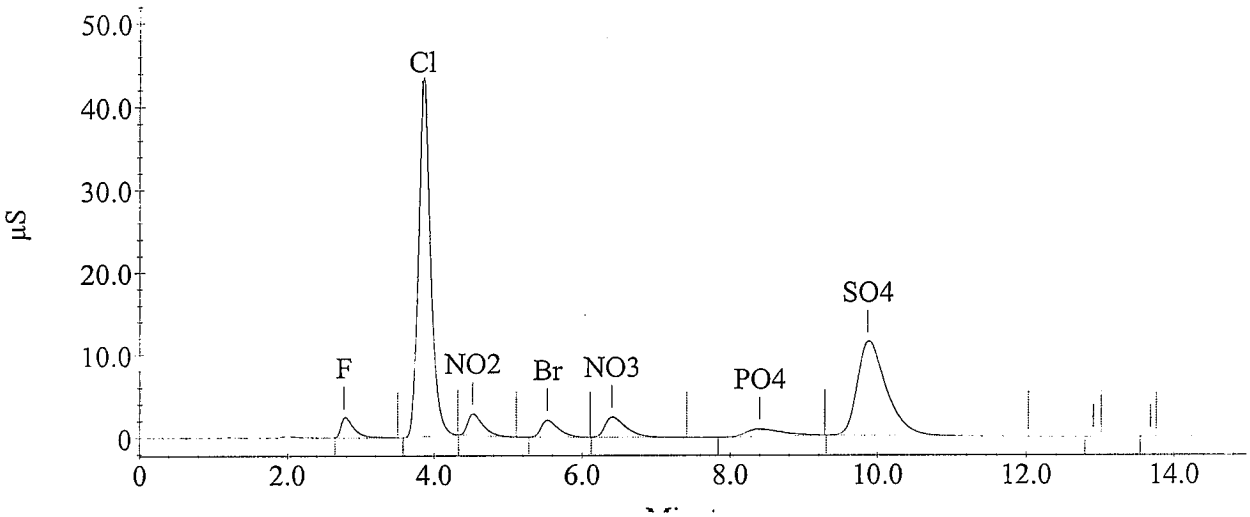
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	13.71	0.00	914	96

STL North Canton Ion Chromatography Analysis Report

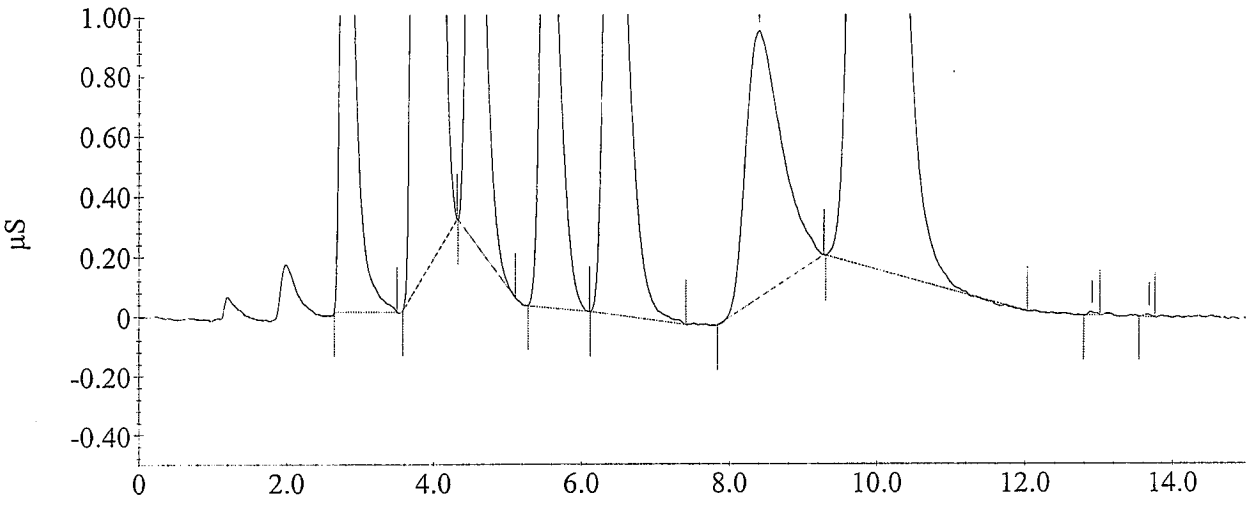
Sample Name : CCV #2
Data File Name : c:\peaknet\data\dx 320 data\070605\CCV #2_029.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 29
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/6/05 11:48:44 PM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #2



CCV #2



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #2
Data File Name : c:\peaknet\data\dx 320 data\070605\CCV #2_029.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/6/05 11:48:44 PM
Sample Weight : 1.00000

Injection Number : 29
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
F	2.77	2.60	293598	23099
Cl	3.83	47.48	4880807	390883
NO2	4.52	2.38	363725	25626
Br	5.53	9.73	322263	20202
NO3	6.40	2.45	465701	24061
PO4	8.40	3.17	296942	8880
SO4	9.87	47.00	3102900	113132

Peak Information : Unknown Peaks

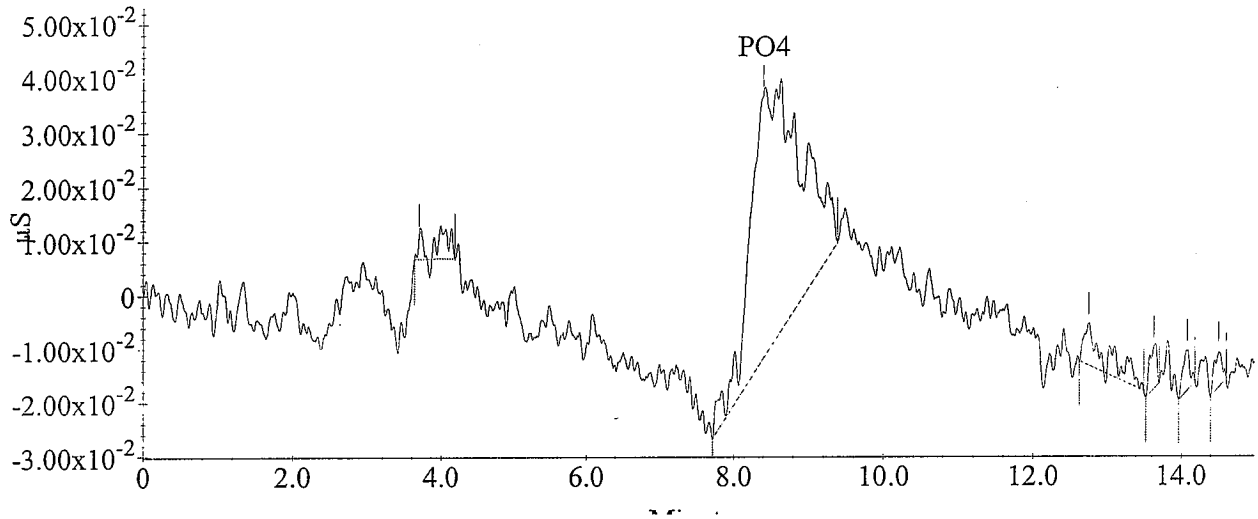
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	12.91	0.00	746	95
	13.68	0.00	561	73

STL North Canton Ion Chromatography Analysis Report

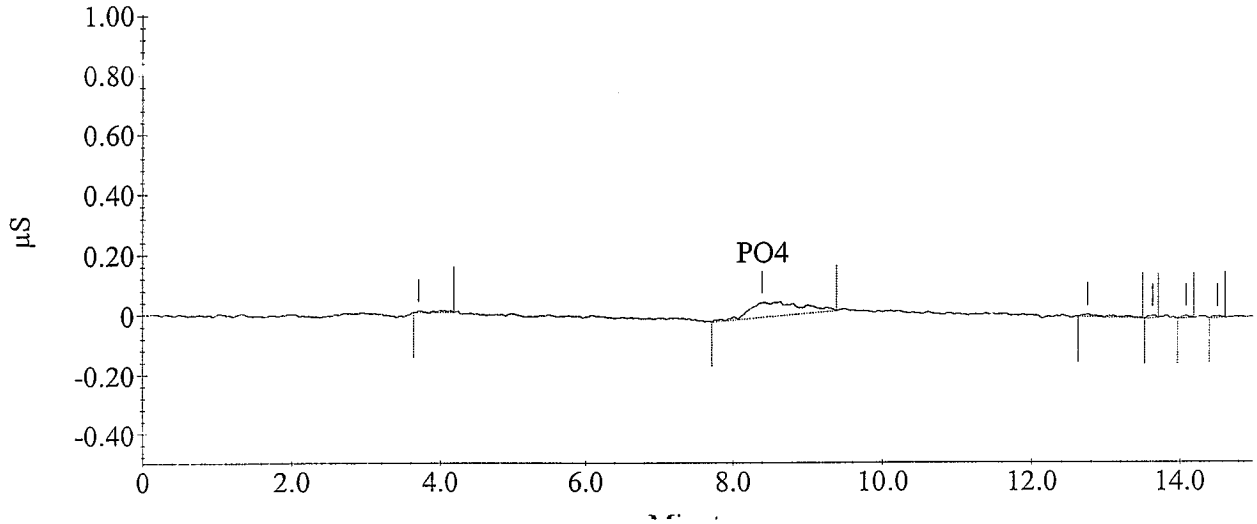
Sample Name : CCB #2
Data File Name : c:\peaknet\data\dx 320 data\070605\CCB #2_030.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met	Injection Number : 30
Schedule File Name : c:\peaknet\schedule\070605.sch	System Name : IC
Date Time Collected : 7/7/05 12:06:09 AM	System Operator : RN
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #2



CCB #2



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #2
Data File Name : c:\peaknet\data\dx 320 data\070605\CCB #2_030.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\070605.sch
Date Time Collected : 7/7/05 12:06:09 AM
Sample Weight : 1.00000

Injection Number : 30
System Name : IC
System Operator : RN
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.70	0.00	838	44
Cl				
NO2				
Br				
NO3				
PO4	8.40	0.24	22817	483
SO4				

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.70	0.00	838	44
	12.75	0.00	1641	78
	13.63	0.00	556	78
	14.08	0.00	511	74
	14.51	0.00	504	64

STL North Canton General Chemistry Data Review Checklist

Parameter(s): Sulfide

Batch(es): 5192636

Method #/SOP#: TV (9030B)

Reviewments	Level I Review YES	Level I Review NO	Level I Review N/A	Level II Review YES	Level II Review NO	Level II Review N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?			✓			✓
2. Calibration curve consist of the minimum number of calibration standards?			✓			✓
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			✓			✓
4. ICB analyzed immediately after ICV and within criteria (±RL)?			✓			✓
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			✓			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			✓			✓
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓	C	
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			✓			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
E. Titrant						
1. Titrant standardized?		✓			✓	
2. If no, standardization expires 7/20/05						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?	✓			✓		
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?	✓			✓		
5. Date/time of preparation and analysis verified as correct ?	✓			✓		
6. Units verified as correct?	✓			✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓			✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed			✓	✓		

Comment on any "NO" response(s):

Level I reviewer: Tim Anderson Date: 7/11/05

Level II Reviewer: Angela Serna Date: 7/12/05

Level I review:

			STL, North Canton		
			Sulfide Logsheet		
Prep Date	7/11/2005	Analyst	TA		Batch
					5192636
Anal Date	7/11/2005				
					Lcs No.
Titrant	SODIUM				SD5012
Name	THIOSULFATE		Name	Iodine	Prep Date
Normality	0.025		Normality	0.0283	7/11/2005
	Standardization				
Date	6/20/2005		Date	7/11/2005	RL
Intials	RN		Intials	TA	1 MG/L

Sample No.	Sample Vol	dil	Titrant Vol (ml)	Final Conc mg/L or mg/kg		QC/Calc
BLK	250	1	22.8	✓	-0.26	
LCS	250	1	13	✓	15.42	TV=15.53 99%
LCSD	250	1	13.1	✓	15.26	98%
HEXEE	250	1	22.5	✓	0.22	
HEXEG	250	1	22.4	✓	0.38	
HEXEH	250	1	22.5	✓	0.22	
HEXEJ	250	1	22.5	✓	0.22	
HEXEL	250	1	22.6	✓	0.06	
HEXEN	250	1	22.6	✓	0.06	
HEXEP	250	1	22.6	✓	0.06	
HEXER	250	1	22.7	✓	-0.10	
HEXET	250	1	22.6	✓	0.06	
LCS TV	250	1	12.9		15.58	
LCS TV	250	1	12.9		15.58	
LCS TV	250	1	13		15.42	

TV 5W846 9030B

STL – NORTH CANTON
SULFIDE, REACTIVE SULFIDE LOGSHEET

Prep/Anal Date 7/11/05 Batch 5192636

Analyst TA LCS No. SD5012

RL 1mg/L LCS Prep Date 7/11/05

SODIUM THIOSULFATE IODINE # mls used 20

Normality .025 Normality .0283

Standardization Date 6/20/05 Standardization Date 7/11/05

Initials RN Initials TA

Sample	Sample Volume	Dil	Titrant Vol (mL)	Final Conc	Units	QC Calc and Comments
Blank	250		22.8	see excel	mg/L	
LCS			13.0			TV = 15.53
LCSD			13.1			
~~HE~~ XEE			22.5			
XFG			22.4			
XEH			22.5			WR 50458
XEJ			22.5			WR 50453
XEL			22.6			WR 50671
XEN			22.6			WR 50672
XEP			22.6			WR 50676
XER			22.7			
XET			22.6			

20ml of 2000ppm 505012

7/11/05

TD

N:\QAQC\LAB_FORM\Wet Chem Sulfide Log.doc Revision 0, 06/01/01 DJL

STL North Canton General Chemistry Data Review Checklist

Parameter(s): CN-

Batch(es): 50 05/13/05 5196286

Method #/SOP#: 9012A

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?	✓			✓		
2. Calibration curve consist of the minimum number of calibration standards?				✓		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)				✓		
4. ICB analyzed immediately after ICV and within criteria (±RL)?				✓		
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			✓		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			✓		
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			✓		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
E. Standardization						
1. Titrant standardized?			✓			✓
2. If no, standardization expires						
F. Calculations						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?			✓			✓
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?				✓		
5. Date/time of preparation and analysis verified as correct ?				✓		
6. Units verified as correct?				✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓	✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s):

Level I reviewer: [signature] Date: 7/15/05

Level II Reviewer: [signature] Date: 7/15/05

Level I review:

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

Name of Run	: 050715A	Name of Analysis	: CN-NONCLPCHANNEL2.ANL
Date of Report	: 7/15/05	System No.	: 2
Date of Run	: 7/15/05	Type of System	: TRAACS
Operator	: OC	Start/Stop time	: 12:57 - 13:39
Comment	:		

5196286

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Channel Type	:	Real	Data	Data
Channel	:	2	1	2
Method	:	CN-Method 2	Weight	Dilution
Unit	:	mg/L		
Calibr. Fit	:	Linear		
Corr. Coeff.	:	1.0000 ✓		
Base	:	70		
Gain	:	72		
Sensitivity	:	0.1336		
Sample Limit 1	:			
Sample Limit 2	:			

Pk	Cup		Sample Id	Conc	Conc	Conc
0	0	B	Baseline	-0.0010	0.0000	0.0000
1	1	P	Primer	0.1987	1.0000	1.0000
2	1	C	.200 PPM CY50206 17	0.1998	1.0000	1.0000
3	2	C	.100 PPM CY50207 18	0.1001	1.0000	1.0000
4	3	C	.050 PPM CY50208 19	0.0505	1.0000	1.0000
5	4	C	.025 PPM CY50209 20	0.0248	1.0000	1.0000
6	5	C	.010 PPM CY50210 21	0.0102	1.0000	1.0000
7	6	C	.005 PPM CY50217 22	0.0046	1.0000	1.0000
8	1	H1	High	0.1985	1.0000	1.0000
9	0	L1	Low	0.0003	1.0000	1.0000
10	0	L1	Low	0.0004	1.0000	1.0000
11	2	D	Drift	0.1002	1.0000	1.0000
12	7	QC1	ICV CY50223	0.0983 ✓	1.0000	1.0000
13	8	QC2	ICB	0.0000 ✓	1.0000	1.0000
14	5	QC1	0.01	0.0099	1.0000	1.0000
15	9	QC3	PREP BLK	-0.0006 ✓	1.0000	1.0000
16	10	QC4	LCS	0.1746 /.16	1.0000	1.0000
17	11	S	0.025	0.0249 ✓	1.0000	1.0000
18	12	S	0.075	0.0769 ✓	1.0000	1.0000
19	13	S	HEXEE	0.0011	1.0000	1.0000
20	14	S	HEXEG	0.0014	1.0000	1.0000
21	15	S	HEXEH	0.0003	1.0000	1.0000
22	16	S	HEXEJ	-0.0007	1.0000	1.0000
23	17	S	HEXEJ MS	0.0388	1.0000	1.0000
24	18	S	HEXEJ MSD	0.0382	1.0000	1.0000

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25	19	S	HEXEL	0.0014	1.0000	1.0000
26	20	S	HEXEN	0.0041	1.0000	1.0000
27	5	QC10.01		0.0097	1.0000	1.0000
28	2	QC1	CCV	0.1014	1.0000	1.0000
29	8	QC2	CCB	-0.0004	1.0000	1.0000
30	21	S	HEXEP	0.0018	1.0000	1.0000
31	22	S	HEXER	0.0015	1.0000	1.0000
32	23	S	HEXET	0.0019	1.0000	1.0000
33	24	S	HE1DD	-0.0002	1.0000	1.0000
34	25	S	HE1DG	0.0006	1.0000	1.0000
35	26	S	HE1DJ	0.0006	1.0000	1.0000
36	27	S	HE1DK	0.0008	1.0000	1.0000
37	28	S	HE1DL	0.0098	1.0000	1.0000
38	29	S	HE1DN	-0.0004	1.0000	1.0000
39	30	S	HE1DP	0.0004	1.0000	1.0000
40	5	QC10.01		0.0092	1.0000	1.0000
41	2	QC1	CCV	0.0992	1.0000	1.0000
42	8	QC2	CCB	-0.0001	1.0000	1.0000
43	31	S	HE1DQ	0.0001	1.0000	1.0000
44	32	S	HE1DR	-0.0004	1.0000	1.0000
45	33	S	HE47C	-0.0008	1.0000	1.0000
46	34	S	HE6DX	-0.0009	1.0000	1.0000
47	5	QC100.01		0.0094	1.0000	1.0000
48	2	QC1	CCV	0.0993	1.0000	1.0000
49	8	QC2	CCB	0.0003	1.0000	1.0000
50	2	D	Drift	0.1002	1.0000	1.0000
51	0	B	FinalBase	-0.0010	1.0000	1.0000

QC Limits

Channel :	2
QC 1	Unused
QC 2	Unused
QC 3	Unused
QC 4	Unused
QC 5	Unused
QC 6	Unused
QC 7	Unused
QC 8	Unused
QC 9	Unused
QC10	Unused

CORRECTIONS

Channel :	2
Baseline :	Yes
Drift :	Yes
Carry over :	Yes
%:	2.4

---

* ... Sample offscale
+ ... Result higher than sample limit
- ... Result lower than sample limit
P ... Standard passed
F ... Standard failed
N ... Value not calculated or not used
R ... Resample after offscale
M ... Peak marker moved manually
D ... Diluted sample

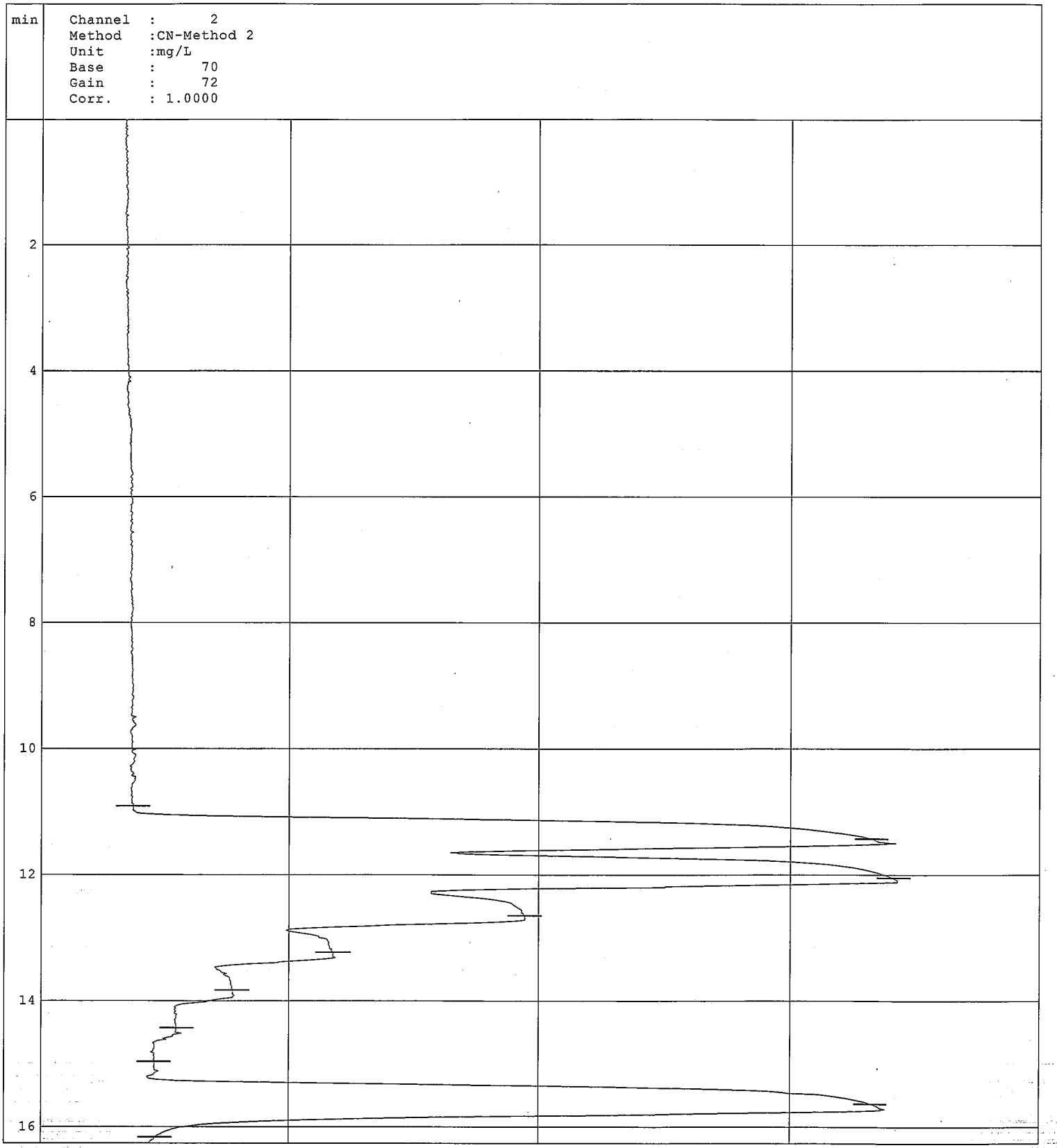
** <END OF REPORT> **

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

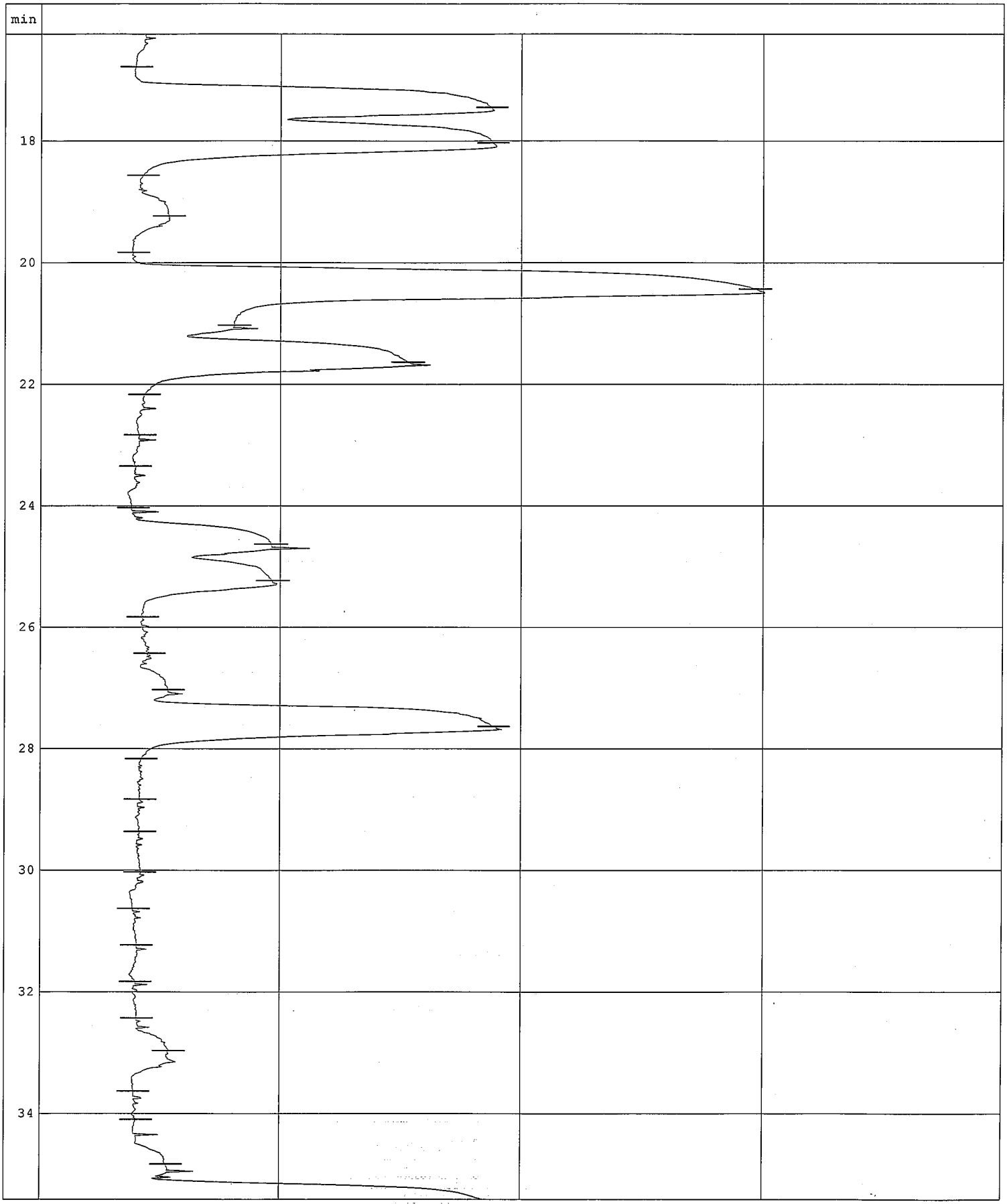
Name of run :050715A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



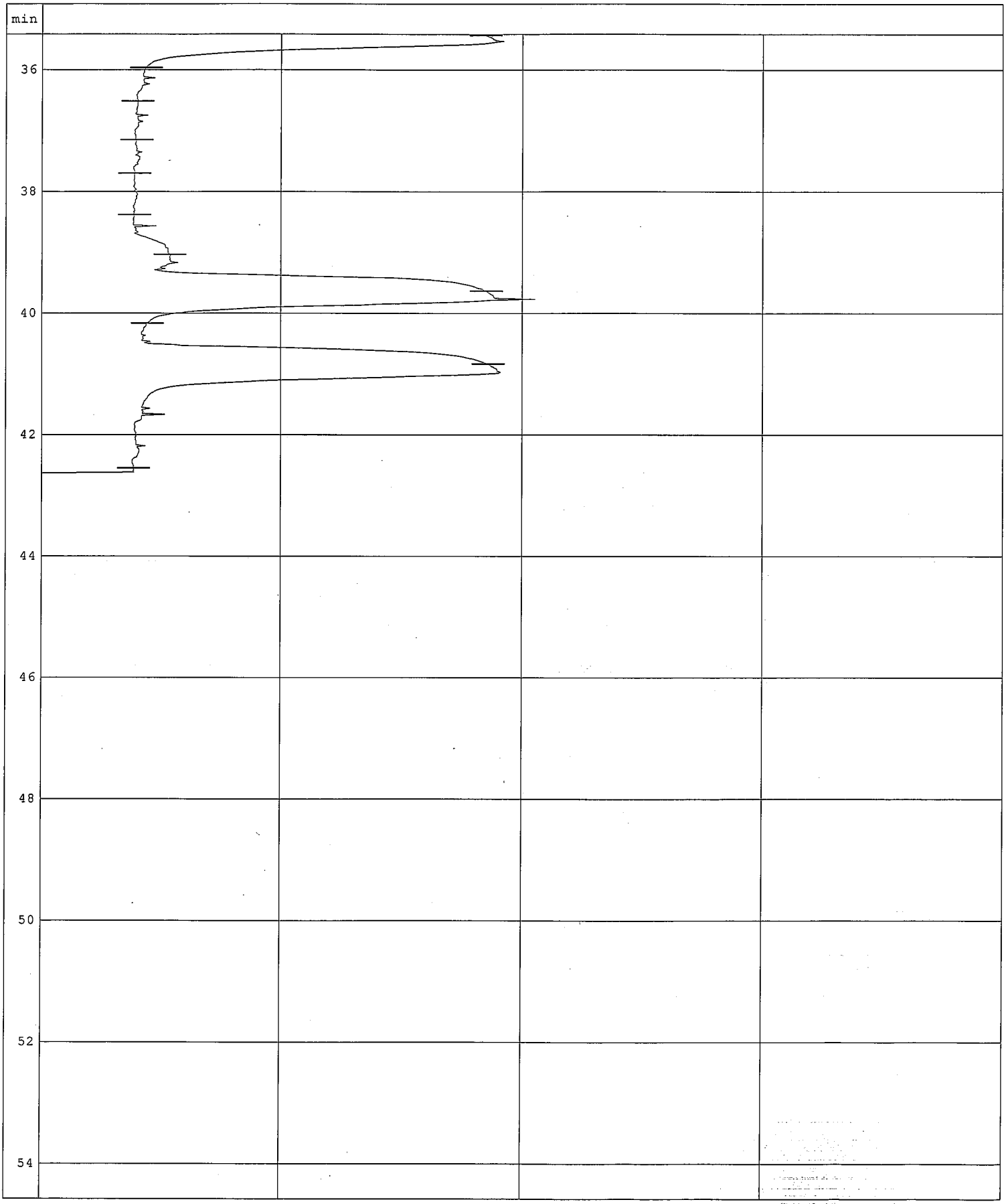
Name of run :050715A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



Name of run :050715A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



Severn Trent North Canton
Cyanide Reagents

Date: 7/15/2005

Analyst: MFG

Reagent Name	Reagent Number
Sulfamic Acid	WR50608
Magnesium Chloride	WR50105
NaOH	WR50707
Chloromine T	WR50722
Phosphate Buffer	WR50632
Pyradine Barbituric Acid	WR50721
Ottowa Sand	WR50057

STL – NORTH CANTON
CYANIDE DISTILLATION LOGSHEET

Prep/Anal Date 7/15/05 Analyst(s) QC Batch _____

LCS No 118502 MS/MSD No cy50224 MS Prep Date _____

Start Time 10:20 End Time 11:20 Cool Down Time 15

Sample	Type T	C	F	pH >12	S	Cl2	Sample Volume (mL)	Final Volume (mL)	Comments
BLANK	T	C	F	✓	✓	✓	50	50	
LCS	T	C	F						TV = .166
.025	T	C	F						.125 of 10ppm 10 2
.075	T	C	F						.375
HEXEG	T	C	F						
EG	T	C	F						
EH	T	C	F						
EJ	T	C	F						
EJ MS	T	C	F						2mls of 1ppm 2° 2
EJ MSD	T	C	F						
EL	T	C	F						
EN	T	C	F						
EP	T	C	F						
ER	T	C	F						
ET	T	C	F						
HE10D	T	C	F						
DG	T	C	F						
DJ	T	C	F						
DK	T	C	F	✓					11 pH
DL	T	C	F	✓					10 pH
DN	T	C	F	✓					
DP	T	C	F						
DQ	T	C	F						
DR	T	C	F						
HE47C	T	C	F						
GDX	T	C	F						

Type: T = Total C = Chlorinated F = Free

S and Cl2 Column – a check mark in these columns indicates the sample was checked for this interference. If the interference is present, the analyst will address this in the comments section.

N:\QAQC\LAB_FORM\Wet Chem CN Distillation Log.doc Revision 0, 06/01/01 DJL

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5G060137	1		HEXEE1AG	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	1		HEXEE1AC	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	1		HEXEE1AD	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	1		HEXEE1AE	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	1		HEXEE1AF	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	1		HEXEE1AH	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson
A5G060137	2		HEXEG1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	2		HEXEG1AM	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	2		HEXEG1AN	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	2		HEXEG1AP	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	2		HEXEG1AQ	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	2		HEXEG1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson
A5G060137	3		HEXEH1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	3		HEXEH1AM	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	3		HEXEH1AN	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	3		HEXEH1AP	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	3		HEXEH1AQ	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	3		HEXEH1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson
A5G060137	4		HEXEJ1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	4		HEXEJ1AM	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	4		HEXEJ1AN	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	4		HEXEJ1AP	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	4		HEXEJ1AQ	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	4		HEXEJ1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson
A5G060137	4	S	HEXEJ1CE	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	4	S	HEXEJ1CA	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	4	S	HEXEJ1CD	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5G060137	4	D	HEXEJ1CF	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	5		HEXEL1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	5		HEXEL1AM	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	5		HEXEL1AN	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	5		HEXEL1AP	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	5		HEXEL1AQ	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	5		HEXEL1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson
A5G060137	6		HEXEN1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	6		HEXEN1AM	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	6		HEXEN1AN	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	6		HEXEN1AP	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	6		HEXEN1AQ	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	6		HEXEN1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson
A5G060137	7		HEXEP1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	7		HEXEP1AM	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	7		HEXEP1AN	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	7		HEXEP1AP	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	7		HEXEP1AQ	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	7		HEXEP1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson
A5G060137	8		HEXER1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	8		HEXER1AM	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	8		HEXER1AN	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	8		HEXER1AP	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	8		HEXER1AQ	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	8		HEXER1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson
A5G060137	9		HEXET1AR	Cyanide, Total (9012A, Automated)	07/15/05	Olguita Colon	07/15/05	Olguita Colon
A5G060137	9		HEXET1AM	Chloride (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5G060137	9		HEXET1AN	Nitrate as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	9		HEXET1AP	Nitrite as N (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	9		HEXET1AQ	Sulfate (300.0, Ion Chromatography)	07/06/05	Rebecca Nolan	07/06/05	Rebecca Nolan
A5G060137	9		HEXET1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/11/05	Tia Anderson	07/11/05	Tia Anderson

SEVERN TRENT STL

END OF REPORT

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SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

YEOMAN CREEK LANDFILL

Lot #: A5G010137

Carlos Serna

Matrix Environmental, Inc.
1880 West Winchester Road
Suite 111
Libertyville, IL 60048

SEVERN TRENT LABORATORIES, INC.

David S. Heakin
Project Manager

July 21, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A5G010137

The following report contains the analytical results for seven water samples submitted to STL North Canton by Matrix Environmental, Inc. from the Yeoman Creek Landfill Site. The samples were received July 01, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, David S. Heakin, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 1.9°C.

GC/MS VOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

CASE NARRATIVE (continued)

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

Matrix spike recovery and relative percent difference (RPD) data were not calculated for some analytes for batch(s) 5188014 due to the sample concentration reading greater than four times the spike amount. See the Matrix Spike Report for the affected analytes which will be flagged with "NC, MSB".

No ICP Trace Form IX was provided for batch(es) 5188014. The serial dilution was performed on a different sample from the same QC batch(es).

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5G010137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-208 06/30/05 17:15 001				
Arsenic	0.019	0.010	mg/L	SW846 6010B
Cobalt	0.0053 B	0.0070	mg/L	SW846 6010B
Barium	0.039 B	0.20	mg/L	SW846 6010B
Boron	0.24	0.20	mg/L	SW846 6010B
Calcium	272 J	5.0	mg/L	SW846 6010B
Iron	25.5	0.10	mg/L	SW846 6010B
Potassium	12.0 J	5.0	mg/L	SW846 6010B
Magnesium	127	5.0	mg/L	SW846 6010B
Manganese	1.3 J	0.015	mg/L	SW846 6010B
Sodium	21.2	5.0	mg/L	SW846 6010B
Nickel	0.0071 B	0.040	mg/L	SW846 6010B
Benzene	0.84 J	1.0	ug/L	SW846 8260B
Chlorobenzene	6.8	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	0.46 J	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	1.7	1.0	ug/L	SW846 8260B
Vinyl chloride	0.34 J	1.0	ug/L	SW846 8260B
Chloride	36.4	1.0	mg/L	MCAWW 300.0A
Sulfate	815	5.0	mg/L	MCAWW 300.0A
MW-207 06/30/05 09:45 002				
Barium	0.26	0.20	mg/L	SW846 6010B
Boron	0.33	0.20	mg/L	SW846 6010B
Calcium	147 J	5.0	mg/L	SW846 6010B
Iron	2.6	0.10	mg/L	SW846 6010B
Potassium	27.1 J	5.0	mg/L	SW846 6010B
Magnesium	80.0	5.0	mg/L	SW846 6010B
Manganese	0.034 J	0.015	mg/L	SW846 6010B
Sodium	65.1	5.0	mg/L	SW846 6010B
Nickel	0.0019 B	0.040	mg/L	SW846 6010B
Chloride	171	1.0	mg/L	MCAWW 300.0A
Sulfate	121	1.0	mg/L	MCAWW 300.0A
MW-206 06/30/05 11:28 003				
Arsenic	0.25	0.010	mg/L	SW846 6010B
Vanadium	0.0037 B	0.0070	mg/L	SW846 6010B
Barium	0.22	0.20	mg/L	SW846 6010B
Boron	18.0	0.20	mg/L	SW846 6010B
Calcium	141 J	5.0	mg/L	SW846 6010B
Iron	3.1	0.10	mg/L	SW846 6010B
Potassium	36.1 J	5.0	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5G010137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-206 06/30/05 11:28 003				
Magnesium	153	5.0	mg/L	SW846 6010B
Manganese	0.20 J	0.015	mg/L	SW846 6010B
Sodium	102	5.0	mg/L	SW846 6010B
Nickel	0.0049 B	0.040	mg/L	SW846 6010B
Acetone	1.2 J	10	ug/L	SW846 8260B
Benzene	1.0	1.0	ug/L	SW846 8260B
2-Butanone	0.42 J	10	ug/L	SW846 8260B
1,2-Dichloroethene (total)	0.43 J	1.0	ug/L	SW846 8260B
Vinyl chloride	0.30 J	1.0	ug/L	SW846 8260B
Chloride	94.9	5.0	mg/L	MCAWW 300.0A
Sulfate	329	5.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A
MW-204 06/30/05 13:59 004				
Barium	0.013 B	0.20	mg/L	SW846 6010B
Boron	0.099 B	0.20	mg/L	SW846 6010B
Calcium	60.2 J	5.0	mg/L	SW846 6010B
Potassium	5.8 J	5.0	mg/L	SW846 6010B
Magnesium	137	5.0	mg/L	SW846 6010B
Manganese	0.011 B,J	0.015	mg/L	SW846 6010B
Sodium	170	5.0	mg/L	SW846 6010B
Nickel	0.025 B	0.040	mg/L	SW846 6010B
Chloride	233	5.0	mg/L	MCAWW 300.0A
Sulfate	186	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.080 B	0.10	mg/L	MCAWW 300.0A
MW-205 06/30/05 13:50 005				
Barium	0.59	0.20	mg/L	SW846 6010B
Boron	0.40	0.20	mg/L	SW846 6010B
Calcium	153 J	5.0	mg/L	SW846 6010B
Iron	4.1	0.10	mg/L	SW846 6010B
Potassium	3.9 B,J	5.0	mg/L	SW846 6010B
Magnesium	108	5.0	mg/L	SW846 6010B
Manganese	0.018 J	0.015	mg/L	SW846 6010B
Sodium	98.8	5.0	mg/L	SW846 6010B
Nickel	0.0033 B	0.040	mg/L	SW846 6010B
Chloride	224	5.0	mg/L	MCAWW 300.0A
Sulfate	53.5	1.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5G010137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-204 DUPL 06/30/05 13:20 006				
Cobalt	0.0013 B	0.0070	mg/L	SW846 6010B
Aluminum	0.053 B	0.20	mg/L	SW846 6010B
Barium	0.015 B	0.20	mg/L	SW846 6010B
Boron	0.087 B	0.20	mg/L	SW846 6010B
Calcium	57.5 J	5.0	mg/L	SW846 6010B
Potassium	5.8 J	5.0	mg/L	SW846 6010B
Magnesium	136	5.0	mg/L	SW846 6010B
Manganese	0.021 J	0.015	mg/L	SW846 6010B
Sodium	176	5.0	mg/L	SW846 6010B
Nickel	0.027 B	0.040	mg/L	SW846 6010B
Chloride	210	5.0	mg/L	MCAWW 300.0A
Sulfate	165	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A
Acid-soluble sulfide	0.80	0.50	mg/L	SW846 9030B/9034
MW-203 06/30/05 15:32 007				
Barium	0.098 B	0.20	mg/L	SW846 6010B
Boron	0.23	0.20	mg/L	SW846 6010B
Calcium	29.4 J	5.0	mg/L	SW846 6010B
Iron	0.037 B	0.10	mg/L	SW846 6010B
Potassium	1.8 B,J	5.0	mg/L	SW846 6010B
Magnesium	45.3	5.0	mg/L	SW846 6010B
Manganese	0.00069	0.015	mg/L	SW846 6010B
	Qualifiers: B,J			
Sodium	29.4	5.0	mg/L	SW846 6010B
Chloride	3.0	1.0	mg/L	MCAWW 300.0A
Sulfate	49.5	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.25	0.10	mg/L	MCAWW 300.0A
Acid-soluble sulfide	0.48 B	0.50	mg/L	SW846 9030B/9034

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5G010137

PARAMETER	ANALYTICAL METHOD
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A5G010137

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HEQ4D	001	MW-208	06/30/05	17:15
HEQ4K	002	MW-207	06/30/05	09:45
HEQ4Q	003	MW-206	06/30/05	11:28
HEQ4T	004	MW-204	06/30/05	13:59
HEQ4X	005	MW-205	06/30/05	13:50
HEQ41	006	MW-204 DUPL	06/30/05	13:20
HEQ45	007	MW-203	06/30/05	15:32

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

16

TL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Natrix Environmental, Inc.	Carlos Serra	6/30/05	232123

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
357 N. Milwaukee Ave. Suite A	847-367-6835 - 6845		

City	State	Zip Code	Site Contact	Lab Contact
Libertyville	IL	60048	John Seymour	Dave

Project Name and Location (State)	Carrier/Waybill Number
Yeoman Creek, Waukegan, IL	Fed Ex

Contract/Purchase Order/Quote No.: Carlos Serra

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC	Metals	Cyanide	Phenolics	Special Instructions/ Conditions of Receipt
MW-208	6/30/05	5:15		X									X	X	X	X	
MW-207		9:45		X									X	X	X	X	
MW-206		11:28		X									X	X	X	X	
MW-204		13:59		X									X	X	X	X	
MW-205		13:50		X									X	X	X	X	
MW-204 Dup 1.		13:20		X									X	X	X	X	Duplicate Sample

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

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

Turn Around Time Required: [X] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [ ] Other _____

QC Requirements (Specify):

Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	6/30/05	6:40	[signature]	7/01/05	9:30 AM
Relinquished By	Date	Time	2. Received By	Date	Time
Relinquished By	Date	Time	3. Received By	Date	Time

Comments:

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

STL North Canton

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 1356603

Lot #: A5G010137

Case Number/SDG:

Storage Location: C75 S14 MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HEQ4D	MITEVD	7/01/05	Yes		Storage	
HEQ4K	MITEVD	7/01/05	Yes		Storage	
HEQ4Q	MITEVD	7/01/05	Yes		Storage	
HEQ4T	MITEVD	7/01/05	Yes		Storage	
HEQ4X	MITEVD	7/01/05	Yes		Storage	
HEQ41	MITEVD	7/01/05	Yes		Storage	
HEQ45	MITEVD	7/01/05	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** ASG0101 37
North Canton Facility

Client: Matrix Environmental Project: Yeoman Creek Quote#:
Cooler Received on: 7/01/05 Opened on: 7/01/05 by: (Signature)

Fedx [✓] Client Drop Off [ ] UPS [ ] DHL [ ] FAS [ ] Other:
STL Cooler No# 0105 Foam Box [ ] Client Cooler [ ] Other

1. Were custody seals on the outside of the cooler? Yes [ ] No [✓] Intact? Yes [ ] No [ ] NA [✓]
   If YES, Quantity
   Were the custody seals signed and dated? Yes [ ] No [ ] NA [✓]
2. Shipper's packing slip attached to this form? Yes [✓] No [ ] NA [ ]
3. Did custody papers accompany the samples? Yes [✓] No [ ] Relinquished by client? Yes [✓] No [ ]
4. Did you sign the custody papers in the appropriate place? Yes [✓] No [ ]
5. Packing material used: Bubble Wrap [✓] Foam [ ] None [ ] Other :
6. Cooler temperature upon receipt 1.9 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial [ ] Coolant & Sample [ ] Against Bottles [ ] IR [✓] ICE/H_2O Slurry [ ]
COOLANT: Wet Ice [✓] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]

7. Did all bottles arrive in good condition (Unbroken)? Yes [✓] No [ ]
8. Could all bottle labels and/or tags be reconciled with the COC? ~~Yes~~ No [✓]
9. Were samples at the correct pH? (record below/on back) Yes [✓] No [ ] NA [ ]
10. Were correct bottles used for the tests indicated? Yes [✓] No [ ]
11. Were air bubbles >6 mm in any VOA vials? Yes [ ] No [✓] NA [ ]
12. Sufficient quantity received to perform indicated analyses? Yes [✓] No [ ]

Contacted PM Date: by: via Voice Mail [ ] Verbal [ ] Other [ ]
Concerning:

√	

1. CHAIN OF CUSTODY

The following discrepancies occurred:
Received Sample MW-203 (1XL, 1X500, 1X250, 3X40) not on C.O.C.
Split off 250 ml. from 500 ml. for each sample for Sulfide test. Will preserve with Sodium Hydroxide – Zinc Acetate per DSH. Will use date & time from label for log-in (7/30/05 – 15:32)

2. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot # 051105-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -041305 ~NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*
Sample(s) were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials
MW-208	≤2 ≥12 ≥9	7/01/05	AM
MW-207	≤2 ≥12 ≥9		
MW-206	≤2 ≥12 ≥9		
MW-204	≤2 ≥12 ≥9		
MW-205	≤2 ≥12 ≥9		

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
MW-204 Dup	C2 7/2 7/9	7/9/05	AM
MW-203	C2 7/2 7/9	1	1

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G010137

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MW-208	107	92	95	91	00
02	MW-207	106	92	95	89	00
03	MW-206	105	93	96	92	00
04	MW-204	105	92	97	91	00
05	MW-205	110	93	96	89	00
06	MW-204 DUPL	107	95	94	92	00
07	MW-203	107	91	96	90	00
08	METHOD BLK. HE9121AA	103	90	97	90	00
09	LCS HE9121AC	103	89	98	103	00
10	LCSD HE9121AD	103	88	99	99	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G120000 WO #: HE9121AC
BATCH: 5193225

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	103	63 - 130	
Trichloroethene	10	12	118	75 - 122	
Benzene	10	9.9	99	80 - 116	
Toluene	10	9.5	95	74 - 119	
Chlorobenzene	10	9.8	98	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G120000 WO #: HE9121AD
BATCH: 5193225

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	100	63 - 130	
Trichloroethene	10	11	108	75 - 122	
Benzene	10	9.7	97	80 - 116	
Toluene	10	9.5	95	74 - 119	
Chlorobenzene	10	9.8	98	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: HE9121AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXX9734.D

Lot Number: A5G010137

Date Analyzed: 07/11/05

Time Analyzed: 23:43

Matrix: WATER

Date Extracted:07/11/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX10

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-208	HEQ4D1AA	UXX9747.D	07/12/05	05:06
02	MW-207	HEQ4K1AL	UXX9748.D	07/12/05	05:31
03	MW-206	HEQ4Q1AL	UXX9749.D	07/12/05	05:56
04	MW-204	HEQ4T1AL	UXX9750.D	07/12/05	06:20
05	MW-205	HEQ4X1AL	UXX9751.D	07/12/05	06:45
06	MW-204 DUPL	HEQ411AL	UXX9752.D	07/12/05	07:10
07	MW-203	HEQ451AL	UXX9753.D	07/12/05	07:35
08	CHECK SAMPLE	HE9121AC C	UXX9732.D	07/11/05	22:54
09	DUPLICATE CHECK	HE9121AD L	UXX9733.D	07/11/05	23:18
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G010137

Lab File ID: BFB1701 BFB Injection Date: 06/22/05

Instrument ID: A3UX10 BFB Injection Time: 1623

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	80.8
175	5.0 - 9.0% of mass 174	6.0 (7.4)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.5 (99.6)1
177	5.0 - 9.0% of mass 176	5.2 (6.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG-IC	UXX9118	06/22/05	1639
02	VSTD020	100NG-IC	UXX9119	06/22/05	1704
03	VSTD010	50NG-IC	UXX9120	06/22/05	1729
04	VSTD005	25NG-IC	UXX9121	06/22/05	1754
05	VSTD002	10NG-IC	UXX9122	06/22/05	1818
06	VSTD001	5NG-IC	UXX9123	06/22/05	1843
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G010137

Lab File ID: BFB1724 BFB Injection Date: 07/11/05

Instrument ID: A3UX10 BFB Injection Time: 2204

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	48.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	50.0 - 100.0% of mass 95	91.8
175	5.0 - 9.0% of mass 174	6.5 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	89.4 (97.4)1
177	5.0 - 9.0% of mass 176	6.3 (7.1)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXX9731	07/11/05	2229
02	HE912-CHK	HE9121AC	UXX9732	07/11/05	2254
03	HE912-CKDUP	HE9121AD	UXX9733	07/11/05	2318
04	HE912-BLK	HE9121AA	UXX9734	07/11/05	2343
05	MW-208	HEQ4D1AA	UXX9747	07/12/05	0506
06	MW-207	HEQ4K1AL	UXX9748	07/12/05	0531
07	MW-206	HEQ4Q1AL	UXX9749	07/12/05	0556
08	MW-204	HEQ4T1AL	UXX9750	07/12/05	0620
09	MW-205	HEQ4X1AL	UXX9751	07/12/05	0645
10	MW-204 DUPL	HEQ411AL	UXX9752	07/12/05	0710
11	MW-203	HEQ451AL	UXX9753	07/12/05	0735
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5G010137

Lab File ID (Standard): UXX9731 Date Analyzed: 07/11/05

Instrument ID: A3UX10 Time Analyzed: 2229

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(CBZ) AREA #	RT	IS2 AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	738781	7.65	957975	4.99	435234	9.88
	UPPER LIMIT	1477562	8.15	1915950	5.49	870468	10.38
	LOWER LIMIT	369391	7.15	478988	4.49	217617	9.38
	EPA SAMPLE NO.						
01	HE912-CHK	750119	7.64	965638	4.99	410958	9.88
02	HE912-CKDUP	747382	7.65	970177	4.99	410908	9.88
03	HE912-BLK	723393	7.64	933477	4.99	379815	9.88
04	MW-208	704840	7.65	900945	4.99	365142	9.88
05	MW-207	697765	7.65	900567	4.99	361223	9.88
06	MW-206	703788	7.64	897575	4.99	364456	9.88
07	MW-204	682975	7.65	907897	4.99	360468	9.88
08	MW-205	688018	7.65	872266	4.99	355801	9.88
09	MW-204 DUPL	694331	7.65	880321	4.99	352694	9.88
10	MW-203	693582	7.65	884054	4.99	350328	9.88
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

SAMPLE DATA

Matrix Environmental, Inc.

Client Sample ID: MW-208

GC/MS Volatiles

Lot-Sample #...: A5G010137-001 **Work Order #...:** HEQ4D1AA **Matrix.....:** WG
Date Sampled...: 06/30/05 17:15 **Date Received..:** 07/01/05
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	**0.84 J**	**1.0**	**ug/L**	**0.22**
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	**6.8**	**1.0**	**ug/L**	**0.20**
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	**0.46 J**	**1.0**	**ug/L**	**0.22**
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	**1.7**	**1.0**	**ug/L**	**0.35**
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	**0.34 J**	**1.0**	**ug/L**	**0.21**
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9747.D
Report Date: 12-Jul-2005 13:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9747.D
Lab Smp Id: HEQ4D1AA Client Smp ID: MW-208
Inj Date : 12-JUL-2005 05:06
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEQ4D1AA,5ML/5ML
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 46
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.990	4.990	(1.000)	900945	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	704840	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	365142	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	184434	53.3272	10.665
$ 5 1,2-Dichloroethane-d4	65	4.706	4.706	(0.943)	212385	46.1899	9.238
$ 6 Toluene-d8	98	6.339	6.339	(0.828)	720004	47.4696	9.494
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.144)	257980	45.3772	9.075
8 Dichlorodifluoromethane	85	1.487	1.487	(0.298)	47327	17.8996	3.580
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.712	1.700	(0.343)	7376	1.70146	0.3403
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9747.D
Report Date: 12-Jul-2005 13:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96				34300	8.55995	1.712
	32 cis-1,2-dichloroethene	96	4.055	4.055	(0.813)	34300	8.55995	1.712
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.777	4.777	(0.957)	65844	4.17586	0.8352
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	7.676	7.676	(1.003)	403835	33.9074	6.781
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

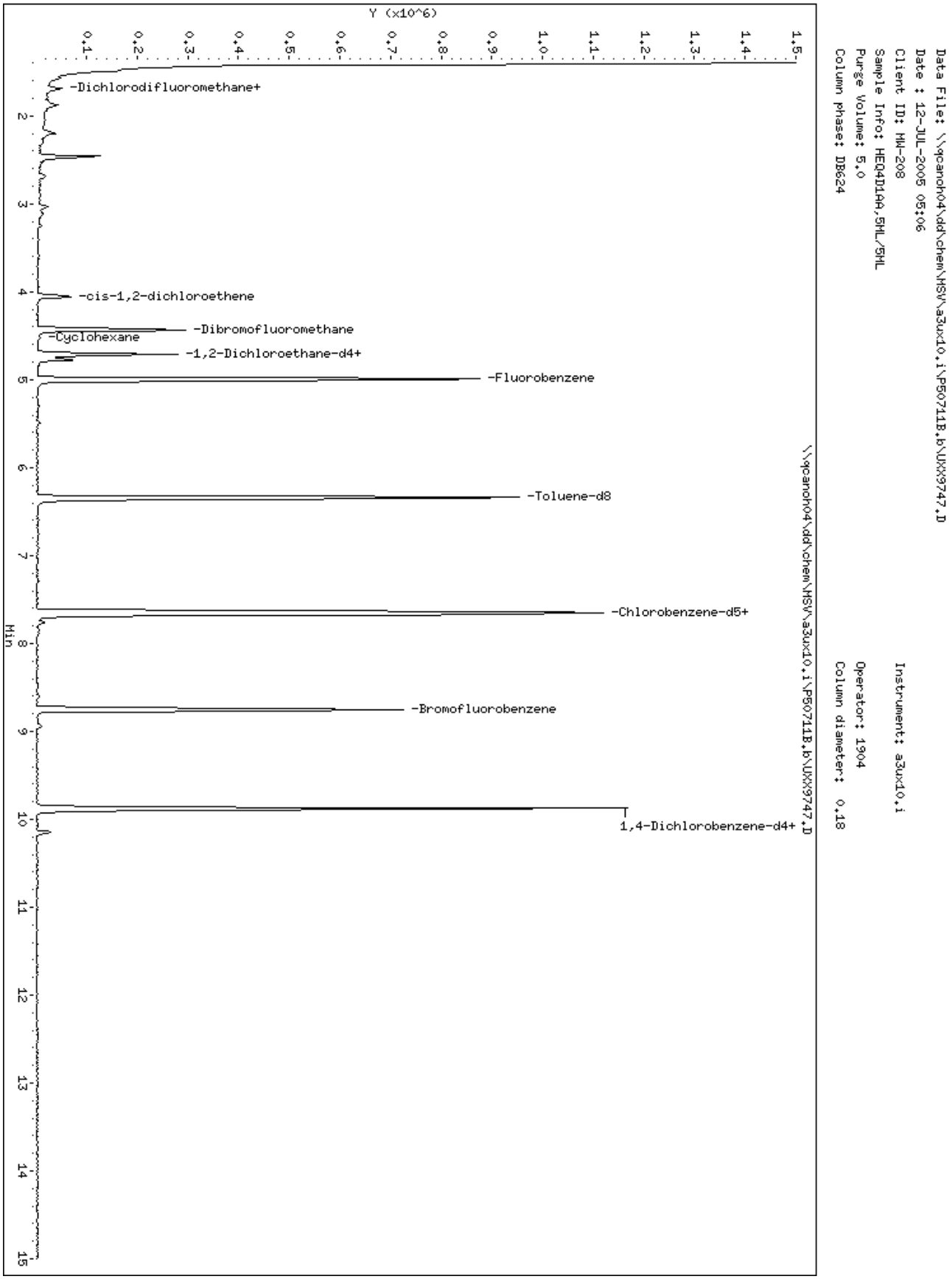
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9747.D
Report Date: 12-Jul-2005 13:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	23681	2.31526	0.4630
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.540	4.528	(0.910)	3302	0.60799	0.1216(a)
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).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Date : 12-JUL-2005 05:06
Client ID: MW-208
Sample Info: HEQ4D1AA,5ML/5ML
Purge Volume: 5.0
Column Phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Dichlorodifluoromethane+
-cis-1,2-dichloroethene
-Dibromofluoromethane
-Cyclohexane
-1,2-Dichloroethane-d4+
-Fluorobenzene
-Toluene-d8
-Chlorobenzene-d5+
-Bromofluorobenzene
1,4-Dichlorobenzene-d4+
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9747.D
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9747.D

Date : 12-JUL-2005 05:06

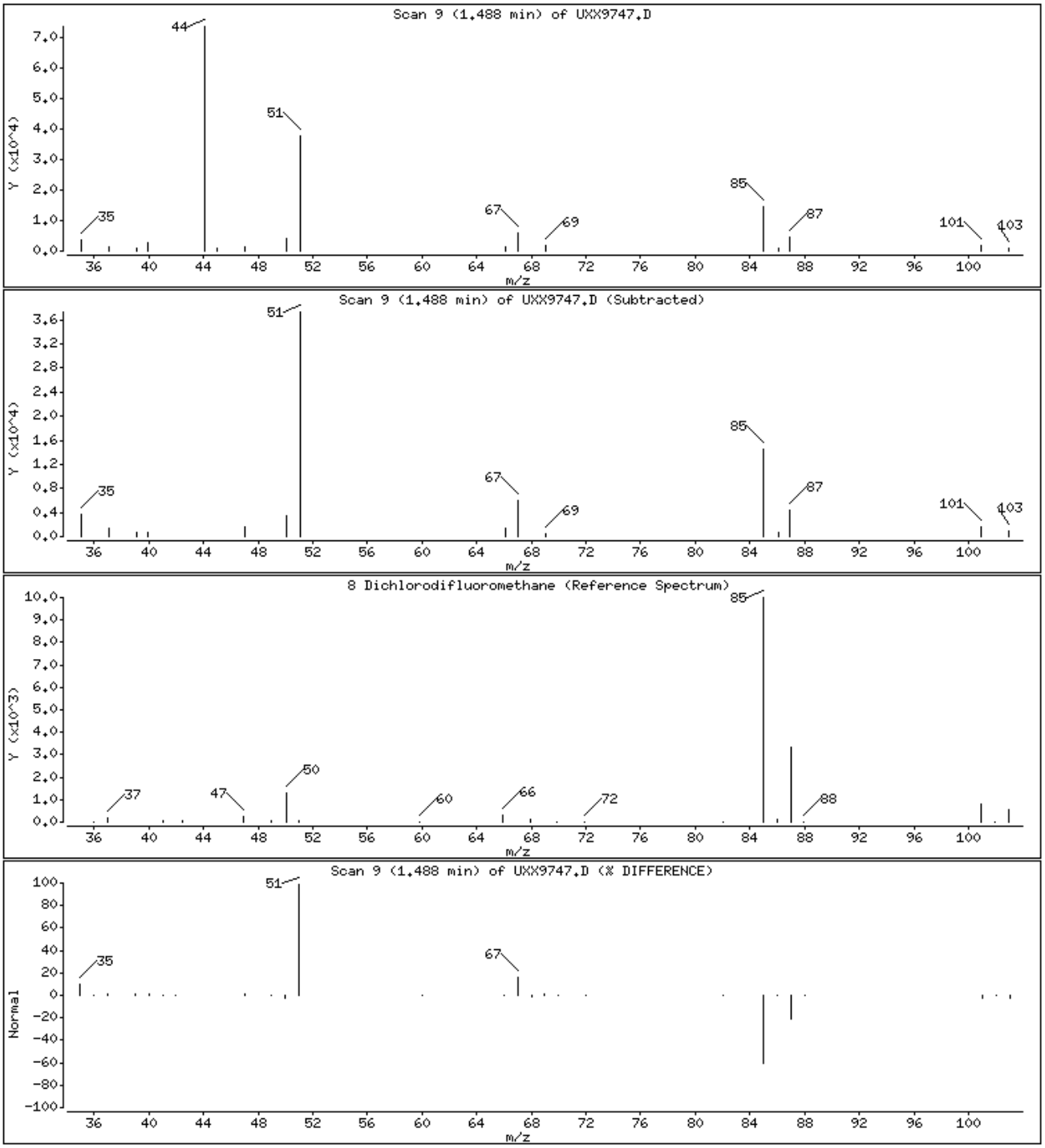
Client ID: MW-208 Instrument: a3ux10.i

Sample Info: HEQ4D1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

8 Dichlorodifluoromethane Concentration: 3.580 ug/L



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Date : 12-JUL-2005 05:06

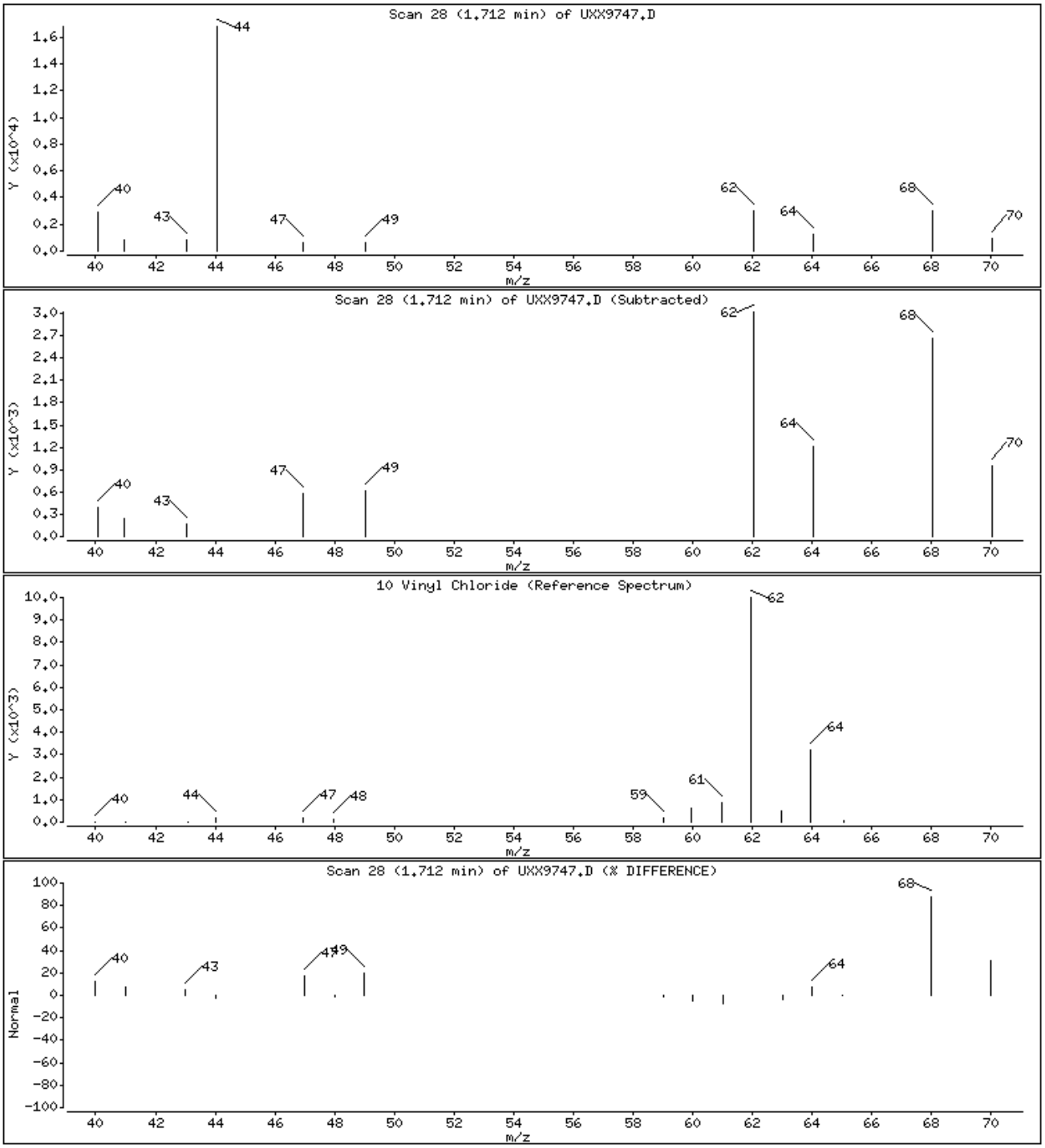
Client ID: MW-208 Instrument: a3ux10.i

Sample Info: HEQ4D1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 0.3403 ug/L



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Date : 12-JUL-2005 05:06

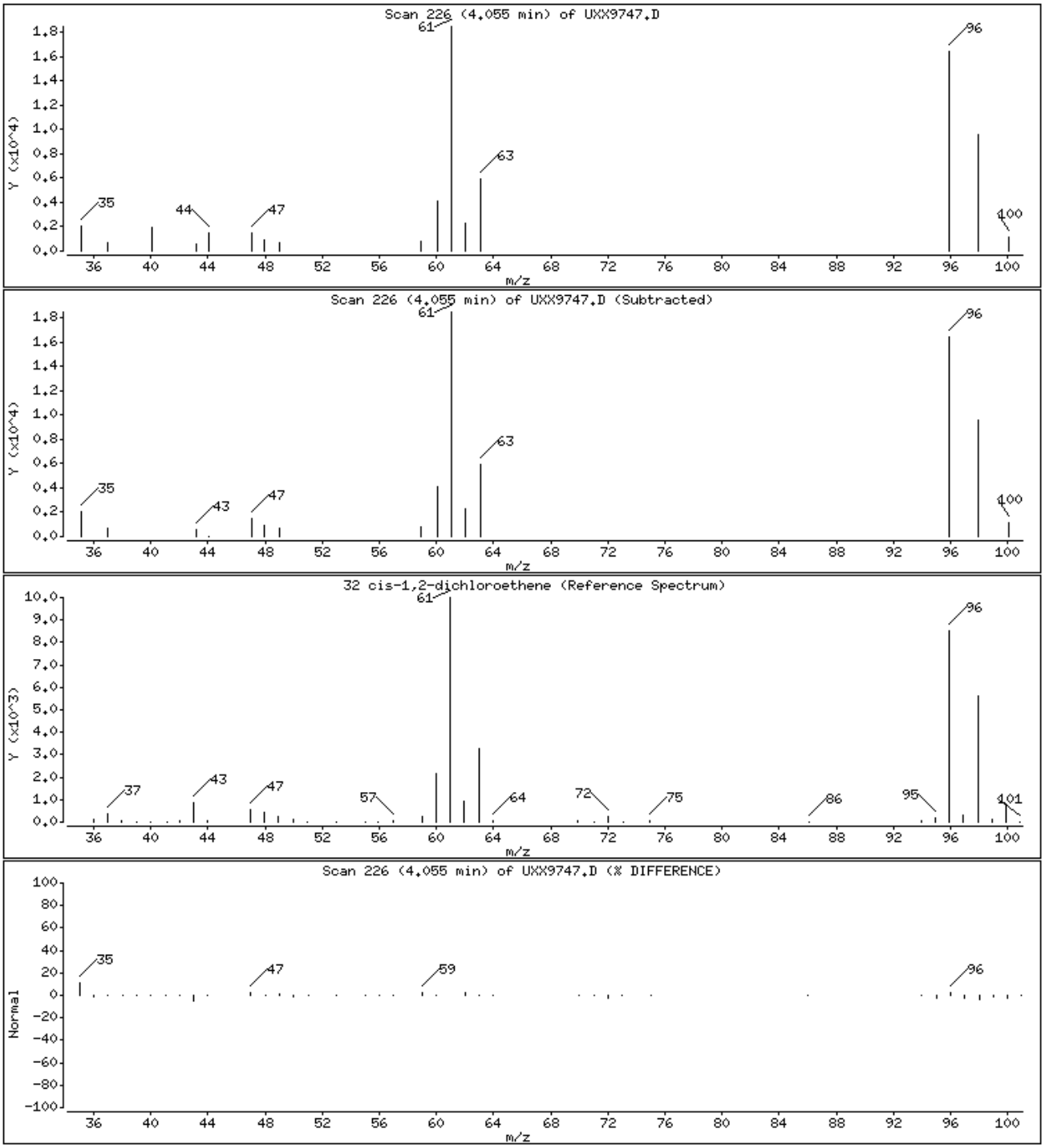
Client ID: MW-208 Instrument: a3ux10.i

Sample Info: HEQ4D1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 1.712 ug/L



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Date : 12-JUL-2005 05:06

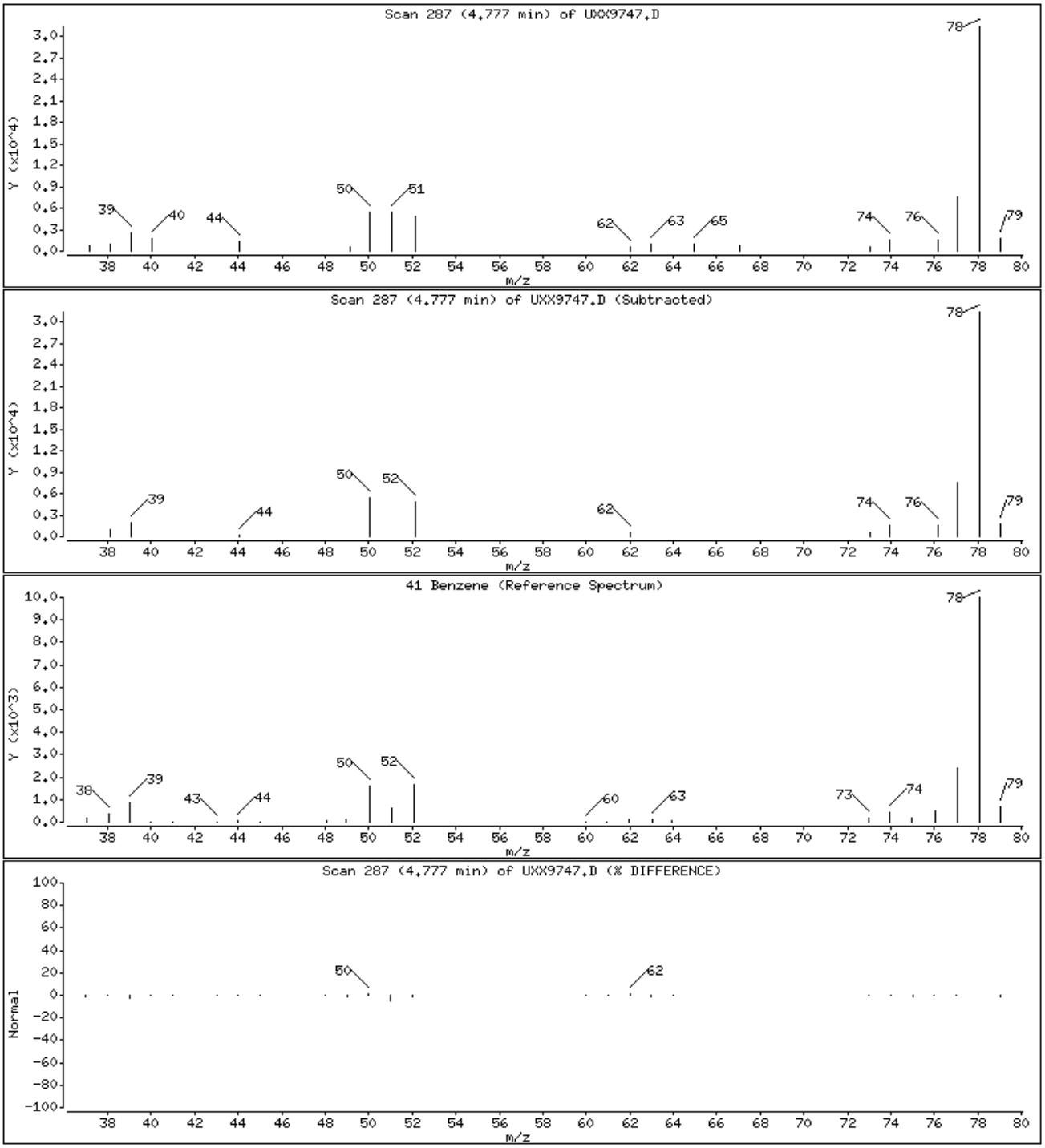
Client ID: MW-208 Instrument: a3ux10.i

Sample Info: HEQ4D1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 0.8352 ug/L



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Date : 12-JUL-2005 05:06

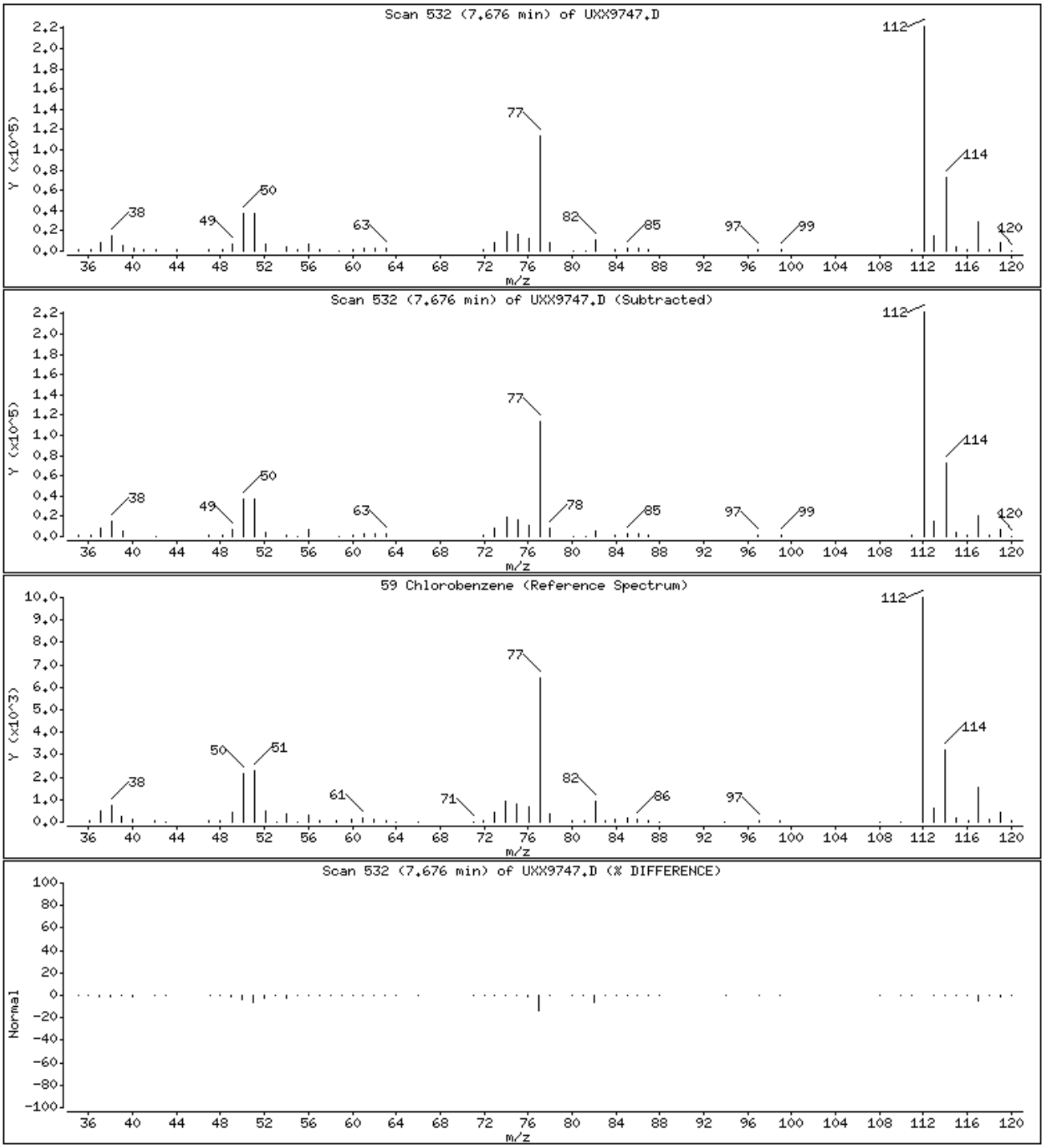
Client ID: MW-208 Instrument: a3ux10.i

Sample Info: HEQ4D1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

59 Chlorobenzene Concentration: 6.781 ug/L



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Date : 12-JUL-2005 05:06

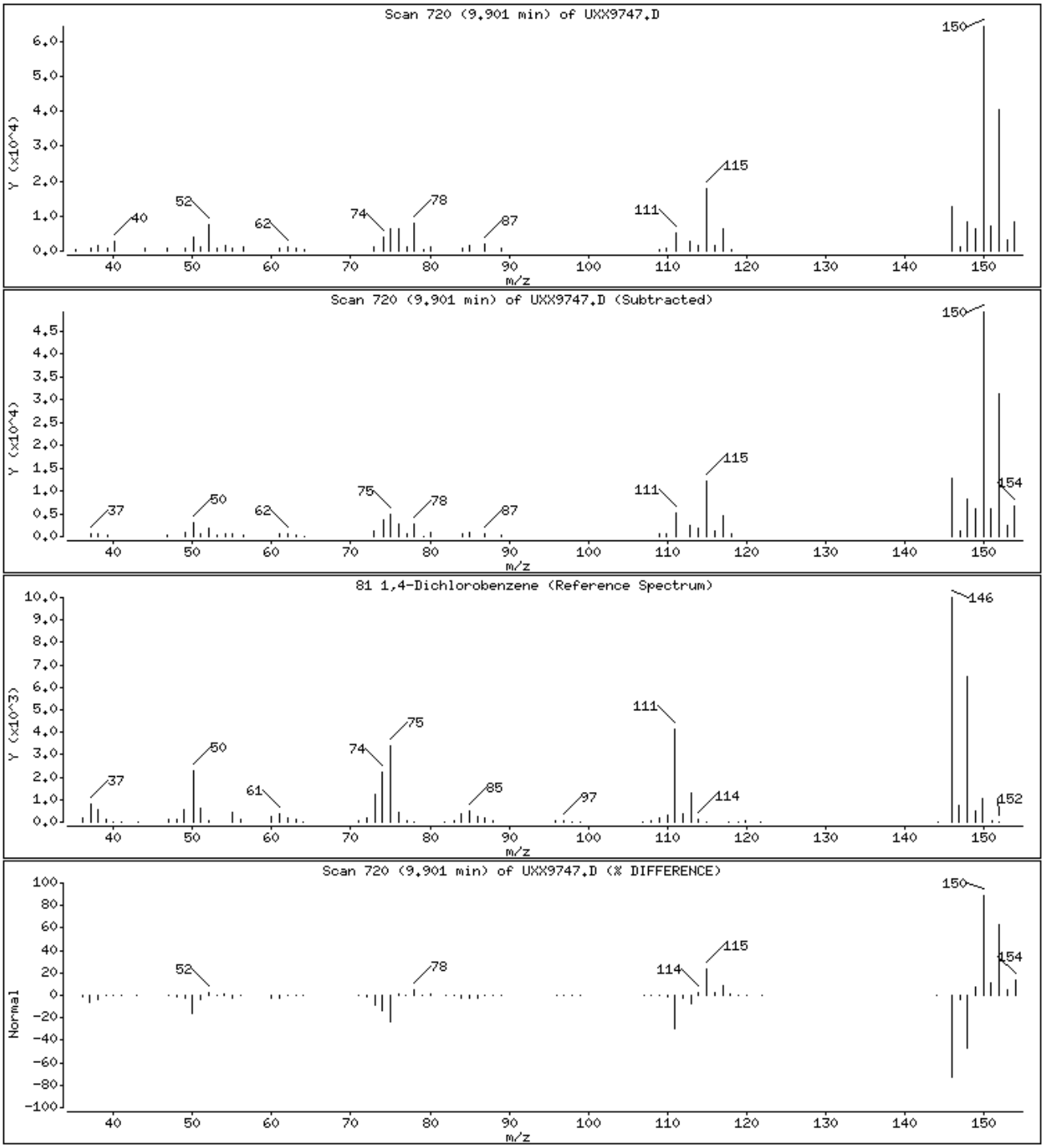
Client ID: MW-208 Instrument: a3ux10.i

Sample Info: HEQ4D1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

81 1,4-Dichlorobenzene Concentration: 0.4630 ug/L



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Date : 12-JUL-2005 05:06

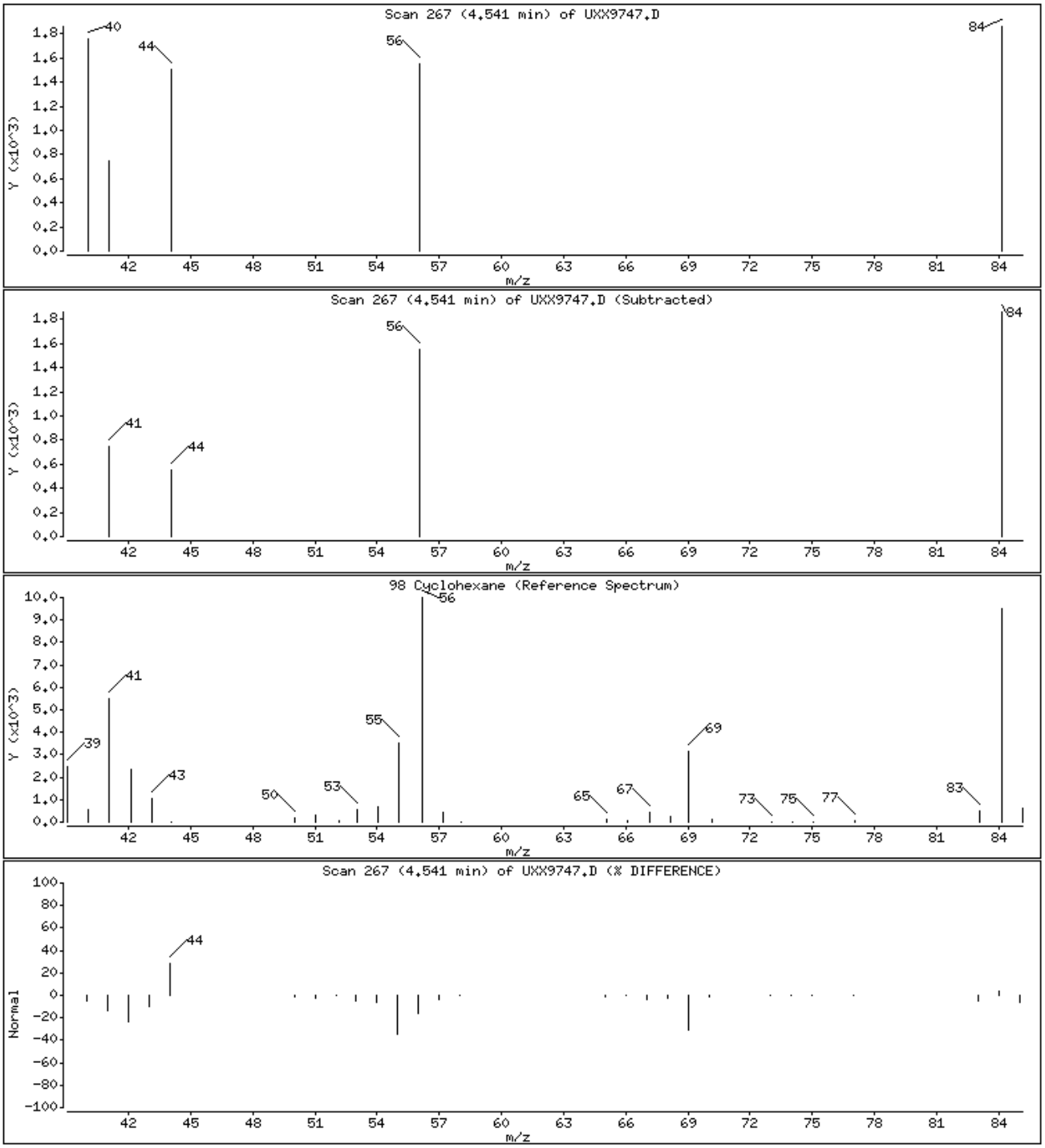
Client ID: MW-208 Instrument: a3ux10.i

Sample Info: HEQ4D1AA,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

98 Cyclohexane Concentration: 0.1216 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-207

GC/MS Volatiles

Lot-Sample #...: A5G010137-002 **Work Order #...:** HEQ4K1AL **Matrix.....:** WG
Date Sampled...: 06/30/05 09:45 **Date Received..:** 07/01/05
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	95	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9748.D
Report Date: 12-Jul-2005 13:57

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9748.D
Lab Smp Id: HEQ4K1AL Client Smp ID: MW-207
Inj Date : 12-JUL-2005 05:31
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEQ4K1AL,5ML/5ML
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.991	4.990	(1.000)	900567	50.0000	
* 2 Chlorobenzene-d5	117	7.653	7.652	(1.000)	697765	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	361223	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	182620	52.8249	10.565
$ 5 1,2-Dichloroethane-d4	65	4.707	4.706	(0.943)	210510	45.8013	9.160
$ 6 Toluene-d8	98	6.339	6.339	(0.828)	715954	47.6812	9.536
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.144)	251109	44.6155	8.923
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9748.D
Report Date: 12-Jul-2005 13:57

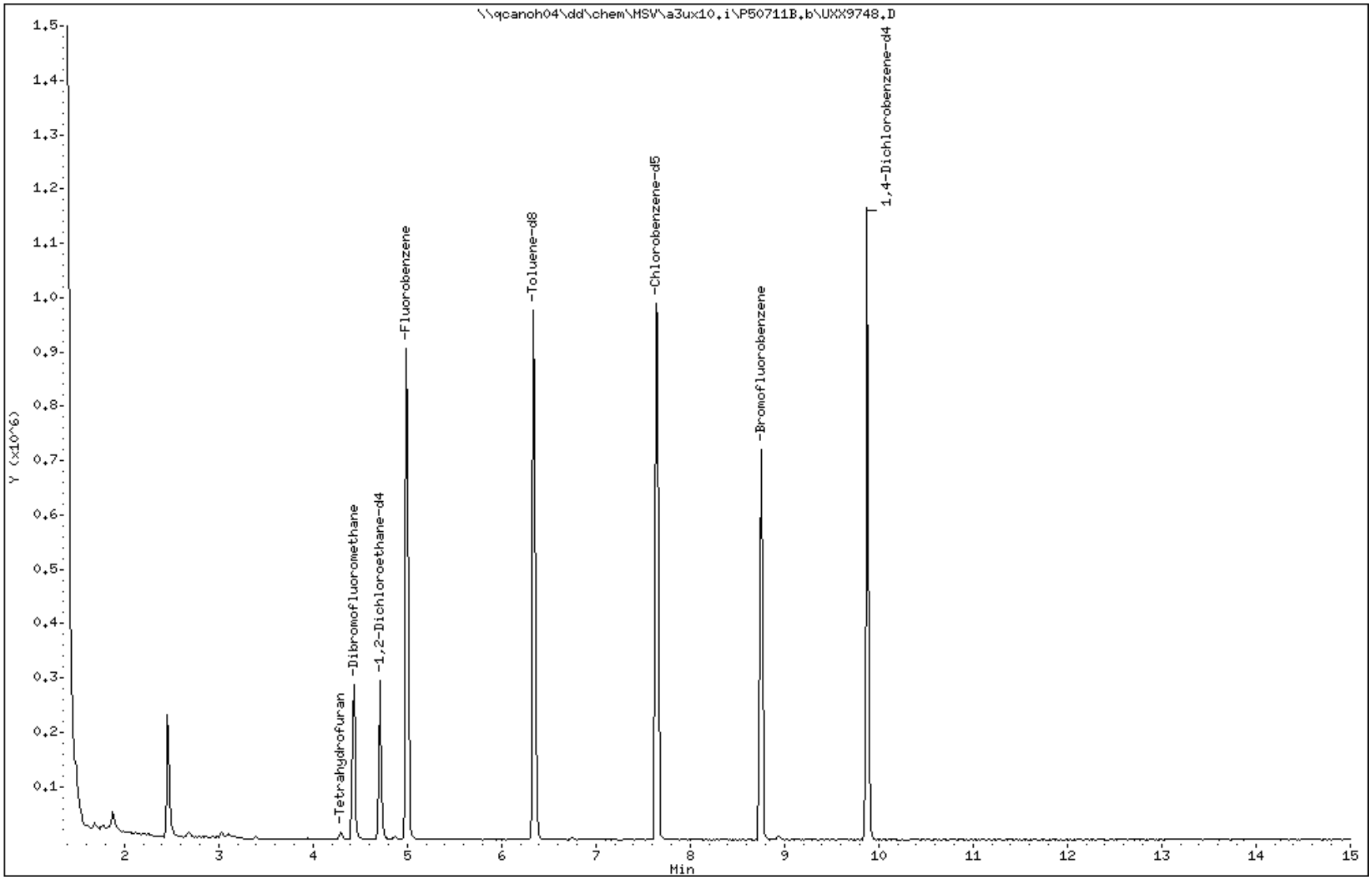
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.292	4.291	(0.860)	7502	5.62306	1.125
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9748.D
Report Date: 12-Jul-2005 13:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9748.D
Date : 12-JUL-2005 05:31
Client ID: MW-207 Instrument: a3ux10.i
Sample Info: HEQ4K1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1904
Column phase: DB624 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9748.D

Date : 12-JUL-2005 05:31

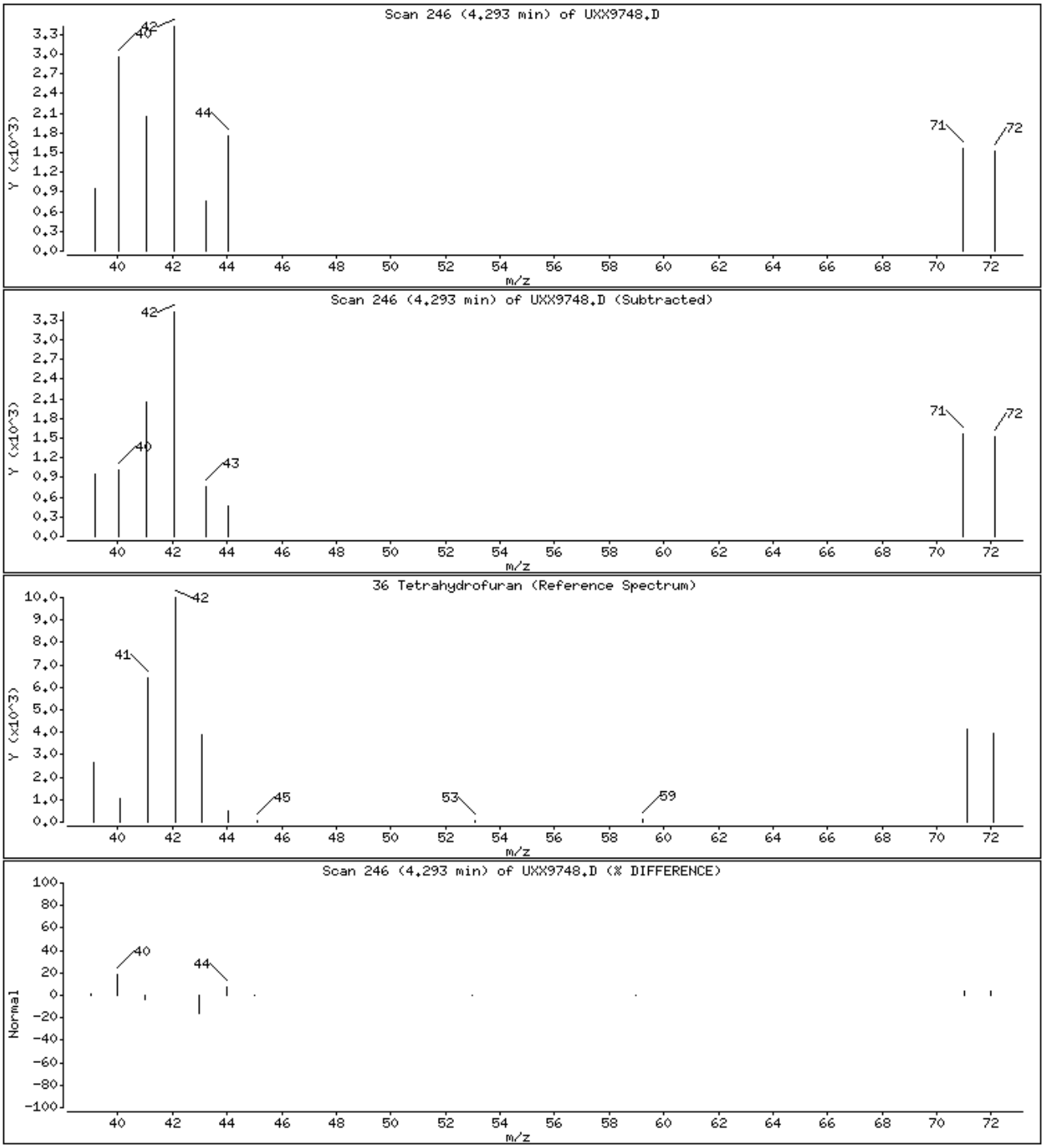
Client ID: MW-207 Instrument: a3ux10.i

Sample Info: HEQ4K1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.125 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-206

GC/MS Volatiles

Lot-Sample #...: A5G010137-003 **Work Order #...:** HEQ4Q1AL **Matrix.....:** WG
Date Sampled...: 06/30/05 11:28 **Date Received..:** 07/01/05
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**1.2 J**	**10**	**ug/L**	**0.74**
Benzene	**1.0**	**1.0**	**ug/L**	**0.22**
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	**0.42 J**	**10**	**ug/L**	**0.39**
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	**0.43 J**	**1.0**	**ug/L**	**0.35**
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	**0.30 J**	**1.0**	**ug/L**	**0.21**
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D
Report Date: 12-Jul-2005 13:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D
Lab Smp Id: HEQ4Q1AL Client Smp ID: MW-206
Inj Date : 12-JUL-2005 05:56
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEQ4Q1AL,5ML/5ML
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 48
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.992	4.990	(1.000)	897575	50.0000	
* 2 Chlorobenzene-d5	117	7.643	7.652	(1.000)	703788	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.879	9.877	(1.000)	364456	50.0000	
$ 4 Dibromofluoromethane	113	4.436	4.433	(0.889)	180916	52.5065	10.501
$ 5 1,2-Dichloroethane-d4	65	4.708	4.706	(0.943)	213864	46.6862	9.337
$ 6 Toluene-d8	98	6.341	6.339	(0.830)	726368	47.9608	9.592
$ 7 Bromofluorobenzene	95	8.755	8.752	(1.146)	261031	45.9833	9.197
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	1.703	1.700	(0.341)	6548	1.51613	0.3032
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.685	2.682	(0.538)	49733	6.02988	1.206
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

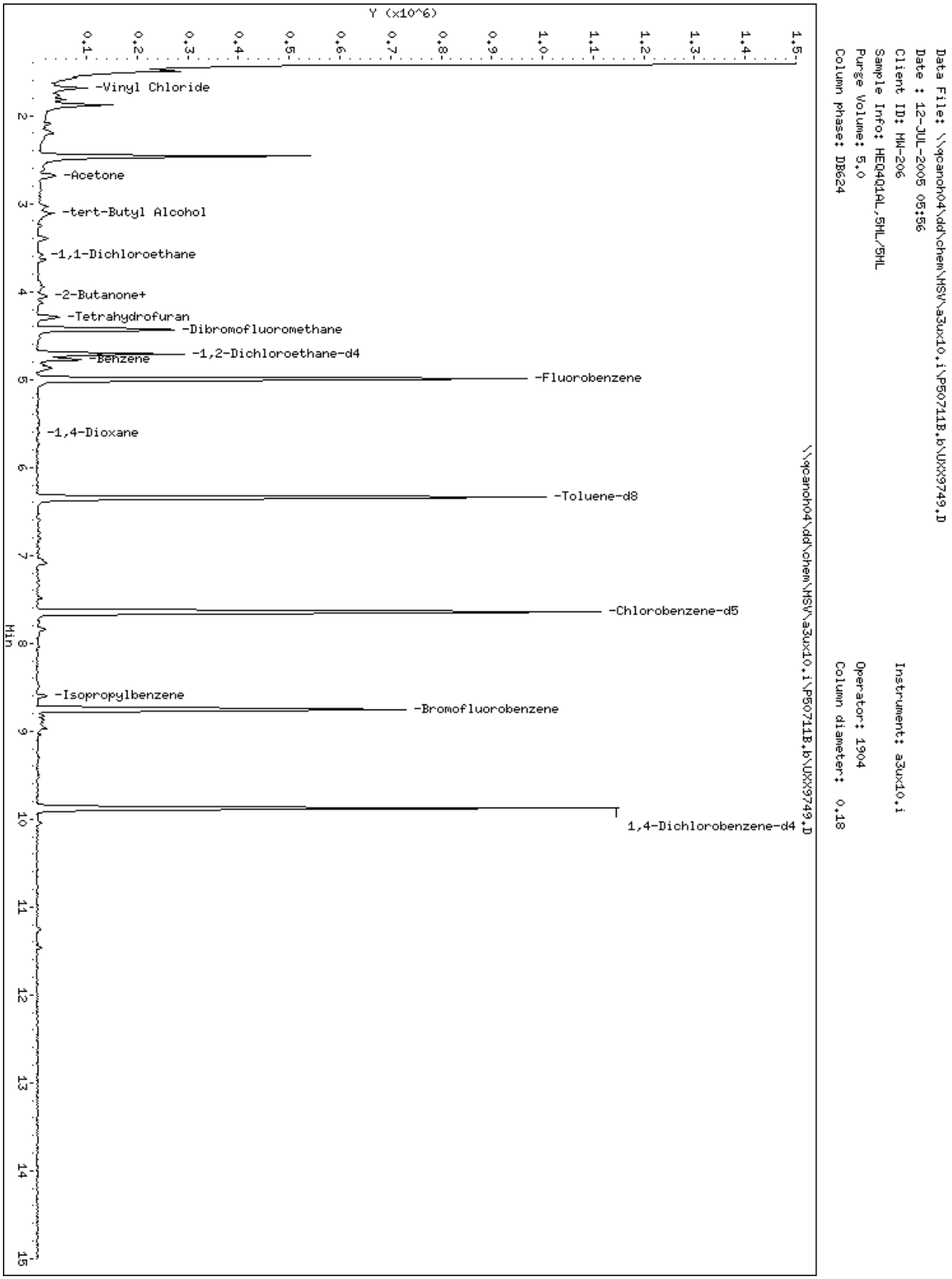
Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D
Report Date: 12-Jul-2005 13:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	3.584	3.582	(0.718)	10085	1.45503	0.2910
	29 tert-Butyl Alcohol	59	3.111	3.108	(0.623)	35051	74.7282	14.946
	30 2-Butanone	43	4.046	4.055	(0.810)	5734	2.09695	0.4194
M	31 1,2-Dichloroethene (total)	96				8590	2.15178	0.4304
	32 cis-1,2-dichloroethene	96	4.046	4.055	(0.810)	8590	2.15178	0.4304
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.294	4.291	(0.860)	31783	23.9021	4.780
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	4.768	4.777	(0.955)	79801	5.08002	1.016
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.608	5.605	(1.123)	4881	126.743	25.349
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	8.601	8.610	(1.125)	16232	0.91883	0.1838
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D
Report Date: 12-Jul-2005 13:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D
Date : 12-JUL-2005 05:56
Client ID: MW-206
Sample Info: HEQ401AL,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
-Vinyl Chloride
-Acetone
-tert-Butyl Alcohol
-1,1-Dichloroethane
-2-Butanone+
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Benzene
-Fluorobenzene
-1,4-Dioxane
-Toluene-d8
-Chlorobenzene-d5
-Isopropylbenzene
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

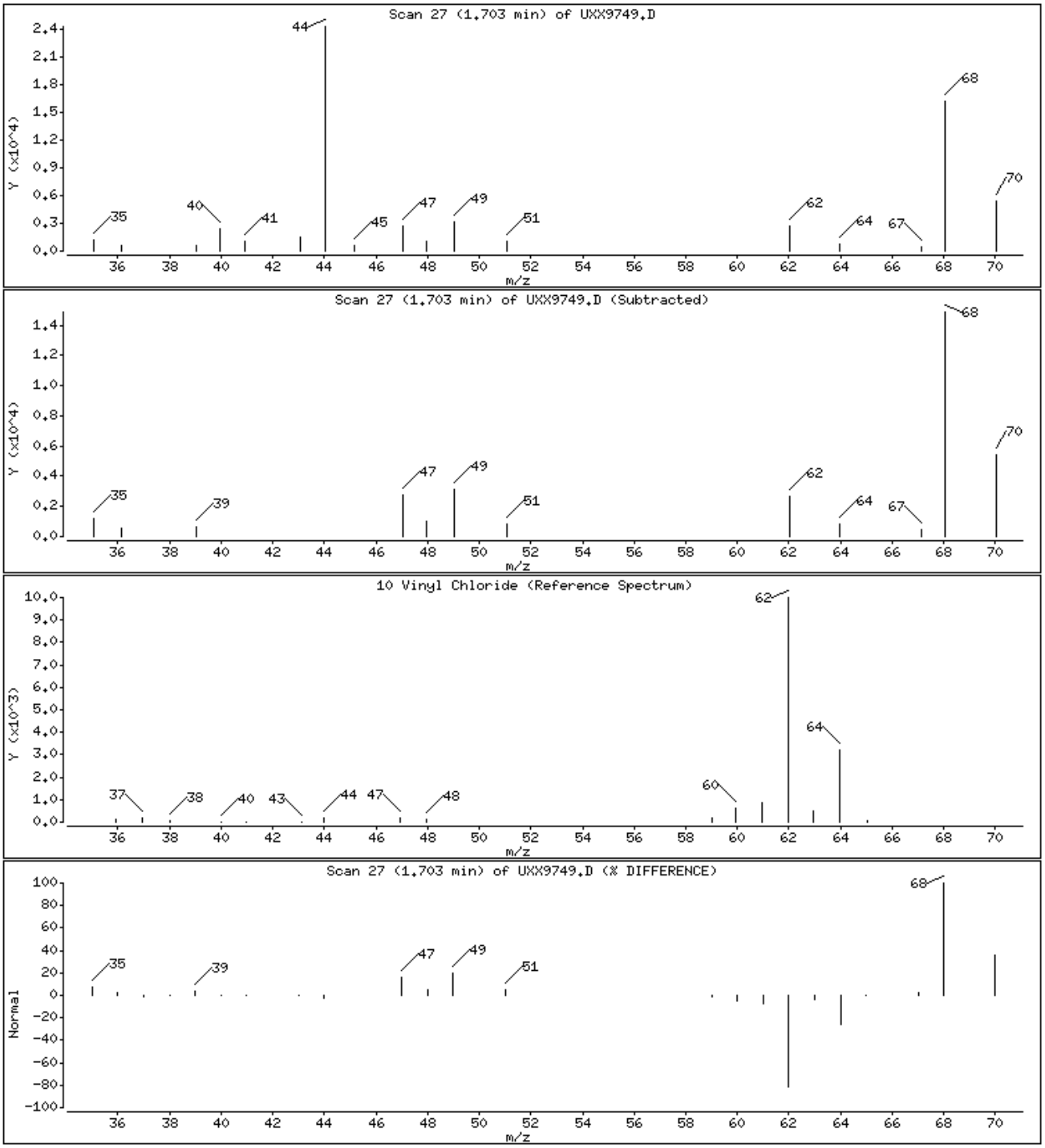
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

10 Vinyl Chloride Concentration: 0.3032 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

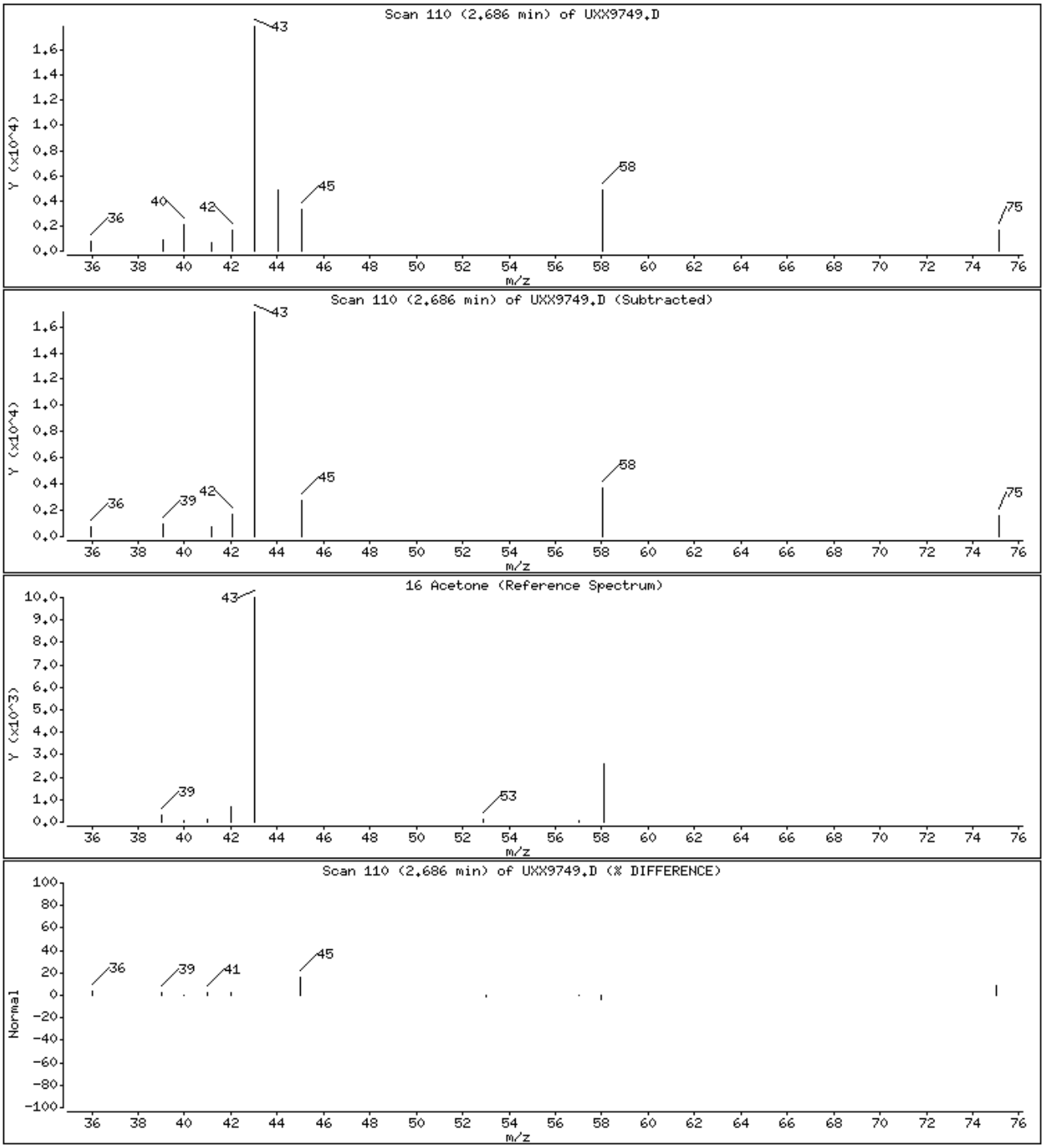
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.206 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

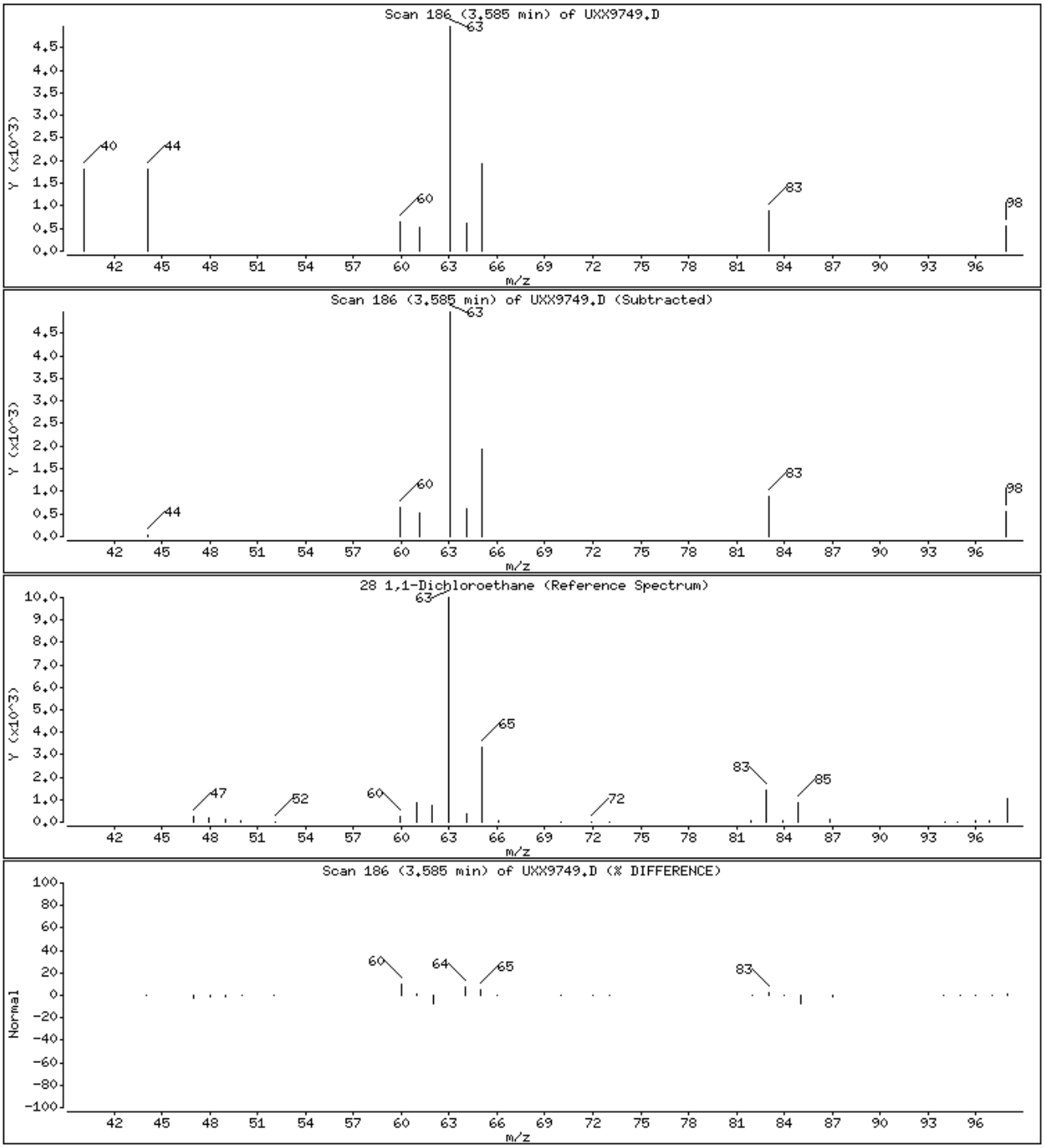
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

28 1,1-Dichloroethane Concentration: 0.2910 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

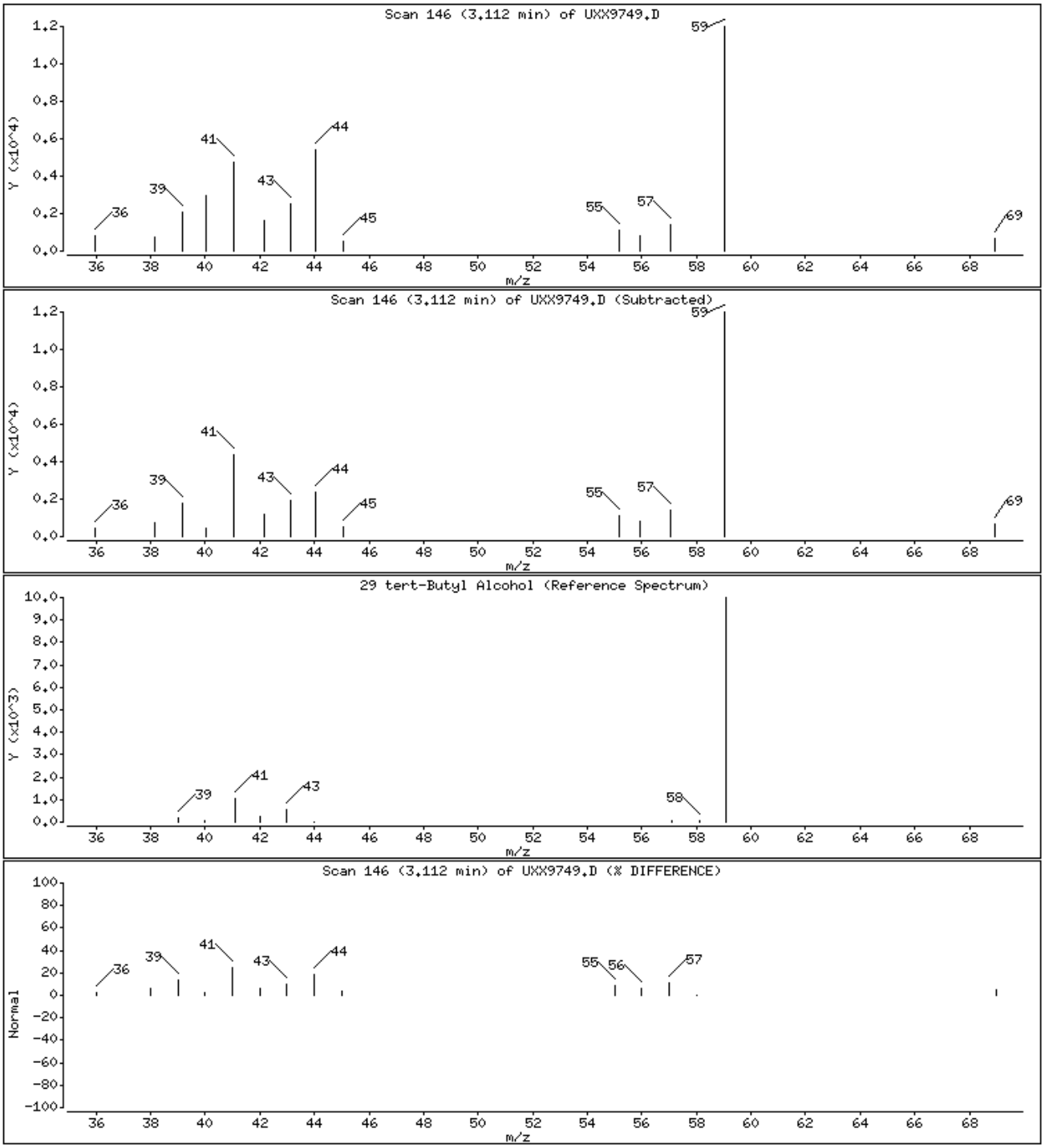
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

29 tert-Butyl Alcohol Concentration: 14.946 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

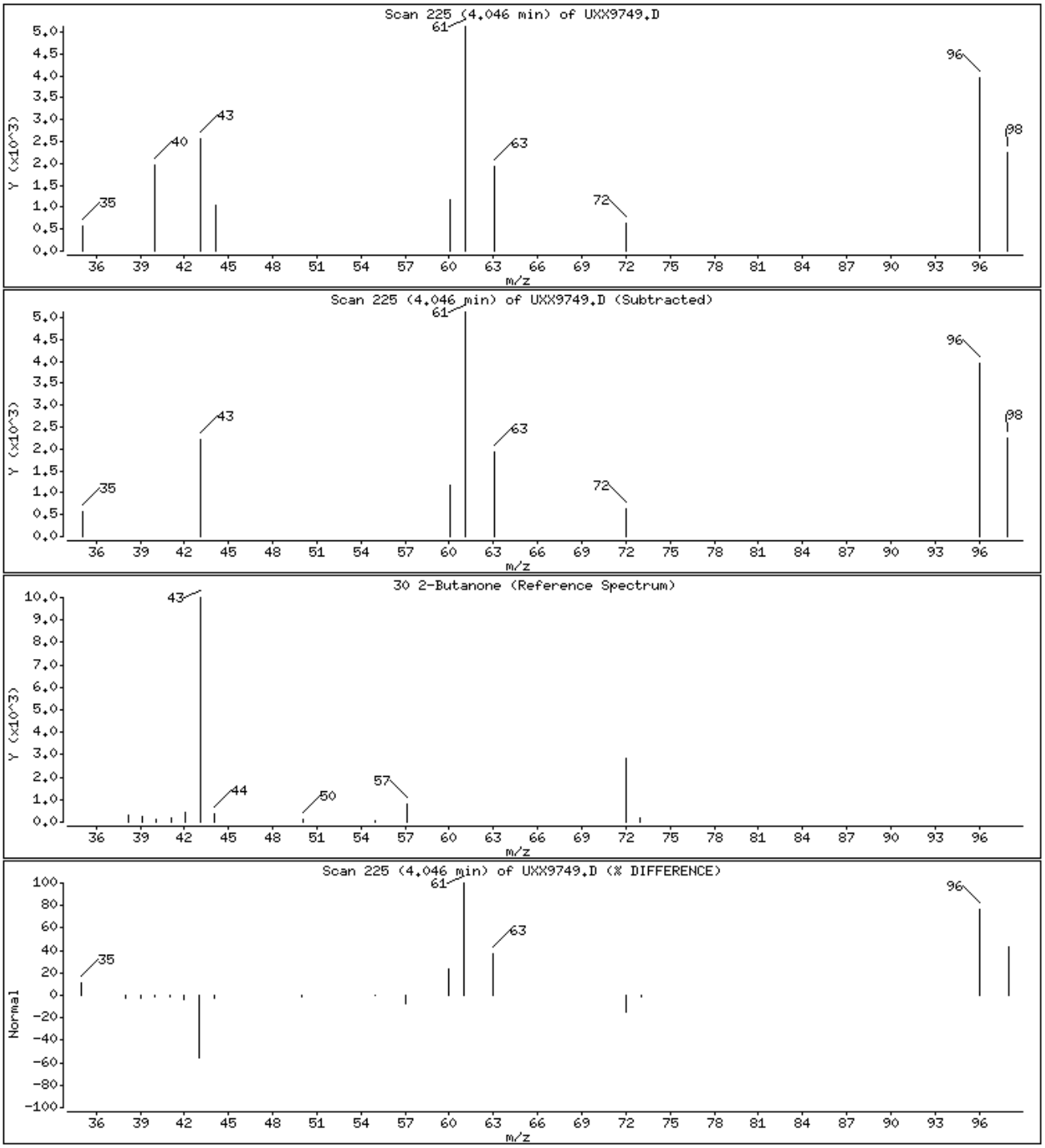
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

30 2-Butanone Concentration: 0.4194 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

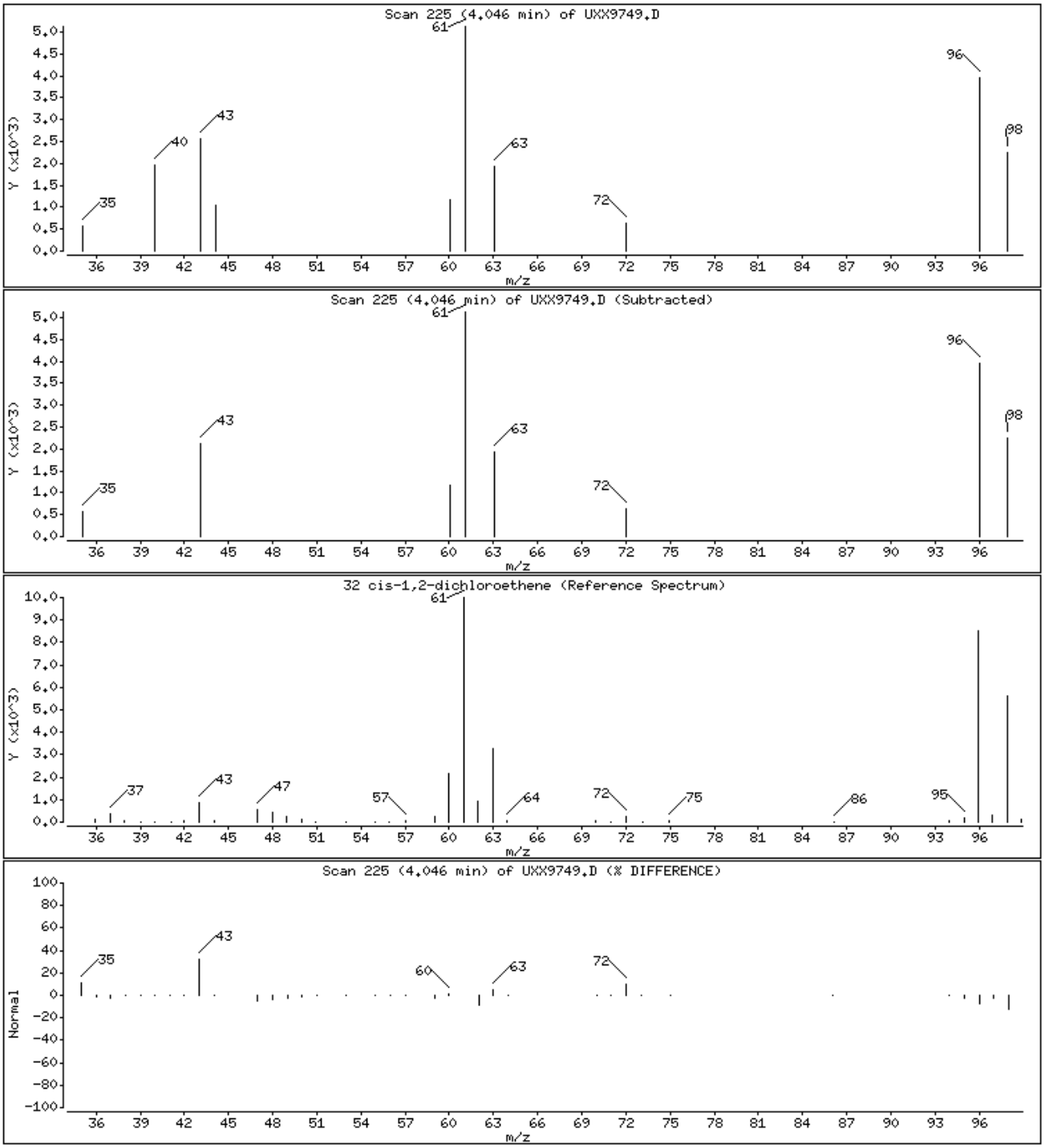
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

32 cis-1,2-dichloroethene Concentration: 0.4304 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

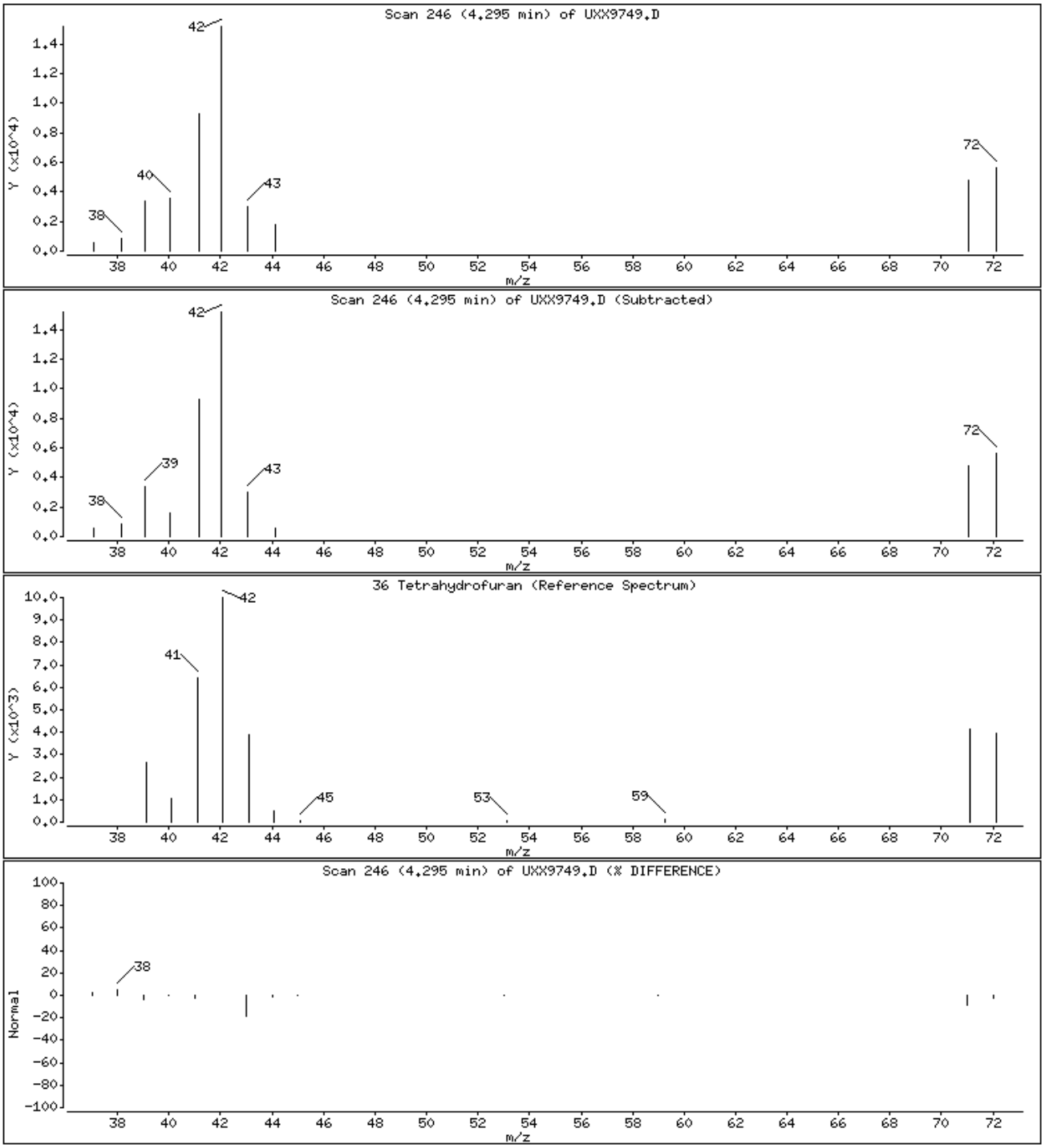
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 4.780 ug/L



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Date : 12-JUL-2005 05:56

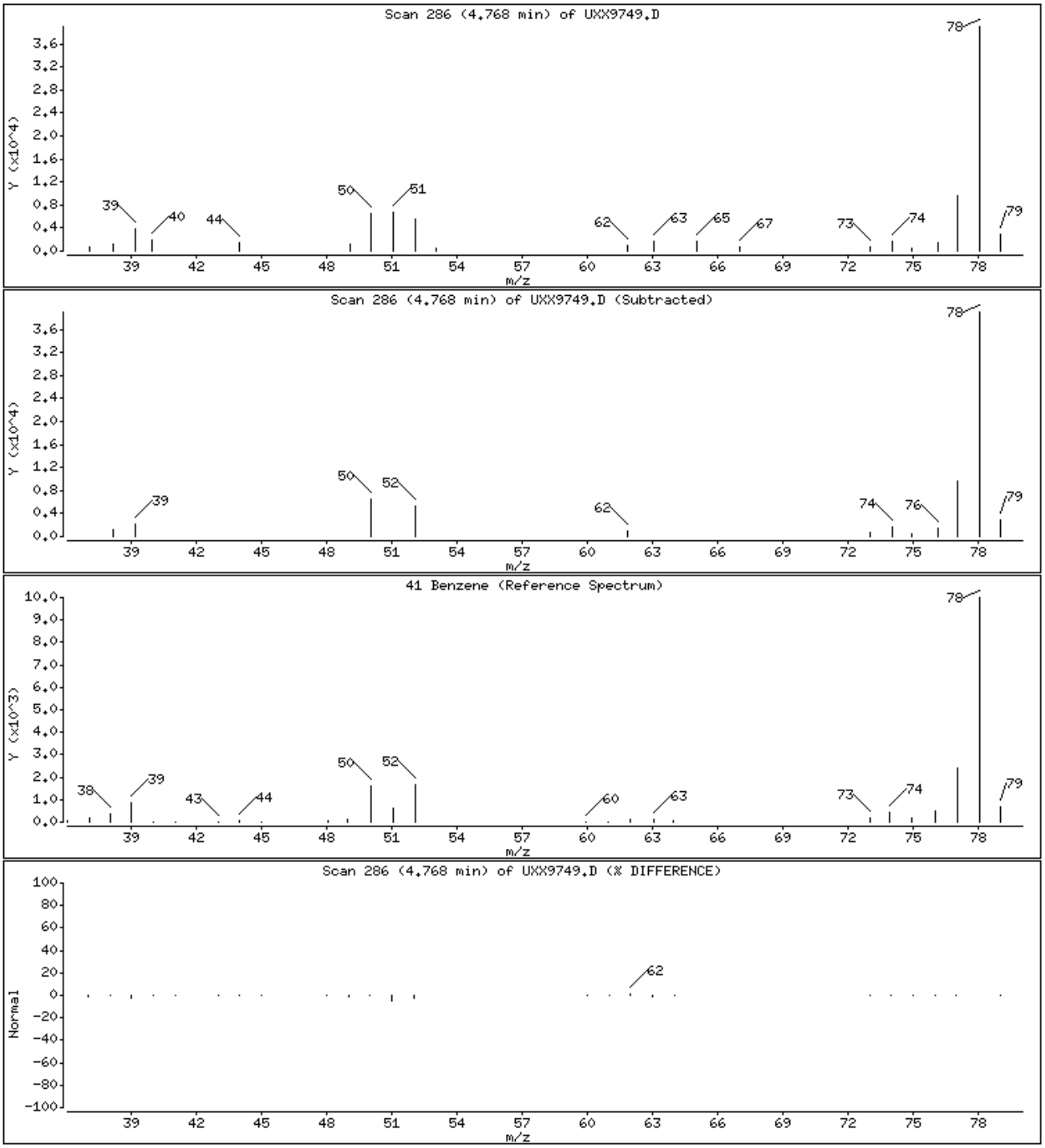
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

41 Benzene Concentration: 1.016 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

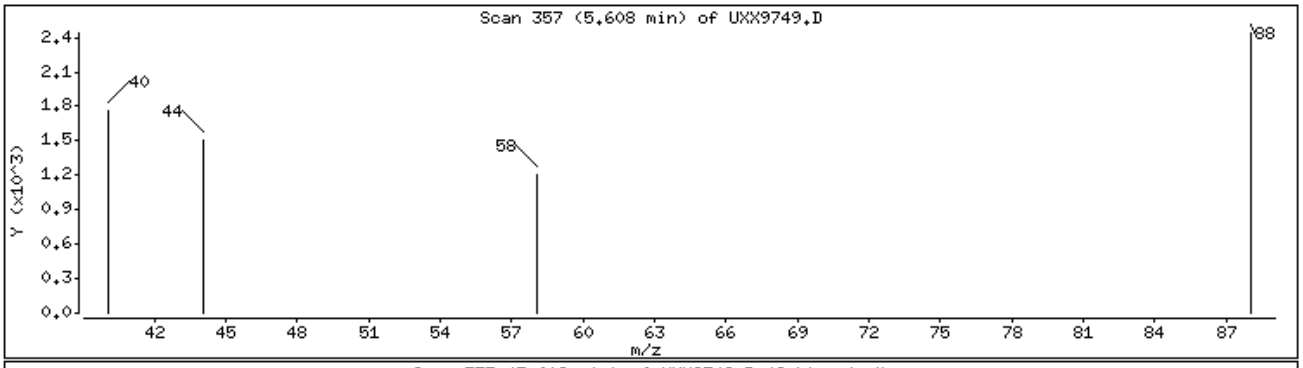
Client ID: MW-206 Instrument: a3ux10.i

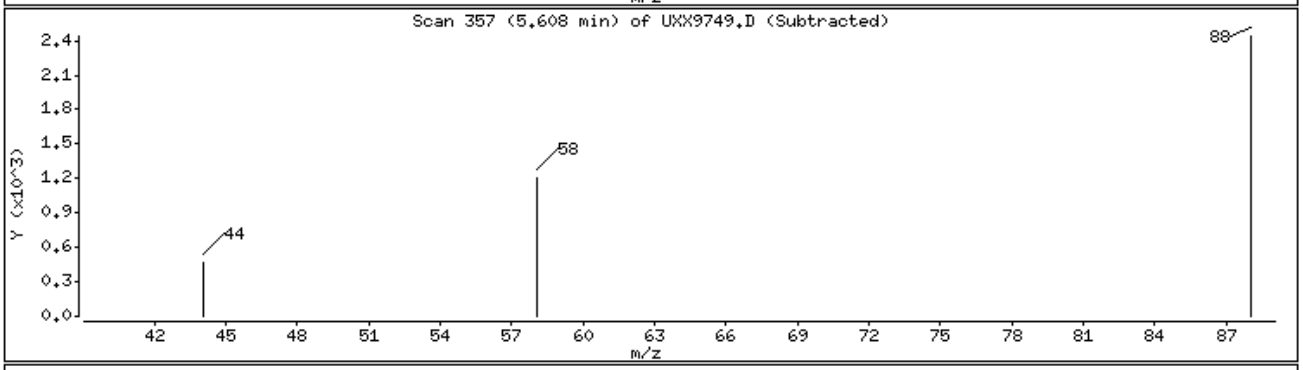
Sample Info: HEQ4Q1AL,5ML/5ML

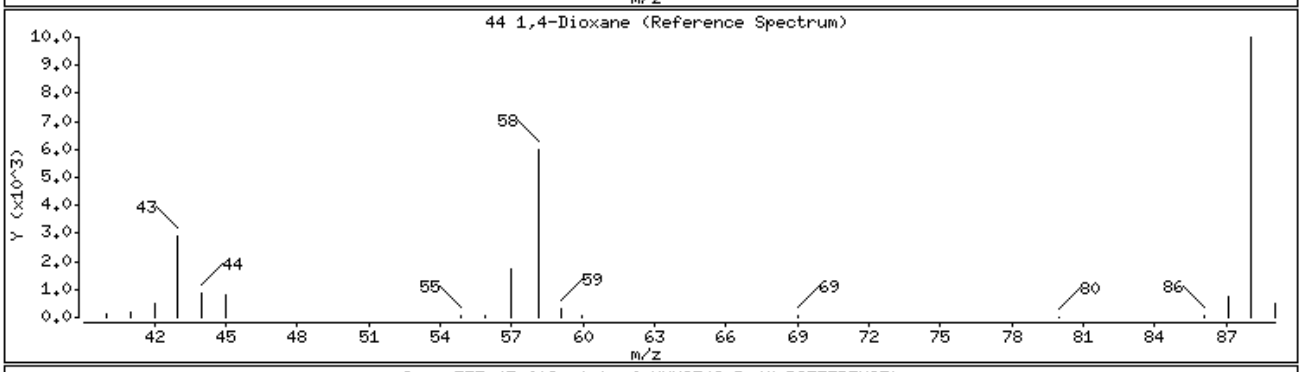
Purge Volume: 5.0 Operator: 1904

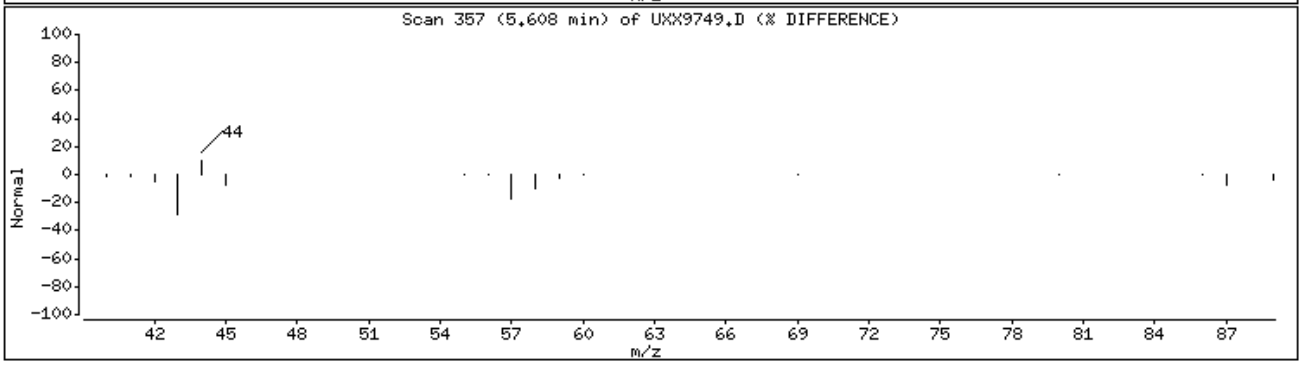
Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 25.349 ug/L









Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9749.D

Date : 12-JUL-2005 05:56

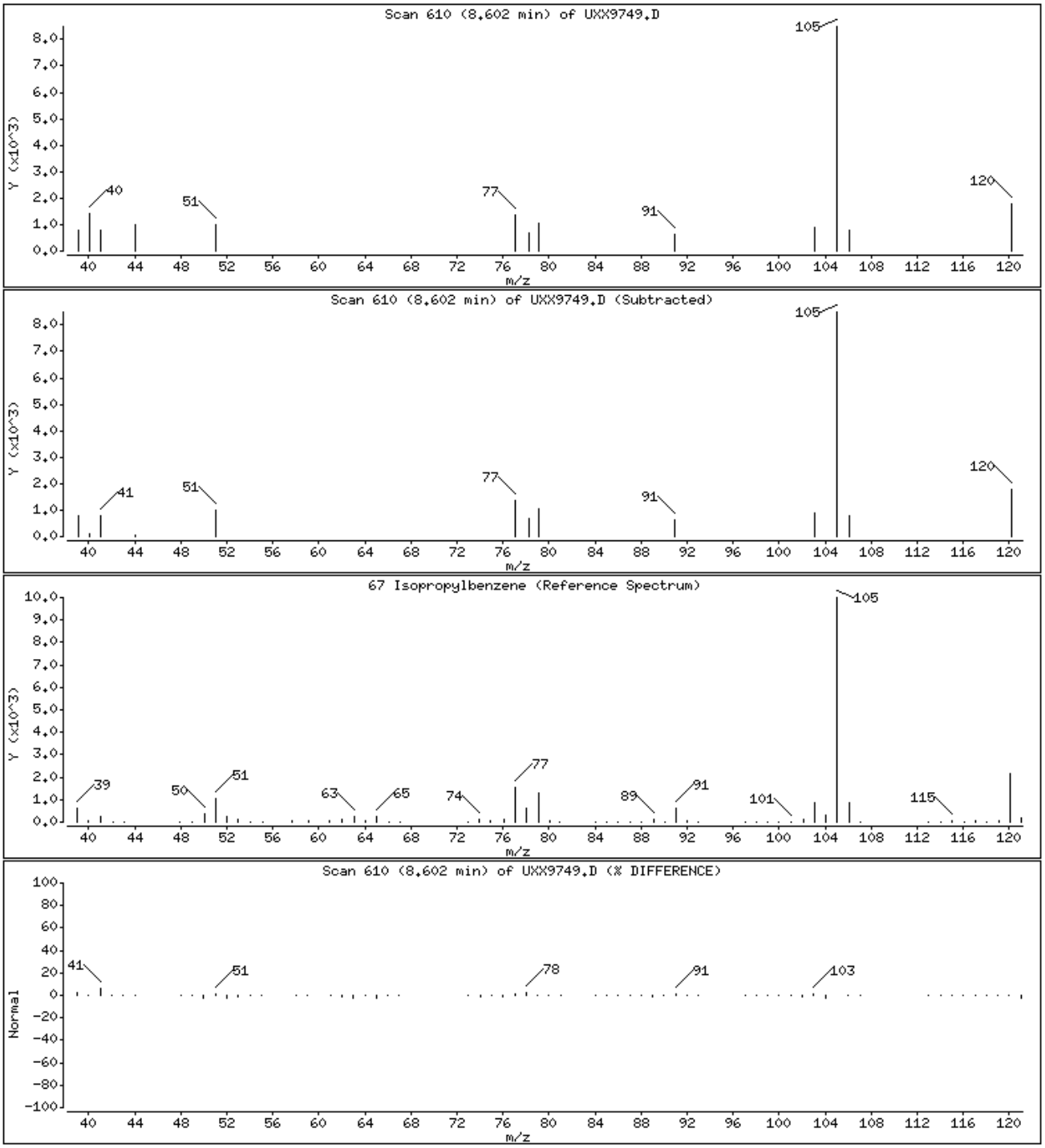
Client ID: MW-206 Instrument: a3ux10.i

Sample Info: HEQ4Q1AL,5ML/5ML

Purge Volume: 5.0 Operator: 1904

Column phase: DB624 Column diameter: 0.18

67 Isopropylbenzene Concentration: 0.1838 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-204

GC/MS Volatiles

Lot-Sample #...: A5G010137-004 **Work Order #...:** HEQ4T1AL **Matrix.....:** WG
Date Sampled...: 06/30/05 13:59 **Date Received..:** 07/01/05
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9750.D
Report Date: 12-Jul-2005 13:58

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9750.D
Lab Smp Id: HEQ4T1AL Client Smp ID: MW-204
Inj Date : 12-JUL-2005 06:20
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEQ4T1AL,5ML/5ML
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 49
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.989	4.990	(1.000)	907897	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	682975	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.877	(1.000)	360468	50.0000	
$ 4 Dibromofluoromethane	113	4.433	4.433	(0.889)	183118	52.5413	10.508
$ 5 1,2-Dichloroethane-d4	65	4.705	4.706	(0.943)	213184	46.0087	9.202
$ 6 Toluene-d8	98	6.338	6.339	(0.828)	715530	48.6849	9.737
$ 7 Bromofluorobenzene	95	8.752	8.752	(1.144)	249429	45.2776	9.056
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9750.D
Report Date: 12-Jul-2005 13:58

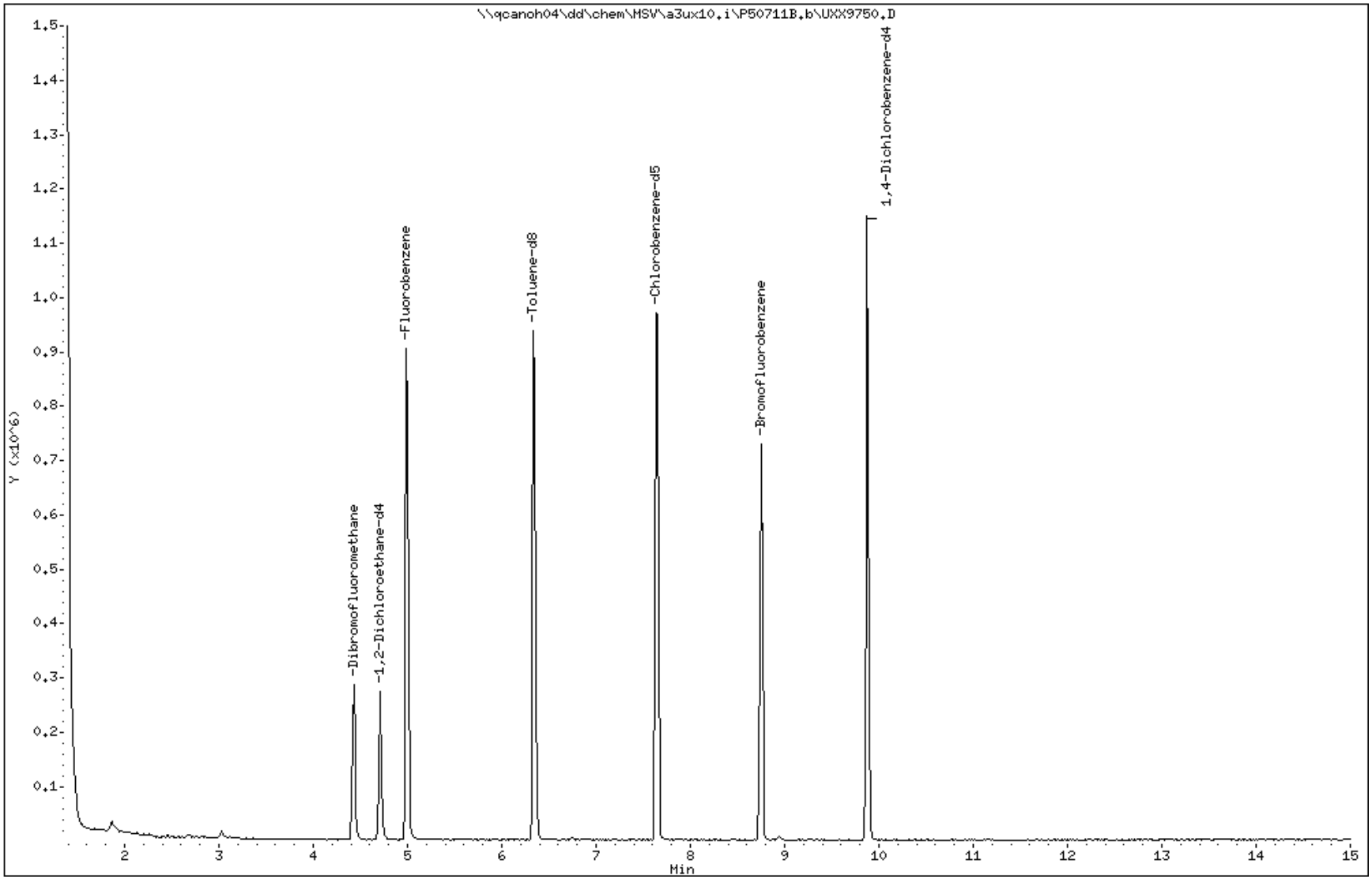
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9750.D
Report Date: 12-Jul-2005 13:58

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9750.D
Date : 12-JUL-2005 06:20
Client ID: MW-204 Instrument: a3ux10.i
Sample Info: HEQ4T1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1904
Column phase: DB624 Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-205

GC/MS Volatiles

Lot-Sample #...: A5G010137-005 **Work Order #...:** HEQ4X1AL **Matrix.....:** WG
Date Sampled...: 06/30/05 13:50 **Date Received..:** 07/01/05
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	93	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	89	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9751.D
Report Date: 12-Jul-2005 13:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9751.D
Lab Smp Id: HEQ4X1AL Client Smp ID: MW-205
Inj Date : 12-JUL-2005 06:45
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEQ4X1AL,5ML/5ML
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 50
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.990	4.990	(1.000)	872266	50.0000	
* 2 Chlorobenzene-d5	117	7.653	7.652	(1.000)	688018	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	355801	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	184382	55.0650	11.013
$ 5 1,2-Dichloroethane-d4	65	4.706	4.706	(0.943)	207538	46.6198	9.324
$ 6 Toluene-d8	98	6.339	6.339	(0.828)	710839	48.0112	9.602
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.144)	247093	44.5238	8.905
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9751.D
Report Date: 12-Jul-2005 13:59

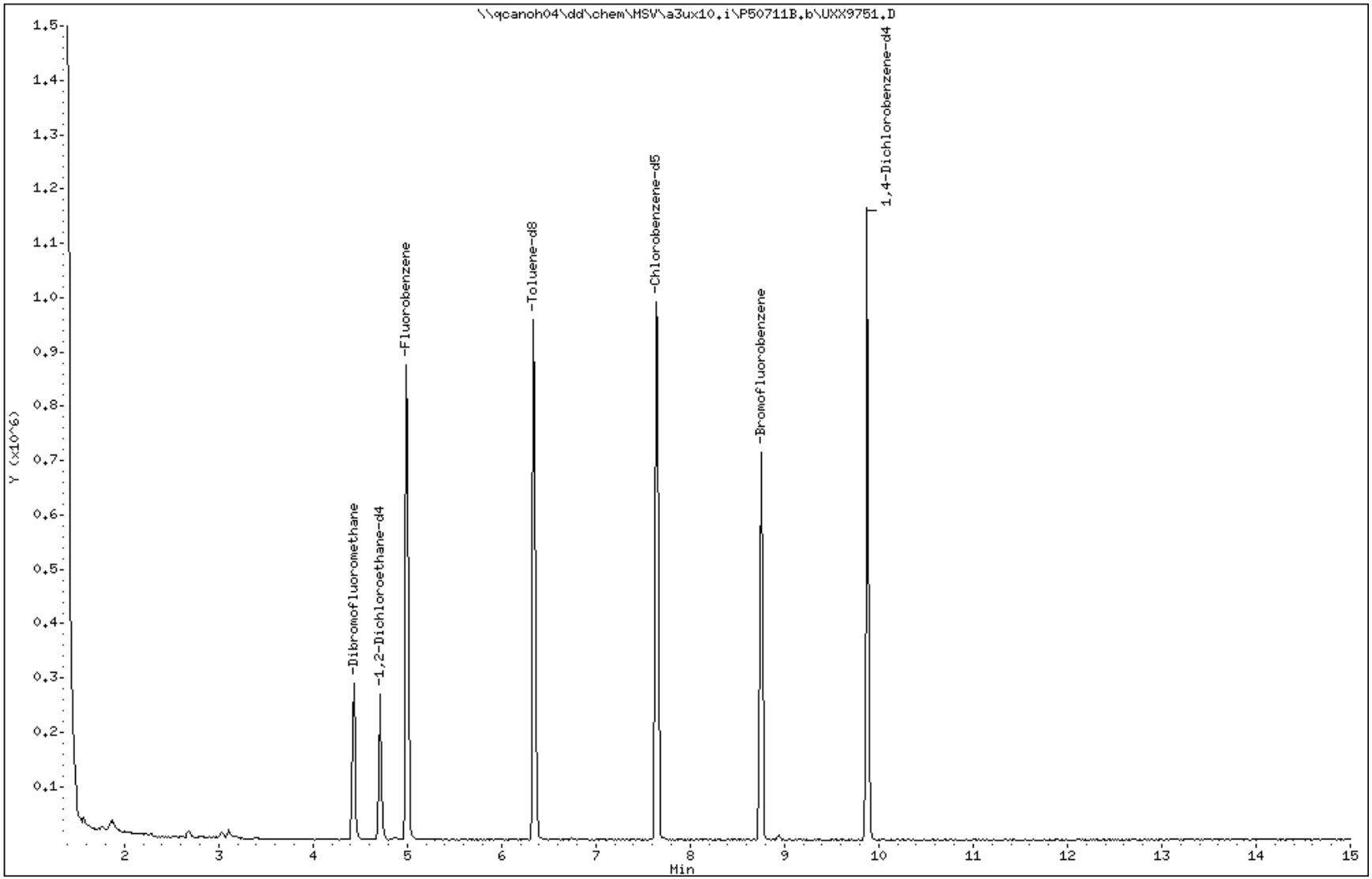
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9751.D
Report Date: 12-Jul-2005 13:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9751.D
Date : 12-JUL-2005 06:45
Client ID: MW-205 Instrument: a3ux10.i
Sample Info: HEQ4X1AL,5ML/5ML
Purge Volume: 5.0 Operator: 1904
Column phase: DB624 Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-204 DUPL

GC/MS Volatiles

Lot-Sample #...: A5G010137-006 **Work Order #...:** HEQ411AL **Matrix.....:** WG
Date Sampled...: 06/30/05 13:20 **Date Received..:** 07/01/05
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	94	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9752.D
Report Date: 12-Jul-2005 13:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9752.D
Lab Smp Id: HEQ411AL Client Smp ID: MW-204 DUPL
Inj Date : 12-JUL-2005 07:10
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEQ411AL,5ML/5ML
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 51
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.989	4.990	(1.000)	880321	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	694331	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.877	(1.000)	352694	50.0000	
$ 4 Dibromofluoromethane	113	4.433	4.433	(0.889)	180861	53.5193	10.704
$ 5 1,2-Dichloroethane-d4	65	4.705	4.706	(0.943)	213301	47.4759	9.495
$ 6 Toluene-d8	98	6.338	6.339	(0.828)	701204	46.9299	9.386
$ 7 Bromofluorobenzene	95	8.752	8.752	(1.144)	257658	46.0073	9.201
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9752.D
Report Date: 12-Jul-2005 13:59

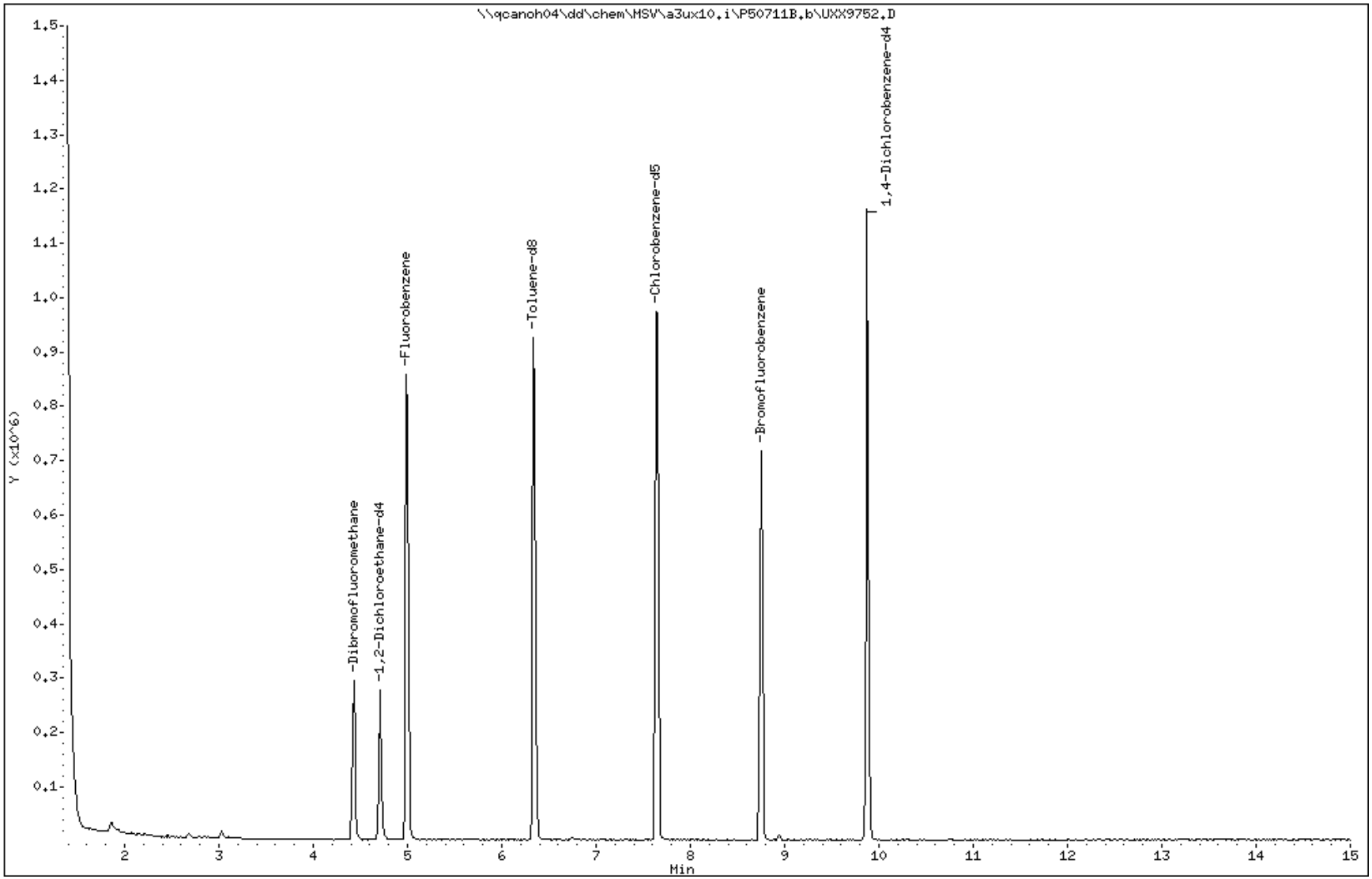
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9752.D
Report Date: 12-Jul-2005 13:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9752.D
Date : 12-JUL-2005 07:10
Client ID: MW-204 DUPL
Instrument: a3ux10.i
Sample Info: HEQ411AL,5ML/5ML
Purge Volume: 5.0
Operator: 1904
Column phase: DB624
Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-203

GC/MS Volatiles

Lot-Sample #...: A5G010137-007 **Work Order #...:** HEQ451AL **Matrix.....:** WG
Date Sampled...: 06/30/05 15:32 **Date Received..:** 07/01/05
Prep Date.....: 07/12/05 **Analysis Date..:** 07/12/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(73 - 122)
1,2-Dichloroethane-d4	91	(61 - 128)
Toluene-d8	96	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9753.D
Report Date: 12-Jul-2005 14:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9753.D
Lab Smp Id: HEQ451AL Client Smp ID: MW-203
Inj Date : 12-JUL-2005 07:35
Operator : 1904 Inst ID: a3ux10.i
Smp Info : HEQ451AL,5ML/5ML
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.990	4.990	(1.000)	884054	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	693582	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	350328	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	181276	53.4156	10.683
$ 5 1,2-Dichloroethane-d4	65	4.706	4.706	(0.943)	205644	45.5784	9.116
$ 6 Toluene-d8	98	6.339	6.339	(0.828)	714217	47.8524	9.570
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.144)	250431	44.7636	8.953
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9753.D
Report Date: 12-Jul-2005 14:00

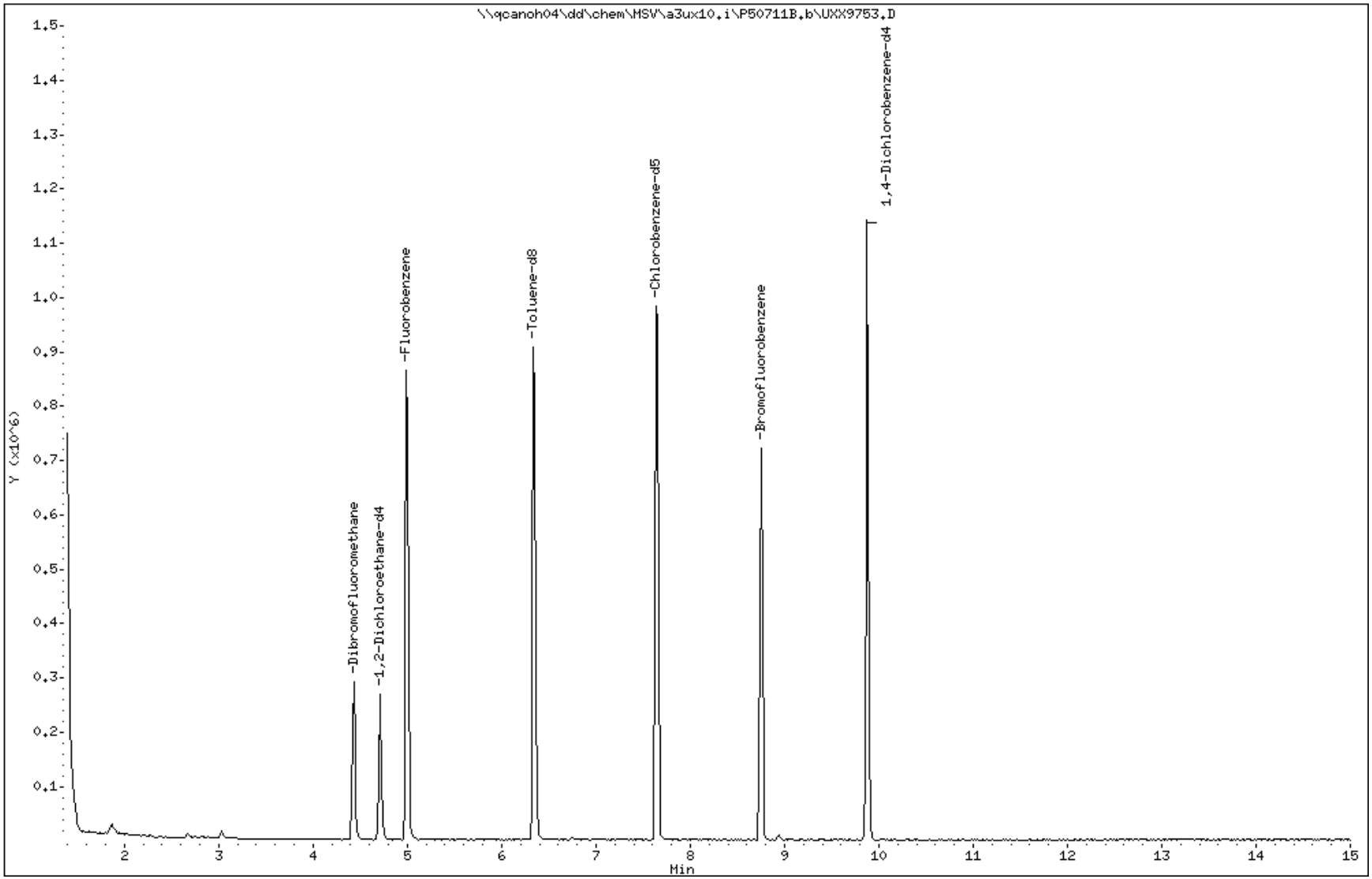
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9753.D
Report Date: 12-Jul-2005 14:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9753.D
Date : 12-JUL-2005 07:35
Client ID: MW-203 Instrument: a3ux10.i
Sample Info: HEQ451AL,5ML/5ML
Purge Volume: 5.0 Operator: 1904
Column phase: DB624 Column diameter: 0.18



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Start Cal Date: 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
22-JUN-2005 18:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Cal Level: 2 , Cal Amount: 10.00000		
22-JUN-2005 18:18	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Cal Level: 3 , Cal Amount: 25.00000		
22-JUN-2005 17:54	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Cal Level: 4 , Cal Amount: 50.00000		
22-JUN-2005 17:29	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Cal Level: 5 , Cal Amount: 100.00000		
22-JUN-2005 17:04	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Cal Level: 6 , Cal Amount: 200.00000		
22-JUN-2005 16:39	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

22-JUN-2005 17:29	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D

Report Date : 23-Jun-2005 08:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Last Edit : 23-Jun-2005 08:46 quayler
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D

		5.000	10.000	25.000	50.000	100.000	200.000	___		
	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD	
	8 Dichlorodifluoromethane	0.10875	0.10925	0.17337	0.16499	0.16271	0.15168	0.14512	19.862	
	9 Chloromethane	0.30061	0.31259	0.31255	0.30592	0.30531	0.28467	0.30361	3.412	
	10 Vinyl Chloride	0.20852	0.20936	0.25146	0.27063	0.25896	0.24459	0.24059	10.804	
	11 Bromomethane	0.12886	0.14738	0.14200	0.15654	0.17164	+++++	0.14928	10.731	
	12 Chloroethane	0.13384	0.15386	0.17251	0.17922	0.18300	0.20192	0.17073	13.970	
	13 Trichlorofluoromethane	0.25765	0.28477	0.32254	0.32494	0.32876	0.33649	0.30919	10.029	
	14 Dichloroflucromethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	15 Acrolein	0.02788	0.02876	0.02964	0.02979	0.02976	0.02652	0.02873	4.579	
	16 Acetone	0.35781	0.23589	0.12884	0.14068	0.13851	0.13380	0.18926	48.568	
	17 1,1-Dichloroethene	0.19595	0.19184	0.19490	0.22012	0.20587	0.20920	0.20298	5.304	
	18 Freon-113	0.11924	0.13185	0.13168	0.15102	0.14260	0.15361	0.13833	9.497	
	19 Iodomethane	0.15001	0.17373	0.19065	0.20676	0.20490	0.20379	0.18831	11.971	
	20 Carbon Disulfide	0.72143	0.72816	0.74461	0.81964	0.77838	0.78338	0.76260	4.955	
	21 Methylene Chloride	1.08395	0.64426	0.41009	0.33764	0.28774	0.27427	0.50632	61.956	<-
	22 Acetonitrile	0.04046	0.03857	0.03398	0.03462	0.03363	0.03314	0.03573	8.475	
	23 Acrylonitrile	0.09480	0.08011	0.08009	0.08148	0.08187	0.08285	0.08353	6.728	
	24 Methyl tert-butyl ether	0.61881	0.58761	0.57934	0.60846	0.58895	0.61958	0.60046	2.894	
	25 trans-1,2-Dichloroethene	0.21572	0.20033	0.21079	0.20982	0.20835	0.21943	0.21074	3.113	
	26 Hexane	0.03063	0.03715	0.03513	0.04598	0.03877	0.04352	0.03853	14.512	
	27 Vinyl acetate	0.26800	0.29178	0.32754	0.36227	0.37078	0.37256	0.33215	13.328	
	28 1,1-Dichloroethane	0.37434	0.39332	0.37986	0.39085	0.38306	0.39519	0.38610	2.148	
	29 tert-Butyl Alcohol	0.02820	0.02051	0.01631	0.01713	0.01732	0.01865	0.01969	22.463	
	30 2-Butanone	0.17556	0.17561	0.11710	0.14620	0.14713	0.15234	0.15232	14.345	
M	31 1,2-Dichloroethene (total)	0.21959	0.20593	0.21521	0.21858	0.21604	0.22401	0.21656	2.800	
	32 cis-1,2-dichloroethene	0.22345	0.21153	0.21963	0.22734	0.22374	0.22859	0.22238	2.783	
	33 2,2-Dichloropropane	0.16460	0.19497	0.21390	0.23867	0.24176	0.24476	0.21645	14.744	
	34 Bromochloromethane	0.10418	0.10573	0.09874	0.10080	0.09738	0.10260	0.10157	3.154	
	35 Chloroform	0.34356	0.36440	0.36051	0.36907	0.35608	0.38153	0.36252	3.516	

Report Date : 23-Jun-2005 08:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Last Edit : 23-Jun-2005 08:46 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.08340	0.08559	0.07088	0.07022	0.06638	0.06797	0.07407	11.151	
	37 1,1,1-Trichloroethane	0.24183	0.25304	0.26280	0.29773	0.28236	0.29427	0.27201	8.416	
	38 1,1-Dichloropropene	0.24312	0.25197	0.25967	0.29373	0.28007	0.28374	0.26872	7.439	
	39 Carbon Tetrachloride	0.16852	0.16491	0.18109	0.21571	0.21763	0.22604	0.19565	13.908	
	40 1,2-Dichloroethane	0.30091	0.30227	0.31053	0.31142	0.30708	0.31914	0.30856	2.170	
	41 Benzene	0.86282	0.85666	0.86716	0.89072	0.86967	0.90340	0.87507	2.062	
	42 Trichloroethene	0.21885	0.20262	0.21259	0.21810	0.21081	0.22063	0.21393	3.141	
	43 1,2-Dichloropropane	0.21785	0.21144	0.22370	0.22897	0.22275	0.23547	0.22336	3.752	
	44 1,4-Dioxane	0.00242	0.00225	0.00213	0.00202	0.00213	0.00192	0.00215	8.106	<-
	45 Dibromomethane	0.11570	0.11565	0.12025	0.12360	0.12282	0.12577	0.12063	3.503	
	46 Bromodichloromethane	0.27182	0.26849	0.26593	0.26900	0.27246	0.28321	0.27182	2.232	
	47 2-Chloroethyl vinyl ether	0.12164	0.12362	0.13485	0.13590	0.13922	0.14350	0.13312	6.529	
	48 cis-1,3-Dichloropropene	0.29068	0.30066	0.31225	0.32678	0.32934	0.34834	0.31801	6.605	
	49 4-Methyl-2-pentanone	0.23177	0.23726	0.21654	0.21970	0.22451	0.23216	0.22699	3.544	
	50 Toluene	1.31942	1.29861	1.29933	1.34543	1.31787	1.34078	1.32024	1.502	
	51 trans-1,3-Dichloropropene	0.31108	0.32148	0.35336	0.36730	0.38959	0.41221	0.35917	10.834	
	52 Ethyl Methacrylate	0.27682	0.26125	0.31863	0.34534	0.37280	0.37935	0.32903	13.477	
	53 1,1,2-Trichloroethane	0.25961	0.25047	0.25964	0.25363	0.25141	0.25171	0.25441	1.638	
	54 1,3-Dichloropropane	0.50793	0.46405	0.48963	0.48868	0.48565	0.49943	0.48923	3.033	
	55 Tetrachloroethene	0.24301	0.22370	0.22451	0.24506	0.23616	0.23529	0.23462	3.830	
	56 2-Hexanone	0.29362	0.30146	0.22007	0.26139	0.28401	0.28283	0.27390	10.812	
	57 Dibromochloromethane	0.23569	0.23805	0.23569	0.24896	0.25433	0.26425	0.24616	4.762	
	58 1,2-Dibromoethane	0.22299	0.23824	0.24348	0.25319	0.25010	0.25090	0.24315	4.652	
	59 Chlorobenzene	0.90014	0.82813	0.83665	0.83665	0.82538	0.84226	0.84487	3.287	
	60 1,1,1,2-Tetrachloroethane	0.21535	0.21278	0.23239	0.24398	0.25820	0.26919	0.23865	9.544	
	61 Ethylbenzene	0.43392	0.43772	0.45307	0.46311	0.45044	0.45903	0.44955	2.577	
	62 m + p-Xylene	0.55420	0.53390	0.55998	0.57556	0.56666	0.57961	0.56165	2.947	
M	63 Xylenes (total)	0.53653	0.53612	0.55500	0.57128	0.56092	0.57681	0.55611	3.079	
	64 Xylene-o	0.50120	0.54054	0.54503	0.56273	0.54943	0.57121	0.54502	4.463	
	65 Styrene	0.93350	0.92468	0.96065	0.97861	0.96743	1.00341	0.96138	3.024	
	66 Bromoform	0.13986	0.13436	0.14649	0.14793	0.15650	0.16853	0.14895	8.185	
	67 Isopropylbenzene	1.19963	1.16871	1.23285	1.33370	1.28685	1.30866	1.25507	5.175	
	68 1,1,2,2-Tetrachloroethane	0.79692	0.65409	0.64225	0.63420	0.61505	0.61172	0.65904	10.536	
	69 1,4-Dichloro-2-butene	0.17029	0.16604	0.15602	0.17687	0.17397	0.17357	0.16946	4.457	
	70 1,2,3-Trichloropropane	0.24391	0.21903	0.22613	0.20712	0.19757	0.19844	0.21537	8.346	
	71 Bromobenzene	0.70822	0.68910	0.67183	0.69623	0.66585	0.67929	0.68509	2.313	

Report Date : 23-Jun-2005 08:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Last Edit : 23-Jun-2005 08:46 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
72	n-Propylbenzene	0.68898	0.72722	0.70200	0.73901	0.72059	0.71270	0.71508	2.508	
73	2-Chlorotoluene	0.71932	0.66869	0.65719	0.65343	0.62830	0.63853	0.66091	4.835	
74	1,3,5-Trimethylbenzene	2.16099	2.17044	2.17717	2.28531	2.18290	2.24287	2.20328	2.247	
75	4-Chlorotoluene	0.71842	0.62358	0.69194	0.69144	0.65807	0.67898	0.67707	4.837	
76	tert-Butylbenzene	1.86437	1.80051	1.81313	1.93160	1.82392	1.83851	1.84534	2.583	
77	1,2,4-Trimethylbenzene	2.28464	2.34156	2.24729	2.31298	2.24466	2.28561	2.28612	1.640	
78	sec-Butylbenzene	2.41556	2.42310	2.53007	2.70131	2.60448	2.60326	2.54630	4.415	
79	4-Isopropyltoluene	2.13778	2.11723	2.15459	2.24007	2.16516	2.23010	2.17415	2.300	
80	1,3-Dichlorobenzene	1.43070	1.32838	1.30313	1.28729	1.25314	1.27830	1.31349	4.771	
81	1,4-Dichlorobenzene	1.59629	1.45649	1.38457	1.34165	1.29431	1.33018	1.40058	7.913	
82	n-Butylbenzene	1.88349	1.94482	1.95927	2.07594	2.00093	2.03059	1.98251	3.432	
83	1,2-Dichlorobenzene	1.39712	1.33371	1.26258	1.24901	1.21581	1.24177	1.28333	5.329	
84	1,2-Dibromo-3-chloropropane	0.11972	0.10113	0.09863	0.10357	0.10798	0.10503	0.10601	7.020	
85	1,2,4-Trichlorobenzene	0.96697	0.86732	0.83307	0.85810	0.81701	0.79442	0.85615	7.063	
86	Hexachlorobutadiene	0.35009	0.31333	0.30983	0.30847	0.30046	0.29203	0.31237	6.404	
87	Naphthalene	2.09394	1.97396	1.82974	1.77960	1.79442	1.62910	1.85013	8.786	
88	1,2,3-Trichlorobenzene	0.95397	0.80230	0.77253	0.74644	0.72762	0.68227	0.78086	12.046	
89	Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
90	Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91	3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
92	Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
93	2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
94	Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
95	Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
96	Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
97	Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
98	Cyclohexane	0.25892	0.27594	0.28666	0.33895	0.31125	0.33671	0.30140	10.927	
99	n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
100	Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
101	2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
102	Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103	Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
104	Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105	Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134	Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135	Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 23-Jun-2005 08:48

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 22-JUN-2005 16:39
End Cal Date : 22-JUN-2005 18:43
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Last Edit : 23-Jun-2005 08:46 quayler
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M	137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	141 1,3,5-Trichlorobenzene	1.00575	0.98895	0.94267	0.91067	0.88090	0.87695	0.93432	5.835	
	143 Methyl Acetate	0.21635	0.21462	0.19812	0.19726	0.19625	0.19333	0.20266	4.976	
	144 Methylcyclohexane	0.22188	0.23712	0.24373	0.30367	0.27655	0.29899	0.26366	12.987	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	4 Dibromofluoromethane	0.19911	0.18972	0.18045	0.19331	0.19250	0.19655	0.19194	3.391	
$	5 1,2-Dichloroethane-d4	0.26875	0.25827	0.25535	0.25199	0.24450	0.25222	0.25518	3.168	
$	6 Toluene-d8	1.04375	1.07591	1.05597	1.07860	1.10098	1.10058	1.07597	2.150	
$	7 Bromofluorobenzene	0.39535	0.41892	0.40478	0.39849	0.40587	0.40208	0.40425	2.025	

eport Date : 23-Jun-2005 08:50

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 22-JUN-2005 16:39
nd Cal Date : 22-JUN-2005 18:43
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
ast Edit : 23-Jun-2005 08:49 a3ux10.i

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D

		5.0000	10.0000	25.0000	50.0000	100.0000	200.0000		Coefficients			%RSD	
	Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2	
8	Dichlorodifluoromethane	13777	28246	110094	212109	420868	774966	WLINR	0.03031	0.16031		0.99496	
9	Chloromethane	0.30061	0.31259	0.31255	0.30592	0.30531	0.28467	AVRG		0.30361		3.41189	
10	Vinyl Chloride	0.20852	0.20936	0.25146	0.27063	0.25896	0.24459	AVRG		0.24059		10.80358	
11	Bromomethane	0.12886	0.14738	0.14200	0.15654	0.17164	+++++	AVRG		0.14928		10.73074	
12	Chloroethane	0.13384	0.15386	0.17251	0.17922	0.18300	0.20192	AVRG		0.17073		13.97002	
13	Trichlorofluoromethane	0.25765	0.28477	0.32254	0.32494	0.32876	0.33649	AVRG		0.30919		10.02875	
14	Dichlorofluoromethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15	Acrolein	0.02788	0.02876	0.02964	0.02979	0.02976	0.02652	AVRG		0.02873		4.57894	
16	Acetone	90655	121977	163627	361723	716546	1367302	WLINR	-0.31734	0.12652		0.99056	
17	1,1-Dichloroethene	0.19595	0.19184	0.19490	0.22012	0.20587	0.20920	AVRG		0.20298		5.30417	
18	Freon-113	0.11924	0.13185	0.13168	0.15102	0.14269	0.15361	AVRG		0.13833		9.49710	
19	Iodomethane	0.15001	0.17373	0.19065	0.20676	0.20490	0.20379	AVRG		0.18831		11.97055	
20	Carbon Disulfide	0.72143	0.72816	0.74461	0.81964	0.77838	0.78338	AVRG		0.76260		4.95503	
21	Methylene Chloride	137316	166569	260415	434070	744273	1401316	WLINR	-0.32328	0.25187		0.99955	

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tart Cal Date : 22-JUN-2005 16:39
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uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
ast Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
22 Acetonitrile	0.04046	0.03857	0.03398	0.03462	0.03363	0.03314	AVRG		0.03573		8.47461
23 Acrylonitrile	0.09480	0.08011	0.08009	0.08148	0.08187	0.08285	AVRG		0.08353		6.72829
24 Methyl tert-butyl ether	0.61881	0.58761	0.57934	0.60846	0.58895	0.61958	AVRG		0.60046		2.89401
25 trans-1,2-Dichloroethene	0.21572	0.20033	0.21079	0.20982	0.20835	0.21943	AVRG		0.21074		3.11348
26 Hexane	0.03063	0.03715	0.03513	0.04598	0.03877	0.04352	AVRG		0.03853		14.51222
27 Vinyl acetate	0.26800	0.29178	0.32754	0.36227	0.37078	0.37256	AVRG		0.33215		13.32831
28 1,1-Dichloroethane	0.37434	0.39332	0.37986	0.39085	0.38306	0.39519	AVRG		0.38610		2.14750
29 tert-Butyl Alcohol	71452	106079	207118	440486	896174	1905695	WLINR	-0.70849	0.01773		0.99446
30 2-Butanone	0.17556	0.17561	0.11710	0.14620	0.14713	0.15234	AVRG		0.15232		14.34497
31 1,2-Dichloroethene (total)	0.21959	0.20593	0.21521	0.21858	0.21604	0.22401	AVRG		0.21656		2.79961
32 cis-1,2-dichloroethene	0.22345	0.21153	0.21963	0.22734	0.22374	0.22859	AVRG		0.22238		2.78259
33 2,2-Dichloropropane	0.16460	0.19497	0.21390	0.23867	0.24176	0.24476	AVRG		0.21645		14.74394
34 Bromochloromethane	0.10418	0.10573	0.09874	0.10080	0.09738	0.10260	AVRG		0.10157		3.15385
35 Chloroform	0.34356	0.36440	0.36051	0.36907	0.35608	0.38153	AVRG		0.36252		3.51650
36 Tetrahydrofuran	0.08340	0.08559	0.07088	0.07022	0.06638	0.06797	AVRG		0.07407		11.15114
37 1,1,1-Trichloroethane	0.24183	0.25304	0.26280	0.29773	0.28236	0.29427	AVRG		0.27201		8.41551
38 1,1-Dichloropropene	0.24312	0.25197	0.25967	0.29373	0.28007	0.28374	AVRG		0.26872		7.43873
39 Carbon Tetrachloride	0.16852	0.16491	0.18109	0.21571	0.21763	0.22604	AVRG		0.19565		13.90832
40 1,2-Dichloroethane	0.30091	0.30227	0.31053	0.31142	0.30708	0.31914	AVRG		0.30856		2.16971
41 Benzene	0.86282	0.85666	0.86716	0.89072	0.86967	0.90340	AVRG		0.87507		2.06228
42 Trichloroethene	0.21885	0.20262	0.21259	0.21810	0.21081	0.22063	AVRG		0.21393		3.14100
43 1,2-Dichloropropane	0.21785	0.21144	0.22370	0.22897	0.22275	0.23547	AVRG		0.22336		3.75158

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ast Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 1,4-Dioxane	0.00242	0.00225	0.00213	0.00202	0.00213	0.00192	AVRG		0.00215		8.10609	<-
45 Dibromomethane	0.11570	0.11565	0.12025	0.12360	0.12282	0.12577	AVRG		0.12063		3.50287	
46 Bromodichloromethane	0.27182	0.26849	0.26593	0.26900	0.27246	0.28321	AVRG		0.27182		2.23180	
47 2-Chloroethyl vinyl ether	0.12164	0.12362	0.13485	0.13590	0.13922	0.14350	AVRG		0.13312		6.52947	
48 cis-1,3-Dichloropropene	0.29068	0.30066	0.31225	0.32678	0.32934	0.34834	AVRG		0.31801		6.60482	
49 4-Methyl-2-pentanone	0.23177	0.23726	0.21654	0.21970	0.22451	0.23216	AVRG		0.22699		3.54370	
50 Toluene	1.31942	1.29861	1.29933	1.34543	1.31787	1.34078	AVRG		1.32024		1.50245	
51 trans-1,3-Dichloropropene	0.31108	0.32148	0.35336	0.36730	0.38959	0.41221	AVRG		0.35917		10.83434	
52 Ethyl Methacrylate	0.27682	0.28125	0.31863	0.34534	0.37280	0.37935	AVRG		0.32903		13.47658	
53 1,1,2-Trichloroethane	0.25961	0.25047	0.25964	0.25363	0.25141	0.25171	AVRG		0.25441		1.63806	
54 1,3-Dichloropropane	0.50793	0.46405	0.48963	0.48868	0.48565	0.49943	AVRG		0.48923		3.03312	
55 Tetrachloroethene	0.24301	0.22370	0.22451	0.24506	0.23616	0.23529	AVRG		0.23462		3.83049	
56 2-Hexanone	0.29362	0.30146	0.22007	0.26139	0.28401	0.28283	AVRG		0.27390		10.81151	
57 Dibromochloromethane	0.23569	0.23805	0.23569	0.24896	0.25433	0.26425	AVRG		0.24616		4.76155	
58 1,2-Dibromoethane	0.22299	0.23824	0.24348	0.25319	0.25010	0.25090	AVRG		0.24315		4.65182	
59 Chlorobenzene	0.90014	0.82813	0.83665	0.83665	0.82538	0.84226	AVRG		0.84487		3.28732	
60 1,1,1,2-Tetrachloroethane	0.21535	0.21278	0.23239	0.24398	0.25820	0.26919	AVRG		0.23865		9.54435	
61 Ethylbenzene	0.43392	0.43772	0.45307	0.46311	0.45044	0.45903	AVRG		0.44955		2.57660	
62 m + p-Xylene	0.55420	0.53390	0.55998	0.57556	0.56666	0.57961	AVRG		0.56165		2.94669	
63 Xylenes (total)	0.53653	0.53612	0.55500	0.57128	0.56092	0.57681	AVRG		0.55611		3.07908	
64 Xylene-o	0.50120	0.54054	0.54503	0.56273	0.54943	0.57121	AVRG		0.54502		4.46349	
65 Styrene	0.93350	0.92468	0.96065	0.97861	0.96743	1.00341	AVRG		0.96138		3.02369	

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ast Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Bromoform	0.13986	0.13436	0.14649	0.14793	0.15650	0.16853	AVRG		0.14895		8.18474
67 Isopropylbenzene	1.19963	1.16871	1.23285	1.33370	1.28685	1.30866	AVRG		1.25507		5.17455
68 1,1,2,2-Tetrachloroethane	0.79692	0.65409	0.64225	0.63420	0.61505	0.61172	AVRG		0.65904		10.53636
69 1,4-Dichloro-2-butene	0.17029	0.16604	0.15602	0.17687	0.17397	0.17357	AVRG		0.16946		4.45720
70 1,2,3-Trichloropropane	0.24391	0.21903	0.22613	0.20712	0.19757	0.19844	AVRG		0.21537		8.34596
71 Bromobenzene	0.70822	0.68910	0.67183	0.69623	0.66585	0.67929	AVRG		0.68509		2.31275
72 n-Propylbenzene	0.68898	0.72722	0.70200	0.73901	0.72059	0.71270	AVRG		0.71508		2.50775
73 2-Chlorotoluene	0.71932	0.66869	0.65719	0.65343	0.62830	0.63853	AVRG		0.66091		4.83539
74 1,3,5-Trimethylbenzene	2.16099	2.17044	2.17717	2.28531	2.18290	2.24287	AVRG		2.20328		2.24747
75 4-Chlorotoluene	0.71842	0.62358	0.69194	0.69144	0.65807	0.67898	AVRG		0.67707		4.83720
76 tert-Butylbenzene	1.86437	1.80051	1.81313	1.93160	1.82392	1.83851	AVRG		1.84534		2.58261
77 1,2,4-Trimethylbenzene	2.28464	2.34156	2.24729	2.31298	2.24466	2.28561	AVRG		2.28612		1.63953
78 sec-Butylbenzene	2.41556	2.42310	2.53007	2.70131	2.60448	2.60326	AVRG		2.54630		4.41504
79 4-Isopropyltoluene	2.13778	2.11723	2.15459	2.24007	2.16516	2.23010	AVRG		2.17415		2.29983
80 1,3-Dichlorobenzene	1.43070	1.32838	1.30313	1.28729	1.25314	1.27830	AVRG		1.31349		4.77095
81 1,4-Dichlorobenzene	1.59629	1.45649	1.38457	1.34165	1.29431	1.33018	AVRG		1.40058		7.91256
82 n-Butylbenzene	1.88349	1.94482	1.95927	2.07594	2.00093	2.03059	AVRG		1.98251		3.43182
83 1,2-Dichlorobenzene	1.39712	1.33371	1.26258	1.24901	1.21581	1.24177	AVRG		1.28333		5.32854
84 1,2-Dibromo-3-chloropropane	0.11972	0.10113	0.09863	0.10357	0.10798	0.10503	AVRG		0.10601		7.02009
85 1,2,4-Trichlorobenzene	0.96697	0.86732	0.83307	0.85810	0.81701	0.79442	AVRG		0.85615		7.06307
86 Hexachlorobutadiene	0.35009	0.31333	0.30983	0.30847	0.30046	0.29203	AVRG		0.31237		6.40367
87 Naphthalene	2.09394	1.97396	1.82974	1.77960	1.79442	1.62910	AVRG		1.85013		8.78626

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ast Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.95397	0.80230	0.77253	0.74644	0.72762	0.68227	AVRG		0.78086		12.04556	
89 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
92 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
93 2-Chloro-1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
94 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
95 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
96 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
97 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
98 Cyclohexane	0.25892	0.27594	0.28666	0.33895	0.31125	0.33671	AVRG		0.30140		10.92734	
99 n-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
100 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
101 2-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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ist Edit : 23-Jun-2005 08:49 a3ux10.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.00575	0.98895	0.94267	0.91067	0.88090	0.87695	AVRG		0.93432		5.83503	
143 Methyl Acetate	0.21635	0.21462	0.19812	0.19726	0.19625	0.19333	AVRG		0.20266		4.97591	
144 Methylcyclohexane	0.22188	0.23712	0.24373	0.30367	0.27655	0.29899	AVRG		0.26366		12.98705	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.19911	0.18972	0.18045	0.19331	0.19250	0.19655	AVRG		0.19194		3.39062	
5 1,2-Dichloroethane-d4	0.26875	0.25827	0.25535	0.25199	0.24450	0.25222	AVRG		0.25518		3.16849	
6 Toluene-d8	1.04375	1.07591	1.05597	1.07860	1.10098	1.10058	AVRG		1.07597		2.15018	
7 Bromofluorobenzene	0.39535	0.41892	0.40478	0.39849	0.40587	0.40208	AVRG		0.40425		2.02505	

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ast Edit : 23-Jun-2005 08:49 a3ux10.i

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Wt Linear	Amt = b + Rsp/ml	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D
Report Date: 23-Jun-2005 08:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D
Lab Smp Id: 200NG-IC
Inj Date : 22-JUN-2005 16:39
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 200NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:21 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 18:18 Cal File: UXX9122.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	5.001	5.001	(1.000)	1277337	50.0000	
*	2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	929822	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.876	9.876	(1.000)	489458	50.0000	
$	4 Dibromofluoromethane	113	4.433	4.433	(0.886)	1004245	200.000	204.80(A)
$	5 1,2-Dichloroethane-d4	65	4.717	4.717	(0.943)	1288698	200.000	197.68
$	6 Toluene-d8	98	6.350	6.350	(0.830)	4093391	200.000	204.58(A)
$	7 Bromofluorobenzene	95	8.752	8.752	(1.144)	1495463	200.000	198.93
	8 Dichlorodifluoromethane	85	1.475	1.475	(0.295)	774966	200.000	198.80
	9 Chloromethane	50	1.641	1.641	(0.328)	1454467	200.000	187.52
	10 Vinyl Chloride	62	1.712	1.712	(0.342)	1249705	200.000	203.33(A)
	11 Bromomethane	94	1.960	1.960	(0.392)	1053676	200.000	276.28(A)
	12 Chloroethane	64	2.043	2.043	(0.409)	1031680	200.000	236.54(A)
	13 Trichlorofluoromethane	101	2.256	2.256	(0.451)	1719233	200.000	217.66(A)
	15 Acrolein	56	2.576	2.576	(0.515)	1354779	2000.00	1846.1
	16 Acetone	43	2.694	2.694	(0.539)	1367302	400.000	407.16(A)
	17 1,1-Dichloroethene	96	2.670	2.670	(0.534)	1068876	200.000	206.13(A)
	18 Freon-113	151	2.670	2.670	(0.534)	784831	200.000	222.08(A)
	19 Iodomethane	142	2.800	2.800	(0.560)	1041213	200.000	216.44(A)
	20 Carbon Disulfide	76	2.860	2.860	(0.572)	4002549	200.000	205.45(A)
	21 Methylene Chloride	84	3.037	3.037	(0.607)	1401316	200.000	201.62(A)
	22 Acetonitrile	41	2.907	2.907	(0.581)	1693135	2000.00	1854.7
	23 Acrylonitrile	53	3.215	3.215	(0.643)	4233324	2000.00	1983.7

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D
Report Date: 23-Jun-2005 08:21

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.262	3.262	(0.652)	3165651	200.000	206.37(A)
25 trans-1,2-Dichloroethene	96	3.262	3.262	(0.652)	1121168	200.000	208.25(A)
26 Hexane	86	3.487	3.487	(0.697)	222369	200.000	225.91(A)
27 Vinyl acetate	43	3.617	3.617	(0.723)	1903514	200.000	224.33(A)
28 1,1-Dichloroethane	63	3.593	3.593	(0.718)	2019165	200.000	204.71(A)
29 tert-Butyl Alcohol	59	3.120	3.120	(0.624)	1905695	4000.00	4172.9(A)
30 2-Butanone	43	4.055	4.055	(0.811)	1556755	400.000	400.05(A)
32 cis-1,2-dichloroethene	96	4.055	4.055	(0.811)	1167935	200.000	205.58(A)
33 2,2-Dichloropropane	77	4.067	4.067	(0.813)	1250586	200.000	226.17(A)
34 Bromochloromethane	128	4.256	4.256	(0.851)	524229	200.000	202.03(A)
35 Chloroform	83	4.315	4.315	(0.863)	1949355	200.000	210.48(A)
36 Tetrahydrofuran	42	4.303	4.303	(0.860)	347263	200.000	183.51
37 1,1,1-Trichloroethane	97	4.481	4.481	(0.896)	1503548	200.000	216.37(A)
38 1,1-Dichloropropene	75	4.611	4.611	(0.922)	1449733	200.000	211.18(A)
39 Carbon Tetrachloride	117	4.623	4.623	(0.924)	1154934	200.000	231.07(A)
40 1,2-Dichloroethane	62	4.776	4.776	(0.955)	1630586	200.000	206.86(A)
41 Benzene	78	4.776	4.776	(0.955)	4615768	200.000	206.47(A)
42 Trichloroethene	130	5.309	5.309	(1.062)	1127260	200.000	206.26(A)
43 1,2-Dichloropropane	63	5.486	5.486	(1.097)	1203104	200.000	210.84(A)
44 1,4-Dioxane	88	5.605	5.605	(1.121)	489752	10000.0	8936.3(A)
45 Dibromomethane	93	5.593	5.593	(1.118)	642606	200.000	208.52(A)
46 Bromodichloromethane	83	5.711	5.711	(1.142)	1447032	200.000	208.38(A)
47 2-Chloroethyl vinyl ether	63	5.960	5.960	(1.192)	1466382	400.000	431.18(A)
48 cis-1,3-Dichloropropene	75	6.102	6.102	(1.220)	1779769	200.000	219.07(A)
49 4-Methyl-2-pentanone	43	6.220	6.220	(1.244)	2372349	400.000	409.11(A)
50 Toluene	91	6.409	6.409	(0.838)	4986749	200.000	203.11(A)
51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	1533121	200.000	229.53(A)
52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	1410908	200.000	230.58(A)
53 1,1,2-Trichloroethane	97	6.741	6.741	(0.881)	936195	200.000	197.88
54 1,3-Dichloropropane	76	6.895	6.895	(0.901)	1857530	200.000	204.17(A)
55 Tetrachloroethene	164	6.906	6.906	(0.903)	875097	200.000	200.57(A)
56 2-Hexanone	43	6.966	6.966	(0.910)	2103853	400.000	413.05(A)
57 Dibromochloromethane	129	7.108	7.108	(0.929)	982835	200.000	214.70(A)
58 1,2-Dibromoethane	107	7.226	7.226	(0.944)	933157	200.000	206.37(A)
59 Chlorobenzene	112	7.676	7.676	(1.003)	3132626	200.000	199.38
60 1,1,1,2-Tetrachloroethane	131	7.747	7.747	(1.012)	1001184	200.000	225.59(A)
61 Ethylbenzene	106	7.770	7.770	(1.015)	1707247	200.000	204.22(A)
62 m + p-Xylene	106	7.877	7.877	(1.029)	4311464	400.000	412.79(A)
64 Xylene-o	106	8.255	8.255	(1.079)	2124508	200.000	209.61(A)
65 Styrene	104	8.267	8.267	(1.080)	3731985	200.000	208.74(A)
66 Bromoform	173	8.445	8.445	(1.104)	626818	200.000	226.30(A)
67 Isopropylbenzene	105	8.610	8.610	(1.125)	4867281	200.000	208.54(A)
68 1,1,2,2-Tetrachloroethane	83	8.871	8.871	(0.898)	1197645	200.000	185.64
69 1,4-Dichloro-2-butene	53	8.930	8.930	(0.904)	339822	200.000	204.85(A)
70 1,2,3-Trichloropropane	110	8.918	8.918	(0.903)	388521	200.000	184.28
71 Bromobenzene	156	8.906	8.906	(0.902)	1329932	200.000	198.31
72 n-Propylbenzene	120	9.001	9.001	(0.911)	1395340	200.000	199.33
73 2-Chlorotoluene	126	9.095	9.095	(0.921)	1250132	200.000	193.23
74 1,3,5-Trimethylbenzene	105	9.166	9.166	(0.928)	4391167	200.000	203.59(A)
75 4-Chlorotoluene	126	9.190	9.190	(0.930)	1329331	200.000	200.56(A)
76 tert-Butylbenzene	119	9.486	9.486	(0.960)	3599503	200.000	199.26
77 1,2,4-Trimethylbenzene	105	9.533	9.533	(0.965)	4474831	200.000	199.95
78 sec-Butylbenzene	105	9.711	9.711	(0.983)	5096738	200.000	204.47(A)
79 4-Isopropyltoluene	119	9.841	9.841	(0.996)	4366153	200.000	205.15(A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9118.D
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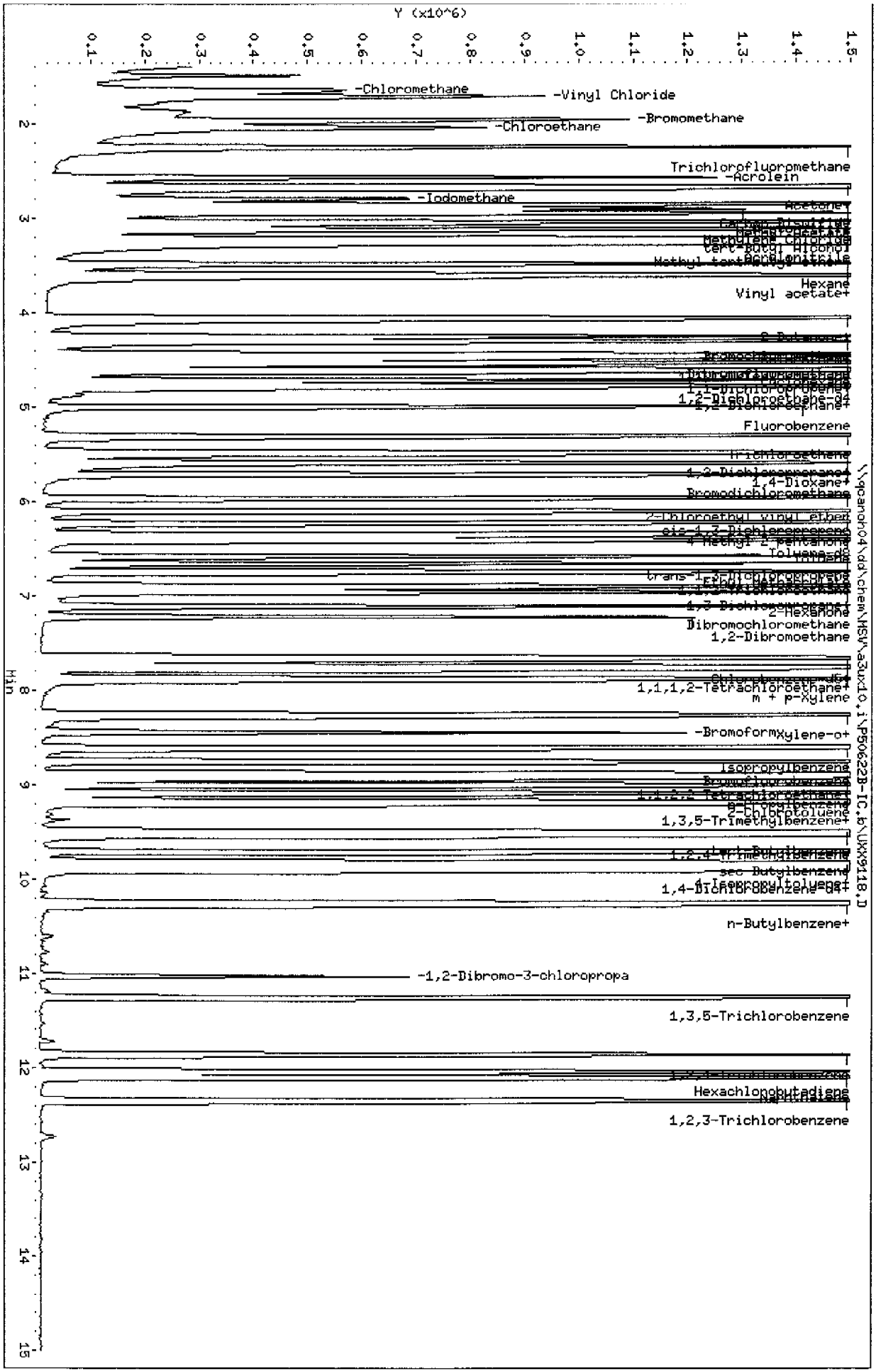
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	2502702	200.000	194.64
81	1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	2604267	200.000	189.95
82	n-Butylbenzene	91	10.243	10.243	(1.037)	3975550	200.000	204.85(A)
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	2431185	200.000	193.52
84	1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	205633	200.000	198.15
85	1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	1555350	200.000	185.58
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	571751	200.000	186.98
87	Naphthalene	128	12.101	12.101	(1.225)	3189511	200.000	176.11
88	1,2,3-Trichlorobenzene	180	12.349	12.349	(1.250)	1335774	200.000	174.75
98	Cyclohexane	56	4.540	4.540	(0.908)	1720366	200.000	223.43(A)
143	Methyl Acetate	43	2.954	2.954	(0.591)	1975599	400.000	381.60(A)
144	Methylcyclohexane	83	5.486	5.486	(1.097)	1527664	200.000	226.80(A)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	1716926	200.000	187.72(A)

QC Flag Legend

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



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Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Report Date: 23-Jun-2005 08:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Lab Smp Id: 100NG-IC
Inj Date : 22-JUN-2005 17:04
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 100NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:22 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 16:39 Cal File: UXX9118.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	5.001	5.001	(1.000)	1293320	50.0000	
* 2	Chlorobenzene-d5	117	7.652	7.652	(1.000)	913860	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.876	9.876	(1.000)	485947	50.0000	
$ 4	Dibromofluoromethane	113	4.445	4.445	(0.889)	497926	100.000	100.29
$ 5	1,2-Dichloroethane-d4	65	4.717	4.717	(0.943)	632425	100.000	95.813
$ 6	Toluene-d8	98	6.350	6.350	(0.830)	2012281	100.000	102.32
$ 7	Bromofluorobenzene	95	8.752	8.752	(1.144)	741821	100.000	100.40
8	Dichlorodifluoromethane	85	1.487	1.487	(0.297)	420868	100.000	106.63
9	Chloromethane	50	1.652	1.652	(0.330)	789721	100.000	100.56
10	Vinyl Chloride	62	1.711	1.711	(0.342)	669848	100.000	107.64
11	Bromomethane	94	1.972	1.972	(0.394)	443979	100.000	114.98
12	Chloroethane	64	2.055	2.055	(0.411)	473360	100.000	107.19
13	Trichlorofluoromethane	101	2.256	2.256	(0.451)	850385	100.000	106.33
15	Acrolein	56	2.575	2.575	(0.515)	769824	1000.00	1036.1
16	Acetone	43	2.694	2.694	(0.539)	716546	200.000	203.08(A)
17	1,1-Dichloroethene	96	2.670	2.670	(0.534)	532520	100.000	101.42
18	Freon-113	151	2.670	2.670	(0.534)	368853	100.000	103.08
19	Iodomethane	142	2.800	2.800	(0.560)	530012	100.000	108.81
20	Carbon Disulfide	76	2.859	2.859	(0.572)	2013379	100.000	102.07
21	Methylene Chloride	84	3.049	3.049	(0.610)	744273	100.000	98.076
22	Acetonitrile	41	2.907	2.907	(0.581)	869960	1000.00	941.21
23	Acrylonitrile	53	3.226	3.226	(0.645)	2117807	1000.00	980.13

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Report Date: 23-Jun-2005 08:22

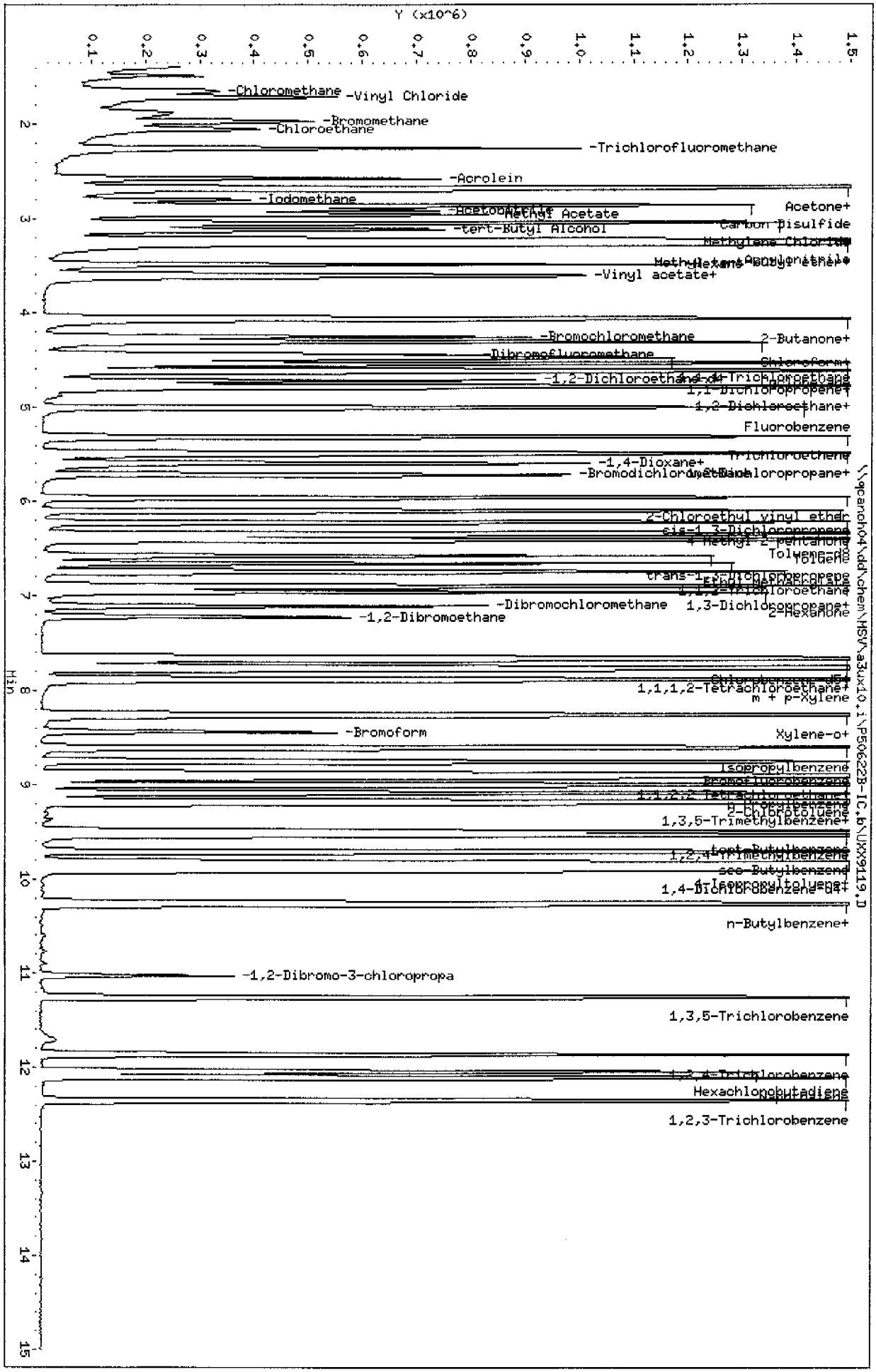
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.262	3.262	(0.652)	1523411	100.000	98.084
25 trans-1,2-Dichloroethene	96	3.262	3.262	(0.652)	538929	100.000	98.865
26 Hexane	86	3.486	3.486	(0.697)	100296	100.000	100.63
27 Vinyl acetate	43	3.628	3.628	(0.726)	959087	100.000	111.63
28 1,1-Dichloroethane	63	3.593	3.593	(0.718)	990832	100.000	99.211
29 tert-Butyl Alcohol	59	3.120	3.120	(0.624)	896174	2000.00	1919.1(A)
30 2-Butanone	43	4.054	4.054	(0.811)	761144	200.000	193.18
32 cis-1,2-dichloroethene	96	4.066	4.066	(0.813)	578728	100.000	100.61
33 2,2-Dichloropropane	77	4.066	4.066	(0.813)	625351	100.000	111.70
34 Bromochloromethane	128	4.256	4.256	(0.851)	251898	100.000	95.877
35 Chloroform	83	4.315	4.315	(0.863)	921038	100.000	98.221
36 Tetrahydrofuran	42	4.303	4.303	(0.860)	171706	100.000	89.617
37 1,1,1-Trichloroethane	97	4.480	4.480	(0.896)	730362	100.000	103.81
38 1,1-Dichloropropene	75	4.611	4.611	(0.922)	724447	100.000	104.22
39 Carbon Tetrachloride	117	4.622	4.622	(0.924)	562924	100.000	111.23
40 1,2-Dichloroethane	62	4.776	4.776	(0.955)	794304	100.000	99.520
41 Benzene	78	4.776	4.776	(0.955)	2249511	100.000	99.382
42 Trichloroethene	130	5.309	5.309	(1.062)	545290	100.000	98.540
43 1,2-Dichloropropane	63	5.486	5.486	(1.097)	576184	100.000	99.727
44 1,4-Dioxane	88	5.604	5.604	(1.121)	275933	5000.00	4972.6(A)
45 Dibromomethane	93	5.593	5.593	(1.118)	317679	100.000	101.81
46 Bromodichloromethane	83	5.711	5.711	(1.142)	704766	100.000	100.24
47 2-Chloroethyl vinyl ether	63	5.959	5.959	(1.192)	720248	200.000	209.17(A)
48 cis-1,3-Dichloropropene	75	6.101	6.101	(1.220)	851874	100.000	103.56
49 4-Methyl-2-pentanone	43	6.220	6.220	(1.244)	1161431	200.000	197.81
50 Toluene	91	6.409	6.409	(0.838)	2408695	100.000	99.820
51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	712066	100.000	108.47
52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	681382	100.000	113.30
53 1,1,2-Trichloroethane	97	6.752	6.752	(0.882)	459508	100.000	98.820
54 1,3-Dichloropropane	76	6.894	6.894	(0.901)	887641	100.000	99.269
55 Tetrachloroethene	164	6.906	6.906	(0.903)	431637	100.000	100.66
56 2-Hexanone	43	6.965	6.965	(0.910)	1038194	200.000	207.39(A)
57 Dibromochloromethane	129	7.107	7.107	(0.929)	464843	100.000	103.32
58 1,2-Dibromoethane	107	7.226	7.226	(0.944)	457109	100.000	102.86
59 Chlorobenzene	112	7.675	7.675	(1.003)	1508558	100.000	97.693
60 1,1,1,2-Tetrachloroethane	131	7.746	7.746	(1.012)	471917	100.000	108.19
61 Ethylbenzene	106	7.770	7.770	(1.015)	823270	100.000	100.20
62 m + p-Xylene	106	7.876	7.876	(1.029)	2071395	200.000	201.78(A)
64 Xylene-o	106	8.255	8.255	(1.079)	1004203	100.000	100.81
65 Styrene	104	8.267	8.267	(1.080)	1768195	100.000	100.63
66 Bromoform	173	8.444	8.444	(1.104)	286046	100.000	105.07
67 Isopropylbenzene	105	8.610	8.610	(1.125)	2352000	100.000	102.53
68 1,1,2,2-Tetrachloroethane	83	8.870	8.870	(0.898)	597765	100.000	93.325
69 1,4-Dichloro-2-butene	53	8.929	8.929	(0.904)	169080	100.000	102.66
70 1,2,3-Trichloropropane	110	8.918	8.918	(0.903)	192013	100.000	91.734
71 Bromobenzene	156	8.906	8.906	(0.902)	647134	100.000	97.192
72 n-Propylbenzene	120	9.000	9.000	(0.911)	700340	100.000	100.77
73 2-Chlorotoluene	126	9.095	9.095	(0.921)	610644	100.000	95.066
74 1,3,5-Trimethylbenzene	105	9.166	9.166	(0.928)	2121546	100.000	99.075
75 4-Chlorotoluene	126	9.190	9.190	(0.930)	639576	100.000	97.194
76 tert-Butylbenzene	119	9.486	9.486	(0.960)	1772658	100.000	98.839
77 1,2,4-Trimethylbenzene	105	9.533	9.533	(0.965)	2181570	100.000	98.186
78 sec-Butylbenzene	105	9.710	9.710	(0.983)	2531280	100.000	102.28
79 4-Isopropyltoluene	119	9.841	9.841	(0.996)	2104310	100.000	99.586

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Report Date: 23-Jun-2005 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	1217916	100.000	95.405
81	1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	1257933	100.000	92.412
82	n-Butylbenzene	91	10.243	10.243	(1.037)	1944696	100.000	100.93
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	1181638	100.000	94.738
84	1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	104942	100.000	101.86
85	1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	794049	100.000	95.429
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	292012	100.000	96.187
87	Naphthalene	128	12.101	12.101	(1.225)	1743986	100.000	96.989
88	1,2,3-Trichlorobenzene	180	12.349	12.349	(1.250)	707170	100.000	93.182
98	Cyclohexane	56	4.540	4.540	(0.908)	805093	100.000	103.27
143	Methyl Acetate	43	2.954	2.954	(0.591)	1015246	200.000	193.68(A)
144	Methylcyclohexane	83	5.486	5.486	(1.097)	715342	100.000	104.89(A)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	856143	100.000	94.283(A)

QC Flag Legend

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



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Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Report Date: 23-Jun-2005 08:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Lab Smp Id: 50NG-IC
Inj Date : 22-JUN-2005 17:29
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:22 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 18:43 Cal File: UXX9123.D
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	5.004	5.004	(1.000)	1285598	50.0000	
* 2	Chlorobenzene-d5	117	7.643	7.643	(1.000)	913279	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.879	9.879	(1.000)	471535	50.0000	
$ 4	Dibromofluoromethane	113	4.436	4.436	(0.887)	248517	50.0000	50.357
$ 5	1,2-Dichloroethane-d4	65	4.720	4.720	(0.943)	323961	50.0000	49.375
$ 6	Toluene-d8	98	6.341	6.341	(0.830)	985062	50.0000	50.122
$ 7	Bromofluorobenzene	95	8.755	8.755	(1.146)	363936	50.0000	49.288
8	Dichlorodifluoromethane	85	1.490	1.490	(0.298)	212109	50.0000	54.062
9	Chloromethane	50	1.656	1.656	(0.331)	393285	50.0000	50.380
10	Vinyl Chloride	62	1.715	1.715	(0.343)	347917	50.0000	56.243
11	Bromomethane	94	1.975	1.975	(0.395)	201249	50.0000	52.430
12	Chloroethane	64	2.058	2.058	(0.411)	230408	50.0000	52.488
13	Trichlorofluoromethane	101	2.259	2.259	(0.451)	417738	50.0000	52.546
15	Acrolein	56	2.579	2.579	(0.515)	383011	500.000	518.57
16	Acetone	43	2.697	2.697	(0.539)	361723	100.000	95.326
17	1,1-Dichloroethene	96	2.673	2.673	(0.534)	282984	50.0000	54.222
18	Freon-113	151	2.673	2.673	(0.534)	194147	50.0000	54.584
19	Iodomethane	142	2.803	2.803	(0.560)	265811	50.0000	54.900
20	Carbon Disulfide	76	2.863	2.863	(0.572)	1053732	50.0000	53.740
21	Methylene Chloride	84	3.052	3.052	(0.610)	434070	50.0000	50.863
22	Acetonitrile	41	2.910	2.910	(0.582)	445123	500.000	484.47
23	Acrylonitrile	53	3.217	3.217	(0.643)	1047568	500.000	487.73

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Report Date: 23-Jun-2005 08:22

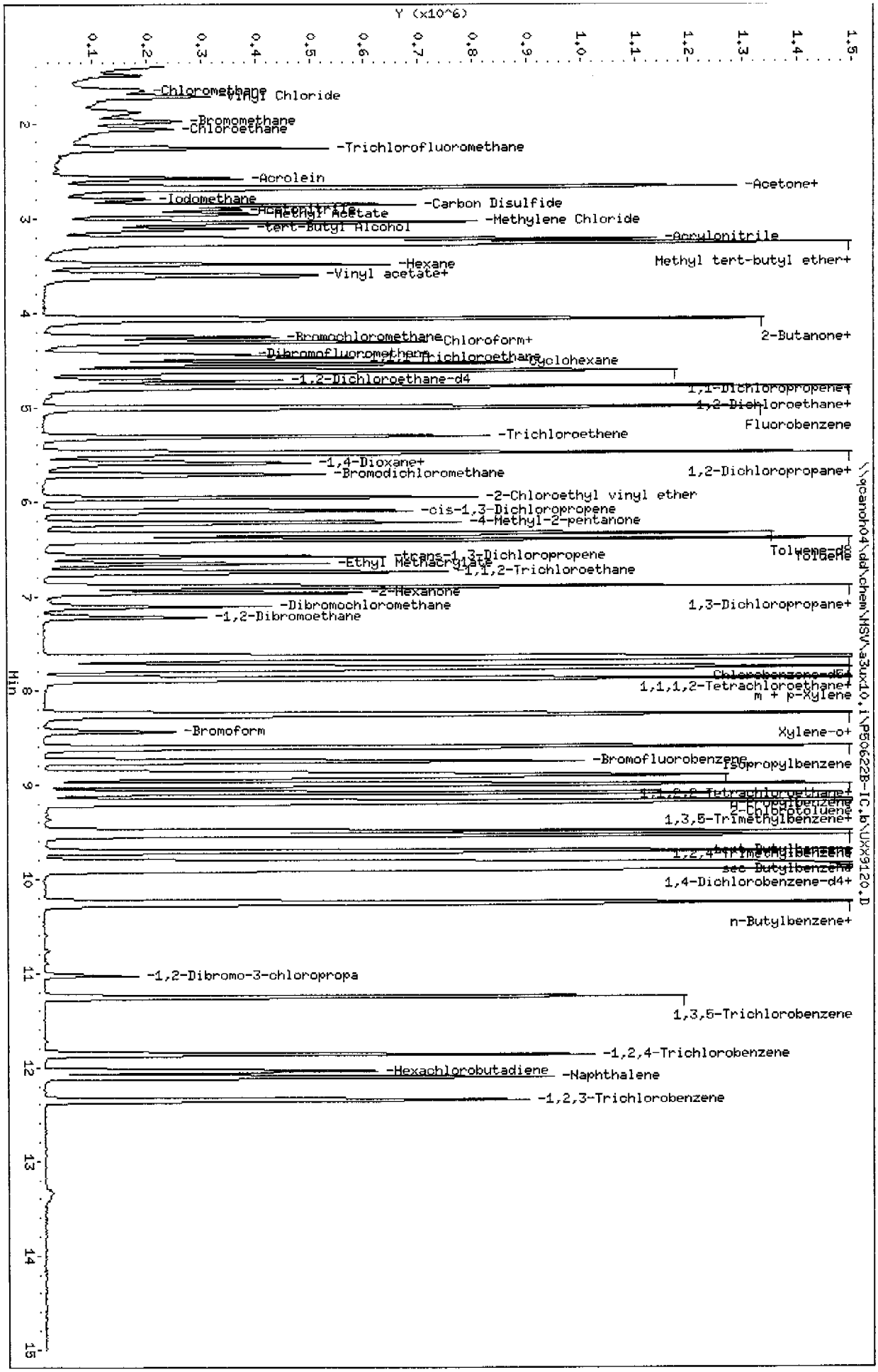
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
24 Methyl tert-butyl ether	73	3.265	3.265	(0.652)	782236	50.0000	50.666
25 trans-1,2-Dichloroethene	96	3.265	3.265	(0.652)	269746	50.0000	49.782
26 Hexane	86	3.490	3.490	(0.697)	59107	50.0000	59.662
27 Vinyl acetate	43	3.620	3.620	(0.723)	465736	50.0000	54.534
28 1,1-Dichloroethane	63	3.596	3.596	(0.719)	502472	50.0000	50.614
29 tert-Butyl Alcohol	59	3.111	3.111	(0.622)	440486	1000.00	931.05
30 2-Butanone	43	4.058	4.058	(0.811)	375906	100.000	95.978
32 cis-1,2-dichloroethene	96	4.058	4.058	(0.811)	292268	50.0000	51.115
33 2,2-Dichloropropane	77	4.069	4.069	(0.813)	306836	50.0000	55.134
34 Bromochloromethane	128	4.259	4.259	(0.851)	129585	50.0000	49.619
35 Chloroform	83	4.306	4.306	(0.861)	474472	50.0000	50.903
36 Tetrahydrofuran	42	4.294	4.294	(0.858)	90275	50.0000	47.400
37 1,1,1-Trichloroethane	97	4.484	4.484	(0.896)	382761	50.0000	54.729
38 1,1-Dichloropropene	75	4.614	4.614	(0.922)	377625	50.0000	54.655
39 Carbon Tetrachloride	117	4.626	4.626	(0.924)	277315	50.0000	55.126
40 1,2-Dichloroethane	62	4.779	4.779	(0.955)	400363	50.0000	50.464
41 Benzene	78	4.779	4.779	(0.955)	1145110	50.0000	50.894
42 Trichloroethene	130	5.312	5.312	(1.061)	280388	50.0000	50.973
43 1,2-Dichloropropane	63	5.489	5.489	(1.097)	294357	50.0000	51.254
44 1,4-Dioxane	88	5.608	5.608	(1.121)	130122	2500.00	2359.0(A)
45 Dibromomethane	93	5.596	5.596	(1.118)	158905	50.0000	51.232
46 Bromodichloromethane	83	5.714	5.714	(1.142)	345820	50.0000	49.481
47 2-Chloroethyl vinyl ether	63	5.963	5.963	(1.192)	349418	100.000	102.08
48 cis-1,3-Dichloropropene	75	6.105	6.105	(1.220)	420111	50.0000	51.380
49 4-Methyl-2-pentanone	43	6.223	6.223	(1.244)	564893	100.000	96.789
50 Toluene	91	6.401	6.401	(0.837)	1228750	50.0000	50.954
51 trans-1,3-Dichloropropene	75	6.578	6.578	(0.861)	335443	50.0000	51.131
52 Ethyl Methacrylate	69	6.661	6.661	(0.872)	315390	50.0000	52.478
53 1,1,2-Trichloroethane	97	6.744	6.744	(0.882)	231638	50.0000	49.847
54 1,3-Dichloropropane	76	6.897	6.897	(0.902)	446301	50.0000	49.944
55 Tetrachloroethene	164	6.909	6.909	(0.904)	223809	50.0000	52.225
56 2-Hexanone	43	6.957	6.957	(0.910)	477441	100.000	95.434
57 Dibromochloromethane	129	7.110	7.110	(0.930)	227371	50.0000	50.568
58 1,2-Dibromoethane	107	7.217	7.217	(0.944)	231234	50.0000	52.065
59 Chlorobenzene	112	7.678	7.678	(1.005)	764094	50.0000	49.514
60 1,1,1,2-Tetrachloroethane	131	7.749	7.749	(1.014)	222819	50.0000	51.116
61 Ethylbenzene	106	7.773	7.773	(1.017)	422945	50.0000	51.508
62 m + p-Xylene	106	7.880	7.880	(1.031)	1051292	100.000	102.48
64 Xylene-o	106	8.258	8.258	(1.081)	513926	50.0000	51.624
65 Styrene	104	8.270	8.270	(1.082)	893743	50.0000	50.896
66 Bromoform	173	8.448	8.448	(1.105)	135105	50.0000	49.660
67 Isopropylbenzene	105	8.601	8.601	(1.125)	1218036	50.0000	53.132
68 1,1,2,2-Tetrachloroethane	83	8.874	8.874	(0.898)	299046	50.0000	48.115
69 1,4-Dichloro-2-butene	53	8.933	8.933	(0.904)	83402	50.0000	52.187
70 1,2,3-Trichloropropane	110	8.921	8.921	(0.903)	97665	50.0000	48.086
71 Bromobenzene	156	8.897	8.897	(0.901)	328299	50.0000	50.814
72 n-Propylbenzene	120	9.004	9.004	(0.911)	348467	50.0000	51.673
73 2-Chlorotoluene	126	9.087	9.087	(0.920)	308116	50.0000	49.434
74 1,3,5-Trimethylbenzene	105	9.169	9.169	(0.928)	1077603	50.0000	51.862
75 4-Chlorotoluene	126	9.193	9.193	(0.931)	326040	50.0000	51.061
76 tert-Butylbenzene	119	9.489	9.489	(0.960)	910819	50.0000	52.337
77 1,2,4-Trimethylbenzene	105	9.536	9.536	(0.965)	1090649	50.0000	50.587
78 sec-Butylbenzene	105	9.702	9.702	(0.982)	1273762	50.0000	53.044
79 4-Isopropyltoluene	119	9.844	9.844	(0.996)	1056270	50.0000	51.516

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Report Date: 23-Jun-2005 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.820	9.820	(0.994)	607000	50.0000	49.002
81	1,4-Dichlorobenzene	146	9.903	9.903	(1.002)	632633	50.0000	47.896
82	n-Butylbenzene	91	10.246	10.246	(1.037)	978878	50.0000	52.356
83	1,2-Dichlorobenzene	146	10.270	10.270	(1.040)	588952	50.0000	48.663
84	1,2-Dibromo-3-chloropropane	157	11.027	11.027	(1.116)	48836	50.0000	48.848
85	1,2,4-Trichlorobenzene	180	11.867	11.867	(1.201)	404624	50.0000	50.114
86	Hexachlorobutadiene	225	12.045	12.045	(1.219)	145455	50.0000	49.376
87	Naphthalene	128	12.104	12.104	(1.225)	839143	50.0000	48.094
88	1,2,3-Trichlorobenzene	180	12.352	12.352	(1.250)	351973	50.0000	47.796
98	Cyclohexane	56	4.543	4.543	(0.908)	435751	50.0000	56.228
143	Methyl Acetate	43	2.957	2.957	(0.591)	507198	100.000	97.338(A)
144	Methylcyclohexane	83	5.489	5.489	(1.097)	390392	50.0000	57.587(A)
141	1,3,5-Trichlorobenzene	180	11.252	11.252	(1.139)	429412	50.0000	48.734(A)

QC Flag Legend

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Date : 22-JUN-2005 17:29
Client ID:
Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Report Date: 23-Jun-2005 08:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Lab Smp Id: 25NG-IC
Inj Date : 22-JUN-2005 17:54
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 25NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:22 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 17:04 Cal File: UXX9119.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	5.002	5.002	(1.000)	1270042	50.0000	
* 2	Chlorobenzene-d5	117	7.652	7.652	(1.000)	905727	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	468624	50.0000	
$ 4	Dibromofluoromethane	113	4.446	4.446	(0.889)	114589	25.0000	23.503
$ 5	1,2-Dichloroethane-d4	65	4.718	4.718	(0.943)	162152	25.0000	25.016
$ 6	Toluene-d8	98	6.351	6.351	(0.830)	478211	25.0000	24.535
$ 7	Bromofluorobenzene	95	8.753	8.753	(1.144)	183312	25.0000	25.033
8	Dichlorodifluoromethane	85	1.487	1.487	(0.297)	110094	25.0000	28.404
9	Chloromethane	50	1.665	1.665	(0.333)	198475	25.0000	25.736
10	Vinyl Chloride	62	1.712	1.712	(0.342)	159682	25.0000	26.130
11	Bromomethane	94	1.973	1.973	(0.394)	90172	25.0000	23.780
12	Chloroethane	64	2.055	2.055	(0.411)	109550	25.0000	25.262
13	Trichlorofluoromethane	101	2.257	2.257	(0.451)	204822	25.0000	26.080
15	Acrolein	56	2.576	2.576	(0.515)	188222	250.000	257.96
16	Acetone	43	2.694	2.694	(0.539)	163627	50.0000	35.048
17	1,1-Dichloroethene	96	2.671	2.671	(0.534)	123763	25.0000	24.004
18	Freon-113	151	2.671	2.671	(0.534)	83619	25.0000	23.797
19	Iodomethane	142	2.801	2.801	(0.560)	121069	25.0000	25.312
20	Carbon Disulfide	76	2.860	2.860	(0.572)	472845	25.0000	24.410
21	Methylene Chloride	84	3.049	3.049	(0.610)	260415	25.0000	24.540
22	Acetonitrile	41	2.907	2.907	(0.581)	215759	250.000	237.71
23	Acrylonitrile	53	3.227	3.227	(0.645)	508557	250.000	239.68

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Report Date: 23-Jun-2005 08:22

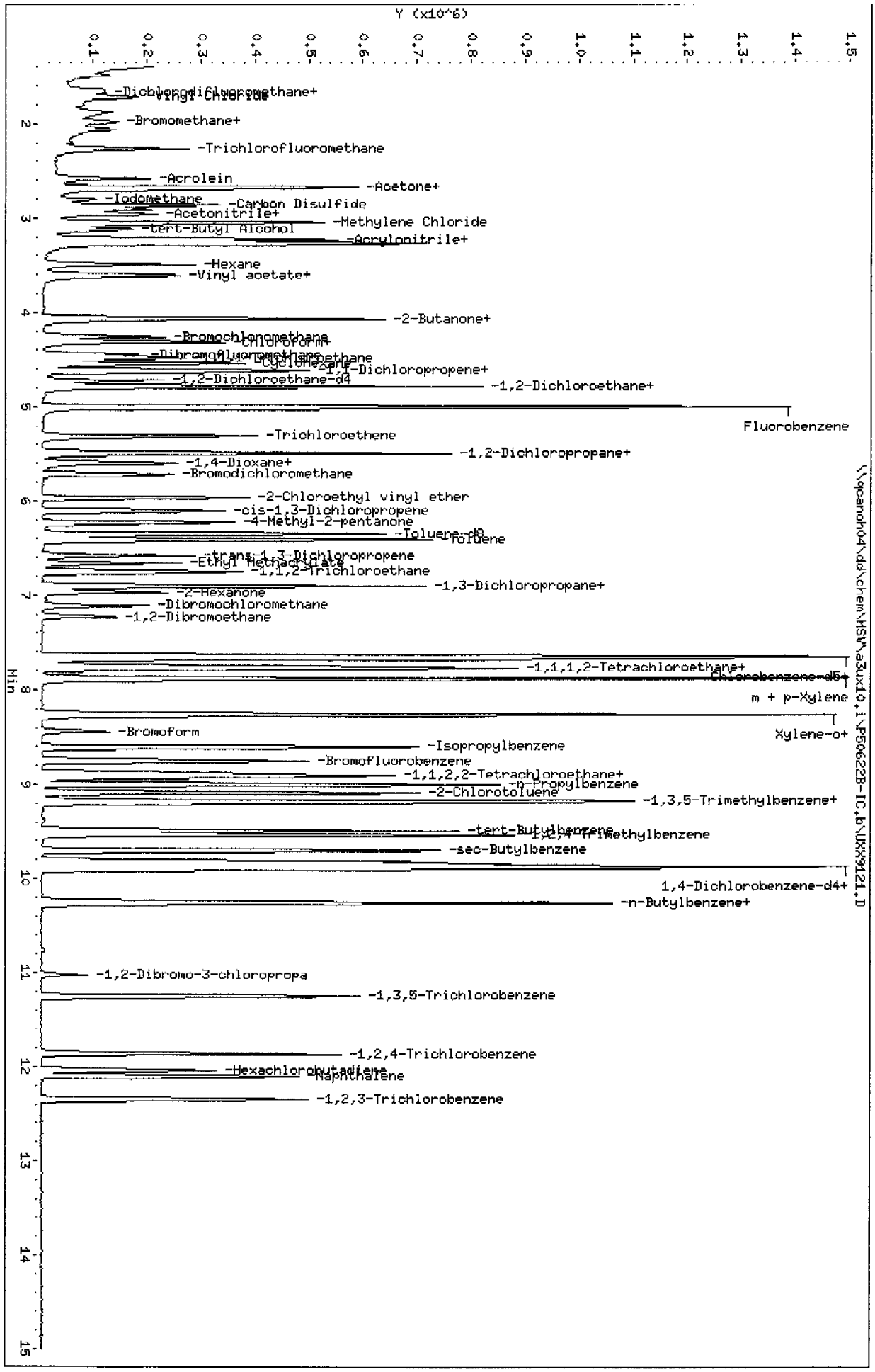
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.262	3.262	(0.652)	367895	25.0000	24.121
25 trans-1,2-Dichloroethene	96	3.274	3.274	(0.655)	133854	25.0000	25.005
26 Hexane	86	3.487	3.487	(0.697)	22307	25.0000	22.792
27 Vinyl acetate	43	3.629	3.629	(0.726)	207996	25.0000	24.653
28 1,1-Dichloroethane	63	3.594	3.594	(0.719)	241221	25.0000	24.596
29 tert-Butyl Alcohol	59	3.120	3.120	(0.624)	207118	500.000	424.58
30 2-Butanone	43	4.055	4.055	(0.811)	148725	50.0000	38.438
32 cis-1,2-dichloroethene	96	4.067	4.067	(0.813)	139471	25.0000	24.691
33 2,2-Dichloropropane	77	4.067	4.067	(0.813)	135832	25.0000	24.706
34 Bromochloromethane	128	4.256	4.256	(0.851)	62701	25.0000	24.302
35 Chloroform	83	4.315	4.315	(0.863)	228930	25.0000	24.861
36 Tetrahydrofuran	42	4.304	4.304	(0.860)	45009	25.0000	23.922
37 1,1,1-Trichloroethane	97	4.481	4.481	(0.896)	166883	25.0000	24.154
38 1,1-Dichloropropene	75	4.611	4.611	(0.922)	164895	25.0000	24.158
39 Carbon Tetrachloride	117	4.623	4.623	(0.924)	114995	25.0000	23.139
40 1,2-Dichloroethane	62	4.777	4.777	(0.955)	197190	25.0000	25.159
41 Benzene	78	4.777	4.777	(0.955)	550662	25.0000	24.774
42 Trichloroethene	130	5.309	5.309	(1.062)	135002	25.0000	24.843
43 1,2-Dichloropropane	63	5.487	5.487	(1.097)	142055	25.0000	25.038
44 1,4-Dioxane	88	5.605	5.605	(1.121)	67734	1250.00	1243.0(A)
45 Dibromomethane	93	5.593	5.593	(1.118)	76359	25.0000	24.920
46 Bromodichloromethane	83	5.712	5.712	(1.142)	168869	25.0000	24.458
47 2-Chloroethyl vinyl ether	63	5.960	5.960	(1.192)	171264	50.0000	50.649
48 cis-1,3-Dichloropropene	75	6.102	6.102	(1.220)	198284	25.0000	24.547
49 4-Methyl-2-pentanone	43	6.221	6.221	(1.244)	275013	50.0000	47.698
50 Toluene	91	6.410	6.410	(0.838)	588421	25.0000	24.604
51 trans-1,3-Dichloropropene	75	6.576	6.576	(0.859)	160025	25.0000	24.596
52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	144297	25.0000	24.210
53 1,1,2-Trichloroethane	97	6.741	6.741	(0.881)	117582	25.0000	25.514
54 1,3-Dichloropropane	76	6.895	6.895	(0.901)	221735	25.0000	25.020
55 Tetrachloroethene	164	6.907	6.907	(0.903)	101672	25.0000	23.922
56 2-Hexanone	43	6.966	6.966	(0.910)	199322	50.0000	40.174
57 Dibromochloromethane	129	7.108	7.108	(0.929)	106735	25.0000	23.936
58 1,2-Dibromoethane	107	7.226	7.226	(0.944)	110262	25.0000	25.034
59 Chlorobenzene	112	7.676	7.676	(1.003)	378886	25.0000	24.757
60 1,1,1,2-Tetrachloroethane	131	7.747	7.747	(1.012)	105242	25.0000	24.344
61 Ethylbenzene	106	7.771	7.771	(1.015)	205177	25.0000	25.196
62 m + p-Xylene	106	7.877	7.877	(1.029)	507192	50.0000	49.851
64 Xylene-o	106	8.256	8.256	(1.079)	246825	25.0000	25.000
65 Styrene	104	8.268	8.268	(1.080)	435043	25.0000	24.981
66 Bromoform	173	8.445	8.445	(1.104)	66339	25.0000	24.587
67 Isopropylbenzene	105	8.611	8.611	(1.125)	558312	25.0000	24.557
68 1,1,2,2-Tetrachloroethane	83	8.871	8.871	(0.898)	150488	25.0000	24.363
69 1,4-Dichloro-2-butene	53	8.930	8.930	(0.904)	36557	25.0000	23.017
70 1,2,3-Trichloropropane	110	8.918	8.918	(0.903)	52984	25.0000	26.249
71 Bromobenzene	156	8.907	8.907	(0.902)	157418	25.0000	24.516
72 n-Propylbenzene	120	9.001	9.001	(0.911)	164487	25.0000	24.543
73 2-Chlorotoluene	126	9.084	9.084	(0.920)	153987	25.0000	24.859
74 1,3,5-Trimethylbenzene	105	9.167	9.167	(0.928)	510137	25.0000	24.704
75 4-Chlorotoluene	126	9.191	9.191	(0.931)	162129	25.0000	25.549
76 tert-Butylbenzene	119	9.486	9.486	(0.960)	424838	25.0000	24.564
77 1,2,4-Trimethylbenzene	105	9.534	9.534	(0.965)	526567	25.0000	24.575
78 sec-Butylbenzene	105	9.699	9.699	(0.982)	592825	25.0000	24.841
79 4-Isopropyltoluene	119	9.841	9.841	(0.996)	504846	25.0000	24.775

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Report Date: 23-Jun-2005 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.818	9.818	(0.994)	305339	25.0000	24.803
81	1,4-Dichlorobenzene	146	9.901	9.901	(1.002)	324422	25.0000	24.714
82	n-Butylbenzene	91	10.244	10.244	(1.037)	459080	25.0000	24.707
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	295837	25.0000	24.596
84	1,2-Dibromo-3-chloropropane	157	11.025	11.025	(1.116)	23111	25.0000	23.260
85	1,2,4-Trichlorobenzene	180	11.865	11.865	(1.201)	195198	25.0000	24.326
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	72596	25.0000	24.797
87	Naphthalene	128	12.101	12.101	(1.225)	428731	25.0000	24.724
88	1,2,3-Trichlorobenzene	180	12.350	12.350	(1.250)	181014	25.0000	24.734
98	Cyclohexane	56	4.540	4.540	(0.908)	182038	25.0000	23.777
143	Methyl Acetate	43	2.955	2.955	(0.591)	251620	50.0000	48.881(A)
144	Methylcyclohexane	83	5.487	5.487	(1.097)	154772	25.0000	23.110(A)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	220878	25.0000	25.223(A)

QC Flag Legend

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



Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P506228-IC.b\UXX9121.D
Date : 22-JUN-2005 17:54
Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Report Date: 23-Jun-2005 08:52

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Lab Smp Id: 10NG-IC
Inj Date : 22-JUN-2005 18:18
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 10NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:52 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 17:29 Cal File: UXX9120.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	5.002	5.002	(1.000)	1292714	50.0000	
* 2	Chlorobenzene-d5	117	7.653	7.653	(1.000)	920443	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	462420	50.0000	
$ 4	Dibromofluoromethane	113	4.446	4.446	(0.889)	49051	10.0000	9.884
$ 5	1,2-Dichloroethane-d4	65	4.718	4.718	(0.943)	66774	10.0000	10.121
$ 6	Toluene-d8	98	6.351	6.351	(0.830)	198063	10.0000	9.999
$ 7	Bromofluorobenzene	95	8.753	8.753	(1.144)	77118	10.0000	10.363
8	Dichlorodifluoromethane	85	1.488	1.488	(0.298)	28246	10.0000	8.331
9	Chloromethane	50	1.630	1.630	(0.326)	80817	10.0000	10.296
10	Vinyl Chloride	62	1.713	1.713	(0.342)	54129	10.0000	8.702
11	Bromomethane	94	1.985	1.985	(0.397)	38104	10.0000	9.872
12	Chloroethane	64	2.056	2.056	(0.411)	39779	10.0000	9.012
13	Trichlorofluoromethane	101	2.257	2.257	(0.451)	73625	10.0000	9.210
15	Acrolein	56	2.577	2.577	(0.515)	74368	100.000	100.14
16	Acetone	43	2.695	2.695	(0.539)	121977	20.0000	21.422
17	1,1-Dichloroethene	96	2.671	2.671	(0.534)	49600	10.0000	9.451
18	Freon-113	151	2.671	2.671	(0.534)	34090	10.0000	9.532
19	Iodomethane	142	2.801	2.801	(0.560)	44916	10.0000	9.226
20	Carbon Disulfide	76	2.861	2.861	(0.572)	188261	10.0000	9.548
21	Methylene Chloride	84	3.050	3.050	(0.610)	166569	10.0000	9.415
22	Acetonitrile	41	2.908	2.908	(0.581)	99727	100.000	107.94
23	Acrylonitrile	53	3.227	3.227	(0.645)	207112	100.000	95.898

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Report Date: 23-Jun-2005 08:52

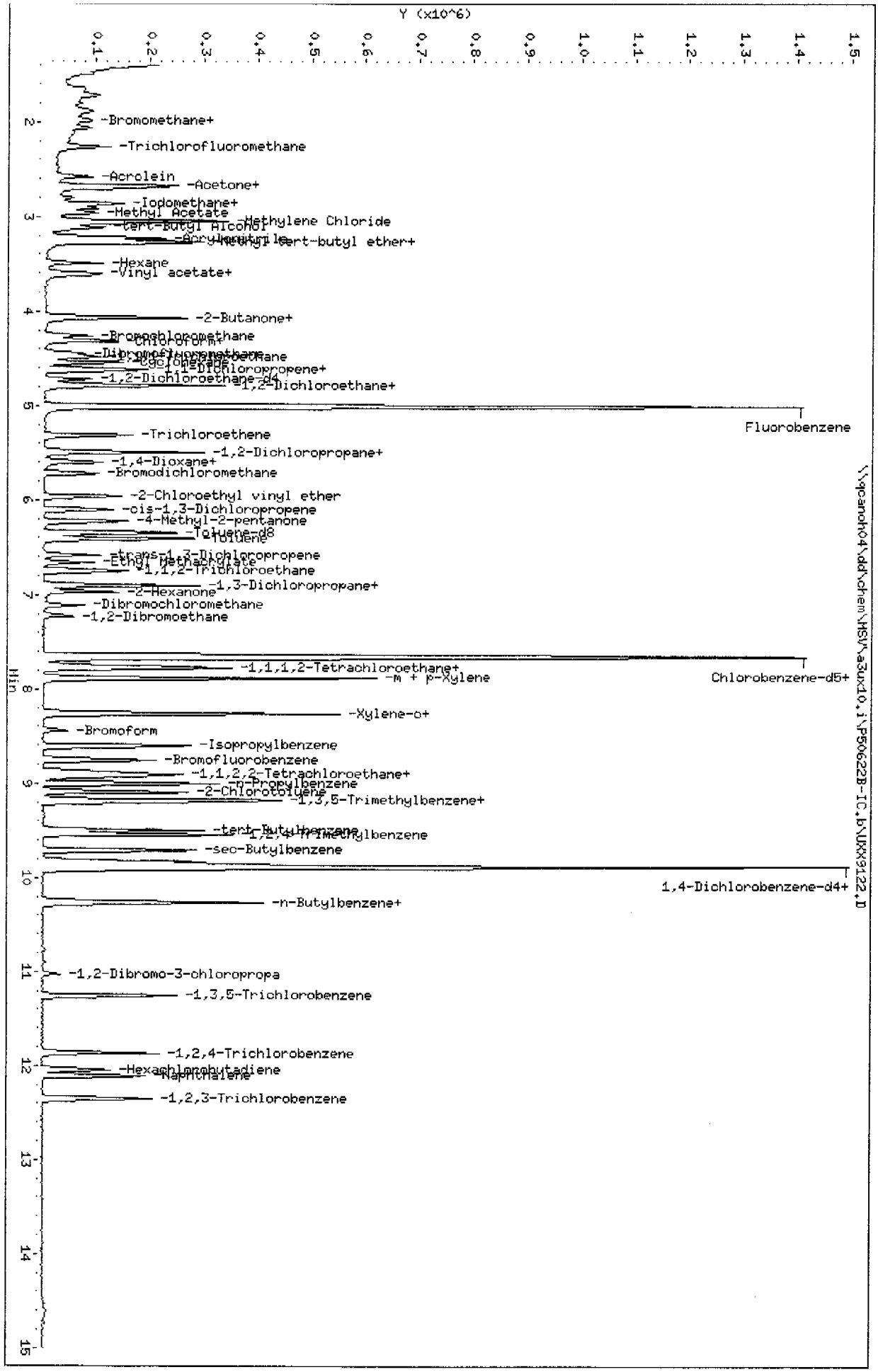
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.263	3.263	(0.652)	151923	10.0000	9.786
25 trans-1,2-Dichloroethene	96	3.263	3.263	(0.652)	51795	10.0000	9.506
26 Hexane	86	3.488	3.488	(0.697)	9606	10.0000	9.643
27 Vinyl acetate	43	3.618	3.618	(0.723)	75437	10.0000	8.784
28 1,1-Dichloroethane	63	3.594	3.594	(0.719)	101691	10.0000	10.187
29 tert-Butyl Alcohol	59	3.121	3.121	(0.624)	106079	200.000	196.04
30 2-Butanone	43	4.056	4.056	(0.811)	90807	20.0000	23.058
32 cis-1,2-dichloroethene	96	4.068	4.068	(0.813)	54689	10.0000	9.512
33 2,2-Dichloropropane	77	4.068	4.068	(0.813)	50409	10.0000	9.008
34 Bromochloromethane	128	4.257	4.257	(0.851)	27335	10.0000	10.409
35 Chloroform	83	4.316	4.316	(0.863)	94212	10.0000	10.052
36 Tetrahydrofuran	42	4.304	4.304	(0.860)	22129	10.0000	11.555
37 1,1,1-Trichloroethane	97	4.482	4.482	(0.896)	65422	10.0000	9.303
38 1,1-Dichloropropene	75	4.612	4.612	(0.922)	65146	10.0000	9.377
39 Carbon Tetrachloride	117	4.624	4.624	(0.924)	42636	10.0000	8.429
40 1,2-Dichloroethane	62	4.777	4.777	(0.955)	78151	10.0000	9.796
41 Benzene	78	4.777	4.777	(0.955)	221482	10.0000	9.790
42 Trichloroethene	130	5.310	5.310	(1.061)	52387	10.0000	9.471
43 1,2-Dichloropropane	63	5.487	5.487	(1.097)	54666	10.0000	9.466
44 1,4-Dioxane	88	5.606	5.606	(1.121)	29035	500.000	523.49(A)
45 Dibromomethane	93	5.594	5.594	(1.118)	29901	10.0000	9.587
46 Bromodichloromethane	83	5.712	5.712	(1.142)	69416	10.0000	9.878
47 2-Chloroethyl vinyl ether	63	5.961	5.961	(1.192)	63924	20.0000	18.573
48 cis-1,3-Dichloropropene	75	6.103	6.103	(1.220)	77734	10.0000	9.454
49 4-Methyl-2-pentanone	43	6.221	6.221	(1.244)	122682	20.0000	20.905
50 Toluene	91	6.410	6.410	(0.838)	239060	10.0000	9.836
51 trans-1,3-Dichloropropene	75	6.576	6.576	(0.859)	59181	10.0000	8.951
52 Ethyl Methacrylate	69	6.659	6.659	(0.870)	51774	10.0000	8.548
53 1,1,2-Trichloroethane	97	6.742	6.742	(0.881)	46108	10.0000	9.845
54 1,3-Dichloropropane	76	6.896	6.896	(0.901)	85427	10.0000	9.485
55 Tetrachloroethene	164	6.907	6.907	(0.903)	41180	10.0000	9.534
56 2-Hexanone	43	6.967	6.967	(0.910)	110989	20.0000	22.012
57 Dibromochloromethane	129	7.109	7.109	(0.929)	43823	10.0000	9.670
58 1,2-Dibromoethane	107	7.227	7.227	(0.944)	43858	10.0000	9.798
59 Chlorobenzene	112	7.677	7.677	(1.003)	152449	10.0000	9.802
60 1,1,1,2-Tetrachloroethane	131	7.748	7.748	(1.012)	39171	10.0000	8.916
61 Ethylbenzene	106	7.771	7.771	(1.015)	80580	10.0000	9.737
62 m + p-Xylene	106	7.878	7.878	(1.029)	196569	20.0000	19.012
64 Xylene-o	106	8.256	8.256	(1.079)	99508	10.0000	9.918
65 Styrene	104	8.268	8.268	(1.080)	170223	10.0000	9.618
66 Bromoform	173	8.446	8.446	(1.104)	24734	10.0000	9.021
67 Isopropylbenzene	105	8.599	8.599	(1.124)	215147	10.0000	9.312
68 1,1,2,2-Tetrachloroethane	83	8.872	8.872	(0.898)	60493	10.0000	9.925
69 1,4-Dichloro-2-butene	53	8.931	8.931	(0.904)	15356	10.0000	9.798
70 1,2,3-Trichloropropane	110	8.919	8.919	(0.903)	20257	10.0000	10.170
71 Bromobenzene	156	8.907	8.907	(0.902)	63731	10.0000	10.059
72 n-Propylbenzene	120	9.002	9.002	(0.911)	67256	10.0000	10.170
73 2-Chlorotoluene	126	9.085	9.085	(0.920)	61843	10.0000	10.118
74 1,3,5-Trimethylbenzene	105	9.167	9.167	(0.928)	200731	10.0000	9.851
75 4-Chlorotoluene	126	9.191	9.191	(0.931)	57671	10.0000	9.210
76 tert-Butylbenzene	119	9.487	9.487	(0.960)	166518	10.0000	9.757
77 1,2,4-Trimethylbenzene	105	9.534	9.534	(0.965)	216557	10.0000	10.242
78 sec-Butylbenzene	105	9.700	9.700	(0.982)	224098	10.0000	9.516
79 4-Isopropyltoluene	119	9.842	9.842	(0.996)	195810	10.0000	9.738

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Report Date: 23-Jun-2005 08:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.818	9.818	(0.994)	122854	10.0000	10.113
81	1,4-Dichlorobenzene	146	9.901	9.901	(1.002)	134702	10.0000	10.399
82	n-Butylbenzene	91	10.244	10.244	(1.037)	179865	10.0000	9.810
83	1,2-Dichlorobenzene	146	10.268	10.268	(1.040)	123347	10.0000	10.392
84	1,2-Dibromo-3-chloropropane	157	11.037	11.037	(1.117)	9353	10.0000	9.540
85	1,2,4-Trichlorobenzene	180	11.865	11.865	(1.201)	80213	10.0000	10.130
86	Hexachlorobutadiene	225	12.043	12.043	(1.219)	28978	10.0000	10.031
87	Naphthalene	128	12.102	12.102	(1.225)	182560	10.0000	10.669
88	1,2,3-Trichlorobenzene	180	12.350	12.350	(1.250)	74200	10.0000	10.275
98	Cyclohexane	56	4.541	4.541	(0.908)	71342	10.0000	9.155
143	Methyl Acetate	43	2.955	2.955	(0.591)	110976	20.0000	21.180(A)
144	Methylcyclohexane	83	5.487	5.487	(1.097)	61306	10.0000	8.994(A)
141	1,3,5-Trichlorobenzene	180	11.250	11.250	(1.139)	91462	10.0000	10.585(A)

QC Flag Legend

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



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Date : 22-JUN-2005 18:18
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10,i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Report Date: 23-Jun-2005 08:22

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Lab Smp Id: 5NG-IC
Inj Date : 22-JUN-2005 18:43
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 5NG-IC
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 08:22 a3ux10.i Quant Type: ISTD
Cal Date : 22-JUN-2005 18:18 Cal File: UXX9122.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	5.001	5.001	(1.000)	1266809	50.0000	
* 2	Chlorobenzene-d5	117	7.652	7.652	(1.000)	892952	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.876	9.876	(1.000)	453232	50.0000	
$ 4	Dibromofluoromethane	113	4.445	4.445	(0.889)	25223	5.00000	5.187
$ 5	1,2-Dichloroethane-d4	65	4.717	4.717	(0.943)	34046	5.00000	5.266
$ 6	Toluene-d8	98	6.350	6.350	(0.830)	93202	5.00000	4.850
$ 7	Bromofluorobenzene	95	8.752	8.752	(1.144)	35303	5.00000	4.890
8	Dichlorodifluoromethane	85	1.487	1.487	(0.297)	13777	5.00000	3.564
9	Chloromethane	50	1.629	1.629	(0.326)	38081	5.00000	4.950
10	Vinyl Chloride	62	1.712	1.712	(0.342)	26415	5.00000	4.333
11	Bromomethane	94	1.984	1.984	(0.397)	16324	5.00000	4.316
12	Chloroethane	64	2.055	2.055	(0.411)	16955	5.00000	3.920
13	Trichlorofluoromethane	101	2.256	2.256	(0.451)	32639	5.00000	4.166
15	Acrolein	56	2.575	2.575	(0.515)	35317	50.0000	48.526
16	Acetone	43	2.694	2.694	(0.539)	90655	10.0000	12.414
17	1,1-Dichloroethene	96	2.670	2.670	(0.534)	24823	5.00000	4.827
18	Freon-113	151	2.670	2.670	(0.534)	15106	5.00000	4.310
19	Iodomethane	142	2.800	2.800	(0.560)	19003	5.00000	3.983
20	Carbon Disulfide	76	2.859	2.859	(0.572)	91391	5.00000	4.730
21	Methylene Chloride	84	3.049	3.049	(0.610)	137316	5.00000	5.354
22	Acetonitrile	41	2.907	2.907	(0.581)	51253	50.0000	56.611
23	Acrylonitrile	53	3.226	3.226	(0.645)	120092	50.0000	56.742

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Report Date: 23-Jun-2005 08:22

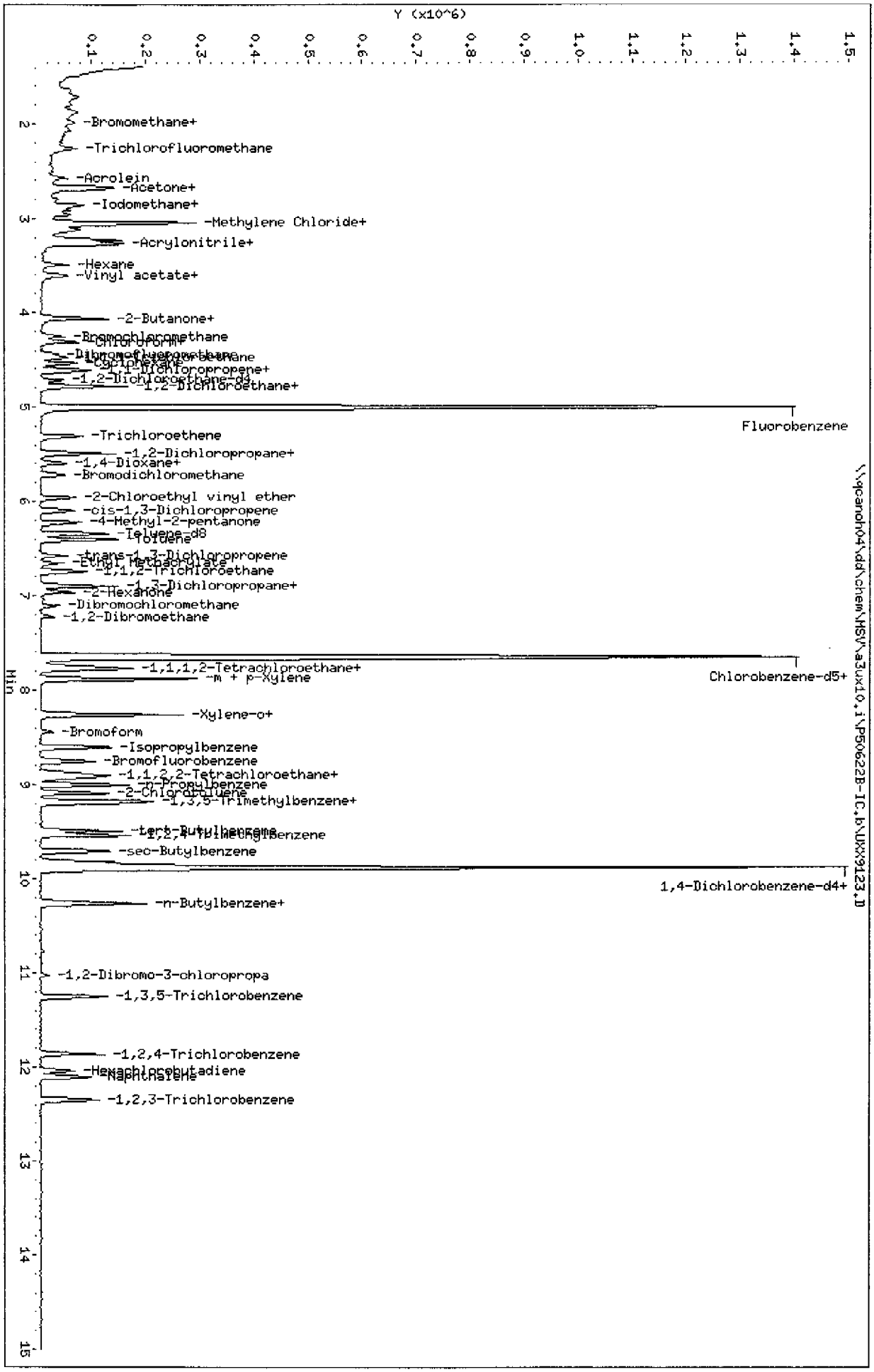
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.262	3.262	(0.652)	78392	5.00000	5.153
25 trans-1,2-Dichloroethene	96	3.274	3.274	(0.655)	27328	5.00000	5.118
26 Hexane	86	3.487	3.487	(0.697)	3880	5.00000	3.974
27 Vinyl acetate	43	3.629	3.629	(0.726)	33950	5.00000	4.034
28 1,1-Dichloroethane	63	3.605	3.605	(0.721)	47422	5.00000	4.848
29 tert-Butyl Alcohol	59	3.120	3.120	(0.624)	71452	100.000	123.67
30 2-Butanone	43	4.055	4.055	(0.811)	44480	10.0000	11.525
32 cis-1,2-dichloroethene	96	4.066	4.066	(0.813)	28307	5.00000	5.024
33 2,2-Dichloropropane	77	4.066	4.066	(0.813)	20852	5.00000	3.802
34 Bromochloromethane	128	4.256	4.256	(0.851)	13198	5.00000	5.128
35 Chloroform	83	4.315	4.315	(0.863)	43523	5.00000	4.738
36 Tetrahydrofuran	42	4.303	4.303	(0.860)	10565	5.00000	5.630
37 1,1,1-Trichloroethane	97	4.480	4.480	(0.896)	30635	5.00000	4.445
38 1,1-Dichloropropene	75	4.611	4.611	(0.922)	30799	5.00000	4.524
39 Carbon Tetrachloride	117	4.622	4.622	(0.924)	21348	5.00000	4.307
40 1,2-Dichloroethane	62	4.776	4.776	(0.955)	38120	5.00000	4.876
41 Benzene	78	4.776	4.776	(0.955)	109303	5.00000	4.930
42 Trichloroethene	130	5.309	5.309	(1.062)	27724	5.00000	5.115
43 1,2-Dichloropropane	63	5.486	5.486	(1.097)	27597	5.00000	4.876
44 1,4-Dioxane	88	5.605	5.605	(1.121)	15312	250.000	281.71(A)
45 Dibromomethane	93	5.593	5.593	(1.118)	14657	5.00000	4.796
46 Bromodichloromethane	83	5.723	5.723	(1.144)	34435	5.00000	5.000
47 2-Chloroethyl vinyl ether	63	5.960	5.960	(1.192)	30818	10.0000	9.137
48 cis-1,3-Dichloropropene	75	6.102	6.102	(1.220)	36824	5.00000	4.570
49 4-Methyl-2-pentanone	43	6.220	6.220	(1.244)	58722	10.0000	10.211
50 Toluene	91	6.409	6.409	(0.838)	117818	5.00000	4.997
51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	27778	5.00000	4.330
52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	24719	5.00000	4.207
53 1,1,2-Trichloroethane	97	6.741	6.741	(0.881)	23182	5.00000	5.102
54 1,3-Dichloropropane	76	6.894	6.894	(0.901)	45356	5.00000	5.191
55 Tetrachloroethene	164	6.906	6.906	(0.903)	21700	5.00000	5.179
56 2-Hexanone	43	6.965	6.965	(0.910)	52437	10.0000	10.720
57 Dibromochloromethane	129	7.107	7.107	(0.929)	21046	5.00000	4.787
58 1,2-Dibromoethane	107	7.226	7.226	(0.944)	19912	5.00000	4.585
59 Chlorobenzene	112	7.675	7.675	(1.003)	80378	5.00000	5.327
60 1,1,1,2-Tetrachloroethane	131	7.746	7.746	(1.012)	19230	5.00000	4.512
61 Ethylbenzene	106	7.770	7.770	(1.015)	38747	5.00000	4.826
62 m + p-Xylene	106	7.876	7.876	(1.029)	98975	10.0000	9.867
64 Xylene-o	106	8.255	8.255	(1.079)	44755	5.00000	4.598
65 Styrene	104	8.267	8.267	(1.080)	83357	5.00000	4.855
66 Bromoform	173	8.444	8.444	(1.104)	12489	5.00000	4.695
67 Isopropylbenzene	105	8.610	8.610	(1.125)	107121	5.00000	4.779
68 1,1,2,2-Tetrachloroethane	83	8.870	8.870	(0.898)	36119	5.00000	6.046
69 1,4-Dichloro-2-butene	53	8.930	8.930	(0.904)	7718	5.00000	5.024
70 1,2,3-Trichloropropane	110	8.930	8.930	(0.904)	11055	5.00000	5.663
71 Bromobenzene	156	8.906	8.906	(0.902)	32099	5.00000	5.169
72 n-Propylbenzene	120	9.001	9.001	(0.911)	31227	5.00000	4.818
73 2-Chlorotoluene	126	9.095	9.095	(0.921)	32602	5.00000	5.442
74 1,3,5-Trimethylbenzene	105	9.166	9.166	(0.928)	97943	5.00000	4.904
75 4-Chlorotoluene	126	9.190	9.190	(0.930)	32561	5.00000	5.305
76 tert-Butylbenzene	119	9.486	9.486	(0.960)	84499	5.00000	5.052
77 1,2,4-Trimethylbenzene	105	9.533	9.533	(0.965)	103547	5.00000	4.997
78 sec-Butylbenzene	105	9.711	9.711	(0.983)	109481	5.00000	4.743
79 4-Isopropyltoluene	119	9.841	9.841	(0.996)	96891	5.00000	4.916

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Report Date: 23-Jun-2005 08:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	64844	5.00000	5.446
81	1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	72349	5.00000	5.699
82	n-Butylbenzene	91	10.243	10.243	(1.037)	85366	5.00000	4.750
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	63322	5.00000	5.443
84	1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	5426	5.00000	5.646
85	1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	43826	5.00000	5.647
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	15867	5.00000	5.604
87	Naphthalene	128	12.101	12.101	(1.225)	94904	5.00000	5.659
88	1,2,3-Trichlorobenzene	180	12.349	12.349	(1.250)	43237	5.00000	6.108
98	Cyclohexane	56	4.540	4.540	(0.908)	32800	5.00000	4.295(a)
143	Methyl Acetate	43	2.954	2.954	(0.591)	54816	10.0000	10.676(A)
144	Methylcyclohexane	83	5.486	5.486	(1.097)	28108	5.00000	4.208(aA)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	45584	5.00000	5.382(A)

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.



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Date : 22-JUN-2005 18:43
Client ID:
Sample Info: 5NC-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Lab Smp Id: ICV
Inj Date : 22-JUN-2005 19:08
Operator : 1904 Inst ID: a3ux10.i
Smp Info : ICV
Misc Info : P50622B-IC,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Meth Date : 23-Jun-2005 10:25 quayler Quant Type: ISTD
Cal Date : 22-JUN-2005 17:29 Cal File: UXX9120.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV02

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.002	5.004	(1.000)	1290745	50.0000	
* 2	Chlorobenzene-d5	117	7.653	7.643	(1.000)	916582	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.878	9.879	(1.000)	470830	50.0000	
$ 4	Dibromofluoromethane	113	4.446	4.436	(0.889)	239152	48.2659	9.653
$ 5	1,2-Dichloroethane-d4	65	4.719	4.720	(0.943)	329106	49.9594	9.992
$ 6	Toluene-d8	98	6.340	6.341	(0.828)	997837	50.5894	10.118
$ 7	Bromofluorobenzene	95	8.753	8.755	(1.144)	366951	49.5172	9.903
8	Dichlorodifluoromethane	85	1.488	1.490	(0.298)	248400	61.5386	12.308
9	Chloromethane	50	1.654	1.656	(0.331)	409861	52.2946	10.459
10	Vinyl Chloride	62	1.713	1.715	(0.342)	367444	59.1628	11.832
11	Bromomethane	94	1.973	1.975	(0.395)	178256	46.2551	9.251
12	Chloroethane	64	2.056	2.058	(0.411)	241290	54.7481	10.950
13	Trichlorofluoromethane	101	2.257	2.259	(0.451)	520741	65.2416	13.048
15	Acrolein	56	2.577	2.579	(0.515)	445231	600.409	120.08
16	Acetone	43	2.695	2.697	(0.539)	166818	35.2082	7.042
17	1,1-Dichloroethene	96	2.671	2.673	(0.534)	287482	54.8639	10.973
18	Freon-113	151	2.671	2.673	(0.534)	245029	68.6151	13.723
19	Iodomethane	142	2.813	2.803	(0.562)	17664	3.63374	0.7267
20	Carbon Disulfide	76	2.861	2.863	(0.572)	999028	50.7470	10.149
21	Methylene Chloride	84	3.050	3.052	(0.610)	428814	49.7870	9.957
22	Acetonitrile	41	2.908	2.910	(0.581)	441049	478.121	95.624
23	Acrylonitrile	53	3.216	3.217	(0.643)	1043109	483.721	96.744

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.263	3.265	(0.652)	761384	49.1189	9.824
	25 trans-1,2-Dichloroethene	96	3.263	3.265	(0.652)	270889	49.7932	9.959
	26 Hexane	86	3.488	3.490	(0.697)	64659	65.0060	13.001
	27 Vinyl acetate	43	3.488	3.620	(0.697)	251268	29.3040	5.861
	28 1,1-Dichloroethane	63	3.594	3.596	(0.719)	497460	49.9095	9.982
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.056	4.058	(0.811)	140594	35.7541	7.151
M	31 1,2-Dichloroethene (total)	96				555086	99.2988	19.860
	32 cis-1,2-dichloroethene	96	4.068	4.058	(0.813)	284197	49.5056	9.901
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.316	4.306	(0.863)	463240	49.4994	9.900
	36 Tetrahydrofuran	42	4.316	4.294	(0.863)	3813	1.99406	0.3988
	37 1,1,1-Trichloroethane	97	4.482	4.484	(0.896)	360709	51.3700	10.274
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.624	4.626	(0.924)	263336	52.1389	10.428
	40 1,2-Dichloroethane	62	4.778	4.779	(0.955)	387954	48.7048	9.741
	41 Benzene	78	4.778	4.779	(0.955)	1119386	49.5527	9.910
	42 Trichloroethene	130	5.310	5.312	(1.061)	270310	48.9454	9.789
	43 1,2-Dichloropropane	63	5.488	5.489	(1.097)	289114	50.1404	10.028
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.712	5.714	(1.142)	328303	46.7870	9.357
	47 2-Chloroethyl vinyl ether	63	5.961	5.963	(1.192)	168882	49.1432	9.829
	48 cis-1,3-Dichloropropene	75	6.103	6.105	(1.220)	383002	46.6544	9.331
	49 4-Methyl-2-pentanone	43	6.221	6.223	(1.244)	277846	47.4166	9.483
	50 Toluene	91	6.411	6.401	(0.838)	1205482	49.8088	9.962
	51 trans-1,3-Dichloropropene	75	6.576	6.578	(0.859)	314597	47.7808	9.556
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.742	6.744	(0.881)	231945	49.7330	9.947
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.908	6.909	(0.903)	218975	50.9126	10.182
	56 2-Hexanone	43	6.967	6.957	(0.910)	186379	37.1203	7.424
	57 Dibromochloromethane	129	7.109	7.110	(0.929)	206441	45.7480	9.150
	58 1,2-Dibromoethane	107	7.215	7.217	(0.943)	221890	49.7809	9.956
	59 Chlorobenzene	112	7.677	7.678	(1.003)	761233	49.1505	9.830
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.771	7.773	(1.015)	414958	50.3534	10.071
	62 m + p-Xylene	106	7.878	7.880	(1.029)	1025479	99.5998	19.920
M	63 Xylenes (total)	106				1514463	148.541	29.708
	64 Xylene-o	106	8.257	8.258	(1.079)	488984	48.9415	9.788
	65 Styrene	104	8.268	8.270	(1.080)	840350	47.6830	9.536
	66 Bromoform	173	8.446	8.448	(1.104)	127768	46.7940	9.359
	67 Isopropylbenzene	105	8.600	8.601	(1.124)	1224135	53.2061	10.641
	68 1,1,2,2-Tetrachloroethane	83	8.872	8.874	(0.898)	285481	46.0015	9.200
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	9.818	9.820	(0.994)	588656	47.5928	9.518
81	1,4-Dichlorobenzene	146	9.901	9.903	(1.002)	619553	46.9760	9.395
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	10.268	10.270	(1.040)	560940	46.4176	9.284
84	1,2-Dibromo-3-chloropropane	157	11.025	11.027	(1.116)	38446	38.5134	7.703
85	1,2,4-Trichlorobenzene	180	11.866	11.867	(1.201)	350879	43.5226	8.704
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	12.102	12.104	(1.225)	14826	0.85100	0.1702
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	4.541	4.543	(0.908)	463602	59.5833	11.917
143	Methyl Acetate	43	2.955	2.957	(0.591)	242041	46.2658	9.253(A)
144	Methylcyclohexane	83	5.488	5.489	(1.097)	408057	59.9531	11.991(A)
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

STL North Canton

RECOVERY REPORT

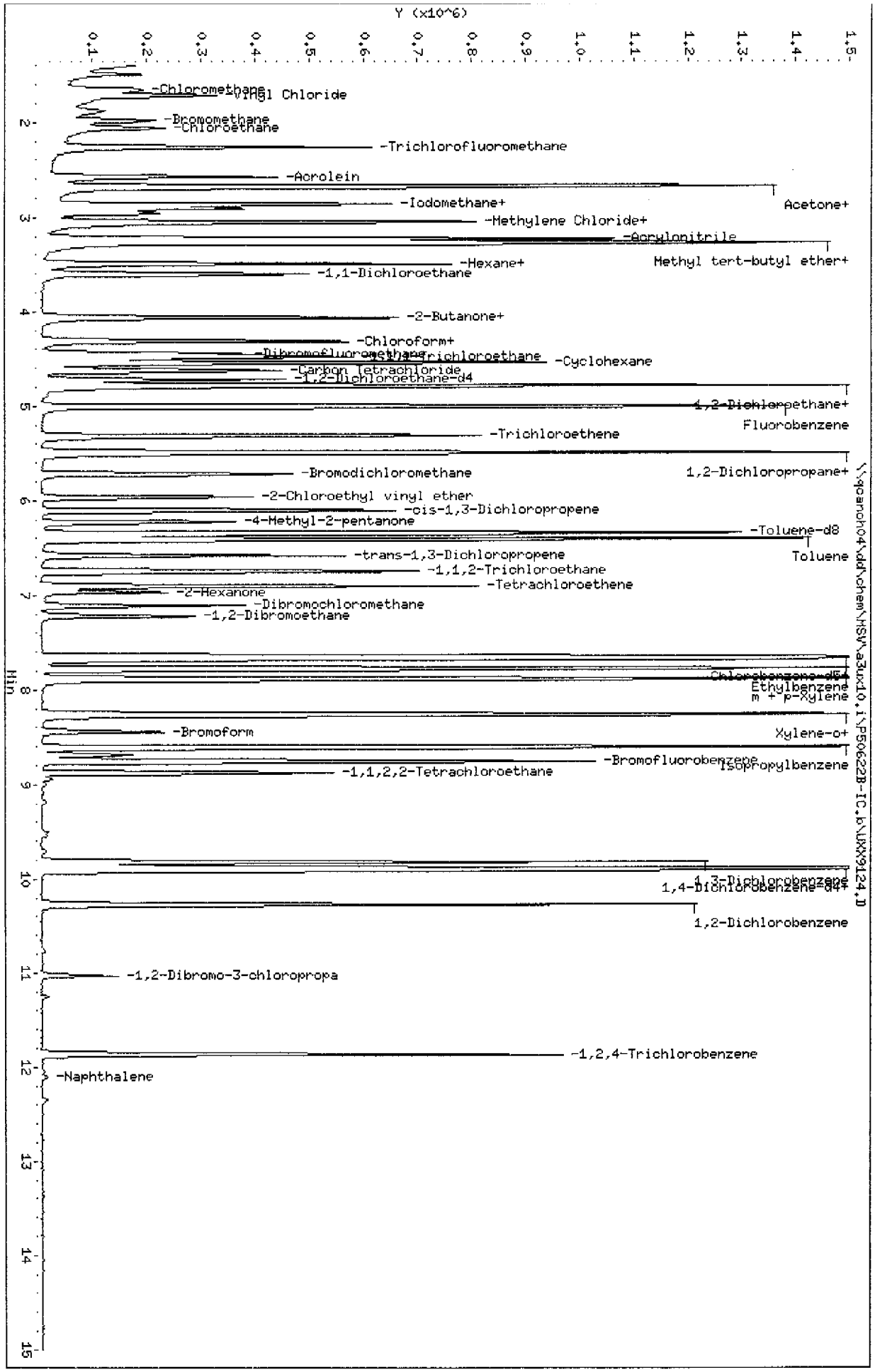
Client Name:
Client SDG: SDGa00932
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ICV
Level: LOW
Operator: 1904
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: plexus-ck.spk
Quant Type: ISTD
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\8260LLUX10.m
Misc Info: P50622B-IC,8260LLUX10,2-8260.SUB,1904,3

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17	1,1-Dichloroethene	10.000	10.973	109.73	45-155
	42	Trichloroethene	10.000	9.789	97.89	45-155
	59	Chlorobenzene	10.000	9.830	98.30	45-155
	50	Toluene	10.000	9.962	99.62	45-155
	41	Benzene	10.000	9.910	99.11	45-155
	16	Acetone	10.000	7.042	70.42	45-155
	20	Carbon Disulfide	10.000	10.149	101.49	45-155
	9	Chloromethane	10.000	10.459	104.59	45-155
	11	Bromomethane	10.000	9.251	92.51	45-155
	10	Vinyl Chloride	10.000	11.832	118.33	45-155
	12	Chloroethane	10.000	10.950	109.50	45-155
	21	Methylene Chloride	10.000	9.957	99.57	45-155
	28	1,1-Dichloroethane	10.000	9.982	99.82	45-155
M	31	1,2-Dichloroethene	20.000	19.860	99.30	45-155
	35	Chloroform	10.000	9.900	99.00	45-155
	40	1,2-Dichloroethane	10.000	9.741	97.41	45-155
	30	2-Butanone	10.000	7.151	71.51	45-155
	37	1,1,1-Trichloroeth	10.000	10.274	102.74	45-155
	39	Carbon Tetrachlori	10.000	10.428	104.28	45-155
	46	Bromodichlorometha	10.000	9.357	93.57	45-155
	43	1,2-Dichloropropan	10.000	10.028	100.28	45-155
	48	cis-1,3-Dichloropr	10.000	9.331	93.31	45-155
	57	Dibromochlorometha	10.000	9.150	91.50	45-155
	53	1,1,2-Trichloroeth	10.000	9.947	99.47	45-155
	51	trans-1,3-Dichloro	10.000	9.556	95.56	45-155
	66	Bromoform	10.000	9.359	93.59	45-155
	49	4-Methyl-2-pentano	10.000	9.483	94.83	45-155
	56	2-Hexanone	10.000	7.424	74.24	45-155
	55	Tetrachloroethene	10.000	10.182	101.83	45-155
	68	1,1,2,2-Tetrachlor	10.000	9.200	92.00	45-155
	61	Ethylbenzene	10.000	10.071	100.71	45-155
	65	Styrene	10.000	9.536	95.37	45-155
	62	m + p-Xylene	20.000	19.920	99.60	45-155
M	63	Xylenes (total)	30.000	29.708	99.03	45-155
	64	Xylene-o	10.000	9.788	97.88	45-155
	32	cis-1,2-dichloroet	10.000	9.901	99.01	45-155
	25	trans-1,2-Dichloro	10.000	9.959	99.59	45-155
	8	Dichlorodifluorome	10.000	12.308	123.08	45-155
	13	Trichlorofluoromet	10.000	13.048	130.48	45-155
	18	Freon-113	10.000	13.723	137.23	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9124.D
Report Date: 23-Jun-2005 15:06

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
24	Methyl tert-butyl	10.000	9.824	98.24	45-155
58	1,2-Dibromoethane	10.000	9.956	99.56	45-155
67	Isopropylbenzene	10.000	10.641	106.41	45-155
80	1,3-Dichlorobenzen	10.000	9.518	95.19	45-155
81	1,4-Dichlorobenzen	10.000	9.395	93.95	45-155
83	1,2-Dichlorobenzen	10.000	9.284	92.84	45-155
84	1,2-Dibromo-3-chlo	10.000	7.703	77.03	45-155
85	1,2,4-Trichloroben	10.000	8.704	87.05	45-155
98	Cyclohexane	10.000	11.917	119.17	45-155
143	Methyl Acetate	10.000	9.253	92.53	45-155
144	Methylcyclohexane	10.000	11.991	119.91	45-155

	SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4	Dibromofluorometha	10.000	9.653	96.53	73-122
$ 5	1,2-Dichloroethane	10.000	9.992	99.92	61-128
$ 6	Toluene-d8	10.000	10.118	101.18	76-110
$ 7	Bromofluorobenzene	10.000	9.903	99.03	74-116



Data File: \\qcanch04\dd\chem\MSV\a3ux10.i\P506228-IC.b\UXX9124.D
Date : 22-JUN-2005 19:03
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Start Cal Date: 22-JUN-2005 16:39
End Cal Date : 23-JUN-2005 07:34
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
23-JUN-2005 07:34	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9152.D
22-JUN-2005 18:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9123.D
Cal Level: 2 , Cal Amount: 10.00000		
23-JUN-2005 07:09	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9151.D
22-JUN-2005 18:18	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9122.D
Cal Level: 3 , Cal Amount: 25.00000		
23-JUN-2005 06:45	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9150.D
22-JUN-2005 17:54	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9121.D
Cal Level: 4 , Cal Amount: 50.00000		
23-JUN-2005 06:20	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9149.D
22-JUN-2005 17:29	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9120.D
Cal Level: 5 , Cal Amount: 100.00000		
23-JUN-2005 05:55	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9148.D
22-JUN-2005 17:04	2-8260	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\UXX9119.D
Cal Level: 6 , Cal Amount: 200.00000		
23-JUN-2005 05:30	7-IX+	\\qcanoh04\dd\chem\MSV\a3ux10.i\P50623A-IC.b\UXX9147.D
22-JUN-2005 16:39	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

11-JUL-2005 22:29	2-8260	
\\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D		

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D
Report Date: 11-Jul-2005 22:45

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 11-JUL-2005 22:29
Lab File ID: UXX9731.D Init. Cal. Date(s): 22-JUN-2005 23-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:39 07:34
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.19194	0.20103	0.20103	0.010	-4.73430	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.25518	0.24383	0.24383	0.010	4.44785	50.00000	Averaged	
$ 6 Toluene-d8	1.07597	1.07799	1.07799	0.010	-0.18853	50.00000	Averaged	
$ 7 Bromofluorobenzene	50.00000	49.64551	0.40040	0.010	0.70899	0.000e+000	Wt Linear	
8 Dichlorodifluoromethane	50.00000	49.44922	0.15369	0.010	1.10156	0.000e+000	Wt Linear	
9 Chloromethane	0.30361	0.21071	0.21071	0.100	30.59670	50.00000	Averaged	
10 Vinyl Chloride	0.24059	0.23338	0.23338	0.010	2.99730	20.00000	Averaged	
11 Bromomethane	0.14928	0.10402	0.10402	0.010	30.32269	50.00000	Averaged	
12 Chloroethane	0.17073	0.18927	0.18927	0.010	-10.86422	50.00000	Averaged	
13 Trichlorofluoromethane	0.30919	0.41874	0.41874	0.010	-35.43077	50.00000	Averaged	
15 Acrolein	0.02873	0.02473	0.02473	0.010	13.89804	50.00000	Averaged	
16 Acetone	100	92.61457	0.13725	0.010	7.38543	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.20298	0.19088	0.19088	0.010	5.95987	20.00000	Averaged	
18 Freon-113	0.13833	0.15986	0.15986	0.010	-15.56139	50.00000	Averaged	
19 Iodomethane	0.18831	0.05301	0.05301	0.010	71.84643	50.00000	Averaged	<-
20 Carbon Disulfide	0.76260	0.64148	0.64148	0.010	15.88274	50.00000	Averaged	
21 Methylene Chloride	50.00000	34.05425	0.25297	0.010	31.89151	0.000e+000	Wt Linear	
22 Acetonitrile	0.03573	0.03297	0.03297	0.010	7.73696	50.00000	Averaged	
23 Acrylonitrile	0.08353	0.08985	0.08985	0.010	-7.56635	50.00000	Averaged	
24 Methyl tert-butyl ether	0.60046	0.60269	0.60269	0.010	-0.37056	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.21074	0.22312	0.22312	0.010	-5.87192	50.00000	Averaged	
26 Hexane	0.03853	0.04342	0.04342	0.010	-12.67818	20.00000	Averaged	
27 Vinyl acetate	0.33215	0.20951	0.20951	0.010	36.92469	50.00000	Averaged	
28 1,1-Dichloroethane	0.38610	0.36643	0.36643	0.100	5.09517	50.00000	Averaged	
29 tert-Butyl Alcohol	1000	1041	0.01909	0.010	-4.14458	0.000e+000	Wt Linear	
30 2-Butanone	0.15232	0.15272	0.15272	0.010	-0.26136	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.21656	0.22615	0.22615	0.010	-4.42771	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.22238	0.22918	0.22918	0.010	-3.05870	50.00000	Averaged	
33 2,2-Dichloropropane	0.21645	0.17882	0.17882	0.010	17.38213	50.00000	Averaged	
34 Bromochloromethane	0.10157	0.11498	0.11498	0.010	-13.19944	50.00000	Averaged	
35 Chloroform	0.36252	0.36641	0.36641	0.010	-1.07177	20.00000	Averaged	
36 Tetrahydrofuran	0.07407	0.06055	0.06055	0.010	18.25227	50.00000	Averaged	
37 1,1,1-Trichloroethane	0.27201	0.28960	0.28960	0.010	-6.46677	50.00000	Averaged	
38 1,1-Dichloropropene	0.26872	0.25586	0.25586	0.010	4.78664	50.00000	Averaged	
39 Carbon Tetrachloride	0.19565	0.22274	0.22274	0.010	-13.84751	50.00000	Averaged	
40 1,2-Dichloroethane	0.30856	0.30510	0.30510	0.010	1.12201	50.00000	Averaged	
41 Benzene	0.87507	0.89360	0.89360	0.010	-2.11722	50.00000	Averaged	
42 Trichloroethene	0.21393	0.24717	0.24717	0.010	-15.53577	50.00000	Averaged	
43 1,2-Dichloropropane	0.22336	0.22175	0.22175	0.010	0.72203	20.00000	Averaged	
44 1,4-Dioxane	0.00215	0.00230	0.00230	0.010	-7.00977	50.00000	Averaged	<-
45 Dibromomethane	0.12063	0.12796	0.12796	0.010	-6.07390	50.00000	Averaged	
46 Bromodichloromethane	0.27182	0.26788	0.26788	0.010	1.44803	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.13312	0.13601	0.13601	0.010	-2.16594	50.00000	Averaged	

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Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D
Report Date: 11-Jul-2005 22:45

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 11-JUL-2005 22:29
Lab File ID: UXX9731.D Init. Cal. Date(s): 22-JUN-2005 23-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:39 07:34
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	0.31801	0.30333	0.30333	0.010	4.61643	50.00000	Averaged
49 4-Methyl-2-pentanone	0.22699	0.21889	0.21889	0.010	3.56875	50.00000	Averaged
50 Toluene	1.32024	1.30052	1.30052	0.010	1.49358	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.35917	0.31926	0.31926	0.010	11.11219	50.00000	Averaged
52 Ethyl Methacrylate	0.32903	0.31357	0.31357	0.010	4.70071	50.00000	Averaged
53 1,1,2-Trichloroethane	0.25441	0.25424	0.25424	0.010	0.06714	50.00000	Averaged
54 1,3-Dichloropropane	0.48923	0.44607	0.44607	0.010	8.82182	50.00000	Averaged
55 Tetrachloroethene	0.23462	0.26273	0.26273	0.010	-11.97928	50.00000	Averaged
56 2-Hexanone	0.27390	0.25306	0.25306	0.010	7.60526	50.00000	Averaged
57 Dibromochloromethane	0.24616	0.26325	0.26325	0.010	-6.93969	50.00000	Averaged
58 1,2-Dibromoethane	0.24315	0.25141	0.25141	0.010	-3.39840	50.00000	Averaged
59 Chlorobenzene	0.84487	0.86226	0.86226	0.300	-2.05813	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.23865	0.25845	0.25845	0.010	-8.29782	50.00000	Averaged
61 Ethylbenzene	0.44955	0.45434	0.45434	0.010	-1.06735	20.00000	Averaged
62 m + p-Xylene	0.56165	0.56619	0.56619	0.010	-0.80863	50.00000	Averaged
M 63 Xylenes (total)	0.55611	0.56135	0.56135	0.010	-0.94296	50.00000	Averaged
64 Xylene-o	0.54502	0.55167	0.55167	0.010	-1.21945	50.00000	Averaged
65 Styrene	0.96138	0.95521	0.95521	0.010	0.64156	50.00000	Averaged
66 Bromoform	0.14895	0.16854	0.16854	0.100	-13.15550	50.00000	Averaged
67 Isopropylbenzene	1.25507	1.28345	1.28345	0.010	-2.26185	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.65904	0.52447	0.52447	0.300	20.41872	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.16946	0.12193	0.12193	0.010	28.05071	50.00000	Averaged
70 1,2,3-Trichloropropane	0.21537	0.18364	0.18364	0.010	14.73005	50.00000	Averaged
71 Bromobenzene	0.68509	0.63751	0.63751	0.010	6.94517	50.00000	Averaged
72 n-Propylbenzene	0.71508	0.65958	0.65958	0.010	7.76227	50.00000	Averaged
73 2-Chlorotoluene	0.66091	0.58137	0.58137	0.010	12.03533	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.20328	1.92546	1.92546	0.010	12.60935	50.00000	Averaged
75 4-Chlorotoluene	0.67707	0.63449	0.63449	0.010	6.28895	50.00000	Averaged
76 tert-Butylbenzene	1.84534	1.66589	1.66589	0.010	9.72462	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.28612	1.95169	1.95169	0.010	14.62864	50.00000	Averaged
78 sec-Butylbenzene	2.54630	2.37617	2.37617	0.010	6.68140	50.00000	Averaged
79 4-Isopropyltoluene	2.17415	2.05172	2.05172	0.010	5.63118	50.00000	Averaged
80 1,3-Dichlorobenzene	1.31349	1.27473	1.27473	0.010	2.95086	50.00000	Averaged
81 1,4-Dichlorobenzene	1.40058	1.30153	1.30153	0.010	7.07202	50.00000	Averaged
82 n-Butylbenzene	1.98251	1.64159	1.64159	0.010	17.19615	50.00000	Averaged
83 1,2-Dichlorobenzene	1.28333	1.20357	1.20357	0.010	6.21566	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.10601	0.09859	0.09859	0.010	7.00065	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.85615	0.75516	0.75516	0.010	11.79599	50.00000	Averaged
86 Hexachlorobutadiene	0.31237	0.33645	0.33645	0.010	-7.70947	50.00000	Averaged
87 Naphthalene	1.85013	1.37719	1.37719	0.010	25.56231	50.00000	Averaged
88 1,2,3-Trichlorobenzene	0.78086	0.67529	0.67529	0.010	13.51966	50.00000	Averaged
98 Cyclohexane	0.30140	0.32457	0.32457	0.010	-7.68605	50.00000	Averaged
143 Methyl Acetate	0.20266	0.18725	0.18725	0.010	7.60409	50.00000	Averaged

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Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D
Report Date: 11-Jul-2005 22:45

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux10.i Injection Date: 11-JUL-2005 22:29
Lab File ID: UXX9731.D Init. Cal. Date(s): 22-JUN-2005 23-JUN-2005
Analysis Type: WATER Init. Cal. Times: 16:39 07:34
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.26366	0.32914	0.32914	0.010	-24.83654	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.93432	0.82155	0.82155	0.010	12.06894	50.00000	Averaged

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D
Report Date: 11-Jul-2005 22:45

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D
Lab Smp Id: 50NG-CC
Inj Date : 11-JUL-2005 22:29
Operator : 1904 Inst ID: a3ux10.i
Smp Info : 50NG-CC
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904,2
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 30 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.990	4.990	(1.000)	957975	50.0000	
*	2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	738781	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.877	9.877	(1.000)	435234	50.0000	
$	4 Dibromofluoromethane	113	4.433	4.433	(0.889)	192578	50.0000	52.367
$	5 1,2-Dichloroethane-d4	65	4.706	4.706	(0.943)	233584	50.0000	47.776
$	6 Toluene-d8	98	6.339	6.339	(0.828)	796402	50.0000	50.094
$	7 Bromofluorobenzene	95	8.752	8.752	(1.144)	295805	50.0000	49.646
	8 Dichlorodifluoromethane	85	1.487	1.487	(0.298)	147227	50.0000	49.449
	9 Chloromethane	50	1.629	1.629	(0.327)	201857	50.0000	34.702
	10 Vinyl Chloride	62	1.700	1.700	(0.341)	223568	50.0000	48.501
	11 Bromomethane	94	1.960	1.960	(0.393)	99646	50.0000	34.839
	12 Chloroethane	64	2.043	2.043	(0.410)	181320	50.0000	55.432
	13 Trichlorofluoromethane	101	2.244	2.244	(0.450)	401142	50.0000	67.715
	15 Acrolein	56	2.552	2.552	(0.512)	236938	500.000	430.51
	16 Acetone	43	2.682	2.682	(0.538)	262968	100.000	92.614
	17 1,1-Dichloroethene	96	2.659	2.659	(0.533)	182861	50.0000	47.020
	18 Freon-113	151	2.647	2.647	(0.530)	153142	50.0000	57.781
	19 Iodomethane	142	2.777	2.777	(0.557)	50787	50.0000	14.077
	20 Carbon Disulfide	76	2.848	2.848	(0.571)	614520	50.0000	42.059

21 Methylene Chloride	84	3.037	3.037 (0.609)	242339	50.0000	34.054
22 Acetonitrile	41	2.895	2.895 (0.580)	315835	500.000	461.32
23 Acrylonitrile	53	3.203	3.203 (0.642)	860786	500.000	537.83

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D
Report Date: 11-Jul-2005 22:45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.250	3.250	(0.651)	577358	50.0000	50.185
	25 trans-1,2-Dichloroethene	96	3.250	3.250	(0.651)	213740	50.0000	52.936
	26 Hexane	86	3.475	3.475	(0.696)	41591	50.0000	56.339
	27 Vinyl acetate	43	3.617	3.617	(0.725)	200703	50.0000	31.538
	28 1,1-Dichloroethane	63	3.582	3.582	(0.718)	351032	50.0000	47.452
	29 tert-Butyl Alcohol	59	3.108	3.108	(0.623)	365723	1000.00	1041.4(A)
	30 2-Butanone	43	4.055	4.055	(0.813)	292609	100.000	100.26
M	31 1,2-Dichloroethene (total)	96				433290	100.000	104.46
	32 cis-1,2-dichloroethene	96	4.055	4.055	(0.813)	219550	50.0000	51.529
	33 2,2-Dichloropropane	77	4.055	4.055	(0.813)	171308	50.0000	41.309
	34 Bromochloromethane	128	4.244	4.244	(0.851)	110147	50.0000	56.600
	35 Chloroform	83	4.303	4.303	(0.862)	351010	50.0000	50.536
	36 Tetrahydrofuran	42	4.291	4.291	(0.860)	58008	50.0000	40.874
	37 1,1,1-Trichloroethane	97	4.469	4.469	(0.896)	277425	50.0000	53.233
	38 1,1-Dichloropropene	75	4.599	4.599	(0.922)	245104	50.0000	47.607
	39 Carbon Tetrachloride	117	4.611	4.611	(0.924)	213381	50.0000	56.924
	40 1,2-Dichloroethane	62	4.777	4.777	(0.957)	292275	50.0000	49.439
	41 Benzene	78	4.777	4.777	(0.957)	856043	50.0000	51.059
	42 Trichloroethene	130	5.309	5.309	(1.064)	236783	50.0000	57.768
	43 1,2-Dichloropropane	63	5.487	5.487	(1.100)	212431	50.0000	49.639
	44 1,4-Dioxane	88	5.605	5.605	(1.123)	109959	2500.00	2675.2(A)
	45 Dibromomethane	93	5.581	5.581	(1.119)	122581	50.0000	53.037
	46 Bromodichloromethane	83	5.711	5.711	(1.145)	256625	50.0000	49.276
	47 2-Chloroethyl vinyl ether	63	5.960	5.960	(1.194)	260579	100.000	102.16
	48 cis-1,3-Dichloropropene	75	6.090	6.090	(1.221)	290580	50.0000	47.692
	49 4-Methyl-2-pentanone	43	6.220	6.220	(1.247)	419378	100.000	96.431
	50 Toluene	91	6.398	6.398	(0.836)	960801	50.0000	49.253
	51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	235862	50.0000	44.444
	52 Ethyl Methacrylate	69	6.658	6.658	(0.870)	231656	50.0000	47.650
	53 1,1,2-Trichloroethane	97	6.741	6.741	(0.881)	187829	50.0000	49.966
	54 1,3-Dichloropropane	76	6.895	6.895	(0.901)	329549	50.0000	45.589
	55 Tetrachloroethene	164	6.907	6.907	(0.903)	194098	50.0000	55.990
	56 2-Hexanone	43	6.954	6.954	(0.909)	373919	100.000	92.395
	57 Dibromochloromethane	129	7.108	7.108	(0.929)	194481	50.0000	53.470
	58 1,2-Dibromoethane	107	7.214	7.214	(0.943)	185739	50.0000	51.699
	59 Chlorobenzene	112	7.676	7.676	(1.003)	637018	50.0000	51.029
	60 1,1,1,2-Tetrachloroethane	131	7.747	7.747	(1.012)	190939	50.0000	54.149
	61 Ethylbenzene	106	7.770	7.770	(1.015)	335661	50.0000	50.534
	62 m + p-Xylene	106	7.877	7.877	(1.029)	836586	100.000	100.81
M	63 Xylenes (total)	106				1244150	150.000	151.42
	64 Xylene-o	106	8.255	8.255	(1.079)	407564	50.0000	50.610
	65 Styrene	104	8.267	8.267	(1.080)	705693	50.0000	49.679
	66 Bromoform	173	8.445	8.445	(1.104)	124515	50.0000	56.578
	67 Isopropylbenzene	105	8.610	8.610	(1.125)	948191	50.0000	51.131
	68 1,1,2,2-Tetrachloroethane	83	8.871	8.871	(0.898)	228268	50.0000	39.791
	69 1,4-Dichloro-2-butene	53	8.930	8.930	(0.904)	53066	50.0000	35.975
	70 1,2,3-Trichloropropane	110	8.918	8.918	(0.903)	79928	50.0000	42.635
	71 Bromobenzene	156	8.906	8.906	(0.902)	277465	50.0000	46.527
	72 n-Propylbenzene	120	9.001	9.001	(0.911)	287070	50.0000	46.119
	73 2-Chlorotoluene	126	9.084	9.084	(0.920)	253031	50.0000	43.982
	74 1,3,5-Trimethylbenzene	105	9.167	9.167	(0.928)	838026	50.0000	43.695
	75 4-Chlorotoluene	126	9.190	9.190	(0.930)	276152	50.0000	46.856

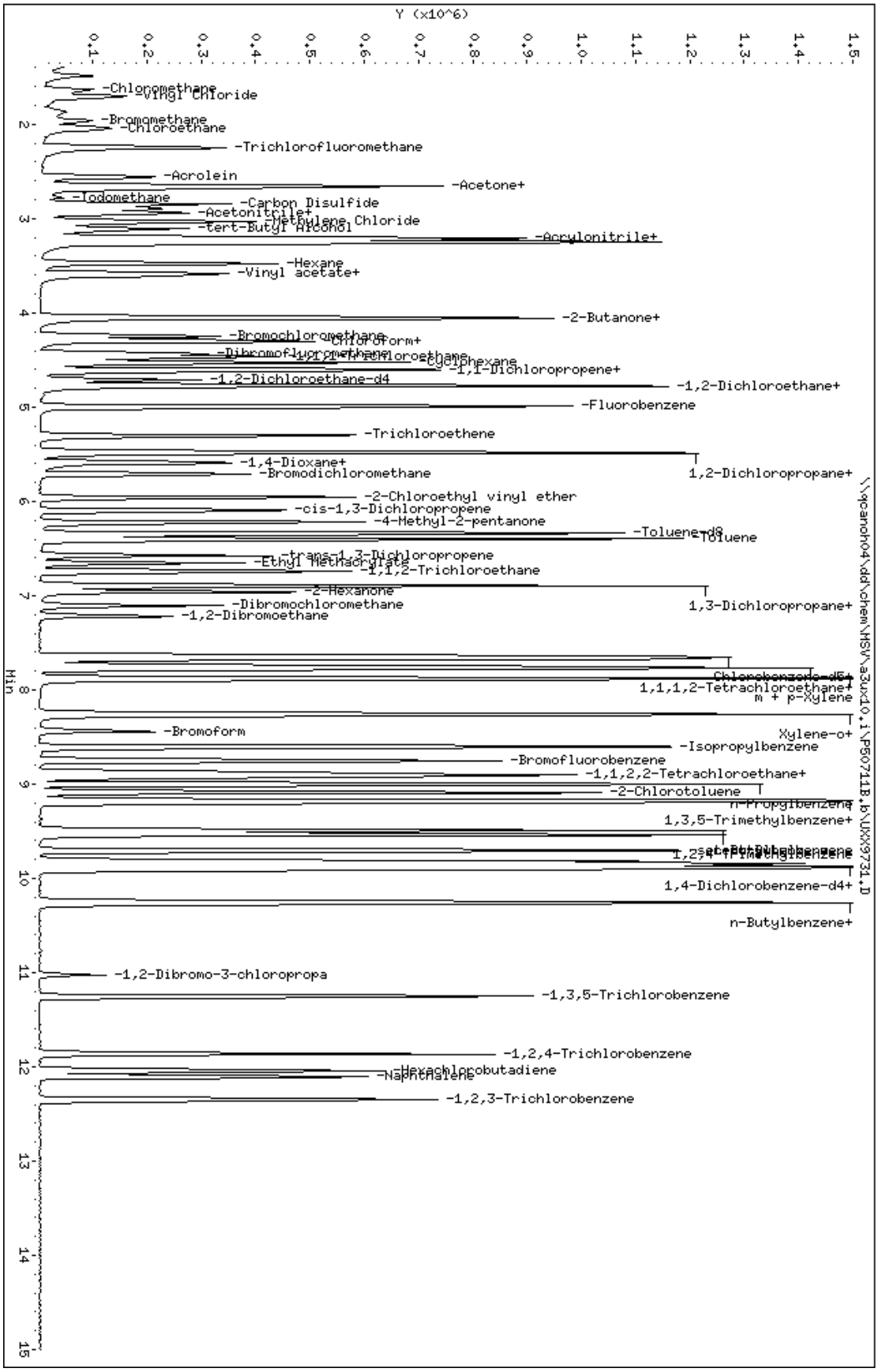
76 tert-Butylbenzene	119	9.486	9.486 (0.960)	725051	50.0000	45.138
77 1,2,4-Trimethylbenzene	105	9.533	9.533 (0.965)	849443	50.0000	42.686

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D
Report Date: 11-Jul-2005 22:45

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78	sec-Butylbenzene	105	9.711	9.711	(0.983)	1034189	50.0000	46.659
79	4-Isopropyltoluene	119	9.841	9.841	(0.996)	892980	50.0000	47.184
80	1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	554806	50.0000	48.524
81	1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	566471	50.0000	46.464
82	n-Butylbenzene	91	10.243	10.243	(1.037)	714477	50.0000	41.402
83	1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	523833	50.0000	46.892
84	1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	42909	50.0000	46.500
85	1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	328670	50.0000	44.102
86	Hexachlorobutadiene	225	12.042	12.042	(1.219)	146434	50.0000	53.855
87	Naphthalene	128	12.101	12.101	(1.225)	599401	50.0000	37.219
88	1,2,3-Trichlorobenzene	180	12.350	12.350	(1.250)	293908	50.0000	43.240
98	Cyclohexane	56	4.528	4.528	(0.908)	310931	50.0000	53.843
143	Methyl Acetate	43	2.943	2.943	(0.590)	358753	100.000	92.396(A)
144	Methylcyclohexane	83	5.475	5.475	(1.097)	315308	50.0000	62.418(A)
141	1,3,5-Trichlorobenzene	180	11.249	11.249	(1.139)	357568	50.0000	43.966(A)

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D
Date : 11-JUL-2005 22:29
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-2-Chlorotoluene
n-Propylbenzene
1,3,5-Trimethylbenzene+
1,2,4-Trimethylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9731.D

RAW QC DATA

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50622B-IC.b\BFB1701.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 22-JUN-2005 16:23
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50622B-IC,BFBUX10,,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50622B-IC.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 6 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.520	3.590	-0.070	95	115024			100.00- 100.00	100.00
3.520	3.590	-0.070	50	24304			15.00- 40.00	21.13
3.520	3.590	-0.070	75	59392			30.00- 60.00	51.63
3.520	3.590	-0.070	96	7757			5.00- 9.00	6.74
3.520	3.590	-0.070	173	567			0.00- 2.00	0.61
3.520	3.590	-0.070	174	92984			50.00- 100.00	80.84
3.520	3.590	-0.070	175	6856			5.00- 9.00	7.37
3.520	3.590	-0.070	176	92576			95.00- 101.00	99.56
3.520	3.590	-0.070	177	5924			5.00- 9.00	6.40

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\BFB1701.D Page 1

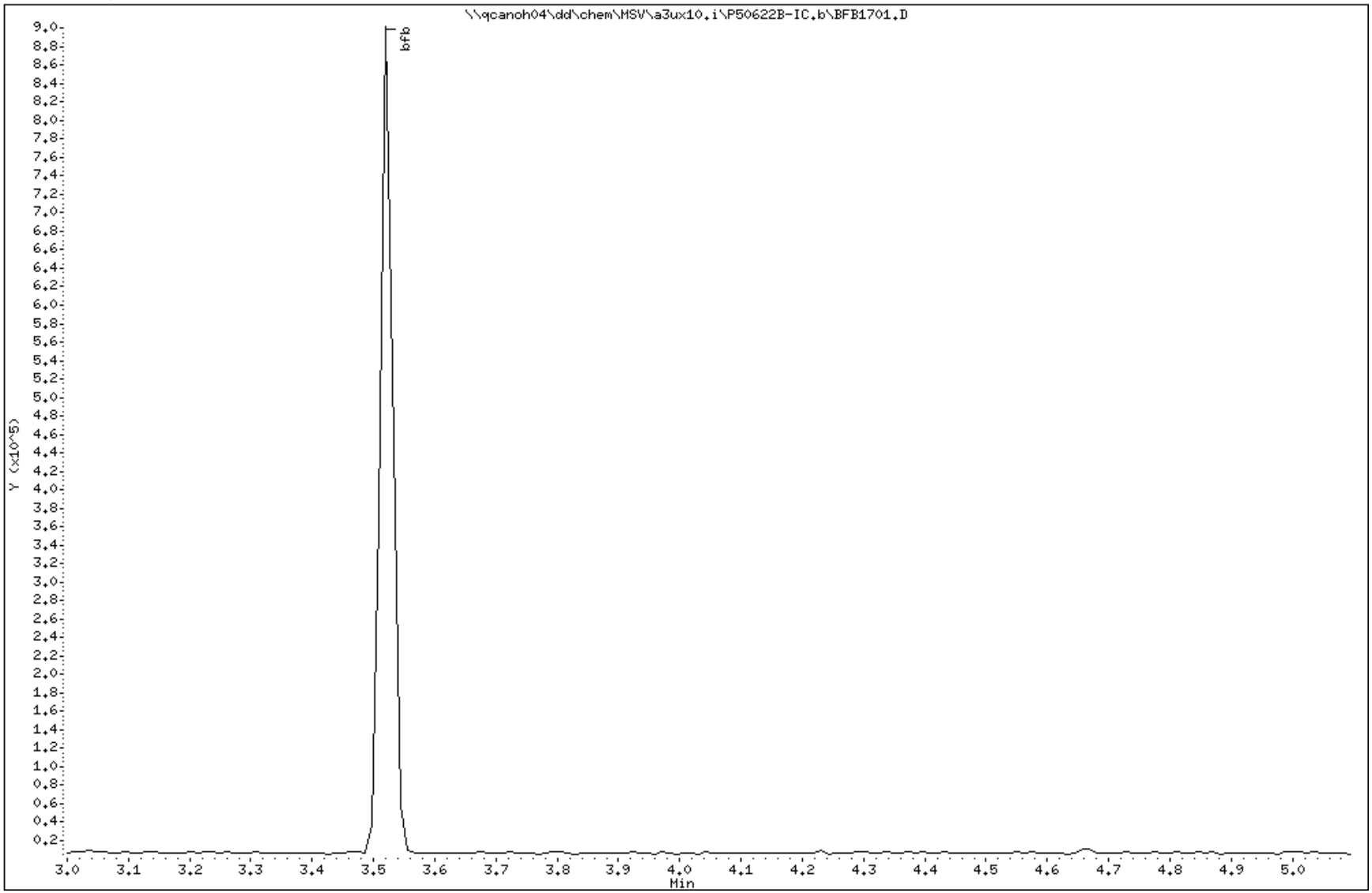
Date : 22-JUN-2005 16:23

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50622B-IC.b\BFB1701.D Page 2

Date : 22-JUN-2005 16:23

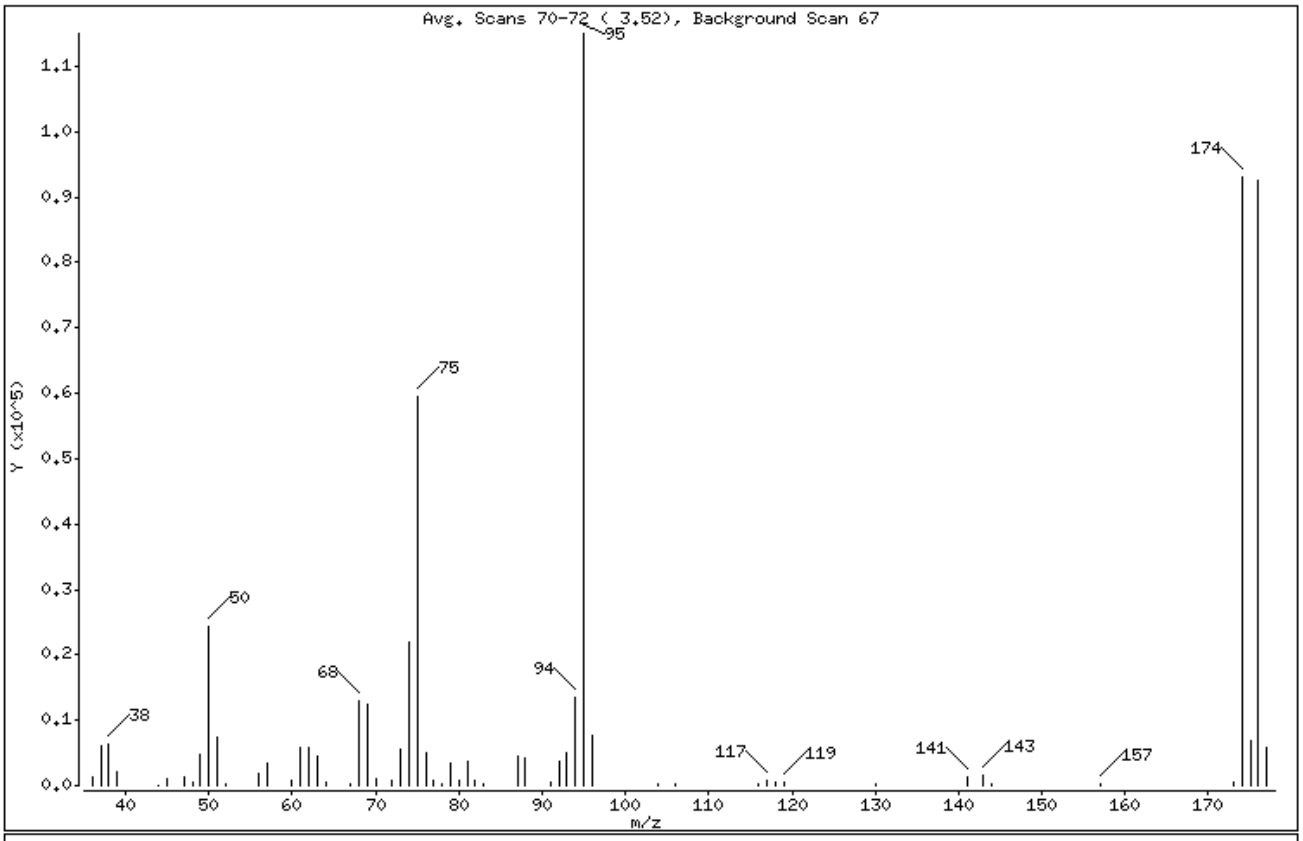
Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.13
75	30.00 - 60.00% of mass 95	51.63
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.49 (0.61)
174	50.00 - 100.00% of mass 95	80.84
175	5.00 - 9.00% of mass 174	5.96 (7.37)
176	95.00 - 101.00% of mass 174	80.48 (99.56)
177	5.00 - 9.00% of mass 176	5.15 (6.40)

Date : 22-JUN-2005 16:23

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1701.D
Spectrum: Avg. Scans 70-72 (3.52), Background Scan 67
Location of Maximum: 95.00
Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1222	61.00	5875	79.00	3563	116.00	189
37.00	6119	62.00	5816	80.00	888	117.00	797
38.00	6235	63.00	4453	81.00	3797	118.00	437
39.00	2073	64.00	425	82.00	895	119.00	549
44.00	128	67.00	329	83.00	260	130.00	293
45.00	1127	68.00	12938	87.00	4474	141.00	1409
47.00	1384	69.00	12477	88.00	4301	143.00	1569
48.00	419	70.00	1135	91.00	399	144.00	186
49.00	4869	72.00	874	92.00	3577	157.00	217
50.00	24304	73.00	5454	93.00	5011	173.00	567
51.00	7450	74.00	21888	94.00	13501	174.00	92984
52.00	185	75.00	59392	95.00	115024	175.00	6856
56.00	1855	76.00	5042	96.00	7757	176.00	92576
57.00	3431	77.00	832	104.00	268	177.00	5924
60.00	805	78.00	382	106.00	194		

STL - North Canton

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\BFB1724.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 11-JUL-2005 22:04
Operator : 1904 Inst ID: a3ux10.i
Smp Info :
Misc Info : P50711B,BFBUX10,,1904
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\BFBUX10.m
Meth Date : 22-Dec-2003 12:41 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 29 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.583	3.590	-0.007	95	106656			100.00- 100.00	100.00
3.583	3.590	-0.007	50	19968			15.00- 40.00	18.72
3.583	3.590	-0.007	75	51488			30.00- 60.00	48.27
3.583	3.590	-0.007	96	7256			5.00- 9.00	6.80
3.583	3.590	-0.007	173	432			0.00- 2.00	0.44
3.583	3.590	-0.007	174	97888			50.00- 100.00	91.78
3.583	3.590	-0.007	175	6985			5.00- 9.00	7.14
3.583	3.590	-0.007	176	95352			95.00- 101.00	97.41
3.583	3.590	-0.007	177	6746			5.00- 9.00	7.07

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\BFB1724.D

Page 1

Date : 11-JUL-2005 22:04

Client ID: 50NG BFB

Instrument: a3ux10.i

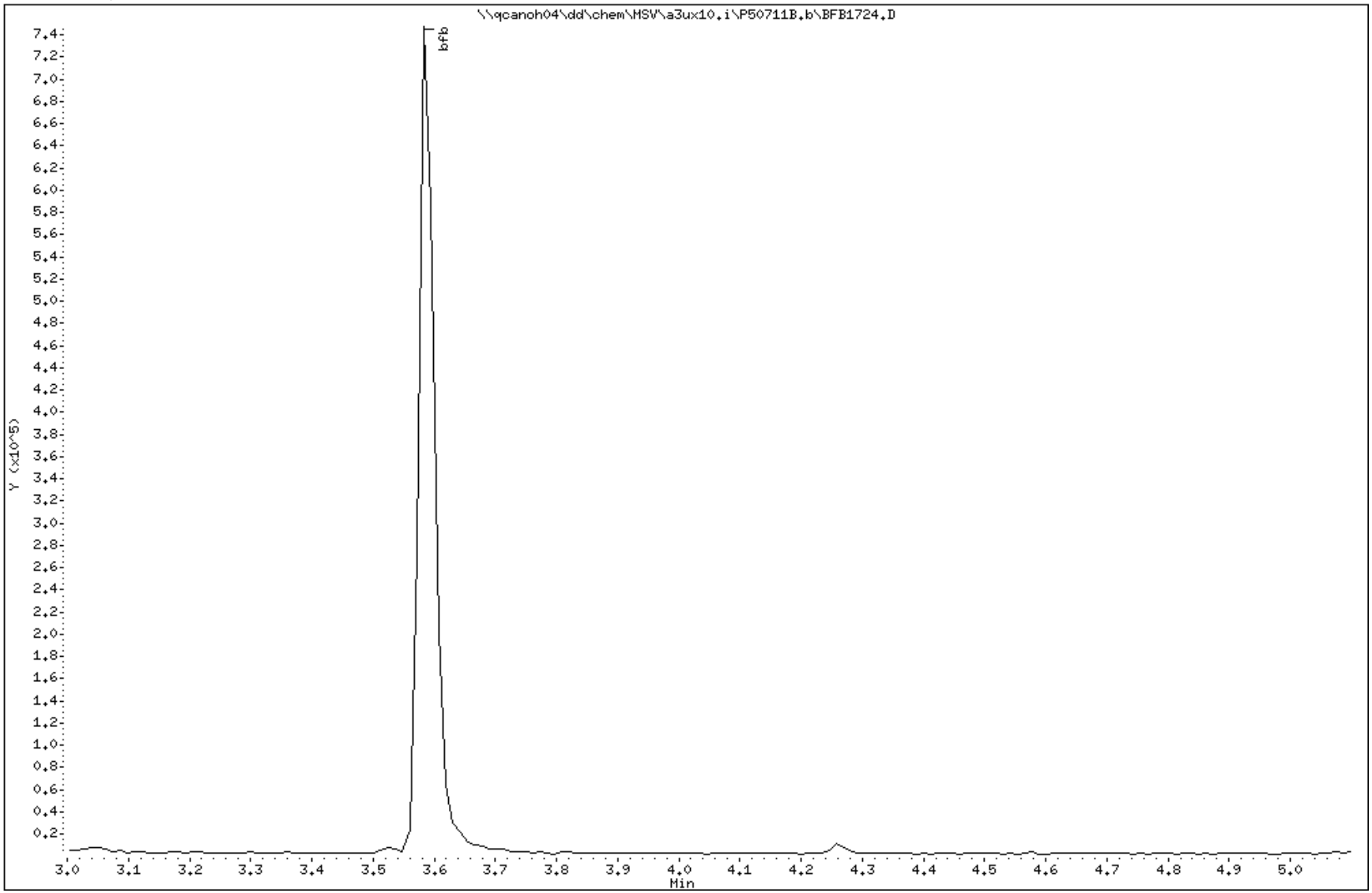
Sample Info:

Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\BFB1724.D

Date : 11-JUL-2005 22:04

Client ID: 50NG BFB

Instrument: a3ux10.i

Sample Info:

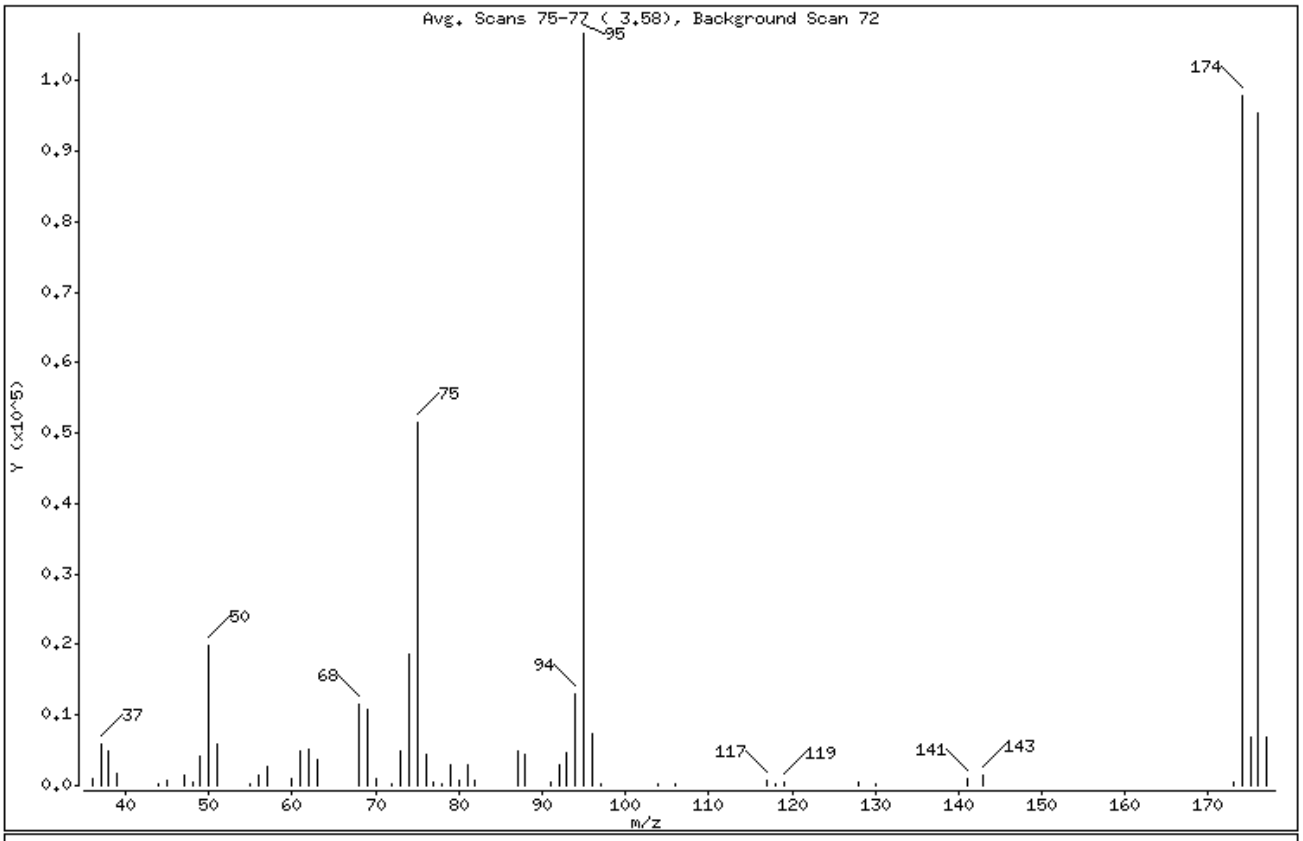
Volume Injected (uL): 1.0

Operator: 1904

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.72
75	30.00 - 60.00% of mass 95	48.27
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.41 (0.44)
174	50.00 - 100.00% of mass 95	91.78
175	5.00 - 9.00% of mass 174	6.55 (7.14)
176	95.00 - 101.00% of mass 174	89.40 (97.41)
177	5.00 - 9.00% of mass 176	6.33 (7.07)

Date : 11-JUL-2005 22:04

Client ID: 50NG BFB Instrument: a3ux10.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1904

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB1724.D
Spectrum: Avg. Scans 75-77 (3.58), Background Scan 72
Location of Maximum: 95.00
Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1017	60.00	1081	79.00	2837	106.00	171
37.00	5866	61.00	4909	80.00	842	117.00	631
38.00	4795	62.00	5222	81.00	3024	118.00	179
39.00	1778	63.00	3593	82.00	846	119.00	412
44.00	173	68.00	11561	87.00	4993	128.00	412
45.00	784	69.00	10808	88.00	4322	130.00	213
47.00	1378	70.00	912	91.00	477	141.00	923
48.00	451	72.00	292	92.00	3028	143.00	1397
49.00	4086	73.00	4836	93.00	4613	173.00	432
50.00	19968	74.00	18680	94.00	13037	174.00	97888
51.00	5839	75.00	51488	95.00	106656	175.00	6985
55.00	178	76.00	4450	96.00	7256	176.00	95352
56.00	1570	77.00	429	97.00	203	177.00	6746
57.00	2767	78.00	281	104.00	303		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5G010137 **Work Order #...:** HE9121AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G120000-225 HE9121AD-LCSD
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**118**	**(75 - 122)**			**SW846 8260B**
	108	**(75 - 122)**	**8.5**	**(0-20)**	**SW846 8260B**
Benzene	**99**	**(80 - 116)**			**SW846 8260B**
	97	**(80 - 116)**	**1.9**	**(0-20)**	**SW846 8260B**
Toluene	**95**	**(74 - 119)**			**SW846 8260B**
	95	**(74 - 119)**	**0.53**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**0.070**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(63 - 130)**			**SW846 8260B**
	100	**(63 - 130)**	**2.7**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
	88	(61 - 128)
Toluene-d8	98	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	99	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5G010137 **Work Order #...:** HE9121AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G120000-225 HE9121AD-LCSD
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193225
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Trichloroethene	**10**	**12**	**ug/L**	**118**		**SW846 8260B**
	10	**11**	**ug/L**	**108**	**8.5**	**SW846 8260B**
Benzene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**1.9**	**SW846 8260B**
Toluene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**0.53**	**SW846 8260B**
Chlorobenzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**0.070**	**SW846 8260B**
1,1-Dichloroethene	**10**	**10**	**ug/L**	**103**		**SW846 8260B**
	10	**10**	**ug/L**	**100**	**2.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
	103	(73 - 122)
1,2-Dichloroethane-d4	89	(61 - 128)
	88	(61 - 128)
Toluene-d8	98	(76 - 110)
	99	(76 - 110)
4-Bromofluorobenzene	103	(74 - 116)
	99	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9732.D
Report Date: 11-Jul-2005 23:10

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9732.D
Lab Smp Id: CHECK
Inj Date : 11-JUL-2005 22:54
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 31 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.991	4.990	(1.000)	965638	50.0000	
* 2 Chlorobenzene-d5	117	7.641	7.652	(1.000)	750119	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.877	(1.000)	410958	50.0000	
$ 4 Dibromofluoromethane	113	4.434	4.433	(0.889)	191460	51.6500	10.330
$ 5 1,2-Dichloroethane-d4	65	4.707	4.706	(0.943)	218216	44.2786	8.856
$ 6 Toluene-d8	98	6.340	6.339	(0.830)	788924	48.8738	9.775
$ 7 Bromofluorobenzene	95	8.753	8.752	(1.146)	311241	51.4487	10.290
8 Dichlorodifluoromethane	85	1.488	1.487	(0.298)	175882	58.3242	11.665
9 Chloromethane	50	1.630	1.629	(0.327)	216126	36.8598	7.372
10 Vinyl Chloride	62	1.701	1.700	(0.341)	237260	51.0633	10.213
11 Bromomethane	94	1.961	1.960	(0.393)	79972	27.7383	5.548
12 Chloroethane	64	2.044	2.043	(0.410)	163101	49.4666	9.893
13 Trichlorofluoromethane	101	2.245	2.244	(0.450)	347294	58.1603	11.632
15 Acrolein	56	2.553	2.552	(0.512)	312217	562.788	112.56
16 Acetone	43	2.683	2.682	(0.538)	83899	18.4690	3.694
17 1,1-Dichloroethene	96	2.660	2.659	(0.533)	202212	51.5833	10.317
18 Freon-113	151	2.648	2.647	(0.531)	177406	66.4044	13.281
19 Iodomethane	142	2.802	2.777	(0.561)	4514	1.24123	0.2482
20 Carbon Disulfide	76	2.849	2.848	(0.571)	650701	44.1815	8.836
21 Methylene Chloride	84	3.026	3.037	(0.606)	250095	35.2502	7.050

22 Acetonitrile	41	2.896	2.895 (0.580)	310057	449.282	89.856
23 Acrylonitrile	53	3.204	3.203 (0.642)	844440	523.432	104.69

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9732.D
Report Date: 11-Jul-2005 23:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.251	3.250	(0.651)	569381	49.0991	9.820
	25 trans-1,2-Dichloroethene	96	3.251	3.250	(0.651)	215955	53.0601	10.612
	26 Hexane	86	3.476	3.475	(0.697)	47613	63.9847	12.797
	27 Vinyl acetate	43	3.476	3.617	(0.697)	164634	25.6646	5.133
	28 1,1-Dichloroethane	63	3.582	3.582	(0.718)	350519	47.0070	9.401
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.056	4.055	(0.813)	92558	31.4630	6.292
M	31 1,2-Dichloroethene (total)	96				430457	103.005	20.601
	32 cis-1,2-dichloroethene	96	4.056	4.055	(0.813)	214502	49.9450	9.989
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.304	4.303	(0.862)	349886	49.9743	9.995
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.470	4.469	(0.896)	272010	51.7801	10.356
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.612	4.611	(0.924)	223853	59.2435	11.849
	40 1,2-Dichloroethane	62	4.778	4.777	(0.957)	282267	47.3672	9.473
	41 Benzene	78	4.778	4.777	(0.957)	835331	49.4279	9.886
	42 Trichloroethene	130	5.310	5.309	(1.064)	243717	58.9877	11.798
	43 1,2-Dichloropropane	63	5.488	5.487	(1.100)	214695	49.7699	9.954
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.712	5.711	(1.145)	248892	47.4119	9.482
	47 2-Chloroethyl vinyl ether	63	5.961	5.960	(1.194)	122619	47.6941	9.539
	48 cis-1,3-Dichloropropene	75	6.091	6.090	(1.220)	298650	48.6273	9.725
	49 4-Methyl-2-pentanone	43	6.221	6.220	(1.247)	175927	40.1314	8.026
	50 Toluene	91	6.399	6.398	(0.837)	942786	47.5992	9.520
	51 trans-1,3-Dichloropropene	75	6.576	6.575	(0.861)	232354	43.1211	8.624
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.742	6.741	(0.882)	182646	47.8532	9.571
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.896	6.907	(0.902)	191582	54.4286	10.886
	56 2-Hexanone	43	6.955	6.954	(0.910)	119116	28.9885	5.798
	57 Dibromochloromethane	129	7.109	7.108	(0.930)	180606	48.9046	9.781
	58 1,2-Dibromoethane	107	7.215	7.214	(0.944)	182438	50.0128	10.002
	59 Chlorobenzene	112	7.677	7.676	(1.005)	622586	49.1191	9.824
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.771	7.770	(1.017)	331819	49.2002	9.840
	62 m + p-Xylene	106	7.878	7.877	(1.031)	838989	99.5701	19.914
M	63 Xylenes (total)	106				1229449	147.323	29.465
	64 Xylene-o	106	8.256	8.255	(1.081)	390460	47.7530	9.550
	65 Styrene	104	8.268	8.267	(1.082)	690058	47.8443	9.569
	66 Bromoform	173	8.446	8.445	(1.105)	125610	56.2126	11.242
	67 Isopropylbenzene	105	8.600	8.610	(1.125)	993622	52.7709	10.554
	68 1,1,2,2-Tetrachloroethane	83	8.872	8.871	(0.898)	213824	39.4746	7.895
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

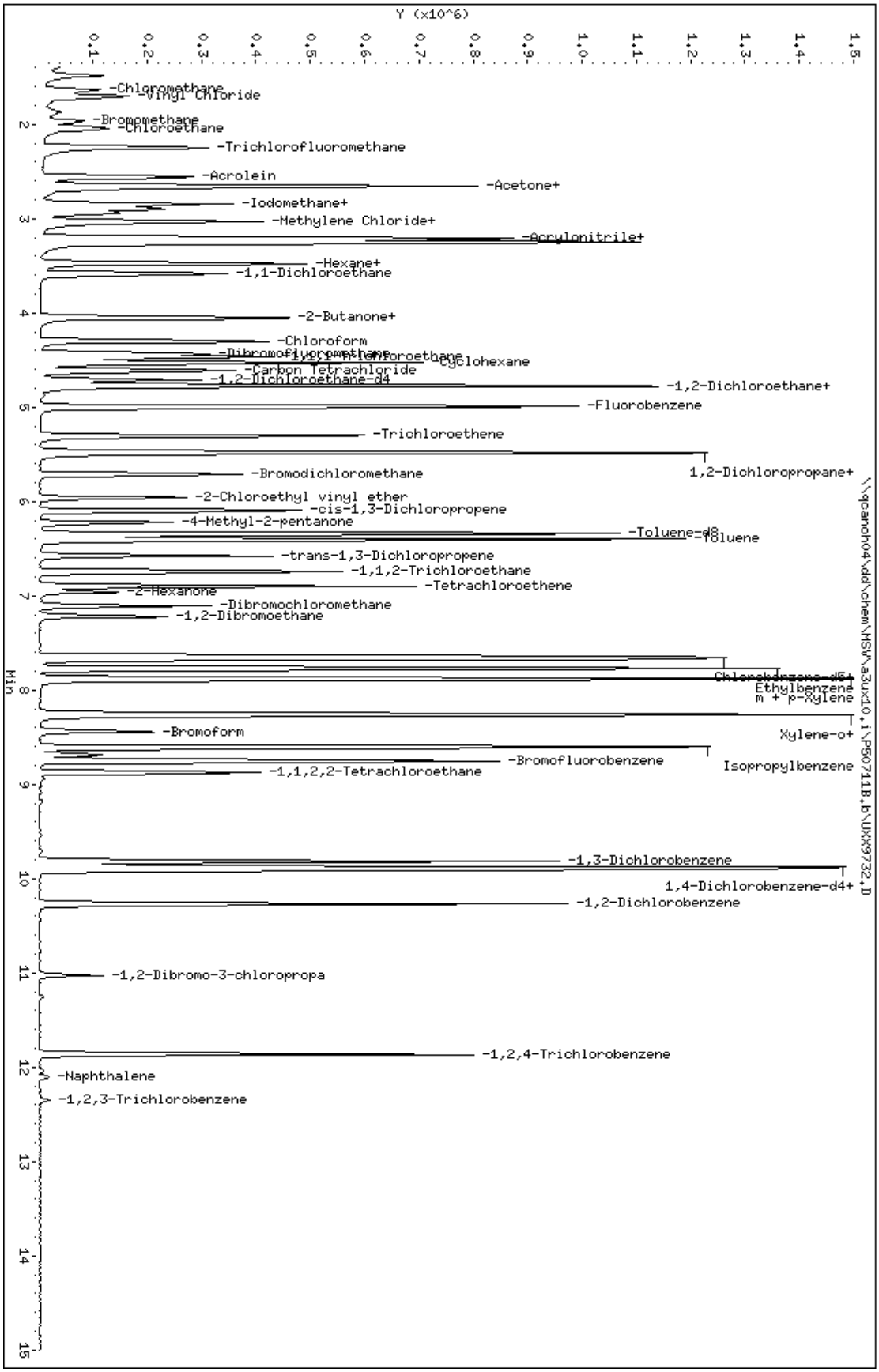
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9732.D
Report Date: 11-Jul-2005 23:10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.818	9.817	(0.994)	500458	46.3568	9.271
81 1,4-Dichlorobenzene	146	9.901	9.900	(1.002)	538034	46.7384	9.348
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.268	10.267	(1.040)	490263	46.4796	9.296
84 1,2-Dibromo-3-chloropropane	157	11.025	11.024	(1.116)	40675	46.6825	9.336
85 1,2,4-Trichlorobenzene	180	11.865	11.864	(1.201)	310438	44.1162	8.823
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	12.102	12.101	(1.225)	20934	1.37665	0.2753
88 1,2,3-Trichlorobenzene	180	12.351	12.350	(1.250)	8899	1.38657	0.2773
98 Cyclohexane	56	4.529	4.528	(0.908)	317600	54.5614	10.912
143 Methyl Acetate	43	2.944	2.943	(0.590)	170090	43.4586	8.692(A)
144 Methylcyclohexane	83	5.476	5.475	(1.097)	320062	62.8566	12.571(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9732.D
Date : 11-JUL-2005 22:54
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9732.D

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9733.D
Report Date: 11-Jul-2005 23:34

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9733.D
Lab Smp Id: CHECK
Inj Date : 11-JUL-2005 23:18
Operator : 1904 Inst ID: a3ux10.i
Smp Info : CHECK
Misc Info : P50711B,8260LLUX10,2-8260.SUB,1904,3
Comment :
Method : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 32 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.989	4.990	(1.000)	970177	50.0000	
* 2 Chlorobenzene-d5	117	7.652	7.652	(1.000)	747382	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.876	9.877	(1.000)	410908	50.0000	
$ 4 Dibromofluoromethane	113	4.433	4.433	(0.889)	191117	51.3162	10.263
$ 5 1,2-Dichloroethane-d4	65	4.705	4.706	(0.943)	218004	44.0286	8.806
$ 6 Toluene-d8	98	6.338	6.339	(0.828)	792323	49.2642	9.853
$ 7 Bromofluorobenzene	95	8.752	8.752	(1.144)	299358	49.6636	9.933
8 Dichlorodifluoromethane	85	1.487	1.487	(0.298)	167119	55.2412	11.048
9 Chloromethane	50	1.629	1.629	(0.327)	217079	36.8491	7.370
10 Vinyl Chloride	62	1.700	1.700	(0.341)	228415	48.9296	9.786
11 Bromomethane	94	1.972	1.960	(0.395)	82560	28.5019	5.700
12 Chloroethane	64	2.043	2.043	(0.410)	159463	48.1370	9.627
13 Trichlorofluoromethane	101	2.244	2.244	(0.450)	339623	56.6095	11.322
15 Acrolein	56	2.552	2.552	(0.511)	355239	637.341	127.47
16 Acetone	43	2.682	2.682	(0.538)	82638	17.7947	3.559
17 1,1-Dichloroethene	96	2.658	2.659	(0.533)	197806	50.2232	10.045
18 Freon-113	151	2.646	2.647	(0.530)	181436	67.5951	13.519
19 Iodomethane	142	2.800	2.777	(0.561)	7859	2.15091	0.4302
20 Carbon Disulfide	76	2.848	2.848	(0.571)	645031	43.5916	8.718
21 Methylene Chloride	84	3.037	3.037	(0.609)	254047	35.8183	7.164

22 Acetonitrile	41	2.895	2.895 (0.580)	318531	459.402	91.880
23 Acrylonitrile	53	3.214	3.203 (0.644)	857703	529.165	105.83

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9733.D
Report Date: 11-Jul-2005 23:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.250	3.250	(0.651)	557087	47.8143	9.563
	25 trans-1,2-Dichloroethene	96	3.250	3.250	(0.651)	205498	50.2546	10.051
	26 Hexane	86	3.475	3.475	(0.696)	46296	61.9237	12.385
	27 Vinyl acetate	43	3.475	3.617	(0.696)	162687	25.2425	5.048
	28 1,1-Dichloroethane	63	3.581	3.582	(0.718)	351494	46.9173	9.383
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.054	4.055	(0.813)	91374	30.9152	6.183
M	31 1,2-Dichloroethene (total)	96				418596	99.6406	19.928
	32 cis-1,2-dichloroethene	96	4.054	4.055	(0.813)	213098	49.3860	9.877
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.303	4.303	(0.862)	342559	48.6989	9.740
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.469	4.469	(0.896)	281716	53.3769	10.675
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.611	4.611	(0.924)	215675	56.8121	11.362
	40 1,2-Dichloroethane	62	4.776	4.777	(0.957)	288132	48.1252	9.625
	41 Benzene	78	4.776	4.777	(0.957)	823589	48.5051	9.701
	42 Trichloroethene	130	5.309	5.309	(1.064)	224812	54.1575	10.832
	43 1,2-Dichloropropane	63	5.486	5.487	(1.100)	214589	49.5126	9.902
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.711	5.711	(1.145)	248267	47.0716	9.414
	47 2-Chloroethyl vinyl ether	63	5.960	5.960	(1.194)	122813	47.5460	9.509
	48 cis-1,3-Dichloropropene	75	6.102	6.090	(1.223)	294282	47.6919	9.538
	49 4-Methyl-2-pentanone	43	6.220	6.220	(1.247)	185041	42.0130	8.402
	50 Toluene	91	6.397	6.398	(0.836)	934301	47.3436	9.469
	51 trans-1,3-Dichloropropene	75	6.575	6.575	(0.859)	238679	44.4571	8.891
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.741	6.741	(0.881)	182704	48.0437	9.609
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.906	6.907	(0.903)	190422	54.2971	10.859
	56 2-Hexanone	43	6.965	6.954	(0.910)	123812	30.2417	6.048
	57 Dibromochloromethane	129	7.107	7.108	(0.929)	185060	50.2941	10.059
	58 1,2-Dibromoethane	107	7.214	7.214	(0.943)	186792	51.3940	10.279
	59 Chlorobenzene	112	7.675	7.676	(1.003)	620756	49.1541	9.831
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.770	7.770	(1.015)	334293	49.7485	9.950
	62 m + p-Xylene	106	7.876	7.877	(1.029)	834355	99.3828	19.876
M	63 Xylenes (total)	106				1227271	147.612	29.522
	64 Xylene-o	106	8.255	8.255	(1.079)	392916	48.2293	9.646
	65 Styrene	104	8.267	8.267	(1.080)	686372	47.7630	9.553
	66 Bromoform	173	8.444	8.445	(1.104)	127158	57.1138	11.423
	67 Isopropylbenzene	105	8.610	8.610	(1.125)	988442	52.6880	10.538
	68 1,1,2,2-Tetrachloroethane	83	8.870	8.871	(0.898)	235606	43.5011	8.700
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

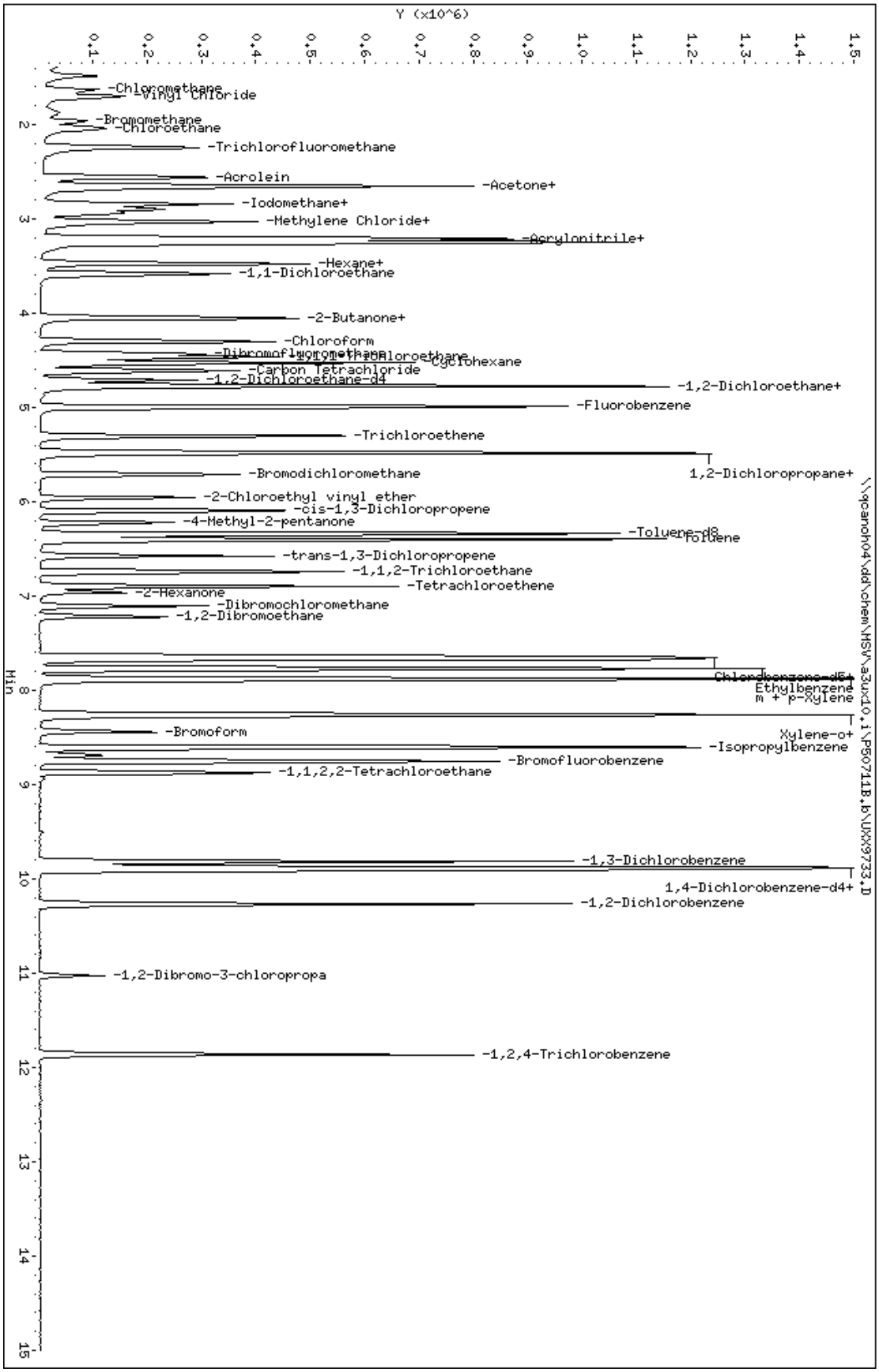
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\UXX9733.D
Report Date: 11-Jul-2005 23:34

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.817	9.817	(0.994)	509215	47.1737	9.435
81 1,4-Dichlorobenzene	146	9.900	9.900	(1.002)	548944	47.6919	9.538
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.267	10.267	(1.040)	486854	46.1620	9.232
84 1,2-Dibromo-3-chloropropane	157	11.024	11.024	(1.116)	42903	49.2456	9.849
85 1,2,4-Trichlorobenzene	180	11.864	11.864	(1.201)	300967	42.7755	8.555
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.528	4.528	(0.908)	311126	53.1992	10.640
143 Methyl Acetate	43	2.942	2.943	(0.590)	177272	45.0817	9.016(A)
144 Methylcyclohexane	83	5.474	5.475	(1.097)	317960	62.1516	12.430(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 11-JUL-2005 23:18
Client ID:
Sample Info: CHECK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux10.i
Operator: 1904
Column diameter: 0.18
Y (x10^6)
Min
-Chloromethane
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9733.D

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5G010137 **Work Order #...:** HE9121AA **Matrix.....:** WATER
MB Lot-Sample #: A5G120000-225

Prep Date.....: 07/11/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/11/05 **Prep Batch #...:** 5193225
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(73 - 122)
1,2-Dichloroethane-d4	90	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	90	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9734.D
Report Date: 12-Jul-2005 13:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9734.D
Lab Smp Id: VBLK
Inj Date : 11-JUL-2005 23:43
Operator : 1904 Inst ID: a3ux10.i
Smp Info : VBLK,5ML/5ML
Misc Info : P50711B,8260LLUX10,,1904,3,,BLANK,,0
Comment   :
Method   : \\QCANOH04\DD\chem\MSV\a3ux10.i\P50711B.b\8260LLUX10.m
Meth Date : 11-Jul-2005 22:44 Quant Type: ISTD
Cal Date : 23-JUN-2005 06:20 Cal File: UXX9149.D
Als bottle: 33 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.993	4.990	(1.000)	933477	50.0000	
* 2 Chlorobenzene-d5	117	7.643	7.652	(1.000)	723393	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.880	9.877	(1.000)	379815	50.0000	
$ 4 Dibromofluoromethane	113	4.437	4.433	(0.889)	185020	51.6323	10.326
$ 5 1,2-Dichloroethane-d4	65	4.709	4.706	(0.943)	214302	44.9826	8.996
$ 6 Toluene-d8	98	6.342	6.339	(0.830)	751620	48.2831	9.657
$ 7 Bromofluorobenzene	95	8.756	8.752	(1.146)	261987	44.8995	8.980
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9734.D
Report Date: 12-Jul-2005 13:53

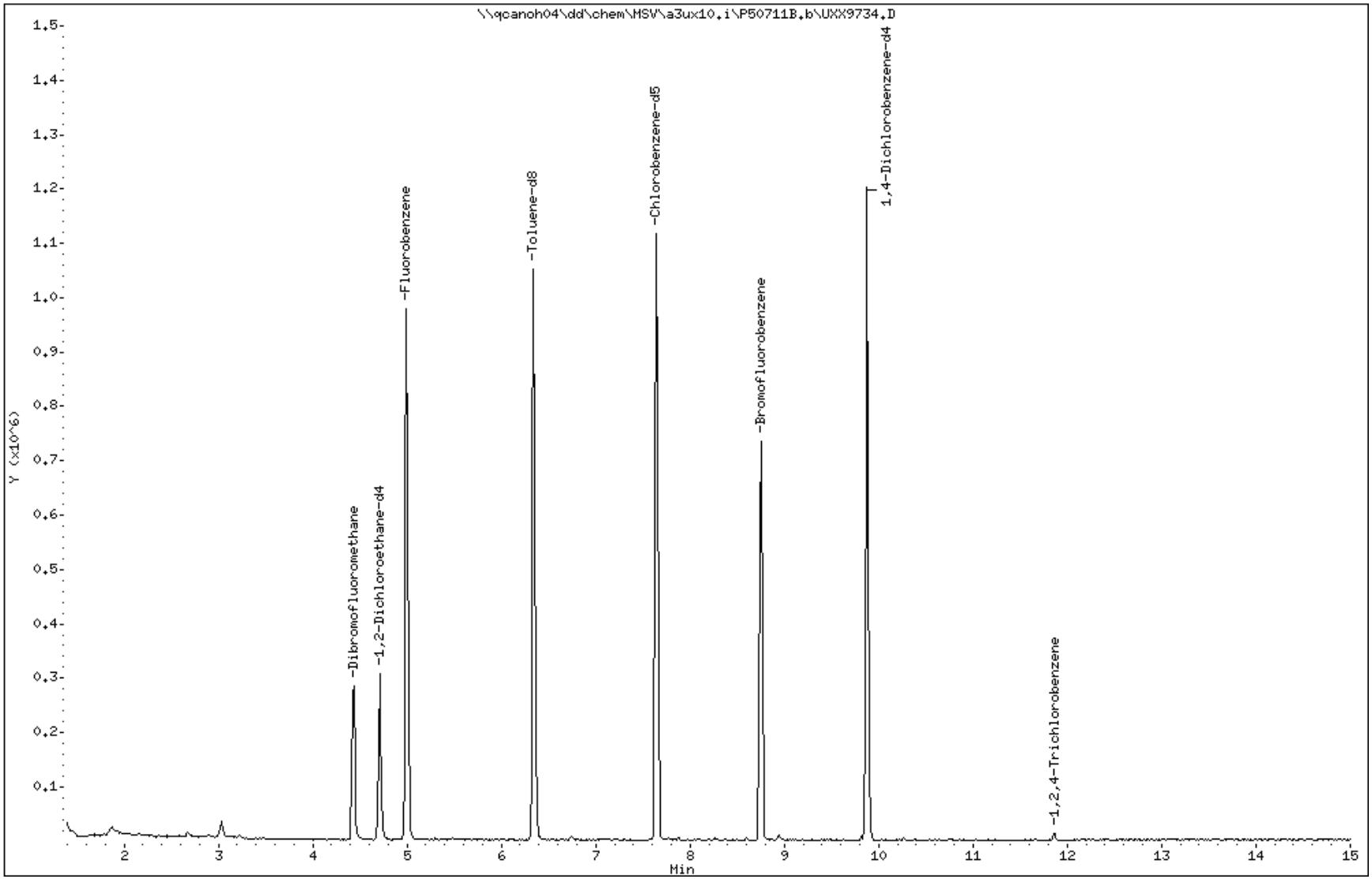
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9734.D
Report Date: 12-Jul-2005 13:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.868	11.864	(1.201)	8187	1.25885	0.2518
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9734.D
Date : 11-JUL-2005 23:43
Client ID:
Instrument: a3ux10.i
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Operator: 1904
Column phase: DB624
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux10.i\P50711B.b\UXX9734.D

Date : 11-JUL-2005 23:43

Client ID:

Instrument: a3ux10.i

Sample Info: VBLK,5ML/5ML

Purge Volume: 5.0

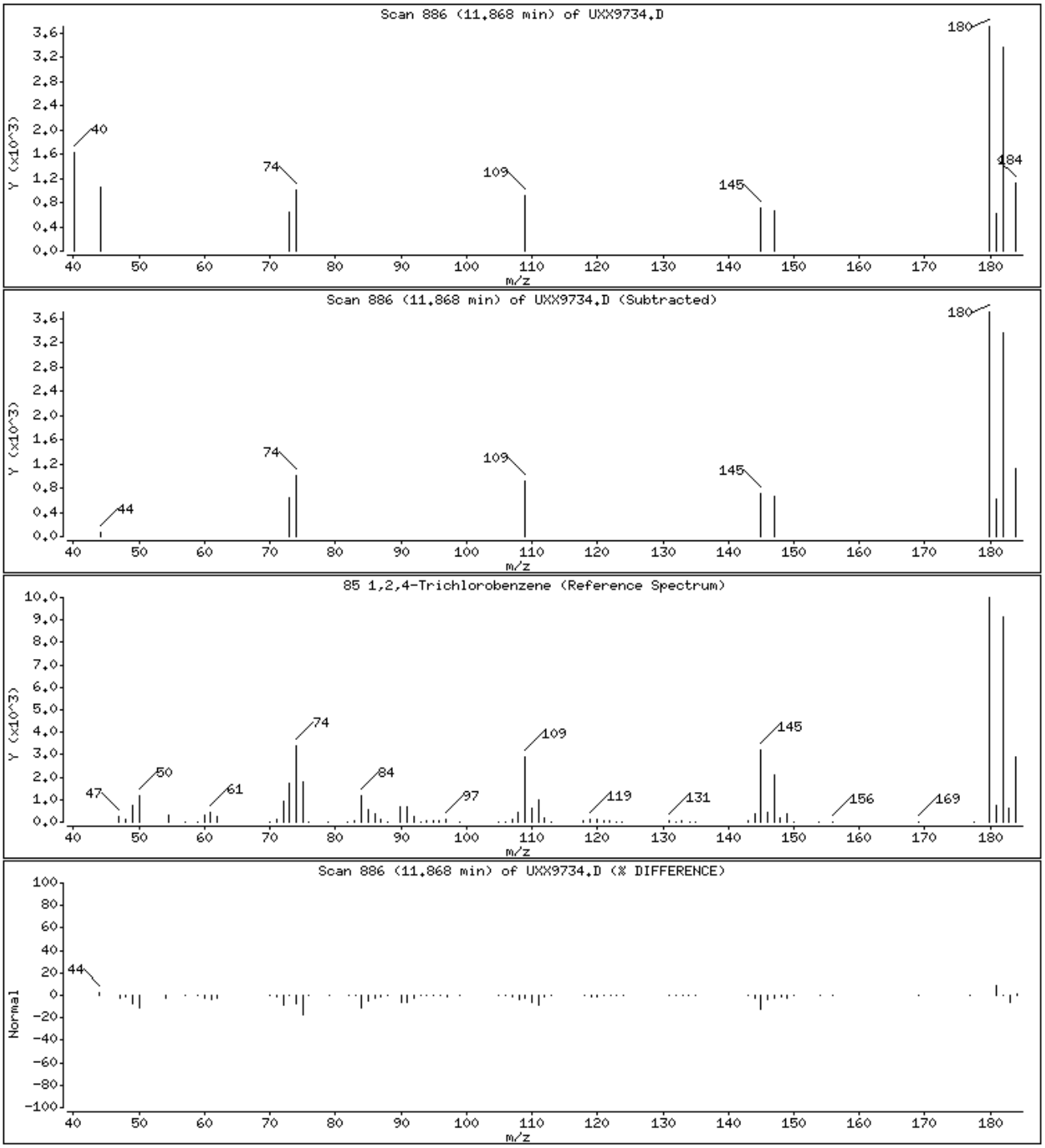
Operator: 1904

Column phase: DB624

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.2518 ug/L



MISCELLANEOUS DATA

UX10
Batch # 5174443

STL-North Canton
GC/MS VOA Run Log

Date: 6-22-05

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min
IS # V3080 SS # V3082

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

6/24

Purge & Trap
Trap: #10 K
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt charged	Std number Sample prep	Comments	Sample status
	BFB		BFB1701	50NJ		1623	ok
	8260 STD		UXX9118	200NJ	V3186 V3201,02,03		ok
			19	100NJ			ok
			20	50NJ		V50622	ok
			21	25NJ			ok
			22	10NJ			ok
			23	5NJ			ok
	ICV		24	50NJ	V3174		ok
	CHECK	HD9CA	25	50NJ	V3174		ok
	CHECK		26	50NJ			ok
	BLANK		27	5ML			ok
	BLANK		28	5ML			ok
	HDCSC1DY		29	5ML			ok
	HDCSL1DY		30				ok
	HDCSN1AC		31				ok
	HDFCA1AA		32				ok
	HDFCC1AA		33				ok
	HDFCN1AA		34				ok
M	HDFCT1AA		35				ok
	HDFCW1AA		36				ok
	HDFP71AA		37	1ML/5ML			ok
	HDFP81AA		38				ok
	HDFM91AA		39	5ML			ok
	HDFNF1AA		40	1.3ML/5ML			ok
	HDFNK1AA		41	5ML			ok
	HDFNM1AA		42	5ML			ok
	HDFMJ1AA		43	0.12ML/5ML			ok
	HDFMT1AA		44	0.12ML/5ML			ok
	HDFMT1AP	MS	45		+5ONJ		ok
	HDFMT1AQ	MSD	UXX9146				ok
						RR 6-23-05	

Analyst: RR
Level 2 review: [signature]
5590
PDF Made: N

UX10
Batch # S193225

STL-North Canton
GC/MS VOA Run Log

Date: 7-11-05

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min
IS # V3211 SS # V3212

Analysis
45 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min
7/13

Purge & Trap
Trap: #18 K
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

Auto num	Sample ID / Worksorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB1724	50mL		2204	ok
	8260 STD		UXX9731	50mL	V3242,43,44	V50622	ok
	CHECK	HE912	32	50mL	V3262 V3234 5X 1:10 DILUTION		ok
	CHECK	"	33	50mL	V3262		ok
(M)	BLANK	"	34	5mL			ok
	HETVTIAA		35	5mL			ok
	HETVUIAA		36	"			ok
	HETVWIAA		37	0.05SM/SW			ok
	HETVW	MS	38	"	+SOMg	R- NO SPIKE ADDED	-
	HETVW	MSD	39	"	"	"	-
	HETVXIAA		40	5mL			ok
	HETVZIAA		41				ok
	HETW9IAA		42				ok
	HETIFIAA		43				ok
	HETIGIAA		44				ok
	HETIHIAA		45				ok
	HETIJIAA		46				ok
	HERQDIAA		47				ok
	HERQKIAL		48				ok
	HERQRIAL		49				ok
	HERQTIAL		50				ok
	HERQXIAL		51				ok
	HERQIIAL		52				ok
	HERQSIAL		53				ok
	HERRRIAA		54				ok
	HERRWIAA		55				ok
	HERRXIAA		UXX9756				ok
						Rel 7-12-05	

Analyst: RL
Level 2 review: SAM 7-12-05
PDF Made: SAM 7/12/05

pH/Free Chlorine Worksheet

Lot: A5G010137

A5G010137

Sample	Work Order	SAC	Client Sample ID	pH	Free Chlorine
1	HEQ4D-1AA	XX I 25 QK 01	MW-208	<2	N
2	HEQ4K-1AL	XX I 25 QK 01	MW-207	<2	N
3	HEQ4Q-1AL	XX I 25 QK 01	MW-206	<2	N
4	HEQ4T-1AL	XX I 25 QK 01	MW-204	<2	N
5	HEQ4X-1AL	XX I 25 QK 01	MW-205	<2	N
6	HEQ41-1AL	XX I 25 QK 01	MW-204 DUPL	<2	N
7	HEQ45-1AL	XX I 25 QK 01	MW-203	<2	N

Lot/SDG Number: **A5G010137**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5G010137	1	HEQ4D1AA	Volatile Organics, GC/MS (8260B)	07/12/05	Richard Quayle
A5G010137	2	HEQ4K1AL	Volatile Organics, GC/MS (8260B)	07/12/05	Richard Quayle
A5G010137	3	HEQ4Q1AL	Volatile Organics, GC/MS (8260B)	07/12/05	Richard Quayle
A5G010137	4	HEQ4T1AL	Volatile Organics, GC/MS (8260B)	07/12/05	Richard Quayle
A5G010137	5	HEQ4X1AL	Volatile Organics, GC/MS (8260B)	07/12/05	Richard Quayle
A5G010137	6	HEQ411AL	Volatile Organics, GC/MS (8260B)	07/12/05	Richard Quayle
A5G010137	7	HEQ451AL	Volatile Organics, GC/MS (8260B)	07/12/05	Richard Quayle

METALS DATA

FORMS DATA

Matrix Environmental, Inc.

Client Sample ID: MW-208

TOTAL Metals

Lot-Sample #...: A5G010137-001 **Matrix.....:** WG
Date Sampled...: 06/30/05 17:15 **Date Received..:** 07/01/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1AT
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.039 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1AU**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1AV
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.24**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1AW**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**272 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1AX**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1A0
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**25.5**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1A1**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEQ4D1A8
		Dilution Factor: 1		Analysis Time..: 12:33	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**12.0 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1A5**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**127**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1A2**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-208

TOTAL Metals

Lot-Sample #...: A5G010137-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**1.3 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1A3**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**21.2**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1A6**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0071 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1A4**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1A7
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	**0.019**	**0.010**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1AK**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1AL
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	**0.0053 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4D1AM**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1AR
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1AN
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1AJ
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

(Continued on next page)

Matrix Environmental, Inc.

Client Sample ID: MW-208

TOTAL Metals

Lot-Sample #...: A5G010137-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1AP
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ4D1AQ
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-207

TOTAL Metals

Lot-Sample #...: A5G010137-002 **Matrix.....:** WG
Date Sampled...: 06/30/05 09:45 **Date Received..:** 07/01/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1A4
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.26**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1A5**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1A6
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.33**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1A7**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**147 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1A8**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1AA
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**2.6**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1AC**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEQ4K1AK
		Dilution Factor: 1		Analysis Time..: 12:34	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**27.1 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1AG**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**80.0**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1AD**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-207

TOTAL Metals

Lot-Sample #...: A5G010137-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.034 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1AE**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**65.1**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1AH**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0019 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4K1AF**
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1AJ
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1AV
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1AW
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1AX
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1A3
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1A0
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1AU
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-207

TOTAL Metals

Lot-Sample #...: A5G010137-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1A1
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ4K1A2
		Dilution Factor: 1		Analysis Time..: 13:17	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-206

TOTAL Metals

Lot-Sample #...: A5G010137-003 **Matrix.....:** WG
Date Sampled...: 06/30/05 11:28 **Date Received..:** 07/01/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1A4
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.22**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1A5**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1A6
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**18.0**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1A7**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**141 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1A8**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1AA
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**3.1**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1AC**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEQ4Q1AK
		Dilution Factor: 1		Analysis Time..: 12:36	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**36.1 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1AG**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**153**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1AD**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-206

TOTAL Metals

Lot-Sample #...: A5G010137-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.20 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1AE**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**102**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1AH**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0049 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1AF**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1AJ
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	**0.25**	**0.010**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1AV**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1AW
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1AX
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1A3
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1A0
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1AU
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-206

TOTAL Metals

Lot-Sample #...: A5G010137-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4Q1A1
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	**0.0037 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4Q1A2**
		Dilution Factor: 1		Analysis Time..: 13:22	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-204

TOTAL Metals

Lot-Sample #...: A5G010137-004 **Matrix.....:** WG
Date Sampled...: 06/30/05 13:59 **Date Received..:** 07/01/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1A4
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.013 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4T1A5**
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1A6
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.099 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4T1A7**
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**60.2 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4T1A8**
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1AA
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	ND	0.10	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1AC
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEQ4T1AK
		Dilution Factor: 1		Analysis Time..: 12:37	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**5.8 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4T1AG**
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**137**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4T1AD**
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-204

TOTAL Metals

Lot-Sample #...: A5G010137-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.011 B,J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4T1AE**
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**170**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4T1AH**
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.025 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4T1AF**
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1AJ
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1AV
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1AW
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1AX
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1A3
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1A0
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1AU
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-204

TOTAL Metals

Lot-Sample #...: A5G010137-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1A1
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ4T1A2
		Dilution Factor: 1		Analysis Time..: 13:27	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-205

TOTAL Metals

Lot-Sample #...: A5G010137-005 **Matrix.....:** WG
Date Sampled...: 06/30/05 13:50 **Date Received..:** 07/01/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1A4
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.59**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1A5**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1A6
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.40**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1A7**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**153 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1A8**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1AA
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**4.1**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1AC**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEQ4X1AK
		Dilution Factor: 1		Analysis Time..: 12:39	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**3.9 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1AG**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**108**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1AD**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-205

TOTAL Metals

Lot-Sample #...: A5G010137-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.018 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1AE**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**98.8**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1AH**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0033 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ4X1AF**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1AJ
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1AV
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1AW
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1AX
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1A3
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1A0
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1AU
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-205

TOTAL Metals

Lot-Sample #...: A5G010137-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1A1
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ4X1A2
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-204 DUPL

TOTAL Metals

Lot-Sample #...: A5G010137-006 **Matrix.....:** WG
Date Sampled...: 06/30/05 13:20 **Date Received..:** 07/01/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	**0.053 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411A4**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.015 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411A5**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ411A6
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.087 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411A7**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**57.5 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411A8**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEQ411AA
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	ND	0.10	mg/L	SW846 6010B	07/07-07/12/05	HEQ411AC
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEQ411AK
		Dilution Factor: 1		Analysis Time..: 12:30	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**5.8 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411AG**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**136**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411AD**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-204 DUPL

TOTAL Metals

Lot-Sample #...: A5G010137-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.021 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411AE**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**176**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411AH**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.027 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411AF**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEQ411AJ
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ411AV
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEQ411AW
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	**0.0013 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ411AX**
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ411A3
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEQ411A0
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ411AU
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-204 DUPL

TOTAL Metals

Lot-Sample #...: A5G010137-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ411A1
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ411A2
		Dilution Factor: 1		Analysis Time..: 13:36	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-203

TOTAL Metals

Lot-Sample #...: A5G010137-007 **Matrix.....:** WG
Date Sampled...: 06/30/05 15:32 **Date Received..:** 07/01/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HEQ451A4
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.098 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ451A5**
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ451A6
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.23**	**0.20**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ451A7**
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**29.4 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ451A8**
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HEQ451AA
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.037 B**	**0.10**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ451AC**
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HEQ451AK
		Dilution Factor: 1		Analysis Time..: 12:32	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**1.8 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ451AG**
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**45.3**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ451AD**
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-203

TOTAL Metals

Lot-Sample #...: A5G010137-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.00069 B,J**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ451AE**
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**29.4**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HEQ451AH**
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/07-07/12/05	HEQ451AF
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/07-07/12/05	HEQ451AJ
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ451AV
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HEQ451AW
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ451AX
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ451A3
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HEQ451A0
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HEQ451AU
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-203

TOTAL Metals

Lot-Sample #...: A5G010137-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HEQ451A1
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HEQ451A2
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck5ICV 07/08/05 10:56 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	2.5	2.36	**94.2**								

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 07/12/05 12:00 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	12500.0	12616.21	**100.9**								
Antimony	206.838	250.0	250.23	**100.1**								
Arsenic	189.042	250.0	243.86	**97.5**								
Barium	493.409	1000.0	962.96	**96.3**								
Beryllium	313.042	1000.0	1021.58	**102.2**								
Boron	249.678	1000.0	958.13	**95.8**								
Cadmium	226.502	250.0	252.81	**101.1**								
Calcium	317.933	25000.0	25019.45	**100.1**								
Chromium	267.716	1000.0	1008.49	**100.8**								
Cobalt	228.616	1000.0	1001.66	**100.2**								
Copper	324.753	1000.0	1016.22	**101.6**								
Iron	271.441	12500.0	12725.65	**101.8**								
Lead	220.353	250.0	255.52	**102.2**								
Magnesium	279.078	25000.0	24015.03	**96.1**								
Manganese	257.61	1000.0	990.58	**99.1**								
Nickel	231.604	1000.0	1010.73	**101.1**								
Potassium	766.491	25000.0	24942.84	**99.8**								
Selenium	196.026	250.0	249.34	**99.7**								
Sodium	330.232	25000.0	23824.54	**95.3**								
Vanadium	292.402	1000.0	982.17	**98.2**								
Zinc	213.856	1000.0	998.49	**99.8**								

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck2CCV 07/08/05 11:00 AM Found	% Rec	Ck2CCV 07/08/05 11:16 AM Found	% Rec	Ck2CCV 07/08/05 11:21 AM Found	% Rec	Ck2CCV 07/08/05 11:23 AM Found	% Rec	Ck2CCV 07/08/05 11:39 AM Found	% Rec
Mercury	253.7	5.0	5.11	**102.2**	5.22	**104.5**	5.29	**105.9**	5.18	**103.7**	5.33	**106.6**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck2CCV 07/08/05 11:54 AM Found	% Rec	Ck2CCV 07/08/05 12:11 PM Found	% Rec	Ck2CCV 07/08/05 12:27 PM Found	% Rec	Ck2CCV 07/08/05 12:43 PM Found	% Rec	Found	% Rec
Mercury	253.7	5.0	5.35	**106.9**	5.35	**107.1**	5.37	**107.3**	5.36	**107.2**		

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 07/12/05 12:30 PM Found	% Rec	CCV 07/12/05 1:48 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	25000.0	24674.61	**98.7**	24658.68	**98.6**						
Antimony	206.838	500.0	493.40	**98.7**	495.29	**99.1**						
Arsenic	189.042	500.0	494.19	**98.8**	493.40	**98.7**						
Barium	493.409	2000.0	1997.19	**99.9**	2000.27	**100.0**						
Beryllium	313.042	2000.0	2029.91	**101.5**	2034.64	**101.7**						
Boron	249.678	5000.0	4990.83	**99.8**	5018.70	**100.4**						
Cadmium	226.502	500.0	503.86	**100.8**	501.97	**100.4**						
Calcium	317.933	50000.0	49559.39	**99.1**	49455.35	**98.9**						
Chromium	267.716	2000.0	1995.91	**99.8**	1998.64	**99.9**						
Cobalt	228.616	2000.0	2015.11	**100.8**	2011.60	**100.6**						
Copper	324.753	2000.0	1992.72	**99.6**	1997.52	**99.9**						
Iron	271.441	25000.0	25105.22	**100.4**	25067.01	**100.3**						
Lead	220.353	500.0	501.06	**100.2**	500.94	**100.2**						
Magnesium	279.078	50000.0	48806.27	**97.6**	48578.10	**97.2**						
Manganese	257.61	2000.0	2007.00	**100.4**	1988.57	**99.4**						
Nickel	231.604	2000.0	1997.40	**99.9**	1957.38	**97.9**						
Potassium	766.491	50000.0	49723.75	**99.4**	49733.77	**99.5**						
Selenium	196.026	500.0	504.54	**100.9**	505.44	**101.1**						
Sodium	330.232	50000.0	46435.68	**92.9**	46542.94	**93.1**						
Vanadium	292.402	2000.0	1983.20	**99.2**	1986.07	**99.3**						
Zinc	213.856	2000.0	2021.98	**101.1**	2013.81	**100.7**						

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck3CRA\MRL 07/08/05 10:59 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	0.2	0.16	**82.3**								

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRI\MRL 07/12/05 12:12 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	200.0	204.14	**102.1**								
Antimony	206.838	10.0	8.97	**89.7**								
Arsenic	189.042	15.0	14.62	**97.5**								
Barium	493.409	10.0	9.96	**99.6**								
Beryllium	313.042	5.0	5.24	**104.8**								
Boron	249.678	200.0	191.12	**95.6**								
Cadmium	226.502	5.0	5.04	**100.8**								
Calcium	317.933	5000.0	5033.65	**100.7**								
Chromium	267.716	5.0	4.71	**94.3**								
Cobalt	228.616	5.0	5.07	**101.4**								
Copper	324.753	15.0	15.39	**102.6**								
Iron	271.441	300.0	297.63	**99.2**								
Lead	220.353	10.0	10.13	**101.3**								
Magnesium	279.078	5000.0	4737.18	**94.7**								
Manganese	257.61	15.0	15.30	**102.0**								
Nickel	231.604	25.0	25.29	**101.2**								
Potassium	766.491	5000.0	4864.43	**97.3**								
Selenium	196.026	20.0	21.82	**109.1**								
Sodium	330.232	5000.0	4837.41	**96.7**								
Vanadium	292.402	7.0	7.04	**100.6**								
Zinc	213.856	40.0	40.75	**101.9**								

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck4ICB 07/08/05 10:57 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U								

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 07/12/05 12:07 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	13.4	U								
Antimony	206.838	10	3.2	U								
Arsenic	189.042	10	2.4	U								
Barium	493.409	200	**0.4**	**B**								
Beryllium	313.042	5	**0.5**	**B**								
Boron	249.678	200	**4.0**	**B**								
Cadmium	226.502	2	0.1	U								
Calcium	317.933	5000	42.7	U								
Chromium	267.716	5	0.7	U								
Cobalt	228.616	7	0.4	U								
Copper	324.753	25	0.5	U								
Iron	271.441	100	4.0	U								
Lead	220.353	3	1.3	U								
Magnesium	279.078	5000	**16.5**	**B**								
Manganese	257.61	15	**0.5**	**B**								
Nickel	231.604	40	1.1	U								
Potassium	766.491	5000	**167.0**	**B**								
Selenium	196.026	5	3.2	U								
Sodium	330.232	5000	525.0	U								
Vanadium	292.402	7	**0.4**	**B**								
Zinc	213.856	20	1.7	U								

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 07/08/05 11:01 AM Found	Q	Ck1CCB 07/08/05 11:17 AM Found	Q	Ck1CCB 07/08/05 11:22 AM Found	Q	Ck1CCB 07/08/05 11:24 AM Found	Q	Ck1CCB 07/08/05 11:40 AM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: hg10708c.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 07/08/05 11:56 AM Found	Q	Ck1CCB 07/08/05 12:12 PM Found	Q	Ck1CCB 07/08/05 12:28 PM Found	Q	Ck1CCB 07/08/05 12:44 PM Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U		

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 07/12/05 12:37 PM Found	Q	CCB 07/12/05 1:56 PM Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	**56.2**	**B**	**25.3**	**B**						
Antimony	206.838	10	3.2	U	3.2	U						
Arsenic	189.042	10	2.4	U	2.4	U						
Barium	493.409	200	**0.7**	**B**	**0.5**	**B**						
Beryllium	313.042	5	**0.6**	**B**	**0.5**	**B**						
Boron	249.678	200	**11.6**	**B**	**13.2**	**B**						
Cadmium	226.502	2	**0.1**	**B**	0.1	U						
Calcium	317.933	5000	**97.3**	**B**	**71.9**	**B**						
Chromium	267.716	5	0.7	U	0.7	U						
Cobalt	228.616	7	**0.7**	**B**	0.4	U						
Copper	324.753	25	**1.2**	**B**	**0.7**	**B**						
Iron	271.441	100	**17.4**	**B**	**-4.0**	**B**						
Lead	220.353	3	1.3	U	**1.4**	**B**						
Magnesium	279.078	5000	**40.3**	**B**	**14.5**	**B**						
Manganese	257.61	15	**0.6**	**B**	**0.5**	**B**						
Nickel	231.604	40	**1.4**	**B**	**1.4**	**B**						
Potassium	766.491	5000	**167.0**	**B**	**164.0**	**B**						
Selenium	196.026	5	3.2	U	3.2	U						
Sodium	330.232	5000	525.0	U	525.0	U						
Vanadium	292.402	7	**0.5**	**B**	0.3	U						
Zinc	213.856	20	1.7	U	1.7	U						

U Result is less than the IDL

B Result is between IDL and RL

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A5G070000-014 **Prep Batch #...:** 5188014						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AK
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Barium	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AL
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AM
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Boron	ND	0.20	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AN
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Calcium	**0.20 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HE01D1AP**
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Copper	ND	0.025	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AQ
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Iron	ND	0.10	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AR
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Magnesium	ND	5.0	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AT
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Manganese	**0.00045 B**	**0.015**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HE01D1AU**
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	
Mercury	ND	0.00020	mg/L	SW846 7470A	07/07-07/08/05	HE01D1A1
		Dilution Factor: 1				
		Analysis Time..: 12:24	Analyst ID.....: 001086		Instrument ID..: H1	
Nickel	ND	0.040	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AV
		Dilution Factor: 1				
		Analysis Time..: 12:56	Analyst ID.....: 001619		Instrument ID..: I5	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**0.17 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HE01D1AW**
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Sodium	ND	5.0	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AX
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Zinc	**0.0096 B**	**0.020**	**mg/L**	**SW846 6010B**	**07/07-07/12/05**	**HE01D1A0**
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Antimony	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AA
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Arsenic	ND	0.010	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AC
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AD
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Chromium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AE
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Lead	ND	0.0030	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AF
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Selenium	ND	0.0050	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AG
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/07-07/12/05	HE01D1AH
		Dilution Factor: 1				
		Analysis Time..: 12:56		Analyst ID.....: 001619	Instrument ID..: I5	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	Reporting Limit	True Conc	ICSA 07/12/05 12:19 PM Found	Found	Found	Found	Found
Aluminum	308.215		500000	489000				
Antimony	206.838	10		0				
Arsenic	189.042	10		0				
Barium	493.409	200		2				
Beryllium	313.042	5		0				
Boron	249.678	200		-1				
Cadmium	226.502	2		0				
Calcium	317.933		500000	479000				
Chromium	267.716	5		5				
Cobalt	228.616	7		4				
Copper	324.753	25		6				
Iron	271.441		200000	191000				
Lead	220.353	3		4				
Magnesium	279.078		500000	501000				
Manganese	257.61	15		13				
Nickel	231.604	40		5				
Potassium	766.491	5000		157				
Selenium	196.026	5		-3				
Sodium	330.232	5000		-200				
Vanadium	292.402	7		0				
Zinc	213.856	20		31				

U Result is less than the IDL

B Result is between IDL and RL

Form 4 Equivalent

Metals Data Reporting Form

Interference Check Standard AB

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICSAB 07/12/05 12:24 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	500000	477570.2	**95.5**								
Antimony	206.838	1000	961.3	**96.1**								
Arsenic	189.042	1000	980.3	**98.0**								
Barium	493.409	500	499.8	**100.0**								
Beryllium	313.042	500	491.1	**98.2**								
Boron	249.678	1000	1003.7	**100.4**								
Cadmium	226.502	1000	933.4	**93.3**								
Calcium	317.933	500000	467754.6	**93.6**								
Chromium	267.716	500	479.3	**95.9**								
Cobalt	228.616	500	471.4	**94.3**								
Copper	324.753	500	502.4	**100.5**								
Iron	271.441	200000	186593.4	**93.3**								
Lead	220.353	1000	943.5	**94.3**								
Magnesium	279.078	500000	488897.7	**97.8**								
Manganese	257.61	500	477.7	**95.5**								
Nickel	231.604	1000	930.0	**93.0**								
Potassium	766.491	10000	10439.3	**104.4**								
Selenium	196.026	1000	937.0	**93.7**								
Sodium	330.232	10000	9810.7	**98.1**								
Vanadium	292.402	500	473.9	**94.8**								
Zinc	213.856	1000	1020.6	**102.1**								

N Spike recovery failed
NC Percent recovery was not calculated
U Result is less than the IDL

Form 4 Equivalent

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5G060137-001 **Prep Batch #...:** 5188014							
Aluminum	109	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CT
	105	(75 - 125)	4.3	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CU
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Barium	102	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CV
	98	(75 - 125)	3.3	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CW
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Beryllium	106	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CX
	102	(75 - 125)	4.0	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C0
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Boron	100	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C1
	97	(75 - 125)	2.1	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C2
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Calcium	92	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C3
	85	(75 - 125)	2.1	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C4
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Copper	108	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C5
	104	(75 - 125)	4.2	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C6
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Iron	NC,MSB	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C7
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1C8
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Magnesium	97	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1C9
	91	(75 - 125)	2.5	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DA
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	102	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DC
	97	(75 - 125)	3.8	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DD
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Mercury	112	(68 - 149)			SW846 7470A	07/07-07/08/05	HEXEE1DN
	107	(68 - 149)	4.7	(0-20)	SW846 7470A	07/07-07/08/05	HEXEE1DP
		Dilution Factor: 1					
		Analysis Time..: 12:45			Instrument ID..: H1	Analyst ID.....: 001086	
Nickel	100	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DE
	96	(75 - 125)	4.6	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DF
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Potassium	115	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DG
	112	(75 - 125)	1.4	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DH
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Sodium	98	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DJ
	95	(75 - 125)	1.6	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DK
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Zinc	105	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1DL
	101	(75 - 125)	4.1	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1DM
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Antimony	104	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1A9
	101	(75 - 125)	2.8	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CA
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Arsenic	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CC
	100	(75 - 125)	3.2	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CD
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Cadmium	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CE
	99	(75 - 125)	4.4	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CF
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	104	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CQ
	100	(75 - 125)	4.3	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CR
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Cobalt	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CG
	98	(75 - 125)	4.3	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CH
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Lead	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CJ
	99	(75 - 125)	4.4	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CK
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Selenium	105	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CL
	102	(75 - 125)	3.2	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CM
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	
Vanadium	103	(75 - 125)			SW846 6010B	07/07-07/12/05	HEXEE1CN
	99	(75 - 125)	3.8	(0-20)	SW846 6010B	07/07-07/12/05	HEXEE1CP
		Dilution Factor: 1					
		Analysis Time..: 14:20			Instrument ID..: I5	Analyst ID.....: 001619	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5G060137-001 **Prep Batch #...:** 5188014									
Aluminum									
	ND	2.0	2.2	mg/L	109		SW846 6010B	07/07-07/12/05	HEXEE1CT
	ND	2.0	2.1	mg/L	105	4.3	SW846 6010B	07/07-07/12/05	HEXEE1CU
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Barium									
	0.46	2.0	2.5	mg/L	102		SW846 6010B	07/07-07/12/05	HEXEE1CV
	0.46	2.0	2.4	mg/L	98	3.3	SW846 6010B	07/07-07/12/05	HEXEE1CW
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Beryllium									
	ND	0.050	0.053	mg/L	106		SW846 6010B	07/07-07/12/05	HEXEE1CX
	ND	0.050	0.051	mg/L	102	4.0	SW846 6010B	07/07-07/12/05	HEXEE1C0
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Boron									
	0.33	1.0	1.3	mg/L	100		SW846 6010B	07/07-07/12/05	HEXEE1C1
	0.33	1.0	1.3	mg/L	97	2.1	SW846 6010B	07/07-07/12/05	HEXEE1C2
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Calcium									
	129	50.0	175	mg/L	92		SW846 6010B	07/07-07/12/05	HEXEE1C3
	129	50.0	171	mg/L	85	2.1	SW846 6010B	07/07-07/12/05	HEXEE1C4
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Copper									
	ND	0.25	0.27	mg/L	108		SW846 6010B	07/07-07/12/05	HEXEE1C5
	ND	0.25	0.26	mg/L	104	4.2	SW846 6010B	07/07-07/12/05	HEXEE1C6
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Iron									
	11.5	1.0	12.3	mg/L			SW846 6010B	07/07-07/12/05	HEXEE1C7
			Qualifiers: NC,MSB						
	11.5	1.0	12.0	mg/L			SW846 6010B	07/07-07/12/05	HEXEE1C8
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	74.2	50.0	123	mg/L	97		SW846 6010B	07/07-07/12/05	HEXEE1C9
	74.2	50.0	120	mg/L	91	2.5	SW846 6010B	07/07-07/12/05	HEXEE1DA
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Manganese									
	0.11	0.50	0.62	mg/L	102		SW846 6010B	07/07-07/12/05	HEXEE1DC
	0.11	0.50	0.60	mg/L	97	3.8	SW846 6010B	07/07-07/12/05	HEXEE1DD
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Mercury									
	ND	0.0010	0.0011	mg/L	112		SW846 7470A	07/07-07/08/05	HEXEE1DN
	ND	0.0010	0.0011	mg/L	107	4.7	SW846 7470A	07/07-07/08/05	HEXEE1DP
			Dilution Factor: 1						
			Analysis Time..: 12:45		Instrument ID..: H1			Analyst ID.....: 001086	
Nickel									
	0.0021	0.50	0.50	mg/L	100		SW846 6010B	07/07-07/12/05	HEXEE1DE
	0.0021	0.50	0.48	mg/L	96	4.6	SW846 6010B	07/07-07/12/05	HEXEE1DF
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Potassium									
	26.1	50.0	83.4	mg/L	115		SW846 6010B	07/07-07/12/05	HEXEE1DG
	26.1	50.0	82.2	mg/L	112	1.4	SW846 6010B	07/07-07/12/05	HEXEE1DH
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Sodium									
	67.3	50.0	116	mg/L	98		SW846 6010B	07/07-07/12/05	HEXEE1DJ
	67.3	50.0	115	mg/L	95	1.6	SW846 6010B	07/07-07/12/05	HEXEE1DK
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Zinc									
	0.0066	0.50	0.53	mg/L	105		SW846 6010B	07/07-07/12/05	HEXEE1DL
	0.0066	0.50	0.51	mg/L	101	4.1	SW846 6010B	07/07-07/12/05	HEXEE1DM
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	0.50	0.52	mg/L	104		SW846 6010B	07/07-07/12/05	HEXEE1A9
	ND	0.50	0.51	mg/L	101	2.8	SW846 6010B	07/07-07/12/05	HEXEE1CA
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Arsenic									
	ND	2.0	2.1	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CC
	ND	2.0	2.0	mg/L	100	3.2	SW846 6010B	07/07-07/12/05	HEXEE1CD
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Cadmium									
	ND	0.050	0.052	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CE
	ND	0.050	0.049	mg/L	99	4.4	SW846 6010B	07/07-07/12/05	HEXEE1CF
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Chromium									
	ND	0.20	0.21	mg/L	104		SW846 6010B	07/07-07/12/05	HEXEE1CQ
	ND	0.20	0.20	mg/L	100	4.3	SW846 6010B	07/07-07/12/05	HEXEE1CR
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Cobalt									
	0.0022	0.50	0.52	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CG
	0.0022	0.50	0.49	mg/L	98	4.3	SW846 6010B	07/07-07/12/05	HEXEE1CH
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Lead									
	ND	0.50	0.52	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CJ
	ND	0.50	0.49	mg/L	99	4.4	SW846 6010B	07/07-07/12/05	HEXEE1CK
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	
Selenium									
	ND	2.0	2.1	mg/L	105		SW846 6010B	07/07-07/12/05	HEXEE1CL
	ND	2.0	2.0	mg/L	102	3.2	SW846 6010B	07/07-07/12/05	HEXEE1CM
			Dilution Factor: 1						
			Analysis Time..: 14:20		Instrument ID..: I5			Analyst ID.....: 001619	

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 06:30 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium									
	ND	0.50	0.52	mg/L	103		SW846 6010B	07/07-07/12/05	HEXEE1CN
	ND	0.50	0.50	mg/L	99	3.8	SW846 6010B	07/07-07/12/05	HEXEE1CP

Dilution Factor: 1
Analysis Time..: 14:20 Instrument ID..: I5 Analyst ID.....: 001619

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5G070000-014 **Prep Batch #...:** 5188014					
Aluminum	93	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CA
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Barium	89	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CC
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Beryllium	93	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CD
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Boron	88	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CE
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Calcium	89	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CF
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Copper	94	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CG
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Iron	102	(77 - 127)	SW846 6010B	07/07-07/12/05	HE01D1CH
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Magnesium	85	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CJ
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Manganese	90	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CK
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Nickel	90	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CL
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	99	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CM
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Sodium	86	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CN
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Zinc	96	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1CP
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Mercury	104	(82 - 131)	SW846 7470A	07/07-07/08/05	HE01D1CQ
		Dilution Factor: 1	Analysis Time..: 12:25	Analyst ID.....: 001086	
		Instrument ID..: H1			
Antimony	86	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A2
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Arsenic	90	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A3
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Cadmium	92	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A4
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Cobalt	91	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A5
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Lead	91	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A6
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Selenium	93	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A7
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			
Vanadium	90	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A8
		Dilution Factor: 1	Analysis Time..: 13:01	Analyst ID.....: 001619	
		Instrument ID..: I5			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	92	(80 - 120)	SW846 6010B	07/07-07/12/05	HE01D1A9

Dilution Factor: 1 Analysis Time..: 13:01 Analyst ID.....: 001619
Instrument ID..: I5

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5G070000-014 **Prep Batch #...:** 5188014							
Aluminum	2.0	1.9	mg/L	93	SW846 6010B	07/07-07/12/05	HE01D1CA
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Barium	2.0	1.8	mg/L	89	SW846 6010B	07/07-07/12/05	HE01D1CC
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Beryllium	0.050	0.047	mg/L	93	SW846 6010B	07/07-07/12/05	HE01D1CD
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Boron	1.0	0.88	mg/L	88	SW846 6010B	07/07-07/12/05	HE01D1CE
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Calcium	50.0	44.5	mg/L	89	SW846 6010B	07/07-07/12/05	HE01D1CF
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Copper	0.25	0.23	mg/L	94	SW846 6010B	07/07-07/12/05	HE01D1CG
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Iron	1.0	1.0	mg/L	102	SW846 6010B	07/07-07/12/05	HE01D1CH
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Magnesium	50.0	42.7	mg/L	85	SW846 6010B	07/07-07/12/05	HE01D1CJ
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Manganese	0.50	0.45	mg/L	90	SW846 6010B	07/07-07/12/05	HE01D1CK
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Nickel	0.50	0.45	mg/L	90	SW846 6010B	07/07-07/12/05	HE01D1CL
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	50.0	49.5	mg/L	99	SW846 6010B	07/07-07/12/05	HE01D1CM
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Sodium	50.0	43.1	mg/L	86	SW846 6010B	07/07-07/12/05	HE01D1CN
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Zinc	0.50	0.48	mg/L	96	SW846 6010B	07/07-07/12/05	HE01D1CP
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Mercury	0.0050	0.0052	mg/L	104	SW846 7470A	07/07-07/08/05	HE01D1CQ
			Dilution Factor: 1		Analysis Time..: 12:25	Analyst ID.....: 001086	
			Instrument ID..: H1				
Antimony	0.50	0.43	mg/L	86	SW846 6010B	07/07-07/12/05	HE01D1A2
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Arsenic	2.0	1.8	mg/L	90	SW846 6010B	07/07-07/12/05	HE01D1A3
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Cadmium	0.050	0.046	mg/L	92	SW846 6010B	07/07-07/12/05	HE01D1A4
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Cobalt	0.50	0.46	mg/L	91	SW846 6010B	07/07-07/12/05	HE01D1A5
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Lead	0.50	0.46	mg/L	91	SW846 6010B	07/07-07/12/05	HE01D1A6
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Selenium	2.0	1.9	mg/L	93	SW846 6010B	07/07-07/12/05	HE01D1A7
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				
Vanadium	0.50	0.45	mg/L	90	SW846 6010B	07/07-07/12/05	HE01D1A8
			Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 001619	
			Instrument ID..: I5				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	0.20	0.18	mg/L	92	SW846 6010B	07/07-07/12/05	HE01D1A9

Dilution Factor: 1 Analysis Time..: 13:01 Analyst ID.....: 001619
Instrument ID..: I5

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Mercury	253.700	0.2	0.10	04/14/05

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Aluminum	308.215	200.0	13.4	06/30/05
Antimony	206.838	10.0	3.2	06/30/05
Arsenic	189.042	10.0	2.4	06/30/05
Barium	493.409	200.0	0.10	06/30/05
Beryllium	313.042	5.0	0.10	06/30/05
Boron	249.678	200.0	2.6	06/30/05
Cadmium	226.502	2.0	0.12	06/30/05
Calcium	317.933	5000.0	42.7	06/30/05
Chromium	267.716	5.0	0.72	06/30/05
Cobalt	228.616	7.0	0.40	06/30/05
Copper	324.753	25.0	0.54	06/30/05
Iron	271.441	100.0	4.0	06/30/05
Lead	220.353	3.0	1.3	06/30/05
Magnesium	279.078	5000.0	5.7	06/30/05
Manganese	257.610	15.0	0.10	06/30/05
Nickel	231.604	40.0	1.1	06/30/05
Potassium	766.491	5000.0	20.8	06/30/05
Selenium	196.026	5.0	3.2	06/30/05
Sodium	330.232	5000.0	525	06/30/05
Vanadium	292.402	7.0	0.26	06/30/05
Zinc	213.856	20.0	1.7	06/30/05

STL North Canton

Metals Data Reporting Form

Inter-Element Correction Factors

Instrument: ICPST **Date of IEC's:** 07/01/05

Interfering Element	Wavelength /Mass	Correction Factor(s)
Aluminum	308.215	Cd(0.000004), Pb(-0.00002233), Sb(-0.00000667), Se(-0.00000667), Tl(-0.00002), Zn(0.000011)
Chromium	267.716	As(-0.00344), Fe(0.001539), Sb(0.01185333), Tl(0.000317)
Copper	324.753	Pb(0.00008667), Zn(0.000506)
Iron	271.441	As(0.000006), Cd(0.000078), Mn(0.000006), Mo(-0.00001), Pb(0.000044), Sb(0.000016), Se(-0.00018667), Tl(-0.00006), V(0.000027), Zn(0.000106)
Manganese	257.61	Ag(0.000126), Al(0.001466), Mg(-0.00193), Pb(0.00005733), Se(0.00056933), Tl(-0.00072)
Molybdenum	202.03	Al(0.011165), As(-0.00131), Cu(0.00048), Fe(0.002719), Pb(-0.00079), Sb(-0.00739233), V(-0.00027)
Nickel	231.604	Cd(0.000027), Co(0.00022), Pb(0.00018667), Sb(-0.00244667), Zn(0.006376)
Titanium	334.941	Be(-0.00155)
Vanadium	292.402	Al(0.024859), Be(0.000307), Cr(0.000165), Cu(-0.00024), Fe(0.011236), Pb(-0.00014), Sb(-0.00009333), Tl(0.002281)

STL North Canton

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICPST **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Aluminum	308.22	500000	07/01/05
Antimony	206.84	10000	07/01/05
Arsenic	189.04	10000	07/01/05
Barium	493.41	25000	07/01/05
Beryllium	313.04	4000	07/01/05
Boron	249.68	20000	07/01/05
Cadmium	226.50	2500	07/05/05
Calcium	317.93	600000	07/01/05
Chromium	267.72	50000	07/01/05
Cobalt	228.62	50000	07/01/05
Copper	324.75	50000	07/01/05
Iron	271.44	600000	07/01/05
Lead	220.35	15000	07/01/05
Magnesium	279.08	550000	07/05/05
Manganese	257.61	25000	07/01/05
Nickel	231.60	50000	07/01/05
Potassium	766.49	600000	07/01/05
Selenium	196.03	10000	07/01/05
Sodium	330.23	600000	07/01/05
Vanadium	292.40	50000	07/01/05
Zinc	213.86	10000	07/01/05

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number 5188014

Initials VPM/KC

Prep Date: 7/07/05

Due Date: 2005/07/13

Lot	Work Order				ICP Weight	ICPMS Weight	Hg Weight
A5G070000	HE01D	B	Due Date:	/ / 0			
Water	Total			SDG:			
A5G070000	HE01D	C	Due Date:	/ / 0			
Water	Total			SDG:			
A5G060283	HE0FM		Due Date:	7/13/05			
Water	Total			SDG:			
A5G010137	HEQ4D		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ4K		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ4Q		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ4T		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ4X		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ41		Due Date:	7/15/05			
Water	Total			SDG:			
A5G010137	HEQ45		Due Date:	7/15/05			
Water	Total			SDG:			
A5G060255	HEX79		Due Date:	7/15/05			
Water	Total			SDG:			
A5G060207	HEX19		Due Date:	7/19/05			
Water	Total			SDG:			
A5G060290	HE0HJ		Due Date:	7/19/05			
Water	Total			SDG:			
A5G060137	HEXEE		Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEE	D	Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEE	S	Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEG		Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEH		Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEJ		Due Date:	7/20/05			
Water	Total			SDG:			
A5G060137	HEXEL		Due Date:	7/20/05			
Water	Total			SDG:			

Severn Trent Laboratories, Inc.

Metals Prep Log/ Batch Summary

Batch Number **5188014**

Initials UPm1Ku

Prep Date: 7/07/05

Due Date: 2005/07/13

Lot	Work Order			ICP Weight	ICPMS Weight	Hg Weight
A5G060137	HEXEN	Due Date:	7/20/05			
Water	Total		SDG:			
A5G060137	HEXEP	Due Date:	7/20/05			
Water	Total		SDG:			
A5G060137	HEXER	Due Date:	7/20/05			
Water	Total		SDG:			
A5G060137	HEXET	Due Date:	7/20/05			
Water	Total		SDG:			

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH	/
MS/MSD AND PDS ON BATCH	/
CURVE PREPARED FOR Hg	
CORRECT SPIKES ADDED	/
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG	/

Comments:

B - BLANK ; C - CHECK SAMPLE ; L - CHECK SAMPLE DUPLICATE ; P - SERIAL DILUTION ; S - MATRIX SPIKE SAMPLE ; D - MATRIX SPIKE DUPLICATE SAMPLE

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE BX CA CD CO CR CU FE KX MG MN NA NI PB SB SE VX ZN

ICPMS ELEMENTS WITHIN THE BATCH:

MS/MSD 1: HEXEE	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD2:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD3:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
LCS/LCSD : HEOID	ICP-1	ICP-2A			Hg	Ag	ICPMS-1	ICPMS-2

Prep Method(s): MCAWW 200.7,MCAWW 245.1,SW846 3005A,SW846 7470A

```
:       Instrument Upload                                    Run Log - Page  1 :
:       Started Mon Jul 11 09:32:35 2005 by WILLIAML                           :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG10708C.PRN;1                       :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1REP1	1	08-JUL-2005	10:48:36			H1
2	STD2REP1	1	08-JUL-2005	10:49:43			H1
3	STD3REP1	1	08-JUL-2005	10:51:01			H1
4	STD4REP1	1	08-JUL-2005	10:52:40			H1
5	STD5REP1	1	08-JUL-2005	10:53:46			H1
6	STD6REP1	1	08-JUL-2005	10:55:34			H1
7	CK5ICV	1	08-JUL-2005	10:56:45			H1
8	CK4ICB	1	08-JUL-2005	10:57:56			H1
9	CK3CRA\MRL	1	08-JUL-2005	10:59:03			H1
10	CK2CCV	1	08-JUL-2005	11:00:31			H1
11	CK1CCB	1	08-JUL-2005	11:01:37			H1
12	IDL	1	08-JUL-2005	11:03:45			H1
13	IDL	1	08-JUL-2005	11:05:15			H1
14	IDL	1	08-JUL-2005	11:06:33			H1
15	IDL	1	08-JUL-2005	11:07:37			H1
16	IDL	1	08-JUL-2005	11:08:55			H1
17	ILD	1	08-JUL-2005	11:10:22			H1
18	IDL	1	08-JUL-2005	11:11:39			H1
19	HEW21B	1	08-JUL-2005	11:12:48	5187022	A5G060000	H1
20	HEW21C	1	08-JUL-2005	11:14:03	5187022	A5G060000	H1
21	HEF1N	1	08-JUL-2005	11:15:40	5187022	A5F270174	H1
22	CK2CCV	1	08-JUL-2005	11:16:45			H1
23	CK1CCB	1	08-JUL-2005	11:17:49			H1
24	HEF1NX	1	08-JUL-2005	11:18:57	5187022	A5F270174	H1
25	HEF1NS	1	08-JUL-2005	11:20:03	5187022	A5F270174	H1
26	CK2CCV	1	08-JUL-2005	11:21:18			H1
27	CK1CCB	1	08-JUL-2005	11:22:29			H1
28	CK2CCV	1	08-JUL-2005	11:23:39			H1
29	CK1CCB	1	08-JUL-2005	11:24:45			H1
30	HEG9E	1000	08-JUL-2005	11:26:00	5182034	A5F280159	H1
31	HEWGKBT	1	08-JUL-2005	11:27:04	5188017	A5G050000	H1
32	HE01KBT	1	08-JUL-2005	11:28:13	5188017	A5G070000	H1
33	HE01KCT	1	08-JUL-2005	11:29:18	5188017	A5G070000	H1
34	HEAW9T	1	08-JUL-2005	11:30:56	5188017	5F21136	H1
35	HEAW9TS	1	08-JUL-2005	11:32:01	5188017	5F21136	H1
36	HEAW9TD	1	08-JUL-2005	11:33:10	5188017	5F21136	H1
37	HEWFHB	1	08-JUL-2005	11:35:06			H1
38	HE01PB	1	08-JUL-2005	11:36:23			H1
39	HE01PC	1	08-JUL-2005	11:37:34			H1
40	CK2CCV	1	08-JUL-2005	11:39:02			H1
41	CK1CCB	1	08-JUL-2005	11:40:47			H1
42	HEGG8	1	08-JUL-2005	11:41:56			H1
43	HECHD	1	08-JUL-2005	11:43:00			H1
44	HECHL	1	08-JUL-2005	11:44:11			H1

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	HECHR	1	08-JUL-2005	11:45:35			H1
46	HEEQ3	1	08-JUL-2005	11:47:10	5188019	A5F250197	H1
47	HEEQ4	1	08-JUL-2005	11:48:30	5188019	A5F250197	H1
48	HEEQ6	1	08-JUL-2005	11:49:38	5188019	A5F250197	H1
49	HEERC	1	08-JUL-2005	11:50:55	5188019	A5F250197	H1
50	HEERD	1	08-JUL-2005	11:52:14	5188019	A5F250197	H1
51	HERXP	1	08-JUL-2005	11:53:21	5188019	A5G010239	H1
52	CK2CCV	1	08-JUL-2005	11:54:48			H1
53	CK1CCB	1	08-JUL-2005	11:56:03			H1
54	HER0N	1	08-JUL-2005	11:57:09	5188019	A5G010241	H1
55	HER0NS	1	08-JUL-2005	11:58:15	5188019	A5G010241	H1
56	HER0ND	1	08-JUL-2005	11:59:30	5188019	A5G010241	H1
57	HEWECBT	1	08-JUL-2005	12:01:25	5188020	A5G050000	H1
58	HE01RBT	1	08-JUL-2005	12:03:22	5188020	A5G070000	H1
59	HE01RCT	1	08-JUL-2005	12:05:02	5188020	A5G070000	H1
60	HEDKAT	1	08-JUL-2005	12:06:53	5188020	A5F240378	H1
61	HEPJ0T	1	08-JUL-2005	12:08:09	5188020	A5F300299	H1
62	HEPJDT	1	08-JUL-2005	12:09:15	5188020	A5F300299	H1
63	HER56T	1	08-JUL-2005	12:10:42	5188020	A5G010271	H1
64	CK2CCV	1	08-JUL-2005	12:11:53			H1
65	CK1CCB	1	08-JUL-2005	12:12:58			H1
66	HELQET	1	08-JUL-2005	12:14:13	5188020	A5F290253	H1
67	HELQETS	1	08-JUL-2005	12:15:30	5188020	A5F290253	H1
68	HELQETD	1	08-JUL-2005	12:16:49	5188020	A5F290253	H1
69	HEWE7BT	1	08-JUL-2005	12:18:24	5188018	A5G050000	H1
70	HE01MBT	1	08-JUL-2005	12:19:30	5188018	A5G070000	H1
71	HE01MCT	1	08-JUL-2005	12:20:57	5188018	A5G070000	H1
72	HE01MLT	1	08-JUL-2005	12:22:17	5188018	A5G070000	H1
73	HEDKHT	1	08-JUL-2005	12:23:34	5188018	A5F240378	H1
74	HE01DB	1	08-JUL-2005	12:24:43	5188014	A5G070000	H1
75	HE01DC	1	08-JUL-2005	12:25:54	5188014	A5G070000	H1
76	CK2CCV	1	08-JUL-2005	12:27:20			H1
77	CK1CCB	1	08-JUL-2005	12:28:34			H1
78	HE0FM	1	08-JUL-2005	12:29:39	5188014	A5G060283	H1
79	HEQ41	1	08-JUL-2005	12:30:47	5188014	A5G010137	H1
80	HEQ45	1	08-JUL-2005	12:32:26	5188014	A5G010137	H1
81	HEQ4D	1	08-JUL-2005	12:33:37	5188014	A5G010137	H1
82	HEQ4K	1	08-JUL-2005	12:34:54	5188014	A5G010137	H1
83	HEQ4Q	1	08-JUL-2005	12:36:24	5188014	A5G010137	H1
84	HEQ4T	1	08-JUL-2005	12:37:34	5188014	A5G010137	H1
85	HEQ4X	1	08-JUL-2005	12:39:06	5188014	A5G010137	H1
86	HEX79	1	08-JUL-2005	12:40:26	5188014	A5G060255	H1
87	HEXEE	1	08-JUL-2005	12:41:47	5188014	A5G060137	H1
88	CK2CCV	1	08-JUL-2005	12:43:02			H1

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	CK1CCB	1	08-JUL-2005	12:44:07			H1
90	HEXEES	1	08-JUL-2005	12:45:14	5188014	A5G060137	H1
91	HEXEED	1	08-JUL-2005	12:46:52	5188014	A5G060137	H1
92	HEXEG	1	08-JUL-2005	12:47:59	5188014	A5G060137	H1
93	HEXEH	1	08-JUL-2005	12:49:18	5188014	A5G060137	H1
94	HEXEJ	1	08-JUL-2005	12:50:27	5188014	A5G060137	H1
95	HEXEL	1	08-JUL-2005	12:52:08	5188014	A5G060137	H1
96	HEXEN	1	08-JUL-2005	12:53:44	5188014	A5G060137	H1
97	HEXEP	1	08-JUL-2005	12:55:06	5188014	A5G060137	H1
98	HEXER	1	08-JUL-2005	12:56:22	5188014	A5G060137	H1
99	HEXET	1	08-JUL-2005	12:57:53	5188014	A5G060137	H1
100	CK2CCV	1	08-JUL-2005	12:59:15			H1
101	CK1CCB	1	08-JUL-2005	13:01:00			H1
102	HEG9E	2000	08-JUL-2005	13:02:20	5182034	A5F280159	H1
103	CK2CCV	1	08-JUL-2005	13:03:57			H1
104	CK1CCB	1	08-JUL-2005	13:05:04			H1
105	CK2CCV	1	08-JUL-2005	14:03:07			H1
106	CK1CCB	1	08-JUL-2005	14:04:16			H1
107	HEXRGBT	1	08-JUL-2005	14:05:36	5189042	A5G060000	H1
108	HE3A7BT	1	08-JUL-2005	14:07:02	5189042	A5G080000	H1
109	HE3A7CT	1	08-JUL-2005	14:08:59	5189042	A5G080000	H1
110	HEJDMT	1	08-JUL-2005	14:10:38	5189042	5F28289	H1
111	HEJDMTS	1	08-JUL-2005	14:11:48	5189042	5F28289	H1
112	HEJDMTD	1	08-JUL-2005	14:13:03	5189042	5F28289	H1
113	HEKP5T	1	08-JUL-2005	14:14:20	5189042	5F29134	H1
114	HEKPQT	1	08-JUL-2005	14:15:48	5189042	5F29134	H1
115	HEL6TT	1	08-JUL-2005	14:17:14	5189042	A5F290312	H1
116	HEKQPT	1	08-JUL-2005	14:18:19	5189042	5F28289	H1
117	CK2CCV	1	08-JUL-2005	14:19:35			H1
118	CK1CCB	1	08-JUL-2005	14:20:41			H1
119	HEN6XT	1	08-JUL-2005	14:21:47	5189042	A5F300256	H1
120	HEN7AT	1	08-JUL-2005	14:23:17	5189042	A5F300256	H1
121	HEN7ET	1	08-JUL-2005	14:24:22	5189042	A5F300256	H1
122	HEN7JT	1	08-JUL-2005	14:25:31	5189042	A5F300256	H1
123	HERA9T	1	08-JUL-2005	14:26:37	5189042	5F28289	H1
124	HER44T	1	08-JUL-2005	14:27:58	5189042	A5G010266	H1
125	HER5ET	1	08-JUL-2005	14:29:03	5189042	A5G010268	H1
126	HEXWNBT	1	08-JUL-2005	14:30:08	5189040	A5G060000	H1
127	HE3A3BT	1	08-JUL-2005	14:31:47	5189040	A5G080000	H1
128	HE3A3CT	1	08-JUL-2005	14:32:55	5189040	A5G080000	H1
129	CK2CCV	1	08-JUL-2005	14:34:31			H1
130	CK1CCB	1	08-JUL-2005	14:35:55			H1
131	HET19T	1	08-JUL-2005	14:38:04	5189040	5F28289	H1
132	HET19TS	1	08-JUL-2005	14:39:16	5189040	5F28289	H1

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
133	HET19TD	1	08-JUL-2005	14:40:27	5189040	5F28289	H1
134	HEVV3T	1	08-JUL-2005	14:41:36	5189040	A5G050101	H1
135	HENFWT	1	08-JUL-2005	14:42:41	5189040	A5F300152	H1
136	HENGGT	1	08-JUL-2005	14:43:58	5189040	A5F300152	H1
137	HEXXHBT	1	08-JUL-2005	14:45:08	5189039	A5G060000	H1
138	HE3AXBT	1	08-JUL-2005	14:46:27	5189039	A5G080000	H1
139	HE3AXCT	1	08-JUL-2005	14:47:43	5189039	A5G080000	H1
140	HEVV0T	1	08-JUL-2005	14:49:01	5189039	A5G050101	H1
141	CK2CCV	1	08-JUL-2005	14:50:26			H1
142	CK1CCB	1	08-JUL-2005	14:51:30			H1
143	HEVV0TS	1	08-JUL-2005	14:52:37	5189039	A5G050101	H1
144	HEVV0TD	1	08-JUL-2005	14:54:12	5189039	A5G050101	H1
145	HE3CGB	1	08-JUL-2005	14:55:29	5189050	A5G080000	H1
146	HE3CGC	1	08-JUL-2005	14:56:37	5189050	A5G080000	H1
147	HEPTW	1	08-JUL-2005	14:57:42	5189050	A5F300334	H1
148	HEPTWS	1	08-JUL-2005	14:58:52	5189050	A5F300334	H1
149	HEPTWD	1	08-JUL-2005	15:00:32	5189050	A5F300334	H1
150	HEPVE	1	08-JUL-2005	15:01:47	5189050	A5F300334	H1
151	HEPVF	1	08-JUL-2005	15:03:07	5189050	A5F300334	H1
152	HEPVG	1	08-JUL-2005	15:04:16	5189050	A5F300334	H1
153	CK2CCV	1	08-JUL-2005	15:05:25			H1
154	CK1CCB	1	08-JUL-2005	15:06:41			H1
155	HEPVH	1	08-JUL-2005	15:08:07	5189050	A5F300334	H1
156	HEPVJ	1	08-JUL-2005	15:09:25	5189050	A5F300334	H1
157	HEPVK	1	08-JUL-2005	15:10:41	5189050	A5F300334	H1
158	HEPVL	1	08-JUL-2005	15:12:48	5189050	A5F300334	H1
159	HEPVM	1	08-JUL-2005	15:14:47	5189050	A5F300334	H1
160	HEPVN	1	08-JUL-2005	15:15:55	5189050	A5F300334	H1
161	HEPVQ	1	08-JUL-2005	15:17:01	5189050	A5F300334	H1
162	HEPVR	1	08-JUL-2005	15:18:10	5189050	A5F300334	H1
163	HEPVT	1	08-JUL-2005	15:19:20	5189050	A5F300334	H1
164	HEPVV	1	08-JUL-2005	15:21:26	5189050	A5F300334	H1
165	CK2CCV	1	08-JUL-2005	15:22:33			H1
166	CK1CCB	1	08-JUL-2005	15:23:53			H1
167	HE3CMB	1	08-JUL-2005	15:25:09	5189055	A5G080000	H1
168	HE3CMC	1	08-JUL-2005	15:26:17	5189055	A5G080000	H1
169	HET99	1	08-JUL-2005	15:27:29	5189055	A5G020162	H1
170	HET9G	1	08-JUL-2005	15:28:37	5189055	A5G020162	H1
171	HET9GS	1	08-JUL-2005	15:29:43	5189055	A5G020162	H1
172	HET9GD	1	08-JUL-2005	15:31:31	5189055	A5G020162	H1
173	HEVA1	1	08-JUL-2005	15:32:40	5189055	A5G020162	H1
174	HEVA4	1	08-JUL-2005	15:33:56	5189055	A5G020162	H1
175	HEVA8	1	08-JUL-2005	15:35:02	5189055	A5G020162	H1
176	HEVAA	1	08-JUL-2005	15:36:08	5189055	A5G020162	H1

```
:       Instrument Upload                                    Run Log - Page  5 :
:       Started Mon Jul 11 09:32:36 2005 by WILLIAML                           :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG10708C.PRN;1                       :
```

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
177	CK2CCV	1	08-JUL-2005	15:37:35			H1
178	CK1CCB	1	08-JUL-2005	15:38:44			H1
179	HEVAC	1	08-JUL-2005	15:40:05	5189055	A5G020162	H1
180	HEVAE	1	08-JUL-2005	15:41:21	5189055	A5G020162	H1
181	HEVAF	1	08-JUL-2005	15:42:30	5189055	A5G020162	H1
182	HEVAG	1	08-JUL-2005	15:43:49	5189055	A5G020162	H1
183	HEVAH	1	08-JUL-2005	15:44:57	5189055	A5G020162	H1
184	HEVAJ	1	08-JUL-2005	15:46:15	5189055	A5G020162	H1
185	HEVAL	1	08-JUL-2005	15:48:18	5189055	A5G020162	H1
186	HEVAP	1	08-JUL-2005	15:49:38	5189055	A5G020162	H1
187	HEVAQ	1	08-JUL-2005	15:50:44	5189055	A5G020162	H1
188	HEVAT	1	08-JUL-2005	15:52:12	5189055	A5G020162	H1
189	CK2CCV	1	08-JUL-2005	15:53:22			H1
190	CK1CCB	1	08-JUL-2005	15:54:29			H1
191	HEVAW	1	08-JUL-2005	15:55:37	5189055	A5G020162	H1
192	HEVCC	1	08-JUL-2005	15:56:55	5189055	A5G020162	H1
193	HEVCE	1	08-JUL-2005	15:58:14	5189055	A5G020162	H1
194	CRA\MRL	1	08-JUL-2005	15:59:34			H1
195	CK2CCV	1	08-JUL-2005	16:00:40			H1
196	CK1CCB	1	08-JUL-2005	16:01:56			H1

End of Report

```
:       Instrument Upload                                    Run Log - Page  1 :
:       Started Wed Jul 13 12:25:28 2005 by OMEARAP                            :
:       Data File: UPL$CAN_DATA_ROOT:<TJA>I50712A.ARC;1                        :
```

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1	1	12-JUL-2005	11:46:00			I5
2	CALSTD	1	12-JUL-2005	11:51:00			I5
3	CAL	1	12-JUL-2005	11:56:00			I5
4	ICV	1	12-JUL-2005	12:00:00			I5
5	ICB	1	12-JUL-2005	12:07:00			I5
6	CRI\MRL	1	12-JUL-2005	12:12:00			I5
7	ICSA	1	12-JUL-2005	12:19:00			I5
8	ICSAB	1	12-JUL-2005	12:24:00			I5
9	CCV	1	12-JUL-2005	12:30:00			I5
10	CCB	1	12-JUL-2005	12:37:00			I5
11	HE01DB	1	12-JUL-2005	12:56:00	5188014	A5G070000	I5
12	HE01DC	1	12-JUL-2005	13:01:00	5188014	A5G070000	I5
13	HE0FM	1	12-JUL-2005	13:07:00	5188014	A5G060283	I5
14	HEQ4D	1	12-JUL-2005	13:12:00	5188014	A5G010137	I5
15	HEQ4K	1	12-JUL-2005	13:17:00	5188014	A5G010137	I5
16	HEQ4Q	1	12-JUL-2005	13:22:00	5188014	A5G010137	I5
17	HEQ4T	1	12-JUL-2005	13:27:00	5188014	A5G010137	I5
18	HEQ4X	1	12-JUL-2005	13:31:00	5188014	A5G010137	I5
19	HEQ41	1	12-JUL-2005	13:36:00	5188014	A5G010137	I5
20	HEQ45	1	12-JUL-2005	13:41:00	5188014	A5G010137	I5
21	CCV	1	12-JUL-2005	13:48:00			I5
22	CCB	1	12-JUL-2005	13:56:00			I5
23	HEX79	1	12-JUL-2005	14:00:00	5188014	A5G060255	I5
24	HEX19	1	12-JUL-2005	14:05:00	5188014	A5G060207	I5
25	HE0HJ	1	12-JUL-2005	14:10:00	5188014	A5G060290	I5
26	HEXEE	1	12-JUL-2005	14:16:00	5188014	A5G060137	I5
27	HEXEES	1	12-JUL-2005	14:20:00	5188014	A5G060137	I5
28	HEXEED	1	12-JUL-2005	14:25:00	5188014	A5G060137	I5
29	HEXEG	1	12-JUL-2005	14:32:00	5188014	A5G060137	I5
30	HEXEH	1	12-JUL-2005	14:36:00	5188014	A5G060137	I5
31	HEXEJ	1	12-JUL-2005	14:41:00	5188014	A5G060137	I5
32	HEXEL	1	12-JUL-2005	14:46:00	5188014	A5G060137	I5
33	CCV	1	12-JUL-2005	14:53:00			I5
34	CCB	1	12-JUL-2005	15:01:00			I5
35	HEXEN	1	12-JUL-2005	15:05:00	5188014	A5G060137	I5
36	HEXEP	1	12-JUL-2005	15:10:00	5188014	A5G060137	I5
37	HEXER	1	12-JUL-2005	15:15:00	5188014	A5G060137	I5
38	HEXET	1	12-JUL-2005	15:20:00	5188014	A5G060137	I5
39	HEXETL	1	12-JUL-2005	15:25:00			I5
40	HEW2XB	1	12-JUL-2005	15:32:00	5187021	A5G060000	I5
41	HEW2XC	1	12-JUL-2005	15:36:00	5187021	A5G060000	I5
42	HEKLM	1	12-JUL-2005	16:30:00	5187021	A5F290129	I5
43	HEKLML	1	12-JUL-2005	16:35:00			I5
44	HEKMF	1	12-JUL-2005	16:40:00	5187021	A5F290129	I5

---------- (continued) ----------

INSTRUMENT PRINTOUTS

STL North Canton Hg Data Review Checklist

Run/Project Information

Run Date: 7-8-05 Analyst: ML Instrument: H1

Prep Batches Run: See run log

Circle Methods used: 7470A / 245.1 : CORP-MT-0005 Rev 1 7471 / 245.1 : CORP-MT-0007 Rev 1
CLP - AQ : CORP-MT-0006 Rev 0 CLP - SOL : CORP-MT-0008 Rev 0
1631 : NC-MT-0001 Rev 1

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B. Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I Analyst: Michael [illegible] Date: 7-8-05 10:48-13:05
Comments: [illegible] 7.11.05 14:03 - 16:01

2nd Level Reviewer: [illegible] Date: 7.8.05 10:48-13:05
Patrick [illegible] 7-11-05 1403-1601

Curve Prepared Date: 7-7-05 Time: 1:20 pm - 3:20 pm

ICV HPS 505228 $SnCl_2$ SMR 467

```
Hg    .0000   ppb      10132

*** Standard: 2 Rep: 1          Seq:  1      10:49:43 08 Jul 2005 HG

Hg    .2000   ppb      17688

*** Standard: 3 Rep: 1          Seq:  2      10:51:01 08 Jul 2005 HG

Hg    .5000   ppb      38125

*** Standard: 4 Rep: 1          Seq:  3      10:52:40 08 Jul 2005 HG

Hg    1.000   ppb      74569

*** Standard: 5 Rep: 1          Seq:  4      10:53:46 08 Jul 2005 HG

Hg    5.000   ppb      323431

*** Standard: 6 Rep: 1          Seq:  5      10:55:34 08 Jul 2005 HG

Hg    10.00   ppb      619228
```

RunFold: HG107080C Seq: 6 Batch:

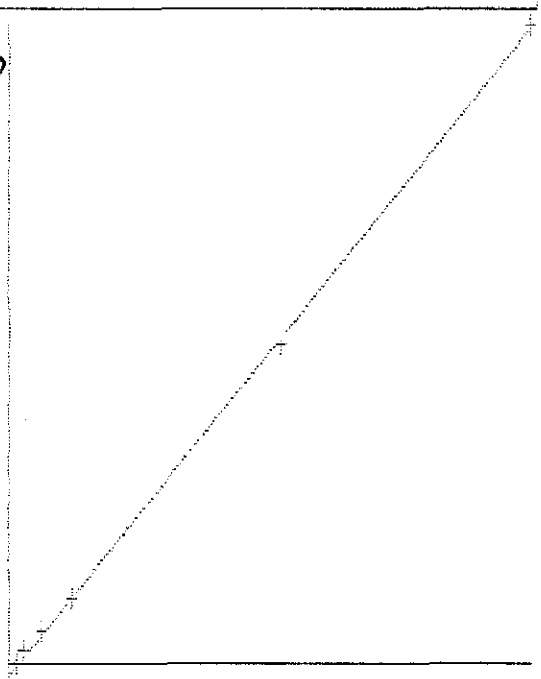
Prnt: R/T On Pump: On

Rev: 4.2 10:55:37 08 Jul 2005 Xmit: Off Gas: 0.70 LPM

State: Idle Macro SCOTT 66: F3 Print User: SMI A/S: On

CALIBRATION: Line proto: HGPPB

	Hg Conc.	Calc.	Dev.	Accepted ->linear
S1	.0000	.0043	.0043	Quadratic
S2	.2000	.1275	-.0725	Wtd linear
S3	.5000	.4608	-.0392	
S4	1.000	1.055	.0552	Accept
S5	5.000	5.114	.1140	
S6	10.00	9.936	-.0618	
A	.00000000	r	.999933	
B	1.63094e-5	C	-1.60976e-1	



Relative Absorbance

	Mean		SD	%RSD
S1	10132	0	SD	10132
S2	17688	0	%RSD	17688
S3	36125	0	%RSD	36125
S4	74569	0	%RSD	74569
S5	323431	0	%RSD	323431
S6	619228	0	%RSD	619228

New cal coefficients stored

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 5 Ck5ICV Seq: 6 10:56:45 08 Jul 2005 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 94.24 2.356 2.500 ppb .0000 %

*** Check Standard: 4 Ck4ICB Seq: 7 10:57:56 08 Jul 2005 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg -519600 -.0520 .0000 ppb .0000 %

*** Check Standard: 3 Ck3CRA\MRL Seq: 8 10:59:03 08 Jul 2005 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 82.27 .1645 .2000 ppb .0000 %

*** Check Standard: 2 Ck2CCV Seq: 9 11:00:31 08 Jul 2005 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 102.2 5.112 5.000 ppb .0000 %

*** Check Standard: 1 Ck1CCB Seq: 10 11:01:37 08 Jul 2005 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg -.0608 .2000 ppb .0000 %

*** Sample ID: IDL 1 Seq: 11 11:03:45 08 Jul 2005 HG
WATER
Hg .0361 ppb .0000 % .0361

AVG
-0.0143

*** Sample ID: IDL 2 Seq: 12 11:05:15 08 Jul 2005 HG
WATER
Hg -.0252 ppb .0000 % -.0252

SD
0.027249

*** Sample ID: IDL 3 Seq: 13 11:06:33 08 Jul 2005 HG
WATER
Hg -.0374 ppb .0000 % -.0374

IDL
0.081747

*** Sample ID: IDL 4 Seq: 14 11:07:37 08 Jul 2005 HG
WATER
Hg -.0315 ppb .0000 % -.0315

*** Sample ID: IDL 5 Seq: 15 11:08:55 08 Jul 2005 HG
WATER
Hg -.0035 ppb .0000 % -.0035

*** Sample ID: ILD 6 Seq: 16 11:10:22 08 Jul 2005 HG
WATER
Hg .0007 ppb .0000 % .0007

*** Sample ID: IDL 7 Seq: 17 11:11:39 08 Jul 2005 HG
WATER
Hg -.0393 ppb .0000 % -.0393

11:12:48 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEW21B Seq: 18 11:12:48 08 Jul 2005 HG

5187022

Hg (-.0250) ppb .0000 % -.0250

*** Sample ID: HEW21C Seq: 19 11:14:03 08 Jul 2005 HG

WATER

Hg (5.612) ppb .0000 % 5.612

*** Sample ID: HEF1N Seq: 20 11:15:40 08 Jul 2005 HG

PE Sample

WATER

Hg (3.281) ppb .0000 % 3.281

*** Check Standard: 2 Ck2CCV Seq: 21 11:16:45 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.5	5.224	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 22 11:17:49 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0869	.2000	ppb	.0000 %

*** Sample ID: HEF1NX Seq: 23 11:18:57 08 Jul 2005 HG

WATER

Hg (3.253) ppb .0000 % 3.253

*** Sample ID: HEF1NS Seq: 24 11:20:03 08 Jul 2005 HG

WATER

Hg (4.381) ppb .0000 % 4.381

*** Check Standard: 2 Ck2CCV Seq: 25 11:21:18 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.9	5.293	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 26 11:22:29 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0395	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 27 11:23:39 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.7	5.184	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 28 11:24:45 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0502	.2000	ppb	.0000 %

*** Sample ID: HEG9E/1000 Seq: 29 11:26:00 08 Jul 2005 HG

2000x

WATER

Hg 10.38 ppb .0000 % 10.38

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEWGKBT Seq: 30 11:27:04 08 Jul 2005 HG
5188017
Hg -.0716 ppb .0000 % -.0716

*** Sample ID: HE01KBT Seq: 31 11:28:13 08 Jul 2005 HG
WATER
Hg -.0661 ppb .0000 % -.0661

*** Sample ID: HE01KCT Seq: 32 11:29:18 08 Jul 2005 HG
WATER
Hg 5.321 ppb .0000 % 5.321

*** Sample ID: HEAW9T Seq: 33 11:30:56 08 Jul 2005 HG
WATER
Hg .1091 ppb .0000 % .1091

*** Sample ID: HEAW9TS Seq: 34 11:32:01 08 Jul 2005 HG
WATER
Hg 5.585 ppb .0000 % 5.585

*** Sample ID: HEAW9TD Seq: 35 11:33:10 08 Jul 2005 HG
WATER
Hg 5.391 ppb .0000 % 5.391

*** Sample ID: HEWFHB Seq: 36 11:35:06 08 Jul 2005 HG
5188019
Hg -.0524 ppb .0000 % -.0524

*** Sample ID: HE01PB Seq: 37 11:36:23 08 Jul 2005 HG
WATER
Hg -.0339 ppb .0000 % -.0339

*** Sample ID: HE01PC Seq: 38 11:37:34 08 Jul 2005 HG
WATER
Hg 4.690 ppb .0000 % 4.690

*** Check Standard: 2 Ck2CCV Seq: 39 11:39:02 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.6	5.332	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 40 11:40:47 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0015	.2000	ppb	.0000 %

*** Sample ID: HEGG8 (C) Seq: 41 11:41:56 08 Jul 2005 HG
ML7-P05
WATER
Hg .0005 ppb .0000 % .0005

11:43:00 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HECHD Seq: 42 11:43:00 08 Jul 2005 HG

WATER

Hg -.0134 ppb .0000 % -.0134

*** Sample ID: HECHL Seq: 43 11:44:11 08 Jul 2005 HG

WATER

Hg -.0072 ppb .0000 % -.0072

*** Sample ID: HECHR Seq: 44 11:45:35 08 Jul 2005 HG

WATER

Hg -.0303 ppb .0000 % -.0303

*** Sample ID: HEEQ3 Seq: 45 11:47:10 08 Jul 2005 HG

WATER

Hg .0166 ppb .0000 % .0166

*** Sample ID: HEEQ4 Seq: 46 11:48:30 08 Jul 2005 HG

WATER

Hg -.0207 ppb .0000 % -.0207

*** Sample ID: HEEQ6 Seq: 47 11:49:38 08 Jul 2005 HG

WATER

Hg -.0412 ppb .0000 % -.0412

*** Sample ID: HEERC Seq: 48 11:50:55 08 Jul 2005 HG

WATER

Hg -.0188 ppb .0000 % -.0188

*** Sample ID: HEERD Seq: 49 11:52:14 08 Jul 2005 HG

WATER

Hg -.0512 ppb .0000 % -.0512

*** Sample ID: HERXP Seq: 50 11:53:21 08 Jul 2005 HG

WATER

Hg -.0463 ppb .0000 % -.0463

*** Check Standard: 2 Ck2CCV Seq: 51 11:54:48 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.9	5.346	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 52 11:56:03 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0235	.2000	ppb	.0000 %

*** Sample ID: HERON Seq: 53 11:57:09 08 Jul 2005 HG

WATER

Hg .0039 ppb .0000 % .0039

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HERONS Seq: 54 11:58:15 08 Jul 2005 HG
WATER
Hg 5.210 ppb .0000 % 5.210

*** Sample ID: HEROND Seq: 55 11:59:30 08 Jul 2005 HG
WATER
Hg 5.487 ppb .0000 % 5.487

*** Sample ID: HEWECBT Seq: 56 12:01:25 08 Jul 2005 HG
5188020
Hg -.0158 ppb .0000 % -.0158

*** Sample ID: HE01RBT Seq: 57 12:03:22 08 Jul 2005 HG
WATER
Hg -.0335 ppb .0000 % -.0335

*** Sample ID: HE01RCT Seq: 58 12:05:02 08 Jul 2005 HG
WATER
Hg 5.427 ppb .0000 % 5.427

*** Sample ID: HEDKAT Seq: 59 12:06:53 08 Jul 2005 HG
WATER
Hg .0573 ppb .0000 % .0573

*** Sample ID: HEPJ0T Seq: 60 12:08:09 08 Jul 2005 HG
WATER
Hg .0330 ppb .0000 % .0330

*** Sample ID: HEPJDT Seq: 61 12:09:15 08 Jul 2005 HG
WATER
Hg .0050 ppb .0000 % .0050

*** Sample ID: HER56T Seq: 62 12:10:42 08 Jul 2005 HG
WATER
Hg .0557 ppb .0000 % .0557

*** Check Standard: 2 Ck2CCV Seq: 63 12:11:53 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.1	5.353	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 64 12:12:58 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0632	.2000	ppb	.0000 %

*** Sample ID: HELQET Seq: 65 12:14:13 08 Jul 2005 HG
WATER
Hg .0276 ppb .0000 % .0276

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HELQETS Seq: 66 12:15:30 08 Jul 2005 HG
WATER
Hg 5.312 ppb .0000 % 5.312

*** Sample ID: HELQETD Seq: 67 12:16:49 08 Jul 2005 HG
WATER
Hg 5.467 ppb .0000 % 5.467

*** Sample ID: HEWE7BT Seq: 68 12:18:24 08 Jul 2005 HG
5188018
Hg .0214 ppb .0000 % .0214

*** Sample ID: HE01MBT Seq: 69 12:19:30 08 Jul 2005 HG
WATER
Hg -.0201 ppb .0000 % -.0201

*** Sample ID: HE01MCT Seq: 70 12:20:57 08 Jul 2005 HG
WATER
Hg 5.230 ppb .0000 % 5.230

*** Sample ID: HE01MLT Seq: 71 12:22:17 08 Jul 2005 HG
WATER
Hg 4.925 ppb .0000 % 4.925

*** Sample ID: HEDKHT Seq: 72 12:23:34 08 Jul 2005 HG
WATER
Hg -.0911 ppb .0000 % -.0911

*** Sample ID: HE01DB Seq: 73 12:24:43 08 Jul 2005 HG
5188014
Hg -.0388 ppb .0000 % -.0388

*** Sample ID: HE01DC Seq: 74 12:25:54 08 Jul 2005 HG
WATER
Hg 5.211 ppb .0000 % 5.211

*** Check Standard: 2 Ck2CCV Seq: 75 12:27:20 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.3	5.367	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 76 12:28:34 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0136	.2000	ppb	.0000 %

*** Sample ID: HE0FM Seq: 77 12:29:39 08 Jul 2005 HG
WATER
Hg -.0353 ppb .0000 % -.0353

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEQ41 Seq: 78 12:30:47 08 Jul 2005 HG

WATER

Hg -.0777 ppb .0000 % -.0777

*** Sample ID: HEQ45 Seq: 79 12:32:26 08 Jul 2005 HG

WATER

Hg .0084 ppb .0000 % .0084

*** Sample ID: HEQ4D Seq: 80 12:33:37 08 Jul 2005 HG

WATER

Hg .0095 ppb .0000 % .0095

*** Sample ID: HEQ4K Seq: 81 12:34:54 08 Jul 2005 HG

WATER

Hg -.0289 ppb .0000 % -.0289

*** Sample ID: HEQ4Q Seq: 82 12:36:24 08 Jul 2005 HG

WATER

Hg -.0303 ppb .0000 % -.0303

*** Sample ID: HEQ4T Seq: 83 12:37:34 08 Jul 2005 HG

WATER

Hg -.0770 ppb .0000 % -.0770

*** Sample ID: HEQ4X Seq: 84 12:39:06 08 Jul 2005 HG

WATER

Hg -.0374 ppb .0000 % -.0374

*** Sample ID: HEX79 Seq: 85 12:40:26 08 Jul 2005 HG

WATER

Hg -.0053 ppb .0000 % -.0053

*** Sample ID: HEXEE Seq: 86 12:41:47 08 Jul 2005 HG

WATER

Hg .0199 ppb .0000 % .0199

*** Check Standard: 2 Ck2CCV Seq: 87 12:43:02 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.2	5.361	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 88 12:44:07 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0604	.2000	ppb	.0000 %

*** Sample ID: HEXEES Seq: 89 12:45:14 08 Jul 2005 HG

WATER

Hg 1.117 ppb .0000 % 1.117

12:46:52 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEXEED Seq: 90 12:46:52 08 Jul 2005 HG
WATER
Hg 1.066 ppb .0000 % 1.066

*** Sample ID: HEXEG Seq: 91 12:47:59 08 Jul 2005 HG
WATER
Hg -.0831 ppb .0000 % -.0831

*** Sample ID: HEXEH Seq: 92 12:49:18 08 Jul 2005 HG
WATER
Hg -.0655 ppb .0000 % -.0655

*** Sample ID: HEXEJ Seq: 93 12:50:27 08 Jul 2005 HG
WATER
Hg -.0393 ppb .0000 % -.0393

*** Sample ID: HEXEL Seq: 94 12:52:08 08 Jul 2005 HG
WATER
Hg .0326 ppb .0000 % .0326

*** Sample ID: HEXEN Seq: 95 12:53:44 08 Jul 2005 HG
WATER
Hg .0296 ppb .0000 % .0296

*** Sample ID: HEXEP Seq: 96 12:55:06 08 Jul 2005 HG
WATER
Hg -.0322 ppb .0000 % -.0322

*** Sample ID: HEXER Seq: 97 12:56:22 08 Jul 2005 HG
WATER
Hg -.0694 ppb .0000 % -.0694

*** Sample ID: HEXET Seq: 98 12:57:53 08 Jul 2005 HG
WATER
Hg -.0547 ppb .0000 % -.0547

*** Check Standard: 2 Ck2CCV Seq: 99 12:59:15 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.4	5.369	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 100 13:01:00 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0373	.2000	ppb	.0000 %

*** Sample ID: HEG9E/2000 Seq: 101 13:02:20 08 Jul 2005 HG
WATER
Hg 5.353 ppb .0000 % 5.353

13:03:57 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2CCV Seq: 102 13:03:57 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.1	5.305	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 103 13:05:04 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0647	.2000	ppb	.0000 %

```
Line  Flag  %Rcv.    Found     True  Units      SD/RSD
Hg          101.9    5.096    5.000  ppb         .0000 %

*** Check Standard: 1  Ck1CCB        Seq:  105     14:04:16 08 Jul 2005 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.0516    .2000    ppb         .0000 %

*** Sample ID: HEXRGBT                Seq:  106     14:05:36 08 Jul 2005 HG
                              5189042
Hg  -.0191  ppb        .0000 %  -.0191

*** Sample ID: HE3A7BT                Seq:  107     14:07:02 08 Jul 2005 HG
                             WATER
Hg  -.0687  ppb        .0000 %  -.0687

*** Sample ID: HE3A7CT                Seq:  108     14:08:59 08 Jul 2005 HG
                             WATER
Hg  4.557   ppb        .0000 %   4.557

*** Sample ID: HEJDMT                 Seq:  109     14:10:38 08 Jul 2005 HG
                             WATER
Hg  .0129   ppb        .0000 %   .0129

*** Sample ID: HEJDMTS                Seq:  110     14:11:48 08 Jul 2005 HG
                             WATER
Hg  4.863   ppb        .0000 %   4.863

*** Sample ID: HEJDMTD                Seq:  111     14:13:03 08 Jul 2005 HG
                             WATER
Hg  4.775   ppb        .0000 %   4.775

*** Sample ID: HEKP5T                 Seq:  112     14:14:20 08 Jul 2005 HG
                             WATER
Hg  -.0354  ppb        .0000 %  -.0354

*** Sample ID: HEKPQT                 Seq:  113     14:15:48 08 Jul 2005 HG
                             WATER
Hg  .0370   ppb        .0000 %   .0370
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEL6TT Seq: 114 14:17:14 08 Jul 2005 HG

WATER

Hg -.0113 ppb .0000 % -.0113

*** Sample ID: HEKQPT Seq: 115 14:18:19 08 Jul 2005 HG

WATER

Hg -.0927 ppb .0000 % -.0927

*** Check Standard: 2 Ck2CCV Seq: 116 14:19:35 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.5	5.274	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 117 14:20:41 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0486	.2000	ppb	.0000 %

*** Sample ID: HEN6XT Seq: 118 14:21:47 08 Jul 2005 HG

WATER

Hg .0100 ppb .0000 % .0100

*** Sample ID: HEN7AT Seq: 119 14:23:17 08 Jul 2005 HG

WATER

Hg -.0200 ppb .0000 % -.0200

*** Sample ID: HEN7ET Seq: 120 14:24:22 08 Jul 2005 HG

WATER

Hg .0930 ppb .0000 % .0930

*** Sample ID: HEN7JT Seq: 121 14:25:31 08 Jul 2005 HG

WATER

Hg .0172 ppb .0000 % .0172

*** Sample ID: HERA9T Seq: 122 14:26:37 08 Jul 2005 HG

WATER

Hg .0055 ppb .0000 % .0055

*** Sample ID: HER44T Seq: 123 14:27:58 08 Jul 2005 HG

WATER

Hg .0524 ppb .0000 % .0524

*** Sample ID: HER5ET Seq: 124 14:29:03 08 Jul 2005 HG

WATER

Hg 1.875 ppb .0000 % 1.875

*** Sample ID: HEXWNBT Seq: 125 14:30:08 08 Jul 2005 HG

5189040

Hg -.0311 ppb .0000 % -.0311

14:31:47 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HE3A3BT Seq: 126 14:31:47 08 Jul 2005 HG

WATER

Hg .0005 ppb .0000 % .0005

*** Sample ID: HE3A3CT Seq: 127 14:32:55 08 Jul 2005 HG

WATER

Hg 5.083 ppb .0000 % 5.083

*** Check Standard: 2 Ck2CCV Seq: 128 14:34:31 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.7	5.337	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 129 14:35:55 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0516	.2000	ppb	.0000 %

*** Sample ID: HET19T Seq: 130 14:38:04 08 Jul 2005 HG

WATER

Hg .0085 ppb .0000 % .0085

*** Sample ID: HET19TS Seq: 131 14:39:16 08 Jul 2005 HG

WATER

Hg 4.927 ppb .0000 % 4.927

*** Sample ID: HET19TD Seq: 132 14:40:27 08 Jul 2005 HG

WATER

Hg 5.025 ppb .0000 % 5.025

*** Sample ID: HEVV3T Seq: 133 14:41:36 08 Jul 2005 HG

WATER

Hg -.0164 ppb .0000 % -.0164

*** Sample ID: HENFWT Seq: 134 14:42:41 08 Jul 2005 HG

WATER

Hg -.0077 ppb .0000 % -.0077

*** Sample ID: HENGGT Seq: 135 14:43:58 08 Jul 2005 HG

WATER

Hg 2.544 ppb .0000 % 2.544

*** Sample ID: HEXXHBT Seq: 136 14:45:08 08 Jul 2005 HG

5189039

Hg .0324 ppb .0000 % .0324

*** Sample ID: HE3AXBT Seq: 137 14:46:27 08 Jul 2005 HG

WATER

Hg -.0369 ppb .0000 % -.0369

14:47:43 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HE3AXCT Seq: 138 14:47:43 08 Jul 2005 HG

WATER

Hg 4.761 ppb .0000 % 4.761

*** Sample ID: HEVV0T Seq: 139 14:49:01 08 Jul 2005 HG

WATER

Hg .0655 ppb .0000 % .0655

*** Check Standard: 2 Ck2CCV Seq: 140 14:50:26 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.2	5.360	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 141 14:51:30 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0490	.2000	ppb	.0000 %

*** Sample ID: HEVV0TS Seq: 142 14:52:37 08 Jul 2005 HG

WATER

Hg 5.343 ppb .0000 % 5.343

*** Sample ID: HEVV0TD Seq: 143 14:54:12 08 Jul 2005 HG

WATER

Hg 5.022 ppb .0000 % 5.022

*** Sample ID: HE3CGB Seq: 144 14:55:29 08 Jul 2005 HG

5189050

Hg -.0300 ppb .0000 % -.0300

*** Sample ID: HE3CGC Seq: 145 14:56:37 08 Jul 2005 HG

WATER

Hg 5.100 ppb .0000 % 5.100

*** Sample ID: HEPTW Seq: 146 14:57:42 08 Jul 2005 HG

WATER

Hg -.0802 ppb .0000 % -.0802

*** Sample ID: HEPTWS Seq: 147 14:58:52 08 Jul 2005 HG

WATER

Hg 1.093 ppb .0000 % 1.093

*** Sample ID: HEPTWD Seq: 148 15:00:32 08 Jul 2005 HG

WATER

Hg 1.117 ppb .0000 % 1.117

*** Sample ID: HEPVE Seq: 149 15:01:47 08 Jul 2005 HG

WATER

Hg -.0336 ppb .0000 % -.0336

15:03:07 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEPVF Seq: 150 15:03:07 08 Jul 2005 HG

WATER

Hg -.0040 ppb .0000 % -.0040

*** Sample ID: HEPVG Seq: 151 15:04:16 08 Jul 2005 HG

WATER

Hg .0183 ppb .0000 % .0183

*** Check Standard: 2 Ck2CCV Seq: 152 15:05:25 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.2	5.361	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 153 15:06:41 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0053	.2000	ppb	.0000 %

*** Sample ID: HEPVH Seq: 154 15:08:07 08 Jul 2005 HG

WATER

Hg -.0496 ppb .0000 % -.0496

*** Sample ID: HEPVJ Seq: 155 15:09:25 08 Jul 2005 HG

WATER

Hg -.0105 ppb .0000 % -.0105

*** Sample ID: HEPVK Seq: 156 15:10:41 08 Jul 2005 HG

WATER

Hg -.0604 ppb .0000 % -.0604

*** Sample ID: HEPVL Seq: 157 15:12:48 08 Jul 2005 HG

WATER

Hg -.0625 ppb .0000 % -.0625

*** Sample ID: HEPVM Seq: 158 15:14:47 08 Jul 2005 HG

WATER

Hg -.0141 ppb .0000 % -.0141

*** Sample ID: HEPVN Seq: 159 15:15:55 08 Jul 2005 HG

WATER

Hg -.0327 ppb .0000 % -.0327

*** Sample ID: HEPVQ Seq: 160 15:17:01 08 Jul 2005 HG

WATER

Hg -.0103 ppb .0000 % -.0103

*** Sample ID: HEPVR Seq: 161 15:18:10 08 Jul 2005 HG

WATER

Hg -.0312 ppb .0000 % -.0312

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEPVT Seq: 162 15:19:20 08 Jul 2005 HG

WATER

Hg -.0650 ppb .0000 % -.0650

*** Sample ID: HEPVV Seq: 163 15:21:26 08 Jul 2005 HG

WATER

Hg -.0313 ppb .0000 % -.0313

*** Check Standard: 2 Ck2CCV Seq: 164 15:22:33 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.4	5.319	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 165 15:23:53 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0023	.2000	ppb	.0000 %

*** Sample ID: HE3CMB Seq: 166 15:25:09 08 Jul 2005 HG

5189055

Hg -.0152 ppb .0000 % -.0152

*** Sample ID: HE3CMC Seq: 167 15:26:17 08 Jul 2005 HG

WATER

Hg 4.848 ppb .0000 % 4.848

*** Sample ID: HET99 Seq: 168 15:27:29 08 Jul 2005 HG

WATER

Hg .0064 ppb .0000 % .0064

*** Sample ID: HET9G Seq: 169 15:28:37 08 Jul 2005 HG

WATER

Hg -.0453 ppb .0000 % -.0453

*** Sample ID: HET9GS Seq: 170 15:29:43 08 Jul 2005 HG

WATER

Hg .9950 ppb .0000 % .9950

*** Sample ID: HET9GD Seq: 171 15:31:31 08 Jul 2005 HG

WATER

Hg 1.045 ppb .0000 % 1.045

*** Sample ID: HEVA1 Seq: 172 15:32:40 08 Jul 2005 HG

WATER

Hg -.0127 ppb .0000 % -.0127

*** Sample ID: HEVA4 Seq: 173 15:33:56 08 Jul 2005 HG

WATER

Hg -.0021 ppb .0000 % -.0021

15:35:02 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEVA8 Seq: 174 15:35:02 08 Jul 2005 HG

WATER

Hg .0443 ppb .0000 % .0443

*** Sample ID: HEVAA Seq: 175 15:36:08 08 Jul 2005 HG

WATER

Hg -.0326 ppb .0000 % -.0326

*** Check Standard: 2 Ck2CCV Seq: 176 15:37:35 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.4	5.320	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 177 15:38:44 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0428	.2000	ppb	.0000 %

*** Sample ID: HEVAC Seq: 178 15:40:05 08 Jul 2005 HG

WATER

Hg -.0213 ppb .0000 % -.0213

*** Sample ID: HEVAE Seq: 179 15:41:21 08 Jul 2005 HG

WATER

Hg -.0051 ppb .0000 % -.0051

*** Sample ID: HEVAF Seq: 180 15:42:30 08 Jul 2005 HG

WATER

Hg -.0392 ppb .0000 % -.0392

*** Sample ID: HEVAG Seq: 181 15:43:49 08 Jul 2005 HG

WATER

Hg -.0282 ppb .0000 % -.0282

*** Sample ID: HEVAH Seq: 182 15:44:57 08 Jul 2005 HG

WATER

Hg .0130 ppb .0000 % .0130

*** Sample ID: HEVAJ Seq: 183 15:46:15 08 Jul 2005 HG

WATER

Hg .0022 ppb .0000 % .0022

*** Sample ID: HEVAL Seq: 184 15:48:18 08 Jul 2005 HG

WATER

Hg .0219 ppb .0000 % .0219

*** Sample ID: HEVAP Seq: 185 15:49:38 08 Jul 2005 HG

WATER

Hg -.0022 ppb .0000 % -.0022

15:50:44 08 Jul 2005 Protocol: HGPPB

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEVAQ Seq: 186 15:50:44 08 Jul 2005 HG

WATER

Hg -.0133 ppb .0000 % -.0133

*** Sample ID: HEVAT Seq: 187 15:52:12 08 Jul 2005 HG

WATER

Hg .0035 ppb .0000 % .0035

*** Check Standard: 2 Ck2CCV Seq: 188 15:53:22 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.6	5.329	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 189 15:54:29 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0672	.2000	ppb	.0000 %

*** Sample ID: HEVAW Seq: 190 15:55:37 08 Jul 2005 HG

WATER

Hg -.0781 ppb .0000 % -.0781

*** Sample ID: HEVCC Seq: 191 15:56:55 08 Jul 2005 HG

WATER

Hg -.0993 ppb .0000 % -.0993

*** Sample ID: HEVCE Seq: 192 15:58:14 08 Jul 2005 HG

WATER

Hg -.0594 ppb .0000 % -.0594

*** Sample ID: CRA\MRL Seq: 193 15:59:34 08 Jul 2005 HG

WATER

Hg .2289 ppb .0000 % .2289

*** Check Standard: 2 Ck2CCV Seq: 194 16:00:40 08 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.6	5.330	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 195 16:01:56 08 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0454	.2000	ppb	.0000 %

SCAL	STD 5K284	ICSA	STD 5F344	CAL1/CRI	STD
SCAL2	STD 5E283	ICSAB	STD 5G378	CAL2 (2X)- CAL3	STD
CRI	STD 5G367	ICV	STD 5F313	SCAL (2X)- CAL 2	STD
CLP CRI	STD —	CCV	STD 5G381	ICSAB 4.0	STD

STL North Canton ICP Data Review Checklist

Run/Project Information:

Run Date: 7/12/05 Analyst: PSD Instrument: I5

Prep Batches Run: SEE RUN LOG

Circle Methods used: (6010B / 200.7:) CORP-MT-0001 Rev 3.2
CLP ILM04.0: CORP-MT-0002 Rev 1.1
6010A/200.7: CORP-MT-0001NC, Rev 2

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions (2 exposures/sample) and at SOP specified levels ?	/			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? *(ICV (2nd source):200.7=95 –105%, 6010B/CLP, 90-110%) (CCV: 90 – 110%)*	/			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	/			✓
4. High Std. (HCAL) reanalyzed before samples and recovered within QC limits ? (6010A 95-105%, CLP,6010B- N/A)			/	
5. CRI run at SOP or project-specific frequency? Recovered within QC limits? (6010A +/- 50%, project specific limits may vary)	/			✓
6. ICSA/ICSAB run at required frequency and within SOP limits ?	/			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?	/			✓
2. All reported results bracketed by in control QC ?	/			✓
3. Sample analyses done within holding time ?	/			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	/			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	/			✓
3. MS/MSD run at required frequency and within limits ?	/			✓
4. MSD or DU run at required frequency and RPD within SOP limits ?	/			✓
5. Serial dilution done per prep batch (or per SDG for CLP) ?	/			✓
6. Post digest spike analyzed if required?	/			✓
D. Other	/			
1. Are all nonconformances documented appropriately ?	/			✓
2. Current IDL/MDL/LR/IEC data on file ?	/			✓
3. Calculations checked for error ?	/			✓
4. Transcriptions checked for error ?	/			✓
5. All client/project specific requirements met ?	/			✓
6. Date/time of analysis verified as correct ?	/			✓

Level I Analyst: [signature] Date: 7/13/05 Time: 1146-1130
Comments: [signature] 7/13/05 1201-1226
BCD 7/14/05

Level II Reviewer: [signature] Date: 7.13.05 Time: 11:46-11:30
Comments: [signature] 7.14.05 12:01-12:26

n: /metals/icpchk.doc
Revision 2.0, 05/13/05

Clouseau
Nonconformance Memo

SEVERN TRENT STL

NCM #: 01-10836
NCM Initiated By: Dorothy Leeson
Date Opened: 03/05/2004
Date Closed: 03/08/2004

Classification: Anomaly
Status: CLOSED
Production Area: Metals
Tests: None
Lot #'s (Sample #'s): ,
QC Batches: None.,

Nonconformance: Other (describe in detail)
Subcategory: Other (explanation required)

Problem Description / Root Cause

Name	Date	Description
Dorothy Leeson	03/05/2004	Stock standard solutions used for ICP ICSA solutions commonly have low level contamination for certain elements, especially zinc.

Verified contamination is not corrected by interelement correction factors (IEC's) since instrumental determination of the presence of the analyte is due not to spectral interference but due to actual presence of the element in the solution. Contamination can be verified by performing a wavelength scan of the standard solution. If contamination exists, the peak apex will be directly at the expected wavelength for the element of concern. If the presence of the analyte is due to interference from another analyte which produces a peak near the element of concern, the peak apex of the interfering analyte will not be exactly at the wavelength for the element of concern, and an IEC would be generated.

If contamination for an element such as zinc is suspected, an IEC would be inappropriate, and the concentration during analysis of the daily ICSA solution may exceed SOP criteria. In these cases, this NCM will be referenced and a copy of this NCM will be included with the run.

Zinc contamination in ICSA stock solutions has been verified in this lab at various times with wavelength scans. Similarly, contamination for other elements has been verified when suspected. An example scan is included with the I6 ICP analytical run from 4/3/01.

Corrective Action

Name	Date	Corrective Action
Dorothy Leeson	03/05/2004	

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note
	Response	Response Note			

Quality Assurance Verification

Verified By	Due Date	Status	Notes
LAMBERTB		Verified/completed	

Method: TOTAL Sample Name: STD1-Blank Operator:
Run Time: 07/12/05 11:46 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	count	count	count	count	count	count
Avge	-.00029	.06054	-.0058	.00225	.00069	.00406
SDev	.00154	.00008	.00188	.0001	.00014	0
%RSD	520.356	.14423	32.402	4.80705	20.345	.14497

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	count	count	count	count	count	count
Avge	.01143	-.00433	-.00064	.00208	.00948	-.00044
SDev	.00001	.00272	.00006	.00042	.00002	.00006
%RSD	.14497	62.9173	10.7344	20.345	.22427	15.5703

Elems	K	Mg	Mn	Mo	Na	Ni
Units	count	count	count	count	count	count
Avge	.01396	.00903	.002	.00027	.0024	.00128
SDev	.00051	.00032	.00003	.00003	.00003	0
%RSD	3.65534	3.63197	1.89089	13.0002	1.6029	.14497

Elems	Sn	Ti	Tl	V	Zn	2203\1
Units	count	count	count	count	count	count
Avge	.00215	-.00007	-.02786	.00019	.00336	.0125
SDev	.00087	.0001	.00714	.0002	.00014	.00117
%RSD	40.7713	141.421	25.6589	106.003	4.30429	9.38573

Elems	2203\2	1960\1	1960\2	2068/2	2068/1	Y_3710
Units	count	count	count	count	count	count
Avge	-.00606	-.02976	.01161	.00084	-.02007	5
SDev	.00471	.00935	.00166	.00021	.00448	0
%RSD	77.825	31.4341	14.3158	25.0971	22.3535	0

Elems	*Y
Units	
Avge	20193.1
SDev	29.2745
%RSD	.14497

Method: TOTAL Sample Name: CALSTD Operator:
Run Time: 07/12/05 11:51 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	As	B	Ba	Be	Cd
Units	count	count	count	count	count	count
Avge	7.41986	5.22916	2.70957	4.15939	15.57	29.8282
SDev	.00329	.03506	.00906	.00456	.01688	.03314
%RSD	.04435	.67055	.33468	.10965	.10844	.11112

Elems	Co	Cr	Cu	Mn	Mo	Ni
Units	count	count	count	count	count	count
Avge	5.50551	6.24713	3.10468	17.0838	1.09934	2.48199
SDev	.00858	.00918	.00097	.0405	.00424	.00397
%RSD	.15597	.14698	.03136	.2371	.38598	.16005

Elems	Sn	Ti	Tl	V	Zn	2203\1
Units	count	count	count	count	count	count
Avge	9.99731	3.0073	6.79383	4.67497	8.41778	4.23104
SDev	.01911	.00385	.04227	.00682	.01265	.00585
%RSD	.19121	.12814	.62228	.14591	.15031	.13834

Elems	2203\2	1960\1	1960\2	2068/2	2068/1	*Y
Units	count	count	count	count	count	
Avge	5.93062	2.17542	2.4889	.40762	4.18323	19860
SDev	.01964	.00428	.01041	.00042	.00854	22.6274
%RSD	.33126	.19703	.41863	.10519	.20415	.11393

Method: TOTAL Sample Name: CAL 2 Operator:
Run Time: 07/12/05 11:56 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al	Ca	Fe	K	Mg	Na
Units	count	count	count	count	count	count
Avge	9.48192	8.52854	4.85375	14.8922	19.0796	.84056
SDev	.00568	.01066	.00504	.00341	.01476	.00024
%RSD	.05996	.12505	.10392	.02295	.07738	.02908

Elems	*Y
Units	
Avge	19949.6
SDev	22.6274
%RSD	.11342

Method: TOTAL Sample Name: ICV Operator: KLC
Run Time: 07/12/05 12:00 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	488.8	12620.	243.86	958.1	963.0	1022.
SDev	.6498	12.98	1.4528	.3055	1.051	1.556
%RSD	.1329	.1029	.59573	.0319	.1092	.1523

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25020.	252.8	1002.	1008.	1016.	12730.
SDev	59.61	.4838	1.777	1.257	1.384	5.739
%RSD	.2383	.1914	.1774	.1246	.1362	.0451

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24940.	24020.	990.6	981.7	23820.	1011.
SDev	62.36	70.56	1.629	2.003	156.5	3.247
%RSD	.25	.2938	.1644	.204	.6569	.3212

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	249.34	255.52	250.23	991.0	1016.	503.50
SDev	2.5339	.99348	2.402	.0811	1.48	.23741
%RSD	1.0163	.3888	.95993	.0082	.1456	.04715

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	982.2	998.5	253.91	256.33	251.82	248.10
SDev	.6194	1.716	.94794	1.9627	.82187	3.3887
%RSD	.0631	.1719	.37333	.76571	.32636	1.3659

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	249.11	250.79	5.0000	20269.4
SDev	.77216	3.2157	0	50.3454
%RSD	.30997	1.2823	0	.24838

Method: TOTAL Sample Name: ICB Operator: KLC
Run Time: 07/12/05 12:07 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3820	6.927	-.53337	4.003	.4342	.4770
SDev	.2975	3.574	.81016	1.135	.1648	.1665
%RSD	77.88	51.6	151.9	28.35	37.95	34.91

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	39.87	.0438	.1492	.0875	.4939	1.573
SDev	4.306	.0279	.3505	.1557	.0344	1.416
%RSD	10.8	63.65	234.9	178	6.966	90.05

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	166.7	16.48	.4487	.8707	-240.4	.2800
SDev	2.335	1.393	.1364	.6284	173.3	1.442
%RSD	1.401	8.455	30.4	72.18	72.07	515.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.93124	1.0600	-.77890	.5978	.8137	1.4114
SDev	1.7069	.14138	.3033	.7215	.1141	.67459
%RSD	183.29	13.338	38.939	120.7	14.02	47.796

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4143	.9743	.72190	1.2287	3.6807	-.44143
SDev	.1173	.0217	.53705	.48009	7.0718	.97156
%RSD	28.31	2.233	74.393	39.072	192.13	220.09

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.19728	-1.0693	5.0000	20525.5
SDev	.75613	.83222	0	16.8297
%RSD	383.26	77.831	0	.08199

Method: TOTAL Sample Name: CRI\MRL Operator: KLC
Run Time: 07/12/05 12:12 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.792	204.1	14.622	191.1	9.959	5.238
SDev	.2033	.1666	.2025	.3412	.015	.0693
%RSD	4.243	.0816	1.3849	.1785	.1506	1.324

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5034.	5.040	5.070	4.715	15.39	297.6
SDev	.0684	.082	.0423	.2769	.2645	1.986
%RSD	.0014	1.627	.8353	5.874	1.719	.6674

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4864.	4737.	15.30	10.55	4837.	25.29
SDev	7.853	3.301	.078	.4824	103.4	.4917
%RSD	.1614	.0697	.51	4.572	2.138	1.944

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.818	10.131	8.9659	101.7	51.09	15.555
SDev	2.4701	.34453	1.5203	.9955	.2571	.76023
%RSD	11.321	3.4009	16.956	.9785	.5032	4.8874

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.044	40.75	9.1007	10.645	27.034	19.215
SDev	.2483	.2932	.52745	.77987	3.2848	2.0634
%RSD	3.525	.7195	5.7958	7.3263	12.15	10.739

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	8.8787	9.0095	5.0000	20501.6
SDev	2.6453	.95855	0	35.0722
%RSD	29.794	10.639	0	.17107

Method: TOTAL Sample Name: ICSA Operator: KLC
Run Time: 07/12/05 12:19 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6893	489300.	-.00049	-1.377	2.381	.0632
SDev	.1176	244.2	1.5285	1.214	.034	.0282
%RSD	17.07	.0499	310500	88.14	1.426	44.69

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	479000.	-.0815	4.229	4.496	5.490	191000.
SDev	277.6	.1082	.025	.3012	.0415	89.22
%RSD	.0579	132.8	.5908	6.699	.7564	.0467

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157.4	500800.	13.27	-1.237	-201.9	4.777
SDev	3.55	43.2	.0218	1.724	37.97	.6437
%RSD	2.256	.0086	.1646	139.4	18.81	13.47

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.0283	3.6163	-.10308	-1.666	-7.548	.30170
SDev	6.2245	1.1136	1.0931	.1095	.3662	.00112
%RSD	205.54	30.794	1060.4	6.573	4.851	.37371

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4561	Q30.74	-8.0232	9.4274	15.458	-12.258
SDev	.2183	.175	1.1022	1.1193	11.716	3.4826
%RSD	47.86	.5694	13.738	11.873	75.796	28.412

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5336	.61111	5.0000	19409.5
SDev	3.221	.03078	0	6.93019
%RSD	210.03	5.0374	0	.0357

Method: TOTAL Sample Name: ICSAB Operator: KLC
Run Time: 07/12/05 12:24 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	994.6	477600.	980.33	1004.	499.8	491.1
SDev	5.007	2887	8.0769	3.416	3.337	3.205
%RSD	.5034	.6045	.82389	.3403	.6677	.6526

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	467800.	933.4	471.4	479.3	502.4	186600.
SDev	2933	6.088	2.912	2.982	3.878	1112
%RSD	.6269	.6523	.6177	.6222	.7719	.596

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10440.	488900.	477.7	952.9	9811.	930.0
SDev	39.63	3910	2.952	4.706	110.8	4.366
%RSD	.3797	.7998	.6179	.4938	1.129	.4694

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	936.99	943.46	961.29	956.0	989.4	934.25
SDev	1.2928	3.1051	2.4436	6.984	6.045	7.0208
%RSD	.13797	.32912	.2542	.7305	.611	.75148

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	473.9	1021.	928.80	950.77	952.82	929.09
SDev	1.827	7.965	10.901	.78699	3.1993	.34095
%RSD	.3856	.7804	1.1737	.08277	.33577	.03669

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	956.47	963.70	5.0000	19514
SDev	9.2178	.93839	0	109.742
%RSD	.96372	.09737	0	.56237

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 12:30 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	976.3	24670.	494.19	4991.	1997.	2030.
SDev	.4703	48.8	1.7752	12.01	.5716	.2979
%RSD	.0482	.1978	.35921	.2407	.0286	.0147

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49560.	503.9	2015.	1996.	1993.	25110.
SDev	71.02	.4229	.6846	.9822	.7927	4.225
%RSD	.1433	.0839	.034	.0492	.0398	.0168

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49720.	48810.	2007.	1977.	46440.	1997.
SDev	133.2	137.1	.7862	2.933	155.3	3.188
%RSD	.2678	.281	.0392	.1484	.3344	.1596

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.54	501.06	493.40	4986.	4993.	1007.3
SDev	.04009	1.6248	1.9043	4.133	2.471	.46511
%RSD	.00794	.32427	.38594	.0829	.0495	.04617

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1983.	2022.	499.67	501.75	506.24	503.69
SDev	1.536	.1135	2.1971	1.3391	1.1432	.63086
%RSD	.0774	.0056	.43969	.26689	.22582	.12524

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.54	494.83	5.0000	20334.6
SDev	.79614	2.4575	0	10.1826
%RSD	.16229	.49662	0	.05007

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 12:37 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2180	56.23	-.83170	11.56	.6513	.6299
SDev	.3823	11.09	.25851	.5453	.202	.2342
%RSD	175.4	19.73	31.082	4.716	31.01	37.17

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	97.28	.1396	.6812	.0003	1.154	17.45
SDev	15.02	.1511	.453	.4235	.3806	10.35
%RSD	15.44	108.3	66.49	125400	32.99	59.33

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.4	40.26	.6077	.9688	-52.72	1.396
SDev	4.605	14.85	.1963	.7592	29.16	.2291
%RSD	2.751	36.88	32.3	78.36	55.32	16.41

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2239	.07163	.08673	.6846	1.875	1.7868
SDev	.87433	.00776	.69321	.4896	.6932	1.5077
%RSD	71.441	10.836	799.19	71.52	36.98	84.381

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4589	1.211	.67276	-.22848	3.2431	.21576
SDev	.4747	.2008	2.0427	1.0315	2.9278	.15083
%RSD	103.4	16.58	303.62	451.44	90.277	69.91

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.87434	-.30647	5.0000	20432.1
SDev	.59525	.74211	0	34.9314
%RSD	68.081	242.15	0	.17096

Method: TOTAL Sample Name: HE01DB 5188014 Operator: KLC
Run Time: 07/12/05 12:56 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1320	1.150	1.1405	1.574	.2154	-.0011
SDev	.2762	3.429	.22281	.1155	.0666	.0186
%RSD	209.3	298.2	19.536	7.338	30.93	1728

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	197.0	-.0722	.2925	-.4822	1.689	7.571
SDev	1.558	.0344	.099	.1959	.2358	4.215
%RSD	.7906	47.63	33.83	40.64	13.96	55.67

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	165.8	16.66	.4460	-.3765	-443.6	-.4412
SDev	2.284	.2893	.017	.3721	112.4	.332
%RSD	1.378	1.737	3.81	98.82	25.34	75.25

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0892	-.15095	-.28820	-.7311	.2467	2.3922
SDev	1.0065	.45246	1.4752	.1009	0	1.9848
%RSD	92.408	299.75	511.85	13.81	0	82.969

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1814	9.643	-1.2508	.39812	5.3796	-1.0528
SDev	.0296	.239	.81011	1.0828	2.3215	2.668
%RSD	16.31	2.478	64.77	271.98	43.154	253.41

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.7869	.95926	5.0000	20713.7
SDev	1.0735	2.7477	0	22.2034
%RSD	38.521	286.43	0	.10719

Method: TOTAL Sample Name: HE01DC Operator: KLC
Run Time: 07/12/05 13:01 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49.44	1865.	1800.3	875.9	1780.	46.72
SDev	.334	3.763	.57478	2.571	1.121	.0467
%RSD	.6756	.2018	.03192	.2935	.0629	.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44500.	45.88	455.6	183.9	233.8	1023.
SDev	23.54	.1023	.0283	.8557	.0189	2.671
%RSD	.0529	.2229	.0062	.4654	.0081	.2612

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49480.	42700.	450.4	886.0	43050.	448.9
SDev	91.14	9.093	.2057	3.997	119.3	.9302
%RSD	.1842	.0213	.0457	.4512	.2772	.2072

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1854.9	456.14	427.93	1822.	922.0	1814.5
SDev	1.8308	.10934	19.094	5.536	.0055	5.5616
%RSD	.09869	.02397	4.4618	.3039	.0006	.30651

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	451.4	478.8	453.31	457.55	1846.1	1859.3
SDev	.0769	.7278	1.2234	.77469	3.8527	4.6683
%RSD	.017	.152	.26987	.16931	.20868	.25107

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	431.03	426.39	5.0000	20637.6
SDev	8.5645	24.35	0	61.0943
%RSD	1.987	5.7107	0	.29603

Method: TOTAL Sample Name: HE0FM Operator: KLC
Run Time: 07/12/05 13:07 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1327	164.7	2.7601	263.5	2.943	.0612
SDev	.0093	.4396	.47267	.3143	.4949	.0272
%RSD	6.997	.267	17.125	.1193	16.82	44.38

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61850.	.0258	.6032	.1116	2.965	203.6
SDev	48.26	.0002	.1991	.1101	.1807	9.566
%RSD	.078	.7494	33.01	98.58	6.092	4.699

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16890.	7742.	183.9	104.2	208200.	184.1
SDev	60.78	14.62	.0842	.2746	812.1	.0106
%RSD	.36	.1888	.0458	.2634	.3901	.0057

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9918	.61136	2.4117	50.56	2.501	1.6160
SDev	.97856	.0274	.94622	2.274	.456	.91612
%RSD	49.128	4.4829	39.235	4.497	18.23	56.689

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7437	224.7	-1.1492	1.4904	7.5194	-.76780
SDev	.3222	.0044	1.21	.56297	2.599	.16954
%RSD	43.33	.0019	105.28	37.775	34.564	22.081

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6835	2.7753	5.0000	20650.1
SDev	.82205	1.0082	0	4.94974
%RSD	48.831	36.329	0	.02396

Method: TOTAL Sample Name: HEQ4D Operator: KLC
Run Time: 07/12/05 13:12 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2721	6.793	18.923	238.6	39.17	.0080
SDev	.4641	3.674	.04654	1.57	.0279	.0154
%RSD	170.6	54.09	.24597	.6582	.0712	191.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	272300.	.0649	5.278	.7400	.6922	25460.
SDev	358.8	.0318	.1401	.185	.2162	34.43
%RSD	.1318	48.99	2.655	25	31.23	.1352

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12010.	127100.	1288.	3.957	21250.	7.124
SDev	33.31	213.2	1.77	.013	229.2	1.043
%RSD	.2774	.1677	.1374	.3274	1.079	14.64

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.03131	.35737	.92950	-1.809	-4.289	.60856
SDev	.26537	.58801	.00813	.35	.1288	.21483
%RSD	847.56	164.54	.87477	19.35	3.003	35.302

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6969	4.569	-1.1258	1.0978	7.1365	-3.5160
SDev	.0895	.0704	2.5503	.39163	.34892	.57207
%RSD	12.84	1.541	226.53	35.673	4.8893	16.271

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3915	.69885	5.0000	20159.1
SDev	.43142	.20319	0	54.1641
%RSD	31.004	29.076	0	.26868

Method: TOTAL Sample Name: HEQ4K Operator: KLC
Run Time: 07/12/05 13:17 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2109	13.93	-.27359	326.9	262.8	-.0055
SDev	.0098	1.195	.56965	1.095	.3869	.0015
%RSD	4.646	8.582	208.21	.3349	.1472	27.47

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	147300.	.0154	.9877	1.207	.5436	2596.
SDev	190	.0616	.177	.3838	.062	5.156
%RSD	.129	400.1	17.92	31.81	11.4	.1986

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27090.	79970.	34.46	.8327	65150.	1.866
SDev	40.57	23.8	.0349	.5108	70.77	.051
%RSD	.1498	.0298	.1013	61.35	.1086	2.734

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.37690	-.08746	1.0450	2.168	-1.724	.54829
SDev	2.5326	.9144	.17834	.2388	.0026	.57591
%RSD	671.95	1045.5	17.067	11.01	.1533	105.04

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6278	5.325	-.55684	.14687	5.4430	-3.2825
SDev	.387	.2737	1.5857	2.1626	7.0399	.28234
%RSD	61.64	5.14	284.76	1472.4	129.34	8.6015

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3227	.90636	5.0000	20244.2
SDev	.85013	.15704	0	27.1532
%RSD	64.272	17.327	0	.13412

Method: TOTAL Sample Name: HEQ4Q Operator: KLC
Run Time: 07/12/05 13:22 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3227	20.26	250.81	17960.	218.4	.0066
SDev	.2082	1.535	.76391	79.91	.2024	.009
%RSD	64.5	7.578	.30457	.4448	.0927	137

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	140900.	-.0251	.4667	1.269	.7868	3081.
SDev	42.48	.1169	.0513	.2244	.4558	1.917
%RSD	.0301	466.4	10.98	17.68	57.92	.0622

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36120.	152900.	195.0	82.29	102300.	4.884
SDev	49.53	.2431	.2081	.2425	226.2	1.246
%RSD	.1371	.0001	.1067	.2947	.2211	25.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2154	-.25945	.57649	.5745	-.4132	2.5972
SDev	.44546	1.1487	.67709	.7025	.0001	.23602
%RSD	20.107	442.73	117.45	122.3	.0246	9.0876

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.718	2.092	-1.1012	.16079	8.3015	-.82304
SDev	.4207	.1421	1.3495	2.3959	.00052	.66812
%RSD	11.31	6.793	122.55	1490.1	.00632	81.177

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.97320	1.3502	5.0000	20154.2
SDev	.33686	1.1833	0	3.11154
%RSD	34.613	87.64	0	.01543

Method: TOTAL Sample Name: HEQ4T Operator: KLC
Run Time: 07/12/05 13:27 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2293	20.71	1.7551	98.65	12.63	.0075
SDev	.227	1.937	2.9688	9.745	.031	.0093
%RSD	98.99	9.354	169.15	9.878	.2451	123.6

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60240.	.0184	.6245	.4959	1.473	21.04
SDev	69.7	.0474	.1786	.2469	.1333	3.259
%RSD	.1157	257.2	28.6	49.78	9.049	15.48

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5762.	137400.	11.11	61.96	170100.	25.25
SDev	2.978	22.95	.0353	.141	463	.2772
%RSD	.0517	.0167	.3178	.2276	.2722	1.098

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8808	.05474	.03153	.3518	-.9085	.84387
SDev	.38267	.8556	.64568	.1048	.0002	2.1702
%RSD	20.346	1563	2047.8	29.79	.0268	257.18

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6841	2.726	-2.3865	1.2735	9.2086	-1.7776
SDev	.1503	.12	.73973	.91344	4.1321	1.4892
%RSD	21.97	4.403	30.997	71.726	44.872	83.776

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.60248	.34806	5.0000	20148
SDev	1.2642	.33688	0	4.24264
%RSD	209.83	96.788	0	.02105

Method: TOTAL Sample Name: HEQ4X Operator: KLC
Run Time: 07/12/05 13:31 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4225	10.84	2.1401	399.3	586.9	.0084
SDev	.2727	4.294	.16968	3.553	1.125	.0019
%RSD	64.54	39.63	7.9285	.89	.1916	22.78

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	153100.	.0743	-.6473	.2268	.2430	4146.
SDev	370.9	.0148	.3031	.451	.0667	3.973
%RSD	.2423	19.89	46.83	198.9	27.44	.0958

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3940.	107500.	17.89	6.254	98840.	3.310
SDev	9.844	379.5	.073	.522	60.74	.047
%RSD	.2498	.353	.4079	8.346	.0615	1.421

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0619	-.22293	1.1364	-.9668	-2.386	.90648
SDev	1.9768	1.1268	2.1276	1.052	.0046	1.8637
%RSD	186.15	505.44	187.22	108.8	.1923	205.6

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8285	2.690	-1.0643	.19712	10.282	-3.5411
SDev	.3002	.1421	.64838	2.013	2.0783	1.9261
%RSD	36.24	5.282	60.921	1021.2	20.213	54.392

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.04263	1.6825	5.0000	20209.1
SDev	1.0051	2.688	0	35.2131
%RSD	2357.6	159.77	0	.17424

Method: TOTAL Sample Name: HEQ41 Operator: KLC
Run Time: 07/12/05 13:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1548	53.05	1.2638	87.11	14.88	.0023
SDev	.9875	5.428	.88831	1.778	.0588	.0109
%RSD	637.8	10.23	70.29	2.042	.3955	468.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	57530.	.0413	1.287	-.3203	1.171	26.54
SDev	44.2	.0349	.1028	.2252	.2925	.3224
%RSD	.0768	84.65	7.991	70.31	24.97	1.215

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5783.	135500.	20.52	64.75	176500.	26.77
SDev	7.606	69.42	.0096	.1069	117.9	.2344
%RSD	.1315	.0512	.0469	.1651	.0668	.8757

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8429	.25090	.09982	-.1583	-.4916	.19716
SDev	.84297	.77792	.46737	2.615	.1148	1.4005
%RSD	45.742	310.05	468.19	1653	23.36	710.34

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9762	3.399	-.23704	.49451	4.8206	.35628
SDev	.1506	.0933	1.3254	.50459	2.6833	2.6035
%RSD	15.42	2.744	559.15	102.04	55.664	730.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.03829	.13054	5.0000	20262.3
SDev	1.4308	.01363	0	32.9509
%RSD	3736.1	10.441	0	.16262

Method: TOTAL Sample Name: HEQ45 Operator: KLC
Run Time: 07/12/05 13:41 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0733	30.11	1.1835	231.1	97.57	.0056
SDev	.2516	1.63	.41721	.1449	.1159	.0099
%RSD	343.2	5.413	35.252	.0627	.1188	174.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29430.	.0356	.2546	1.048	.7838	36.78
SDev	20.41	.0044	.2008	.0479	.1539	.7583
%RSD	.0694	12.41	78.86	4.57	19.64	2.062

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1781.	45280.	.6921	16.09	29430.	.9191
SDev	13.42	13.76	.0225	.2777	182.6	.5528
%RSD	.7538	.0304	3.253	1.726	.6206	60.15

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.44370	.19179	-.50532	-1.251	.0026	1.3118
SDev	.44089	.10075	1.3632	.1024	.3452	.49979
%RSD	99.367	52.533	269.76	8.183	13100	38.099

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4377	4.801	-1.4608	1.0169	7.2572	-2.9579
SDev	.2066	.1027	.23106	.03569	1.0626	1.1915
%RSD	47.21	2.138	15.818	3.5106	14.642	40.281

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.63025	-.44296	5.0000	20454.1
SDev	.17196	2.1296	0	31.2549
%RSD	27.286	480.77	0	.1528

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 13:48 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	978.6	24660.	493.40	5019.	2000.	2035.
SDev	.063	19.89	.26223	11.2	.5083	.2824
%RSD	.0064	.0807	.05314	.2232	.0254	.0139

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49460.	502.0	2012.	1999.	1998.	25070.
SDev	8.375	.1869	.302	1.616	1.676	14.14
%RSD	.0169	.0372	.015	.0808	.0839	.0564

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49730.	48580.	1989.	1972.	46540.	1957.
SDev	19.35	8.839	2.17	6.199	33.55	1.055
%RSD	.0389	.0182	.1091	.3143	.0721	.0539

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	505.44	500.94	495.29	4979.	5011.	1005.6
SDev	3.0869	.52828	2.7633	2.913	3.696	.32506
%RSD	.61074	.10545	.55791	.0585	.0738	.03232

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1986.	2014.	498.76	502.03	507.89	504.21
SDev	.7751	1.498	1.0089	.28831	3.6478	2.8069
%RSD	.039	.0744	.20228	.05743	.71822	.55669

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.82	496.52	5.0000	20230.7
SDev	1.1933	4.7385	0	9.4755
%RSD	.24213	.95434	0	.04683

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 13:56 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2313	25.30	.42759	13.15	.4660	.5140
SDev	.141	2.143	.52227	1.368	.2025	.1725
%RSD	60.94	8.47	122.14	10.4	43.45	33.57

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	71.94	-.0315	.1288	.0500	.6803	-4.008
SDev	4.477	.0572	.075	.4863	.1147	2.162
%RSD	6.223	181.4	58.21	973.2	16.86	53.95

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	164.0	14.50	.4900	1.242	-442.2	1.366
SDev	.2903	5.398	.205	.6357	162.4	.0492
%RSD	.177	37.24	41.84	51.21	36.73	3.604

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9587	1.4088	.76199	.7642	1.226	.49431
SDev	1.9134	.54463	1.6166	.9316	.4634	1.6403
%RSD	97.686	38.658	212.15	121.9	37.79	331.82

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0620	1.080	1.5865	1.3202	3.8270	1.0259
SDev	.0304	.039	.19729	.71805	3.4898	1.1263
%RSD	48.96	3.607	12.436	54.392	91.188	109.79

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.82625	1.5549	5.0000	20379.4
SDev	2.8591	.9962	0	39.8797
%RSD	346.04	64.068	0	.19568

MISCELLANEOUS DATA

Metals Internal Chain of Custody

Date Prepared: 07/07/05 **Prep Analyst:** Karen Counts

Laboratory Sample ID		Lab ID	Method	Analysis Date	Analyst	Instrument
A5G010137	1	HEQ4D	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G010137	1	HEQ4D	SW846 7470A	07/08/05	Michaelyn List	H1
A5G010137	2	HEQ4K	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G010137	2	HEQ4K	SW846 7470A	07/08/05	Michaelyn List	H1
A5G010137	3	HEQ4Q	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G010137	3	HEQ4Q	SW846 7470A	07/08/05	Michaelyn List	H1
A5G010137	4	HEQ4T	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G010137	4	HEQ4T	SW846 7470A	07/08/05	Michaelyn List	H1
A5G010137	5	HEQ4X	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G010137	5	HEQ4X	SW846 7470A	07/08/05	Michaelyn List	H1
A5G010137	6	HEQ41	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G010137	6	HEQ41	SW846 7470A	07/08/05	Michaelyn List	H1
A5G010137	7	HEQ45	SW846 6010B	07/12/05	Patrick O'Meara	I5
A5G010137	7	HEQ45	SW846 7470A	07/08/05	Michaelyn List	H1

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Preparation Type	Matrix	Amount of Standard added to LCS & MS/MSD		Initial Sample Vol/Wt	Final Sample Volume
		Amount	Standard name		
ICP	water	1 mL 1 mL 1.0 mL	Ag ICP-1 ICP-2A	50 mL	50 mL
ICPMS	water	0.5ml 0.5ml	ICPMS-1 ICPMS-2	50 mL	50 mL
Cd, Cr, Pb, Tl, Ag, Sb, As, Se - GFAA	water	1 mL	Graphite	50 mL	50 mL
Hg - CVAA	water	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL
Hg - CVAF (low level)	water	0.2 mL (LCS/MS/MSD)	HG ICAL	40 ml	40 ml
ICP	solid	2 mL 2 mL 2 mL	Ag ICP-1 ICP-2A	1.00 +/- .02g	100 mL
ICPMS	solid	1ml 1ml	ICPMS-1 ICPMS-2	1.00 +/- .02g	100ml
As, Se, Cd, Cr, Pb, Tl, Ag, Sb - GFAA	solid	2 mL	Graphite	1.00 +/- .02g	100 mL
Hg - CVAA	solid	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	0.60 +/- .01g	100 mL
ICP	TCLP	1 mL (LCS) 1 mL(LCS)	Ag ICP-1	50 mL	50 mL
ICP	TCLP	0.5 mL(MS/MSD)	TCLP Spike I RCRA	50 mL	50 mL
ICP	TCLP	1 mL(MS/MSD)	TCLP Spike II Non-RCRA	50 mL	50 mL
Hg - CVAA	TCLP	5 mL (LCS) 5 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL

Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.0002 ppm	0.2 mL	HG-2	0.1 ppm
0.0005 ppm	0.5 mL	HG-2	0.1 ppm
0.001 ppm	1 mL	HG-2	0.1 ppm
0.005 ppm	5 mL	HG-2	0.1 ppm
0.010 ppm	10 mL	HG-2	0.1 ppm
ICV Preparation			
0.0025 ppm	2.5 mL	HG-1	0.1 ppm
CCV Preparation:			
0.005 ppm	5 mL	HG-2	0.1 ppm

Low Level Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.5 ppt	20 ul	HG ICAL	1.0 ppb
1.0 ppt	40 ul	HG ICAL	1.0 ppb
2 ppt	80 ul	HG ICAL	1.0 ppb
5 ppt	200 ul	HG ICAL	1.0 ppb
10 ppt	400 ul	HG ICAL	1.0 ppb
25 ppt	1000 ul	HG ICAL	1.0 ppb
ICV Preparation			
5 ppt	200 ul	HG ICV	1.0 ppb
CCV Preparation:			
5 ppt	200 ul	HG ICAL	1.0 ppb

SPIKING STANDARD DEFINITIONS

Elements	Ag	ICP-1	ICP-2A	ICPMS-1	ICPMS-2	GFAA	HG-1	HG-2	HG ICAL	HG ICV	TCLP Spike I	TCLP Spike II
Ag	2.5 ppm			10ppm		0.25 ppm					100 ppm	
Al		100 ppm			100ppm							100 ppm
As		100 ppm		10ppm		2.0 ppm					500 ppm	
Ba		100 ppm		10ppm							5000 ppm	
Be		2.5 ppm		10ppm								2.5 ppm
Cd		2.5 ppm		10ppm		0.2 ppm					100 ppm	
Ca			2500 ppm		100ppm							
Co		25 ppm		10ppm								25 ppm
Cr		10 ppm		10ppm		0.5 ppm					500 ppm	
Cu		12.5 ppm		10ppm								12.5 ppm
Fe		50 ppm			100ppm							50 ppm
Hg							0.1 ppm	0.1 ppm	1.0 ppb	1.0 ppb		
K			2500 ppm		100ppm							
Mg			2500 ppm		100ppm							
Mn		25 ppm		10ppm								25 ppm
Na			2500 ppm		100ppm							
Ni		25 ppm		10ppm								25 ppm
Pb		25 ppm		10ppm		2.0 ppm					500 ppm	
Sb		25 ppm		10ppm		2.0 ppm						25 ppm
Se		100 ppm		10ppm		2.0 ppm					100 ppm	
Tl		100 ppm		10ppm		2.0 ppm						100 ppm
V		25 ppm		10ppm								25 ppm
Zn		25 ppm		10ppm								25 ppm
B		50 ppm		10ppm								50 ppm
Sr		50 ppm		10ppm								
Mo		50 ppm		10ppm								50 ppm
W		50 ppm		10ppm								
Sn		100 ppm		10ppm								100 ppm
Zr		50 ppm		10ppm								
Ti		50 ppm		10ppm								

STL North Canton
Revised 4/5/02
N:\Metals\Preplog.xls

DATE: 7.7.05

METALS PREPARATION REAGENTS/STANDARDS

Reagents and Standards listed on this form are used for the entire day's prep batches unless otherwise noted on the individual prep log.

REAGENT NAME	REAGENT NUMBER
1:1 HNO_3 (nitric acid)	5MR466
1:1 HCl (hydrochloric acid)	5MR433
HNO_3 (nitric acid)	5MR447
HCl (hydrochloric acid)	5MR439
$KMnO_4$ (potassium permanganate)	5MR456
$K_2S_2O_8$ (potassium persulfate)	5MR457
H_2O_2 (hydrogen peroxide)	5MR440
H_2SO_4 (sulfuric acid)	5MR310
HCl/HNO_3 (aqua regia)	5MR465

STANDARD NAME	STANDARD/LOT NUMBER
ICP-1	5G373
ICP-2A	5G374
RCRA	USEO 0639
non-RCRA	USFO 0171
Ag	5F351
Hg	5G375
ICPMS-1	———
ICPMS-2	———

Waters

Hg time in the water bath 9:00 am

Hg time out of the water bath 11:00 am

Solids

Hg time in the water bath 12:50 pm

Hg time out of the water bath 1:20 pm

Times listed are for the waters and solids for that day unless otherwise noted.

STL North Canton
Revision Date: 09/28/04
n:\metals\reagent1.doc

Hg Standard Curve Preparation Summary

Date: 7.7.05

Time In: 1:20 pm

Time Out: 3:20 pm

water curve

Standard Concentrations	Standard Numbers
S0	
0.2 ppb	
CRA - 0.2 ppb	
0.5 ppb	
1.0 ppb	STD 5G376
5.0 ppb	
10.0 ppb	
CCV - 5.0 ppb	
CCB	
ICV - 2.5 ppb	STD 5G375
ICB	

Solid curve

in 9:00 am

out 9:30 am

GENERAL CHEMISTRY DATA

SEVERN TRENT STL

SAMPLE DATA

Matrix Environmental, Inc.

Client Sample ID: MW-208

General Chemistry

Lot-Sample #...: A5G010137-001 **Work Order #...:** HEQ4D **Matrix.....:** WG
Date Sampled...: 06/30/05 17:15 **Date Received..:** 07/01/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**36.4**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186388**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186391
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**815**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186387**
		Dilution Factor: 5		MDL.....: 0.55		

Matrix Environmental, Inc.

Client Sample ID: MW-207

General Chemistry

Lot-Sample #...: A5G010137-002 **Work Order #...:** HEQ4K **Matrix.....:** WG
Date Sampled...: 06/30/05 09:45 **Date Received..:** 07/01/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**171**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186388**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186391
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**121**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186387**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-206

General Chemistry

Lot-Sample #...: A5G010137-003 **Work Order #...:** HEQ4Q **Matrix.....:** WG
Date Sampled...: 06/30/05 11:28 **Date Received..:** 07/01/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**94.9**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186388**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186391**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**329**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186387**
		Dilution Factor: 5		MDL.....: 0.55		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-204

General Chemistry

Lot-Sample #...: A5G010137-004 **Work Order #...:** HEQ4T **Matrix.....:** WG
Date Sampled...: 06/30/05 13:59 **Date Received..:** 07/01/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**233**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186388**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.080 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186391**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**186**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186387**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-205

General Chemistry

Lot-Sample #...: A5G010137-005 **Work Order #...:** HEQ4X **Matrix.....:** WG
Date Sampled...: 06/30/05 13:50 **Date Received..:** 07/01/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**224**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186388**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186391
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**53.5**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186387**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-204 DUPL

General Chemistry

Lot-Sample #...: A5G010137-006 **Work Order #...:** HEQ41 **Matrix.....:** WG
Date Sampled...: 06/30/05 13:20 **Date Received..:** 07/01/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**0.80**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/06/05**	**5187439**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**210**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186388**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186391**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**165**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186387**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-203

General Chemistry

Lot-Sample #...: A5G010137-007 **Work Order #...:** HEQ45 **Matrix.....:** WG
Date Sampled...: 06/30/05 15:32 **Date Received..:** 07/01/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**0.48 B**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/06/05**	**5187439**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**3.0**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186388**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.25**	**0.10**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186391**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**49.5**	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186387**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		Work Order #: HE1H41AA		MB Lot-Sample #:	A5G060000-439	
	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1				
Chloride		Work Order #: HEWJG1AA		MB Lot-Sample #:	A5G050000-388	
	ND	1.0	mg/L	MCAWW 300.0A	07/01/05	5186388
		Dilution Factor: 1				
Nitrate as N		Work Order #: HEWJP1AA		MB Lot-Sample #:	A5G050000-391	
	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186391
		Dilution Factor: 1				
Nitrite as N		Work Order #: HEWJR1AA		MB Lot-Sample #:	A5G050000-392	
	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1				
Sulfate		Work Order #: HEWJE1AA		MB Lot-Sample #:	A5G050000-387	
	ND	1.0	mg/L	MCAWW 300.0A	07/01/05	5186387
		Dilution Factor: 1				
Total Cyanide		Work Order #: HE79W1AA		MB Lot-Sample #:	A5G110000-086	
	ND	0.010	mg/L	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A5G010137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#:HE1H41AC-LCS/HE1H41AD-LCSD LCS Lot-Sample#: A5G060000-439					
	91	(83 - 110)			SW846 9030B/9034	07/06/05	5187439
	92	(83 - 110)	1.2	(0-20)	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1					
Chloride		WO#:HEWJG1AC-LCS/HEWJG1AD-LCSD LCS Lot-Sample#: A5G050000-388					
	98	(90 - 110)			MCAWW 300.0A	07/01/05	5186388
	96	(90 - 110)	2.2	(0-20)	MCAWW 300.0A	07/01/05	5186388
		Dilution Factor: 1					
Nitrate as N		WO#:HEWJP1AC-LCS/HEWJP1AD-LCSD LCS Lot-Sample#: A5G050000-391					
	101	(90 - 110)			MCAWW 300.0A	07/01/05	5186391
	99	(90 - 110)	2.4	(0-20)	MCAWW 300.0A	07/01/05	5186391
		Dilution Factor: 1					
Nitrite as N		WO#:HEWJR1AC-LCS/HEWJR1AD-LCSD LCS Lot-Sample#: A5G050000-392					
	97	(90 - 110)			MCAWW 300.0A	07/01/05	5186392
	96	(90 - 110)	0.82	(0-20)	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1					
Sulfate		WO#:HEWJE1AC-LCS/HEWJE1AD-LCSD LCS Lot-Sample#: A5G050000-387					
	98	(90 - 110)			MCAWW 300.0A	07/01/05	5186387
	95	(90 - 110)	2.8	(0-20)	MCAWW 300.0A	07/01/05	5186387
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: A5G010137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#:HE1H41AC-LCS/HE1H41AD-LCSD				LCS Lot-Sample#: A5G060000-439		
	14.9	13.6	mg/L	91		SW846 9030B/9034	07/06/05	5187439
	14.9	13.8	mg/L	92	1.2	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1						
Chloride		WO#:HEWJG1AC-LCS/HEWJG1AD-LCSD				LCS Lot-Sample#: A5G050000-388		
	50.0	49.0	mg/L	98		MCAWW 300.0A	07/01/05	5186388
	50.0	47.9	mg/L	96	2.2	MCAWW 300.0A	07/01/05	5186388
		Dilution Factor: 1						
Nitrate as N		WO#:HEWJP1AC-LCS/HEWJP1AD-LCSD				LCS Lot-Sample#: A5G050000-391		
	2.5	2.5	mg/L	101		MCAWW 300.0A	07/01/05	5186391
	2.5	2.5	mg/L	99	2.4	MCAWW 300.0A	07/01/05	5186391
		Dilution Factor: 1						
Nitrite as N		WO#:HEWJR1AC-LCS/HEWJR1AD-LCSD				LCS Lot-Sample#: A5G050000-392		
	2.5	2.4	mg/L	97		MCAWW 300.0A	07/01/05	5186392
	2.5	2.4	mg/L	96	0.82	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1						
Sulfate		WO#:HEWJE1AC-LCS/HEWJE1AD-LCSD				LCS Lot-Sample#: A5G050000-387		
	50.0	49.1	mg/L	98		MCAWW 300.0A	07/01/05	5186387
	50.0	47.7	mg/L	95	2.8	MCAWW 300.0A	07/01/05	5186387
		Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: HE79W1AC	LCS Lot-Sample#: A5G110000-086		
	90	(69 - 118)	SW846 9012A	07/11/05	5192086
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G010137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide	Work Order #: HE79W1AC				LCS Lot-Sample#: A5G110000-086		
	0.45	0.40	mg/L	90	SW846 9012A	07/11/05	5192086
	Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G010137 **Matrix.....:** WG
Date Sampled...: 06/30/05 15:32 **Date Received..:** 07/01/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #...: HEQ451CA		MS Lot-Sample #: A5G010137-007	
	98	(80 - 120)	MCAWW 300.0A	07/01/05	5186388
		Dilution Factor: 1			
Nitrate as N		Work Order #...: HEQ451CC		MS Lot-Sample #: A5G010137-007	
	97	(80 - 120)	MCAWW 300.0A	07/01/05	5186391
		Dilution Factor: 1			
Nitrite as N		Work Order #...: HEQ451CD		MS Lot-Sample #: A5G010137-007	
	91	(80 - 120)	MCAWW 300.0A	07/01/05	5186392
		Dilution Factor: 1			
Sulfate		Work Order #...: HEQ451A9		MS Lot-Sample #: A5G010137-007	
	99	(80 - 120)	MCAWW 300.0A	07/01/05	5186387
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G010137 **Matrix.....:** WG
Date Sampled...: 06/30/05 15:32 **Date Received..:** 07/01/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	PREPARATION-METHOD	ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...: HEQ451CA			MS Lot-Sample #: A5G010137-007		
	3.0	50.0	51.8	mg/L	98	MCAWW 300.0A	07/01/05	5186388
			Dilution Factor: 1					
Nitrate as N			Work Order #...: HEQ451CC			MS Lot-Sample #: A5G010137-007		
	0.25	2.5	2.7	mg/L	97	MCAWW 300.0A	07/01/05	5186391
			Dilution Factor: 1					
Nitrite as N			Work Order #...: HEQ451CD			MS Lot-Sample #: A5G010137-007		
	ND	2.5	2.3	mg/L	91	MCAWW 300.0A	07/01/05	5186392
			Dilution Factor: 1					
Sulfate			Work Order #...: HEQ451A9			MS Lot-Sample #: A5G010137-007		
	49.5	50.0	99.1	mg/L	99	MCAWW 300.0A	07/01/05	5186387
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 13:15 **Date Received..:** 07/06/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#: HEX791AQ-MS/HEX791AR-MSD				MS Lot-Sample #: A5G060255-001	
	82	(42 - 140)			SW846 9012A	07/11/05	5192086
	79	(42 - 140)	4.0	(0-20)	SW846 9012A	07/11/05	5192086

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5G010137 **Matrix.....:** WATER
Date Sampled...: 07/05/05 13:15 **Date Received..:** 07/06/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: HEX791AQ-MS/HEX791AR-MSD				MS Lot-Sample #: A5G060255-001		
	ND	0.040	0.033	mg/L	82		SW846 9012A	07/11/05	5192086
	ND	0.040	0.032	mg/L	79	4.0	SW846 9012A	07/11/05	5192086

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): 5186387 IC

Batch(es): 387/8/9/90/91/92

Method #/SOP#: 300.0

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?	✓			X		
2. Calibration curve consist of the minimum number of calibration standards?				X		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)				X		
4. ICB analyzed immediately after ICV and within criteria (± RL)?				X		
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			X		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			X		
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?	✓			X		
2. All reported results bracketed by in control QC ?	✓			X		
3. Sample analyses done within holding time ?		✓			X	
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			X		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			X		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			X		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			X
E. Titrant						
1. Titrant standardized?			✓			X
2. If no, standardization expires						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?	✓			X		
2. Calculations checked for error ?			✓			X
3. Transcriptions checked for error ?	✓			X		
4. All client/project specific requirements met ?				X		
5. Date/time of preparation and analysis verified as correct ?				X		
6. Units verified as correct?				X		
7. Dilutions have been properly applied and RL's adjusted appropriately?				X		
8. SOP followed?				X		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓			X
10. All reagent and standard numbers recorded in logbook?	✓			X		
11. Edits dated and initialed	✓			X		

Comment on any "NO" response(s): HEPVK & HEPVG - were re-analyzed outside of hold without a dilution ✓

Level I reviewer: [signature] Date: 7/5/05

Level II Reviewer: [signature] Date: 7/5/05

Level I review:

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX120 062105.met

Instrument : DIONEX DX-120

Date Analyzed 7/1/05 5186397

390 5186393 392 5186339 391

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
		RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	21-Jun-05	Highest Cal Std conc & area			10	1216750.4	200	23591497	10	1545813.6	40	1467852.8	10	2086177	10	811138	200	15631712
2	7/1/05 14:20	ICV	L	1	P 99%	2.48	P 100%	49.79	P 97%	2.43	P 102%	10.17	P 102%	2.56	Out 89%	2.23	P 100%	49.96
3	7/1/05 14:37	ICB	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.11 B	P< 1	ND
4	7/1/05 14:54	LCS	L	1	P 91%	2.28	P 98%	48.96	P 97%	2.43	P 101%	10.06	P 101%	2.53	P 100%	2.49	P 98%	49.09
5	7/1/05 15:11	LCS DUP	L	1	P 96%	2.40	P 96%	47.88	P 96%	2.41	P 99%	9.85	P 99%	2.47	P 91%	2.28	P 95%	47.73
6	7/1/05 15:49	HEQ4D	L	1	1	0.11 B	1	36.39	0.5	ND	0.5	0.27 B	0.1	ND	0.5	0.11 B	1	Dil 5X
7	7/1/05 16:06	HEQ4K	L	1	1	0.07 B	1	171.11	0.5	ND	0.5	0.42 B	0.1	ND	0.5	0.09 B	1	120.76
8	7/1/05 16:23	HEQ4Q	L	1	1	0.15 B	1	0.11 B	0.5	ND	0.5	0.87	0.1	0.02 B	0.5	0.06 B	1	Dil 2X
9	7/1/05 16:40	HEQ4T	L	1	1	0.11 B	1	Dil 2X	0.5	ND	0.5	0.36 B	0.1	0.08 B	0.5	0.05 B	1	185.60
10	7/1/05 16:57	HEQ4X	L	1	1	0.21 B	1	Dil 2X	0.5	ND	0.5	0.86	0.1	ND	0.5	0.02 B	1	53.48
11	7/1/05 17:14	HEQ41	L	1	1	0.12 B	1	Dil 2X	0.5	ND	0.5	0.32 B	0.1	0.02 B	0.5	0.03 B	1	165.47
12	7/1/05 17:31	HEQ45 ORG	L	1	1	0.67 B	1	3.03	0.5	ND	0.5	ND	0.1	0.25	0.5	0.09 B	1	49.47
13	7/1/05 17:48	HEQ45 MS	L	1	P 91%	2.94	P 98%	51.79	P 91%	2.28	P 97%	9.70	P 97%	2.68	P 136%	3.48	P 99%	99.14
14	7/1/05 18:05	HER1C	L	1	1	0.09 B	1	ND	0.5	Dil 100X	0.5	ND	0.1	ND	0.5	0.34 B	1	Dil 2X
15	7/1/05 18:22	HER1K	L	1	1	0.12 B	1	Dil 2X	0.5	ND	0.5	0.07 B	0.1	0.02 B	0.5	0.18 B	1	Dil 2X
16	7/1/05 18:38	CCV #1	L	1	P 101%	2.52	P 101%	50.51	P 99%	2.47	P 103%	10.30	P 104%	2.59	P 97%	2.42	P 101%	50.47
17	7/1/05 18:55	CCB #1	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.2 B	P< 1	ND
18	7/1/05 19:12	HERE5	L	1	1	0.2 B	1	Dil 5X	0.5	ND	0.5	0.07 B	0.1	0.02 B	0.5	0.07 B	1	Dil 5X
19	7/1/05 19:29	HERE1J	L	1	1	0.15 B	1	150.37	0.5	ND	0.5	0.07 B	0.1	0.02 B	0.5	0.07 B	1	Dil 2X
20	7/1/05 19:46	HER1C	L	5	5 G	0.08 B	5	929.35	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.27 B	5	324.77
21	7/1/05 20:03	HER1K	L	5	5 G	0.1 B	5	217.94	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.16 B	5	342.13
22	7/1/05 20:20	HERE5	L	5	5 G	0.19 B	5	580.49	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.17 B	5	696.24
23	7/1/05 20:37	HER1J	L	5	5 G	0.21 B	5	129.32	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.25 B	5	321.66
24	7/1/05 20:54	HEQ4D	L	5	5 G	0.11 B	5	29.04	2.5 G	ND	2.5 G	0.29 B	0.5 G	ND	2.5 G	0.18 B	5	814.63
25	7/1/05 21:11	HEQ4K	L	5	5 G	0.11 B	5	157.34	2.5 G	ND	2.5 G	0.42 B	0.5 G	ND	2.5 G	ND	5	108.51
26	7/1/05 21:28	HEQ4Q ORG	L	5	5 G	0.18 B	5	94.91	2.5 G	ND	2.5 G	0.91 B	0.5 G	ND	2.5 G	0.12 B	5	329.13

G - diluted for another analyte or matrix
B - estimated result, < RL

WR50597
IC 5113
IC 5114
MS ~ .1ml of A + .1ml of B onto 5mls

IC PeakNet 5'1 Data Summary 2000.xls
VER . 2000 09 05

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX120 062105.met Instrument : DIONEX DX-120 Date Analyzed 7/1/05

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
		RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	21-Jun-05	Highest Cal Std conc & area			10	1216750.4	200	23591497	10	1545813.6	40	1467852.8	10	2086177	10	811138	200	15631712
27	7/1/05 21:45	HEQ4Q MS	L	5	P 86%	2.32	P 86%	137.95	P 76%	1.90	P 94%	10.32	P 95%	2.38	P 165%	4.25	P 61%	359.50
28	7/1/05 22:02	CCV #2	L	1	P 100%	2.50	P 101%	50.35	P 98%	2.45	P 103%	10.27	P 104%	2.59	P 98%	2.45	P 101%	50.35
29	7/1/05 22:19	CCB #2	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.19 B	P< 1	ND
30	7/1/05 22:36	HEQ4T	L	5	5 G	0.13 B	5	233.15	2.5 G	ND	2.5 G	0.38 B	0.5 G	0.08 B	2.5 G	0.51 B	5	178.17
31	7/1/05 22:53	HEQ4X	L	5	5 G	0.19 B	5	223.72	2.5 G	ND	2.5 G	0.9 B	0.5 G	ND	2.5 G	0.42 B	5	49.37
32	7/1/05 23:10	HEQ41	L	5	5 G	0.13 B	5	210.30	2.5 G	ND	2.5 G	0.36 B	0.5 G	ND	2.5 G	0.28 B	5	154.21
33	7/1/05 23:27	HEPVR	L	1	1	0.13 B	1	113.30	0.5	ND	0.5	0.35 B	0.1	0.02 B	0.5	Dil 1000X	1	ND
34	7/1/05 23:44	HEPVR	L	50	50 G	ND	50	83.95	25 G	ND	25 G	ND	5 G	ND	25 G	1.66 B G	50	6544.64
35	7/2/05 0:00	HEPVK	L	1	1	ND	1	Dil 2X	0.5	ND	0.5	0.66	0.1	ND	0.5	Dil 1000X	1	ND
36	7/2/05 0:17	HEPVK	L	50	50 G	ND	50	259.16	25 G	ND	25 G	ND	5 G	ND	25 G	1.87 B G	50	5196.52
37	7/2/05 0:34	HEPVG	L	1	1	ND	1	114.64	0.5	ND	0.5	0.28 B	0.1	ND	0.5	Dil 1000X	1	ND
38	7/2/05 0:51	HEPVG	L	50	50 G	ND	50	88.25	25 G	ND	25 G	ND	5 G	ND	25 G	ND G	50	6682.20
39	7/2/05 1:08	HEPVF	L	2	2 G	ND G	2	83.84	1 G	ND G	1 G	0.49 B G	0.2 G	0.02 B G	1	Dil 2000X	2 G	ND
40	7/2/05 1:25	CCV #3	L	1	P 99%	2.47	P 100%	50.01	P 98%	2.45	P 102%	10.20	P 103%	2.57	P 97%	2.43	P 104%	52.20
41	7/2/05 1:42	CCB #3	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.15 B	P< 1	0.26 B
42	7/2/05 1:59	HEPVF	L	100	100 G	ND	100 G	62.84 B	50 G	ND	50 G	ND	10 G	ND	50 G	5.23 B G	100	15673.34
43	7/2/05 2:16	HEPTW ORG	L	2	2 G	0.41 B	2	292.43	1 G	ND	1	1.88	0.2 G	0.05 B	1 G	0.1 B	2	197.06
44	7/2/05 2:33	HEPTW MS	L	2	P 97%	2.83	P 65%	324.93	P 78%	1.94	P 95%	11.42	P 97%	2.47	P 186%	4.74	P 85%	239.63
45	7/2/05 2:50	HEPVH	L	5	5 G	0.25 B	5	85.91	2.5 G	ND	2.5 G	0.6 B	0.5 G	0.13 B	2.5 G	0.98 B	5	620.33
46	7/2/05 3:07	HEPVL	L	2	2 G	0.17 B	2	200.91	1 G	ND	1	1.06	0.2 G	0.07 B	1 G	0.28 B	2	302.85
47	7/2/05 3:24	HEPVM	L	2	2 G	0.38 B	2	364.98	1 G	ND	1	2.23	0.2 G	ND	1 G	0.26 B	2	3.98
48	7/2/05 3:41	HEPVT	L	2	2 G	0.33 B	2	288.03	1 G	ND	1 G	0.08 B	0.2	0.81	1 G	0.15 B	2	132.53
49	7/2/05 3:58	HEPVV	L	2	2 G	0.32 B	2	304.35	1 G	ND	1 G	ND	0.2	1.18	1 G	0.11 B	2	69.78
50	7/2/05 4:15	LCS	L	1	P 96%	2.39	P 96%	47.78	P 95%	2.38	P 98%	9.82	P 99%	2.47	P 91%	2.28	P 96%	47.84
51	7/2/05 4:32	LCS DUP	L	1	P 96%	2.39	P 96%	47.81	P 96%	2.39	P 98%	9.84	P 99%	2.47	P 92%	2.31	P 96%	47.94

G - diluted for another analyte or matrix
B - estimated result, < RL

STL North Canton

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX120 062105.met Instrument : DIONEX DX-120 Date Analyzed 7/1/05

Units: mg/L or mg/Kg

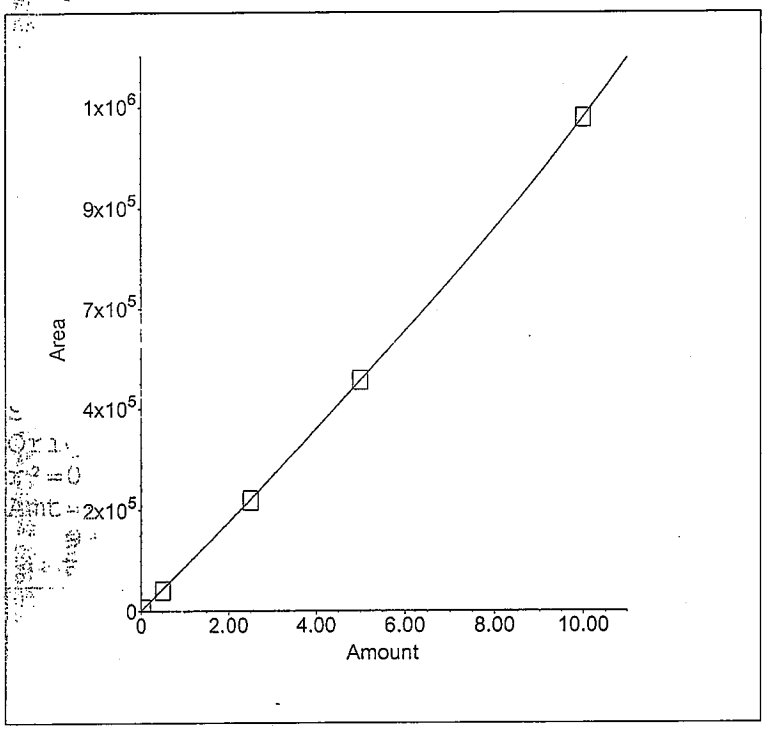
Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
		RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	21-Jun-05	Highest Cal Std conc & area			10	1216750.4	200	23591497	10	1545813.6	40	1467852.8	10	2086177	10	811138	200	15631712
52	7/2/05 4:49	CCV #4	L	1	P 98%	2.45	P 100%	50.19	P 98%	2.46	P 102%	10.25	P 103%	2.58	P 96%	2.41	P 100%	50.25
53	7/2/05 5:06	CCB #4	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.04 B	P< 1	0.1 B
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!

G - diluted for another analyte or matrix
B - estimated result, < RL

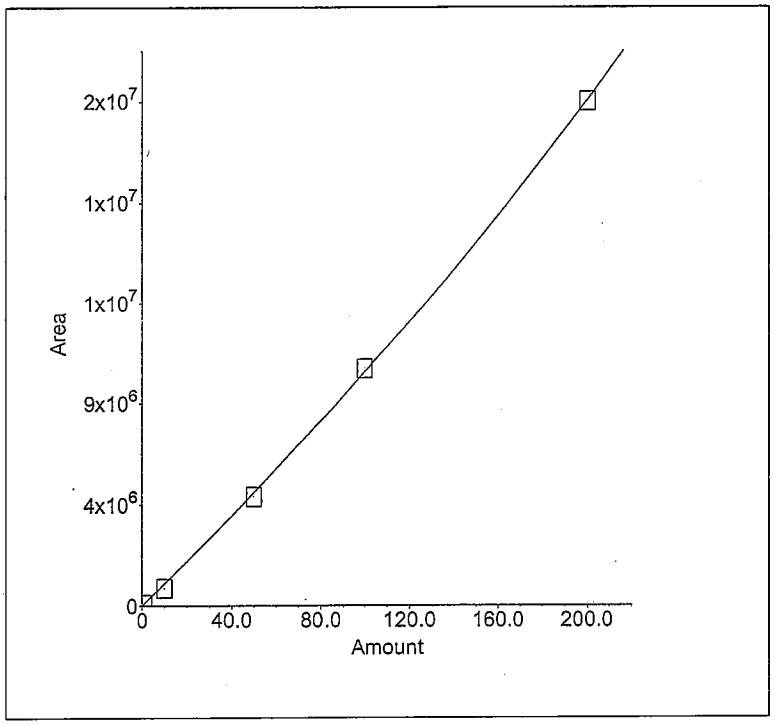
Line	Sample	Sample Type	Level	Method	Data File	Dilution	Weight
1	Rinse	Sample		dx120 062105.met	dx-120 data\070105\rinse_001.dxd	1	1
2	ICV	Sample		dx120 062105.met	dx-120 data\070105\icv_002.dxd	1	1
3	ICB	Sample		dx120 062105.met	dx-120 data\070105\icb_003.dxd	1	1
4	LCS	Sample		dx120 062105.met	dx-120 data\070105\lcs_004.dxd	1	1
5	LCS DUP	Sample		dx120 062105.met	dx-120 data\070105\lcs dup_005.dxd	1	1
6	HEQ4D	Sample		dx120 062105.met	dx-120 data\070105\heq4d_006.dxd	1	1
7	HEQ4K	Sample		dx120 062105.met	dx-120 data\070105\heq4k_007.dxd	1	1
8	HEQ4Q	Sample		dx120 062105.met	dx-120 data\070105\heq4q_008.dxd	1	1
9	HEQ4T	Sample		dx120 062105.met	dx-120 data\070105\heq4t_009.dxd	1	1
10	HEQ4X	Sample		dx120 062105.met	dx-120 data\070105\heq4x_010.dxd	1	1
11	HEQ41	Sample		dx120 062105.met	dx-120 data\070105\heq41_011.dxd	1	1
12	HEQ45 ORG	Sample		dx120 062105.met	dx-120 data\070105\heq45 org_012.dxd	1	1
13	HEQ45 MS	Sample		dx120 062105.met	dx-120 data\070105\heq45 ms_013.dxd	1	1
14	MW-1 (HERIC)	Sample		dx120 062105.met	dx-120 data\070105\mw-1_014.dxd	1	1
15	MW-3 (HERIK)	Sample		dx120 062105.met	dx-120 data\070105\mw-3_015.dxd	1	1
16	CCV #1	Sample		dx120 062105.met	dx-120 data\070105\ccv #1_016.dxd	1	1
17	CCB #1	Sample		dx120 062105.met	dx-120 data\070105\ccb #1_017.dxd	1	1
18	PND WELL (HERES)	Sample		dx120 062105.met	dx-120 data\070105\pnd well_018.dxd	1	1
19	MW-2 (HERIJ)	Sample		dx120 062105.met	dx-120 data\070105\mw-2_019.dxd	1	1
20	MW-1 (HERIC)	Sample		dx120 062105.met	dx-120 data\070105\mw-1_020.dxd	5	1
21	MW-3 (HERIK)	Sample		dx120 062105.met	dx-120 data\070105\mw-3_021.dxd	5	1
22	PND WELL →	Sample → HERES		dx120 062105.met	dx-120 data\070105\pnd well_022.dxd	5	1
23	MW-2 (HERIJ)	Sample		dx120 062105.met	dx-120 data\070105\mw-2_023.dxd	5	1
24	HEQ4D	Sample		dx120 062105.met	dx-120 data\070105\heq4d_024.dxd	5	1
25	HEQ4K	Sample		dx120 062105.met	dx-120 data\070105\heq4k_025.dxd	5	1
26	HEQ4Q ORG	Sample		dx120 062105.met	dx-120 data\070105\heq4q org_026.dxd	5	1
27	HEQ4Q MS	Sample		dx120 062105.met	dx-120 data\070105\heq4q ms_027.dxd	5	1
28	CCV #2	Sample		dx120 062105.met	dx-120 data\070105\ccv #2_028.dxd	1	1
29	CCB #2	Sample		dx120 062105.met	dx-120 data\070105\ccb #2_029.dxd	1	1
30	HEQ4T	Sample		dx120 062105.met	dx-120 data\070105\heq4t_030.dxd	5	1
31	HEQ4X	Sample		dx120 062105.met	dx-120 data\070105\heq4x_031.dxd	5	1
32	HEQ41	Sample		dx120 062105.met	dx-120 data\070105\heq41_032.dxd	5	1
33	HEPVR	Sample		dx120 062105.met	dx-120 data\070105\hepvr_033.dxd	1	1
34	HEPVR	Sample		dx120 062105.met	dx-120 data\070105\hepvr_034.dxd	50	1
35	HEPVK	Sample		dx120 062105.met	dx-120 data\070105\hepvk_035.dxd	1	1
36	HEPVK	Sample		dx120 062105.met	dx-120 data\070105\hepvk_036.dxd	50	1
37	HEPVG	Sample		dx120 062105.met	dx-120 data\070105\hepvg_037.dxd	1	1
38	HEPVG	Sample		dx120 062105.met	dx-120 data\070105\hepvg_038.dxd	50	1
39	HEPVF	Sample		dx120 062105.met	dx-120 data\070105\hepvf_039.dxd	2	1
40	CCV #3	Sample		dx120 062105.met	dx-120 data\070105\ccv #3_040.dxd	1	1
41	CCB #3	Sample		dx120 062105.met	dx-120 data\070105\ccb #3_041.dxd	1	1
42	HEPVF	Sample		dx120 062105.met	dx-120 data\070105\hepvf_042.dxd	100	1
43	HEPTW ORG	Sample		dx120 062105.met	dx-120 data\070105\heptw org_043.dxd	2	1
44	HEPTW MS	Sample		dx120 062105.met	dx-120 data\070105\heptw ms_044.dxd	2	1
45	HEPVH	Sample		dx120 062105.met	dx-120 data\070105\hepvh_045.dxd	5	1
46	HEPVL	Sample		dx120 062105.met	dx-120 data\070105\hepvl_046.dxd	2	1
47	HEPVM	Sample		dx120 062105.met	dx-120 data\070105\hepvm_047.dxd	2	1
48	HEPVT	Sample		dx120 062105.met	dx-120 data\070105\hepvt_048.dxd	2	1
49	HEPVV	Sample		dx120 062105.met	dx-120 data\070105\hepvv_049.dxd	2	1
50	LCS	Sample		dx120 062105.met	dx-120 data\070105\lcs_050.dxd	1	1
51	LCS DUP	Sample		dx120 062105.met	dx-120 data\070105\lcs dup_051.dxd	1	1
52	CCV #4	Sample		dx120 062105.met	dx-120 data\070105\ccv #4_052.dxd	1	1
53	CCB #4	Sample		dx120 062105.met	dx-120 data\070105\ccb #4_053.dxd	1	1
54	CE1	Sample		dx120 062105.met	dx-120 data\070105\ce1_054.dxd	1	1
55	CE2	Sample		dx120 062105.met	dx-120 data\070105\ce2_055.dxd	1	1
56	RINSE	Sample		dx120 062105.met	rinse →	1	1
57		Sample		halt.met	45 NO Rinse	1	1
58		Sample		generic.met	46	1	1
59		Sample		generic.met	47	1	1
60		Sample		generic.met	48	1	1
61		Sample		generic.met	49	1	1
62		Sample		generic.met	50	1	1
63	CCV #5	Sample		generic.met	ccv #5	1	1
64	CCB #5	Sample		generic.met	ccb #5	1	1
65		Sample		generic.met	51	1	1
66		Sample		generic.met	52	1	1
67		Sample		generic.met	53	1	1
68		Sample		generic.met	54	1	1
69		Sample		generic.met	55	1	1
70		Sample		generic.met	56	1	1
71		Sample		generic.met	57	1	1
72		Sample		generic.met	58	1	1
73		Sample		generic.met	59	1	1
74		Sample		generic.met	60	1	1
75	CCV #6	Sample		generic.met	ccv #6	1	1
76	CCB #6	Sample		generic.met	ccb #6	1	1
77		Sample		generic.met	61	1	1
78		Sample		generic.met	62	1	1
79		Sample		generic.met	63	1	1
80		Sample		generic.met	64	1	1
81		Sample		generic.met	65	1	1
82		Sample		generic.met	66	1	1
83		Sample		generic.met	67	1	1
84		Sample		generic.met	68	1	1
85		Sample		generic.met	69	1	1
86	CCV #7	Sample		generic.met	ccv #7	1	1
87	CCB #7	Sample		generic.met	ccb #7	1	1
88		Sample		generic.met	70	1	1

OK
OC
7/5/05

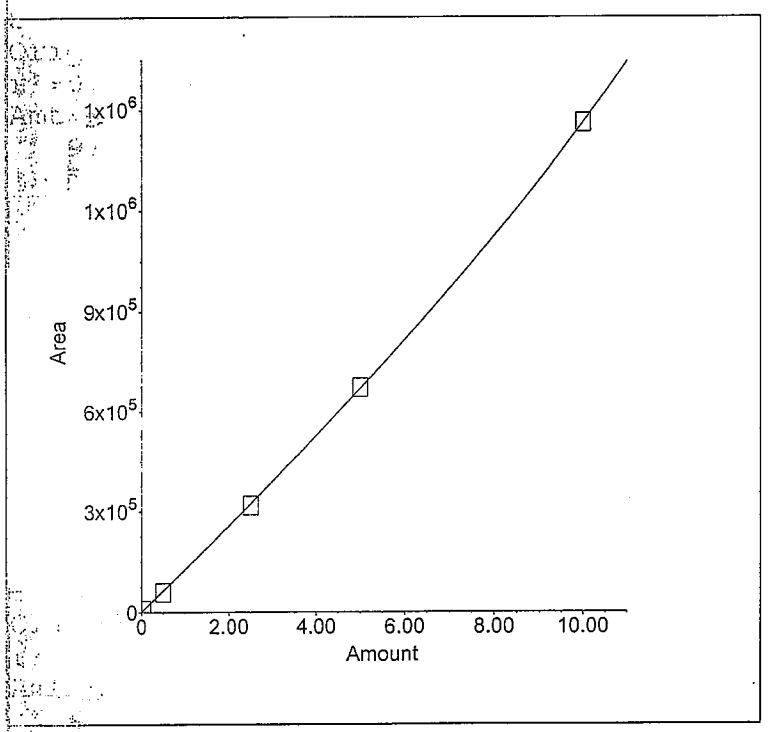
1. Component:fluoride
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999983
Amt=-9.594259e-013*Resp^2+
9.383890e-006*Resp+0



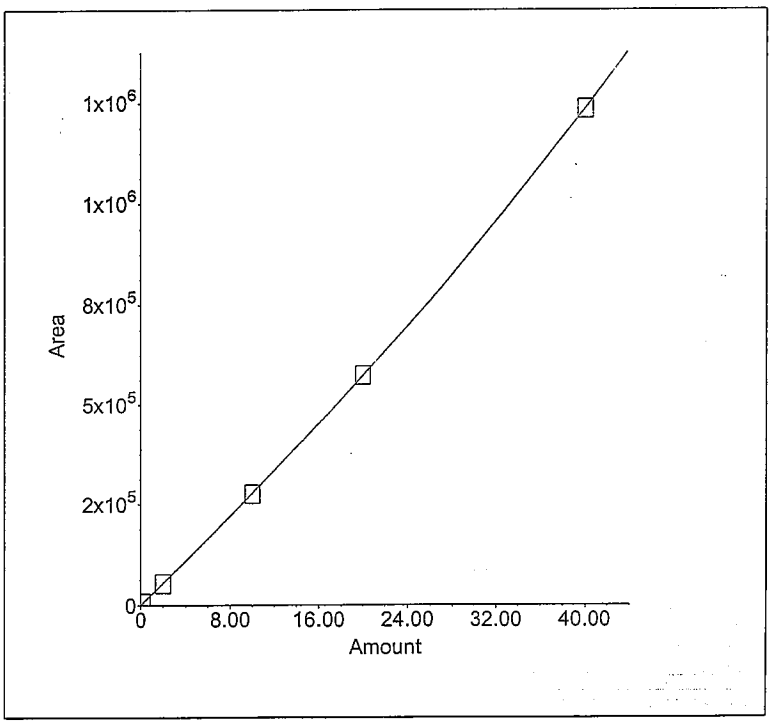
2. Component:chloride
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999651
Amt=-5.533359e-014*Resp^2+
9.773193e-006*Resp+0



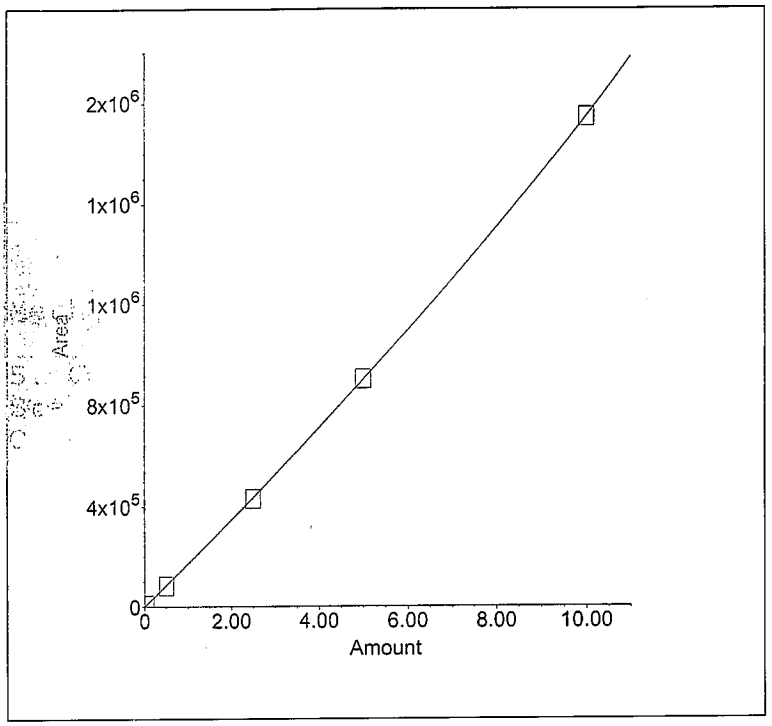
3. Component:nitrite
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999958
Amt=-7.240569e-013*Resp^2+
7.585591e-006*Resp+0



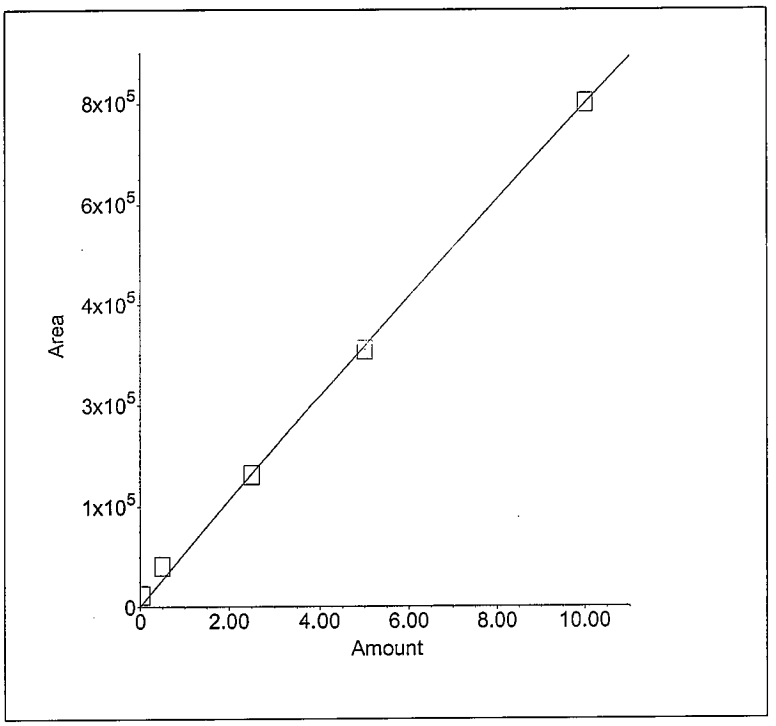
4. Component:bromide
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999994
Amt=-2.733685e-012*Resp^2+
3.125861e-005*Resp+0



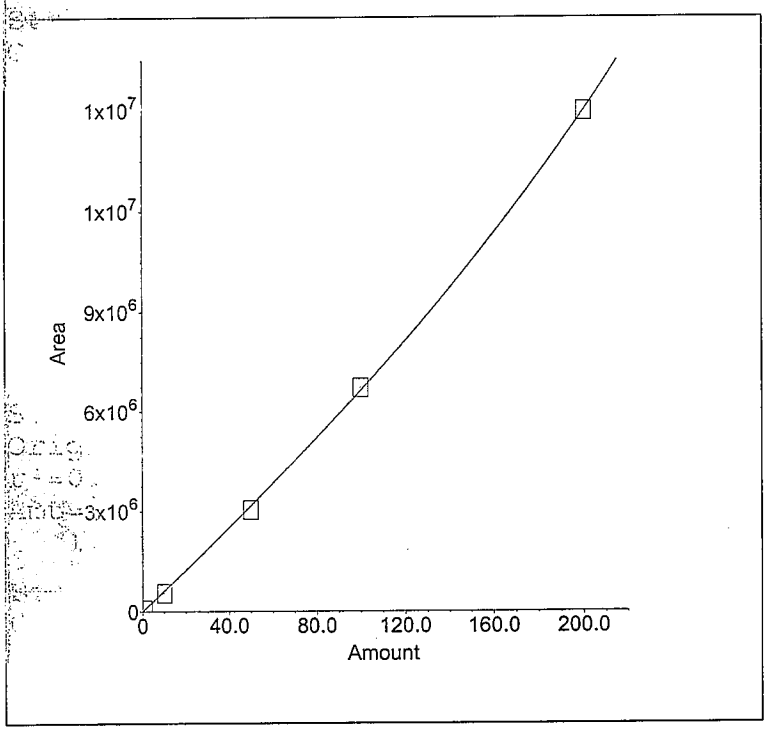
5. Component:nitrate
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999986
Amt=-3.537918e-013*Resp^2+
5.530270e-006*Resp+0



6. Component:o-phosphate
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.998528
Amt=1.094554e-012*Resp^2+
1.146440e-005*Resp+0



7. Component:sulfate
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999772
Amt=-1.925697e-013*Resp^2+
1.579253e-005*Resp+0



STL North Canton Ion Chromatography Calibration Report

Sample Name : Cal std 5
Data File Name : c:\peaknet\data\dx-120 data\062105\Cal5_002.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\062105.sch
Date Time Collected : 6/21/05 5:10:37 PM
Injection Volume : 1.00
Injection Number : 2

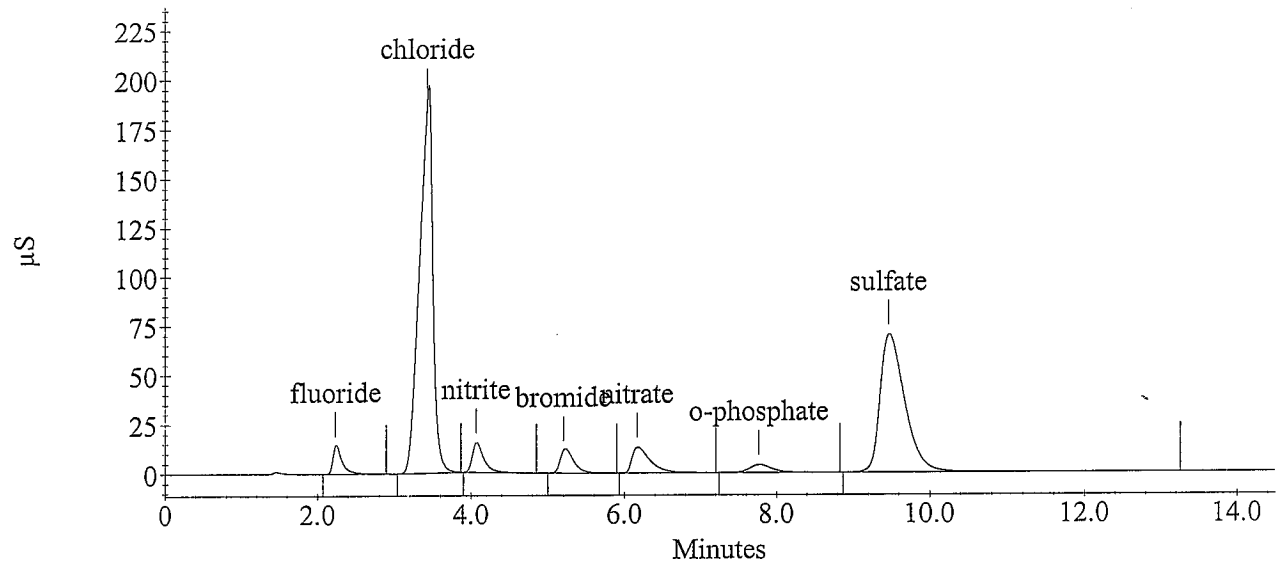
System Name : DIONEX DX-120
System Operator : OC/DB
Calibration Date : 6/21/05 5:25:12 PM
Calibration Level : 5

IC5108

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	10.00	1216750	140075
chloride	3.43	200.00	23591497	1878379
nitrite	4.07	10.00	1545814	148698
bromide	5.20	40.00	1467853	111579
nitrate	6.17	10.00	2086177	128055
o-phosphate	7.77	10.00	811138	38993
sulfate	9.47	200.00	15631712	697546

Cal std 5



STL North Canton Ion Chromatography Calibration Report

Sample Name : Cal std 4
Data File Name : c:\peaknet\data\dx-120 data\062105\Cal4_003.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\062105.sch
Date Time Collected : 6/21/05 5:27:24 PM
Injection Volume : 1.00
Injection Number : 3

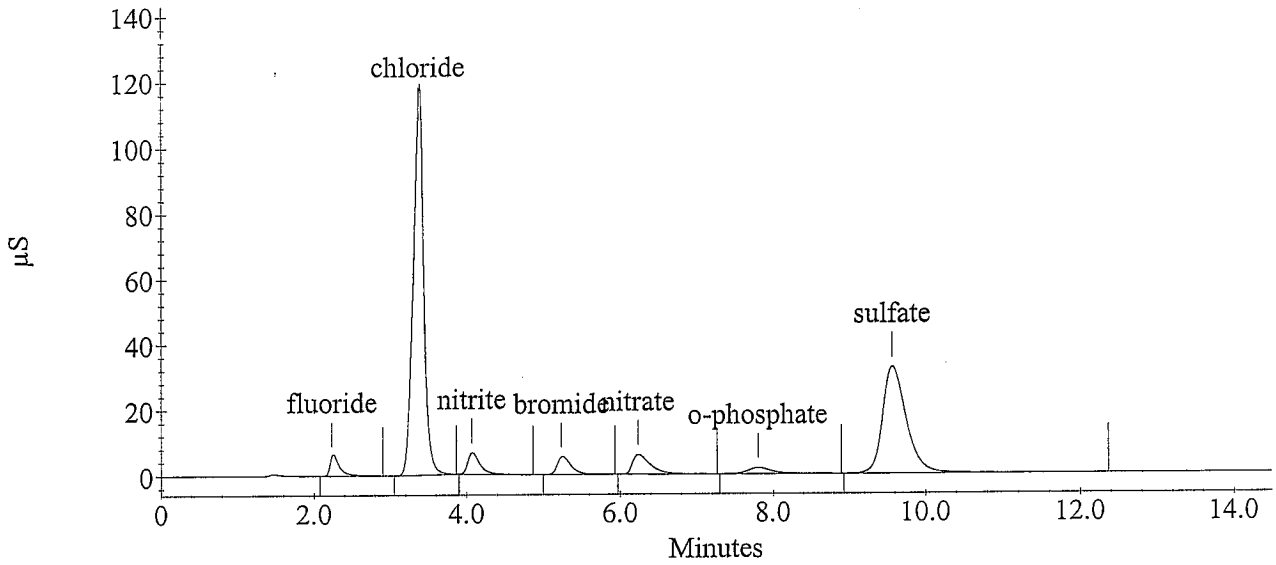
System Name : DIONEX DX-120
System Operator : OC/DB
Calibration Date : 6/21/05 5:41:58 PM
Calibration Level : 4

IC5109

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	5.00	567449	58614
chloride	3.37	100.00	11071314	1076735
nitrite	4.07	5.00	711100	64910
bromide	5.23	20.00	682003	52837
nitrate	6.23	5.00	967153	59589
o-phosphate	7.80	5.00	413131	18639
sulfate	9.57	100.00	7015642	325053

Cal std 4



STL North Canton Ion Chromatography Calibration Report

Sample Name : Cal std 3
Data File Name : c:\peaknet\data\dx-120 data\062105\Cal3_006.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\062105.sch
Date Time Collected : 6/21/05 6:17:44 PM
Injection Volume : 1.00
Injection Number : 6

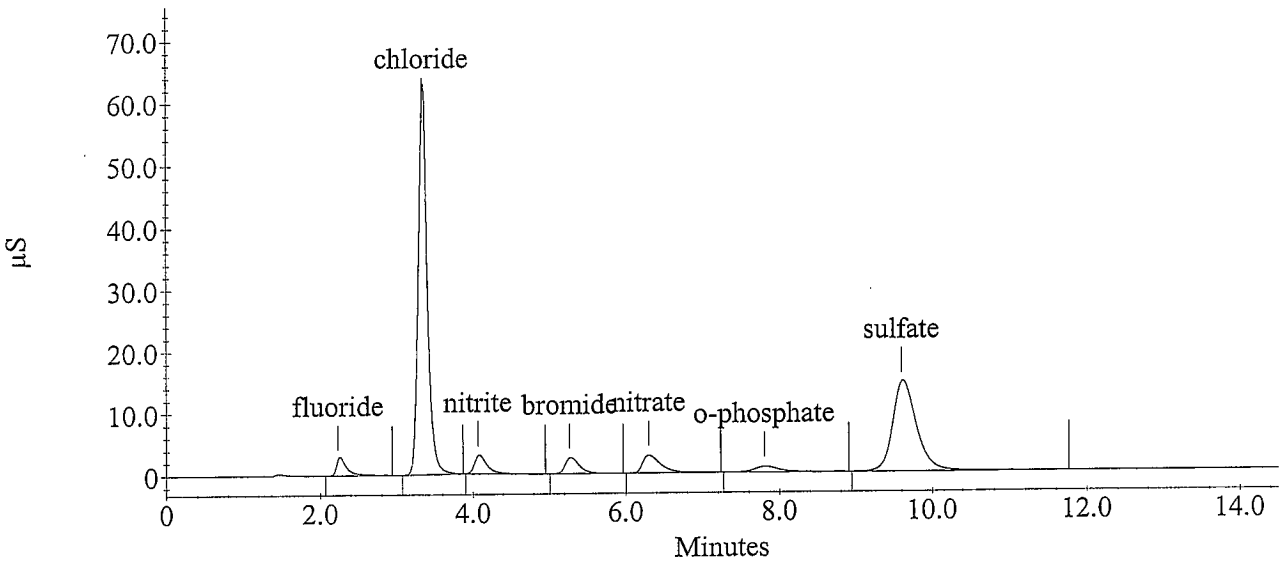
System Name : DIONEX DX-120
System Operator : OC/DB
Calibration Date : 6/21/05 6:32:17 PM
Calibration Level : 3

IC5110

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.50	272142	24897
chloride	3.33	50.00	5091401	582698
nitrite	4.07	2.50	335797	28607
bromide	5.27	10.00	327240	25033
nitrate	6.30	2.50	461391	28265
o-phosphate	7.80	2.50	212290	9078
sulfate	9.60	50.00	3176328	143835

Cal std 3



STL North Canton Ion Chromatography Calibration Report

Sample Name : Cal std 2
Data File Name : c:\peaknet\data\dx-120 data\062105\Cal2_004.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\062105.sch
Date Time Collected : 6/21/05 5:44:11 PM
Injection Volume : 1.00
Injection Number : 4

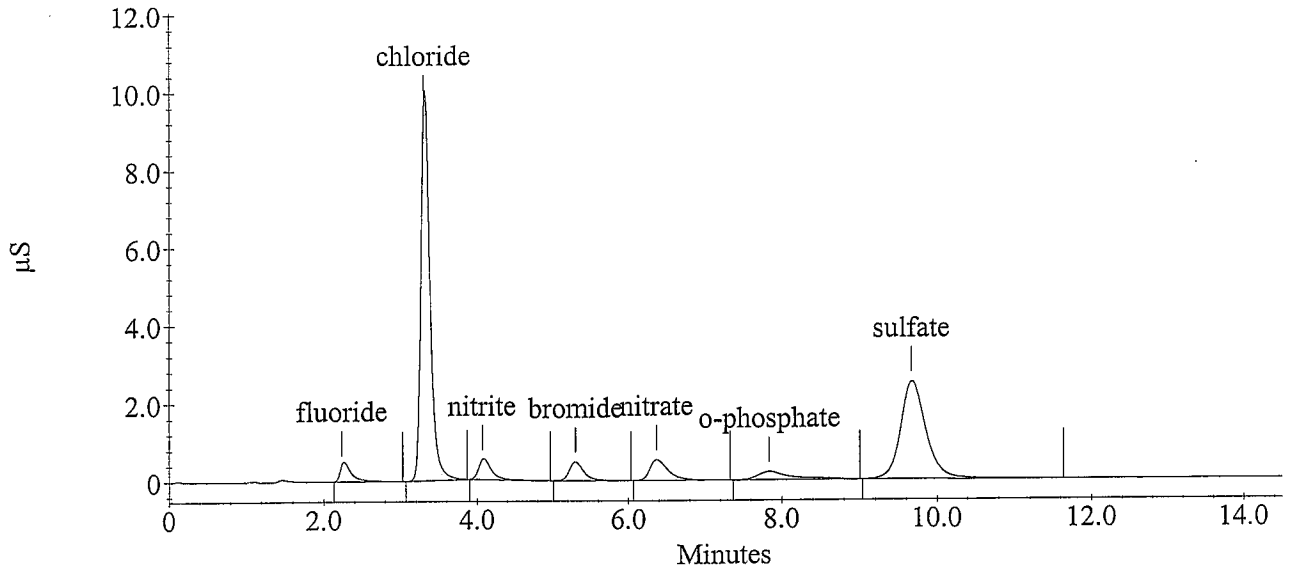
System Name : DIONEX DX-120
System Operator : OC/DB
Calibration Date : 6/21/05 5:58:45 PM
Calibration Level : 2

IC5111

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	0.50	51011	4157
chloride	3.30	10.00	814486	95320
nitrite	4.07	0.50	62616	5138
bromide	5.30	2.00	63834	4804
nitrate	6.37	0.50	89561	5326
o-phosphate	7.83	0.50	65413	2151
sulfate	9.67	10.00	570607	24876

Cal std 2



STL North Canton Ion Chromatography Calibration Report

Sample Name : Cal std 1
Data File Name : c:\peaknet\data\dx-120 data\062105\Cal1_005.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\062105.sch
Date Time Collected : 6/21/05 6:00:57 PM
Injection Volume : 1.00
Injection Number : 5

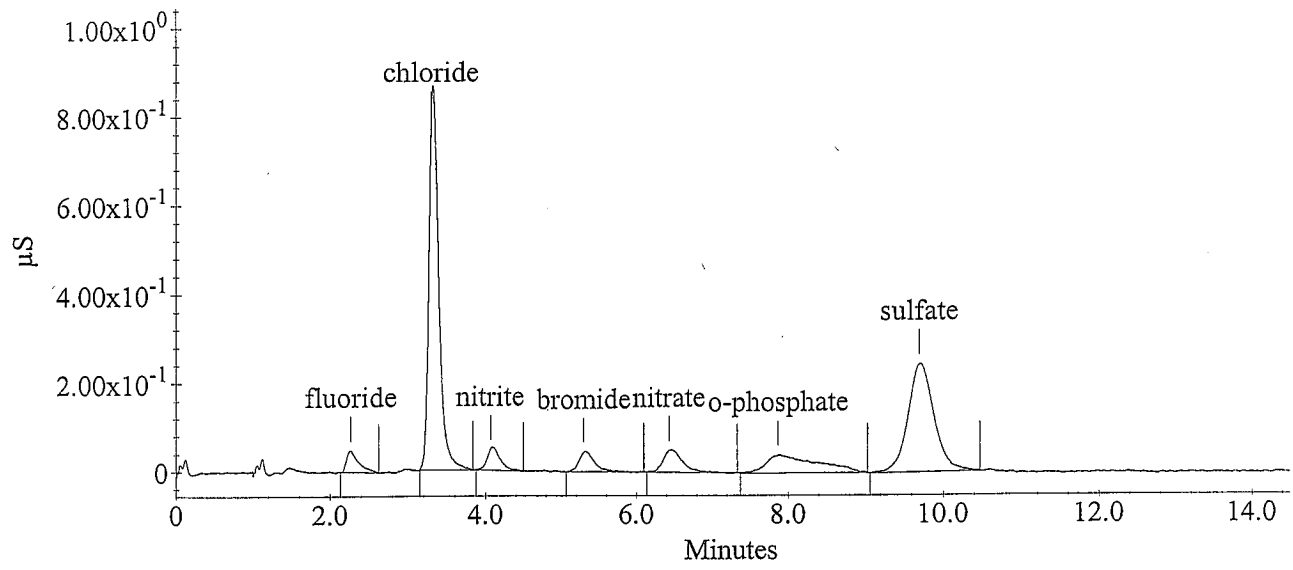
System Name : DIONEX DX-120
System Operator : OC/DB
Calibration Date : 6/21/05 6:15:31 PM
Calibration Level : 1

IC5112

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.05	5133	482
chloride	3.30	1.00	74804	7761
nitrite	4.07	0.05	6074	464
bromide	5.30	0.20	6478	436
nitrate	6.43	0.05	8790	484
o-phosphate	7.87	0.05	18461	403
sulfate	9.70	1.00	55891	2428

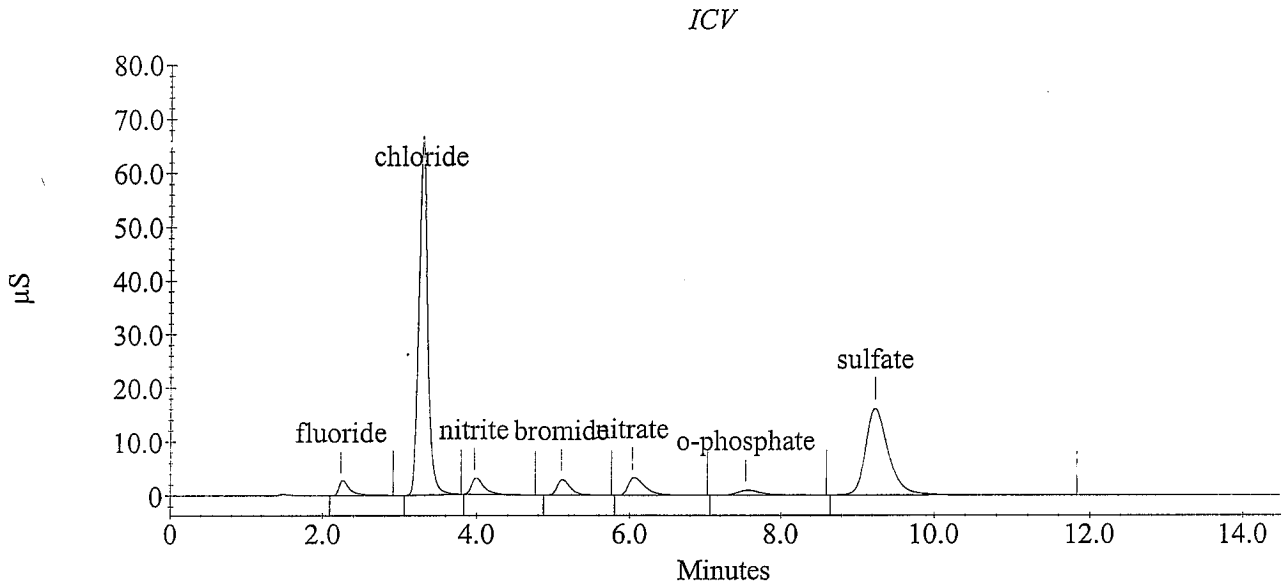
Cal std 1

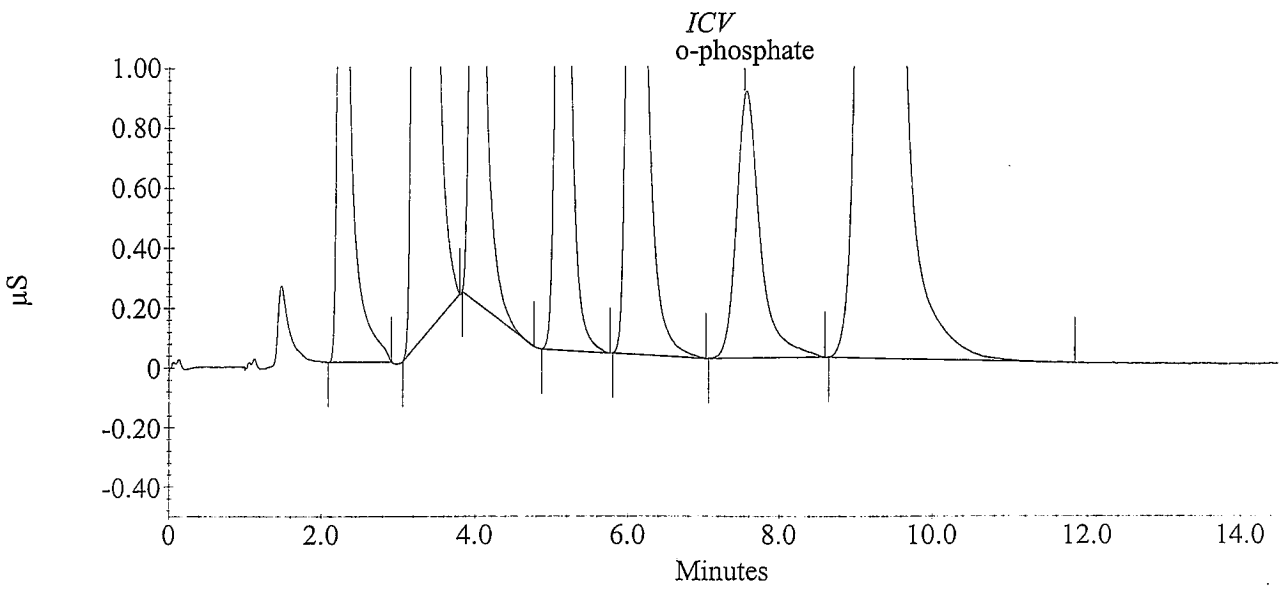


STL North Canton Ion Chromatography Analysis Report

Sample Name : ICV
Data File Name : c:\peaknet\data\dx-120 data\070105\ICV_002.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 2
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:20:16 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : ICV
Data File Name : c:\peaknet\data\dx-120 data\070105\ICV_002.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 2
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:20:16 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.48	272146	23631
chloride	3.27	49.79	5250950	535628
nitrite	3.97	2.43	331320	27314
bromide	5.10	10.17	335124	27484
nitrate	6.03	2.56	476871	30275
o-phosphate	7.53	2.23	191408	8575
sulfate	9.23	49.96	3296248	160482

Peak Information : Unknown Peaks

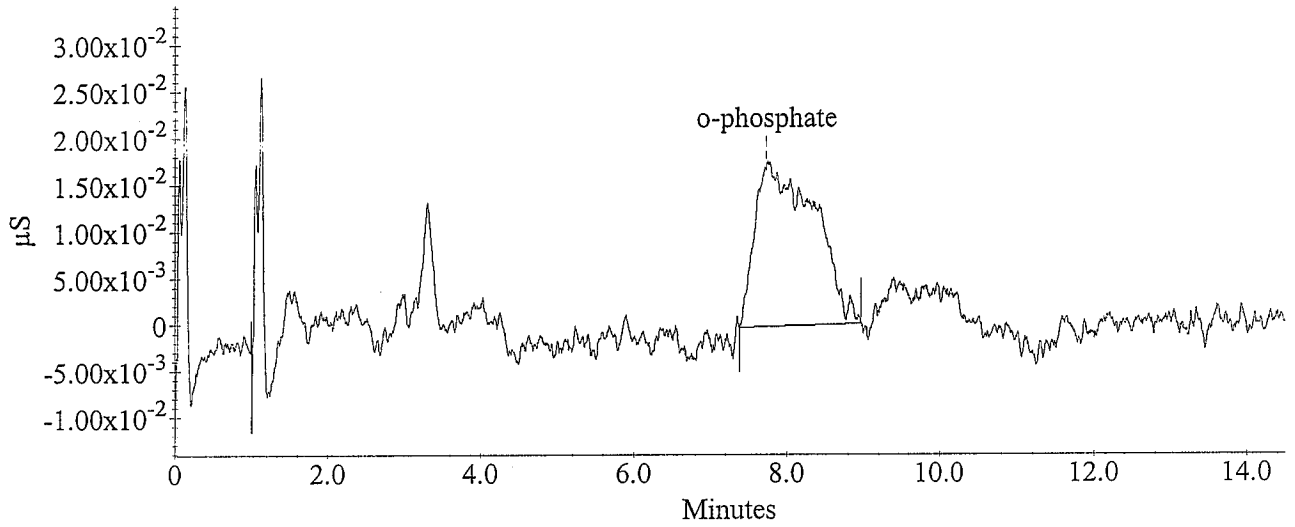
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

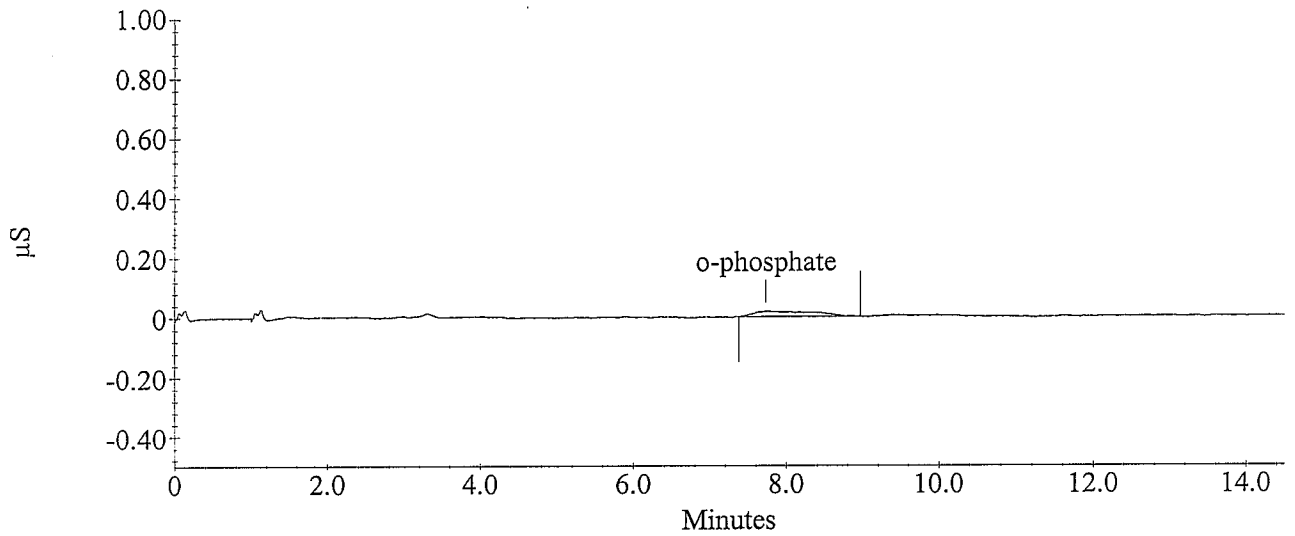
Sample Name : ICB
Data File Name : c:\peaknet\data\dx-120 data\070105\ICB_003.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 3
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:37:15 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

ICB



ICB



STL North Canton Ion Chromatography Analysis Report

Sample Name : ICB
Data File Name : c:\peaknet\data\dx-120 data\070105\ICB_003.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 3
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:37:15 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
o-phosphate	7.73	0.11	9403	170
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.73	0.11	9403	170
sulfate				

Peak Information : Unknown Peaks

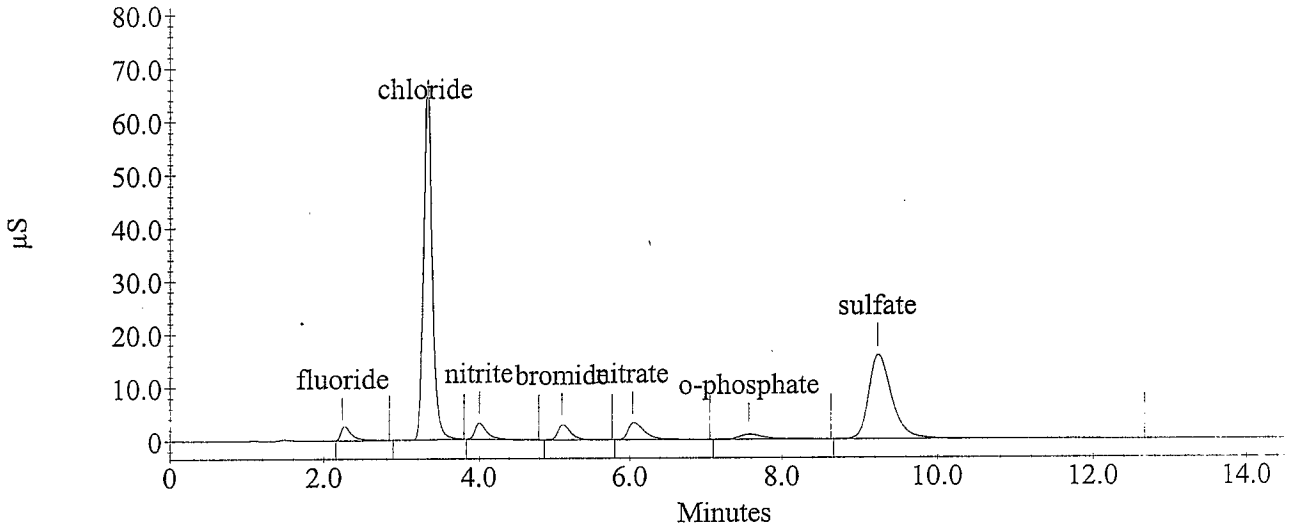
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

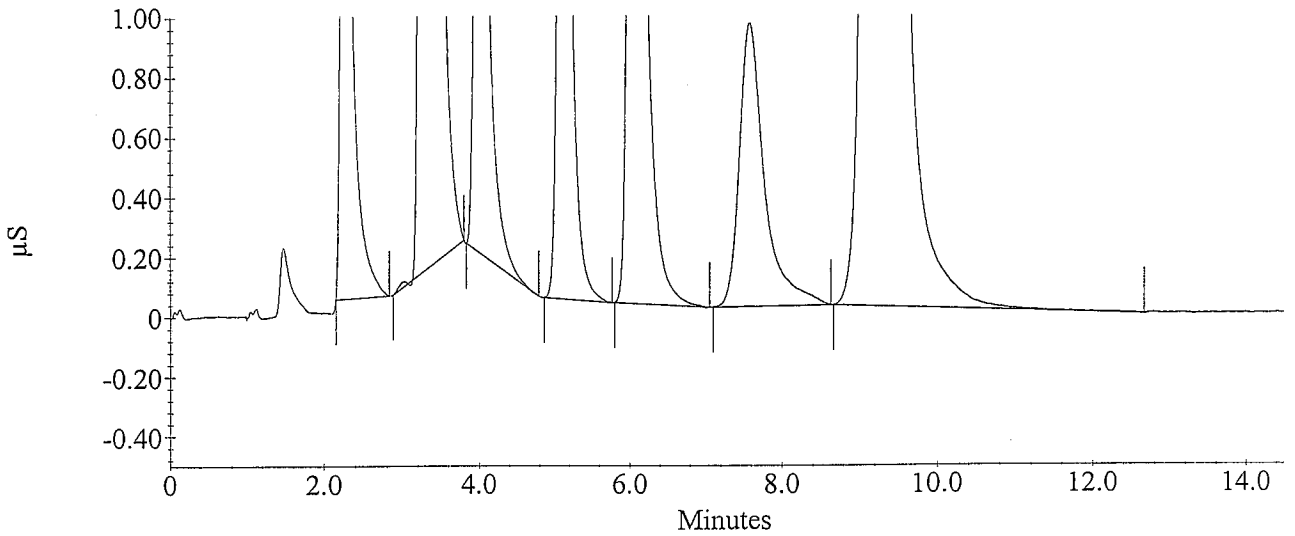
Sample Name : LCS
Data File Name : c:\peaknet\data\dx-120 data\070105\LCS_004.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 4
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:54:11 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS



LCS



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\dx-120 data\070105\LCS_004.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 4
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:54:11 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.28	249656	21436
chloride	3.30	48.96	5160231	564310
nitrite	4.00	2.43	330250	30526
bromide	5.10	10.06	331298	27710
nitrate	6.03	2.53	471115	30923
o-phosphate	7.57	2.49	212917	9371
sulfate	9.23	49.09	3236451	158022

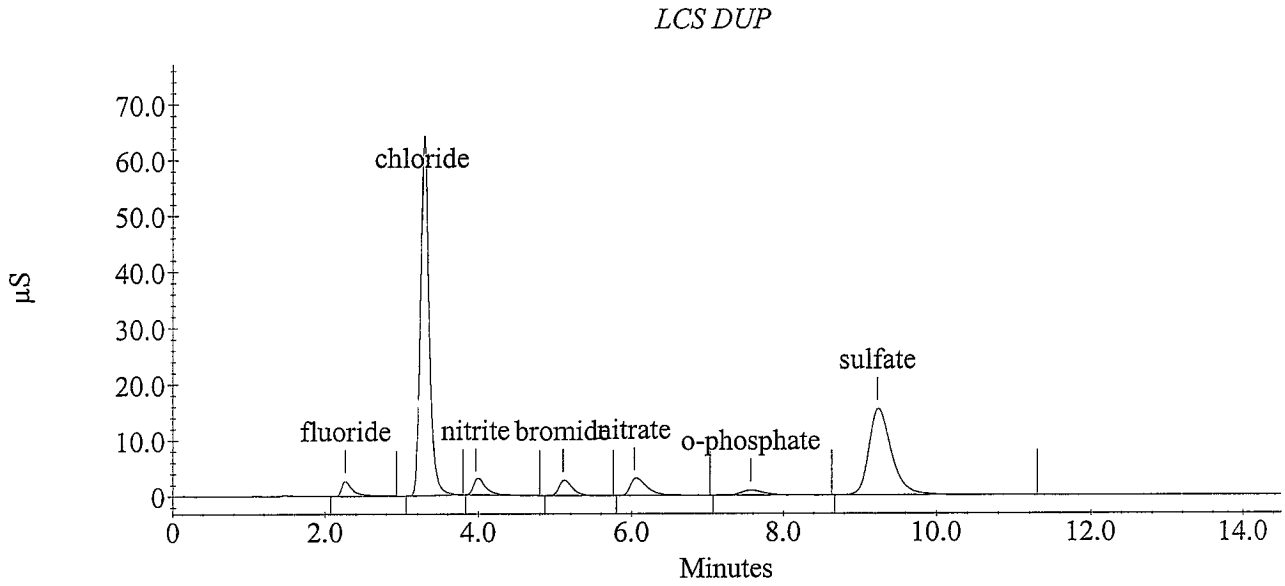
Peak Information : Unknown Peaks

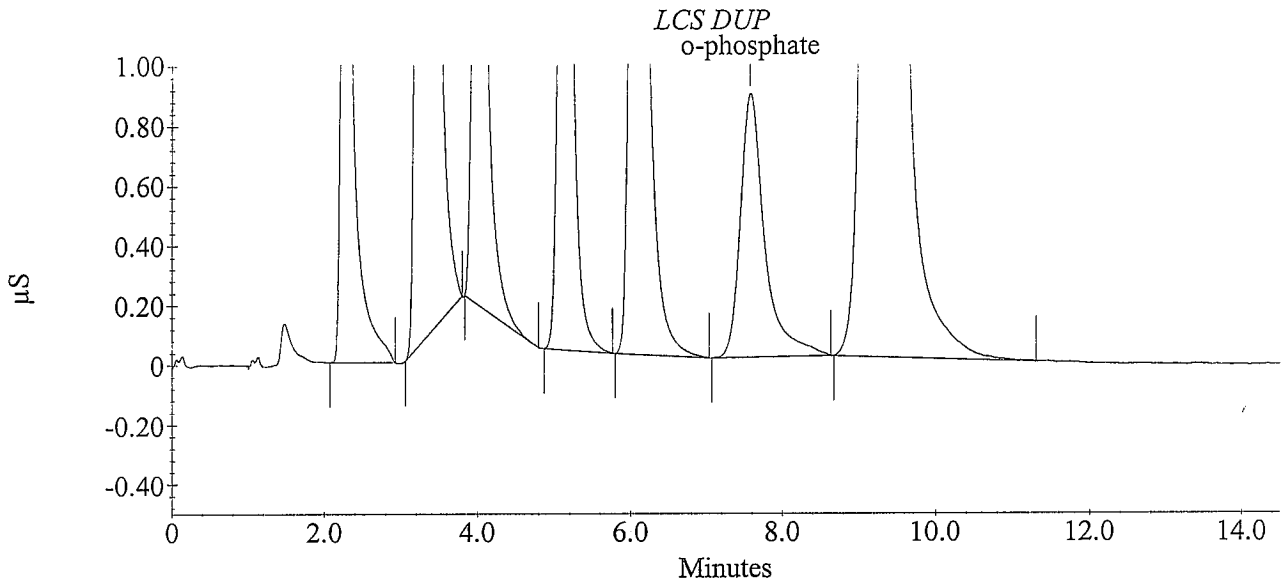
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx-120 data\070105\LCS DUP_005.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 5
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 3:11:09 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx-120 data\070105\LCS DUP_005.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/1/05 3:11:09 PM
Sample Weight : 1.00000
Injection Number : 5
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	2.40	263168	26454
chloride	3.27	47.88	5043007	513099
nitrite	3.97	2.41	328009	26258
bromide	5.10	9.85	324333	26567
nitrate	6.03	2.47	459625	29106
o-phosphate	7.57	2.28	194918	8729
sulfate	9.23	47.73	3143009	153166

Peak Information : Unknown Peaks

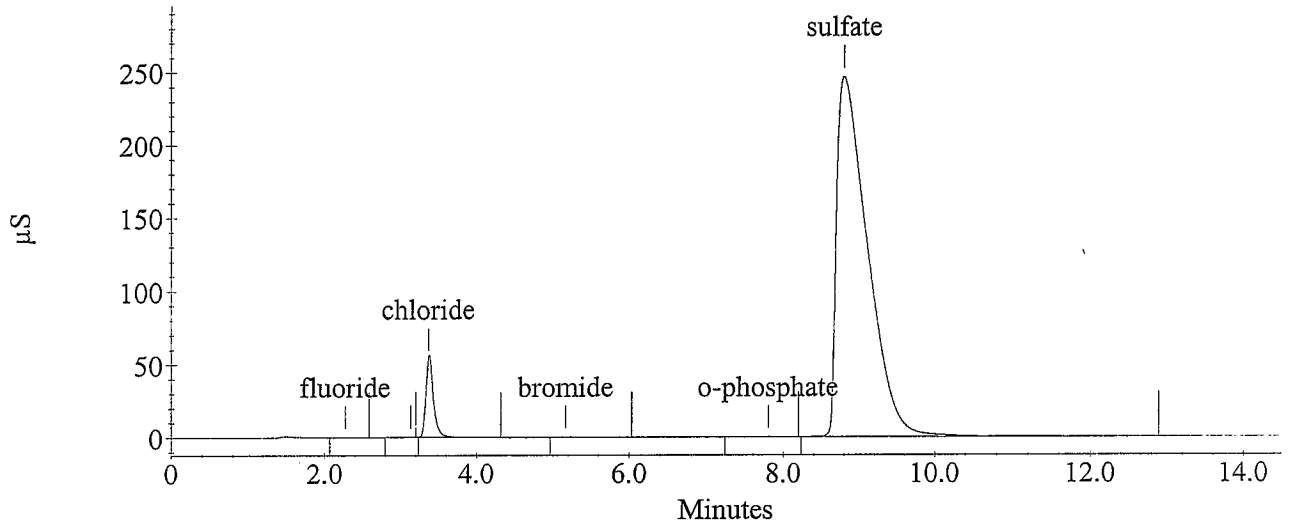
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

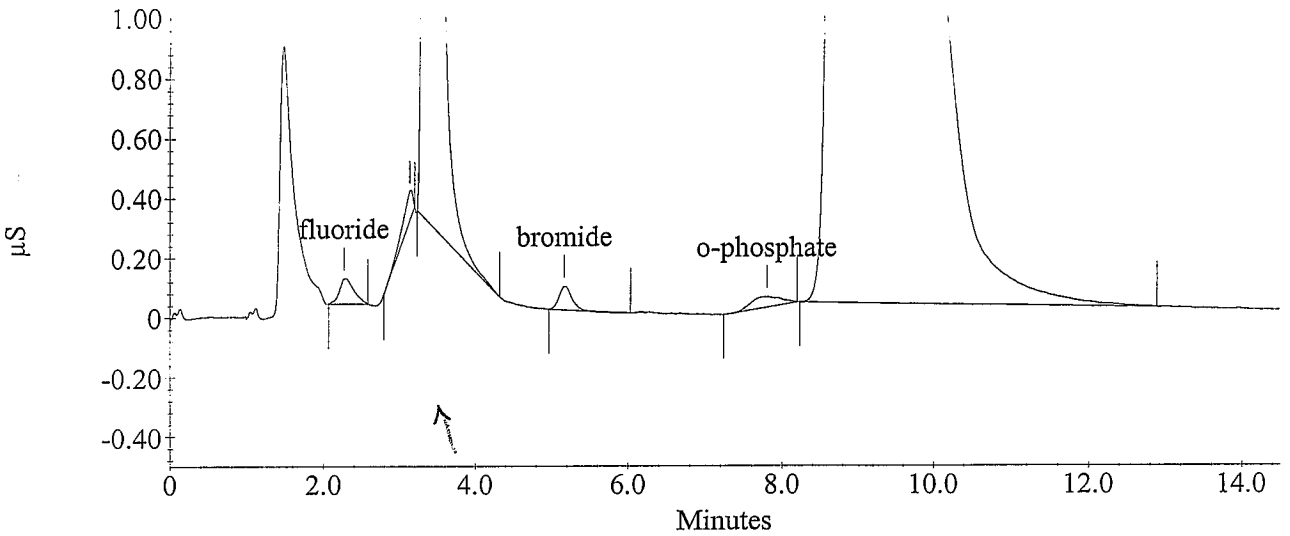
Sample Name : HEQ4D
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4D_006.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 6
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 3:49:28 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEQ4D



HEQ4D



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4D
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4D_006.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/1/05 3:49:28 PM
Sample Weight : 1.00000
Injection Number : 6
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.11	11208	837
chloride	3.37	36.39	3805252	527311
nitrite				
bromide	5.17	0.27	8756	788
nitrate				
o-phosphate	7.80	0.11	9346	344
sulfate	8.80	167.87	69459267	2460535

Peak Information : Unknown Peaks

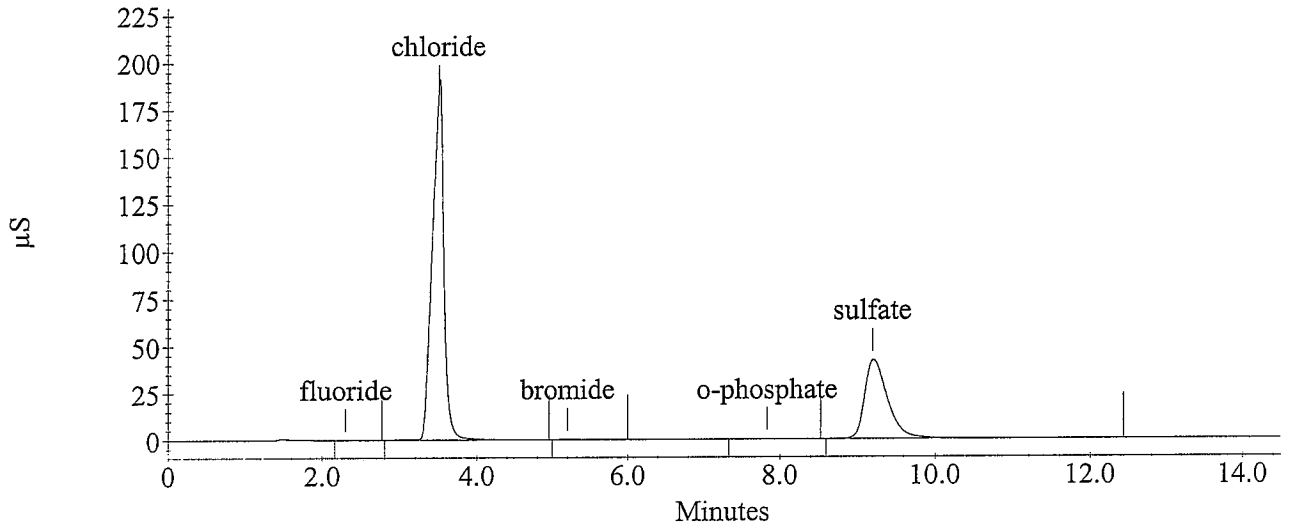
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.13	0.00	9573	976

STL North Canton Ion Chromatography Analysis Report

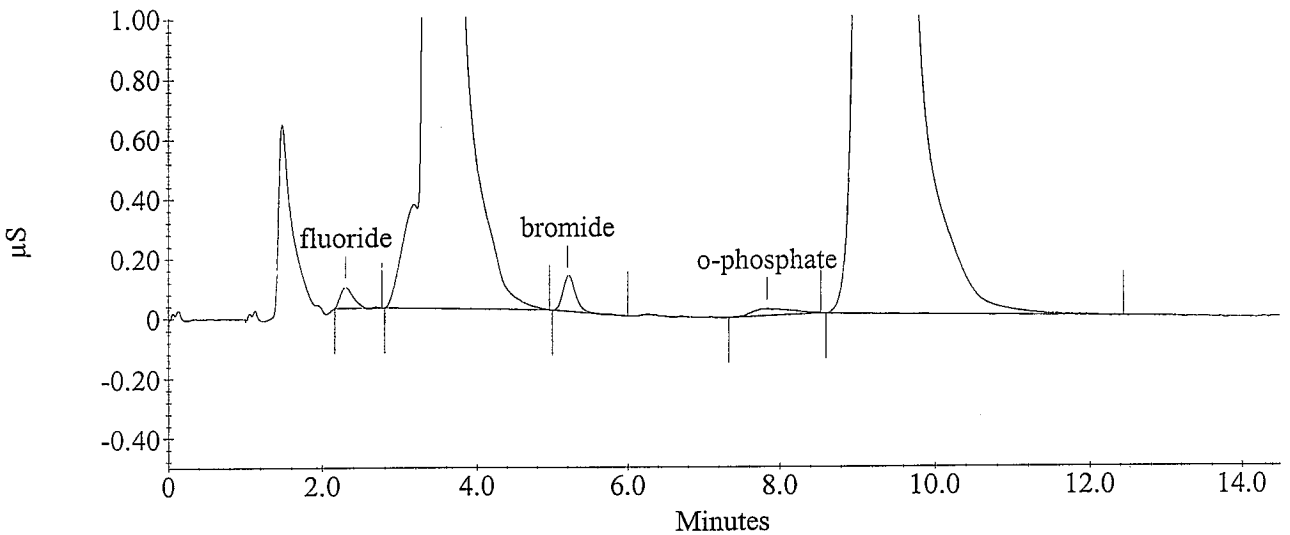
Sample Name : HEQ4K
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4K_007.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 7
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:06:13 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEQ4K



HEQ4K



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4K
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4K_007.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/1/05 4:06:13 PM
Sample Weight : 1.00000

Injection Number : 7
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.30	0.07	7892	693
chloride	3.50	171.11	19706535	1815940
nitrite				
bromide	5.20	0.42	13560	1152
nitrate				
o-phosphate	7.83	0.09	8018	224
sulfate	9.20	120.76	8535164	416300

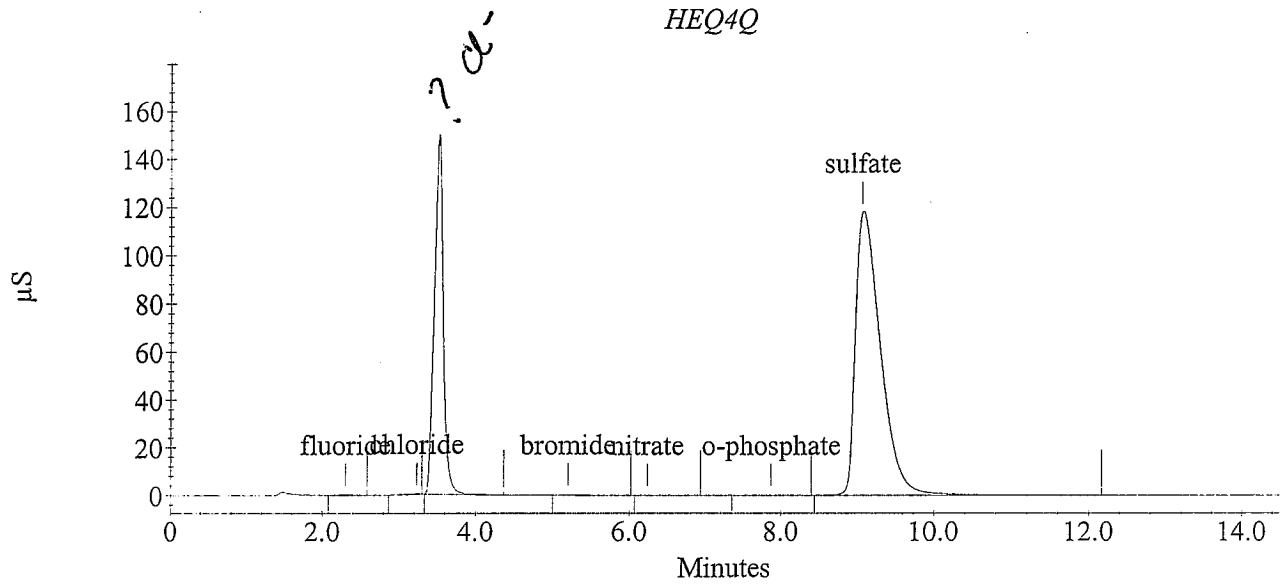
Peak Information : Unknown Peaks

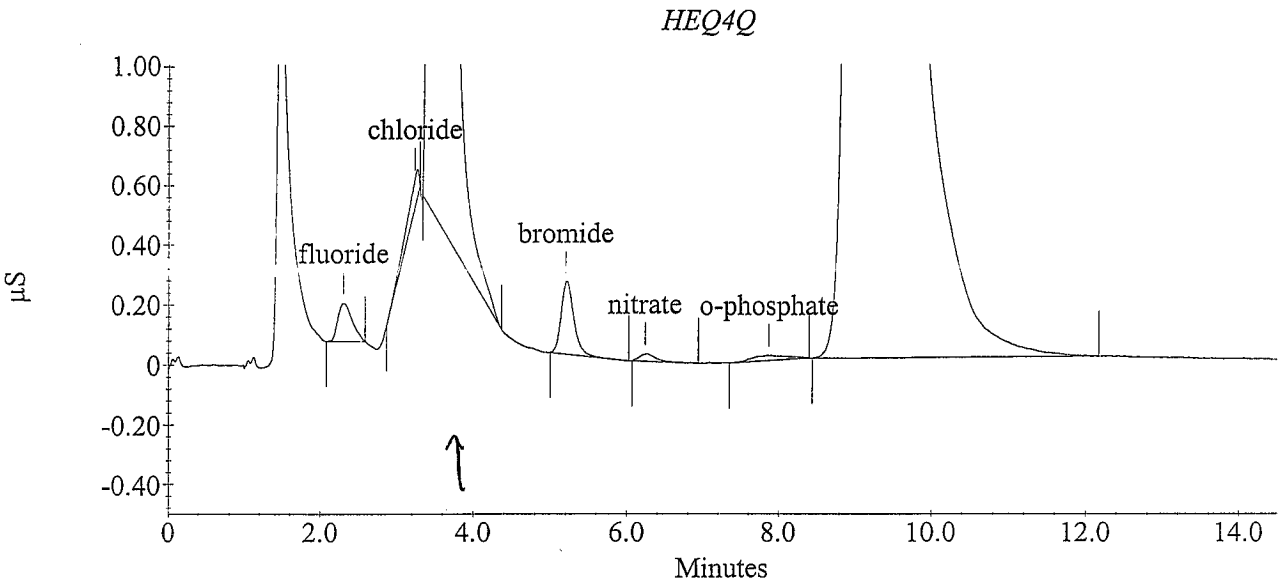
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4Q
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4Q_008.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 8
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:23:00 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4Q
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4Q_008.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/1/05 4:23:00 PM
Sample Weight : 1.00000
Injection Number : 8
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.30	0.15	16303	1256
chloride	3.23	0.11	11483	948
nitrite				
bromide	5.20	0.87	27846	2360
nitrate	6.23	0.02	3583	235
o-phosphate	7.87	0.06	5314	162
sulfate	9.07	284.59	26738811	1170497

Peak Information : Unknown Peaks

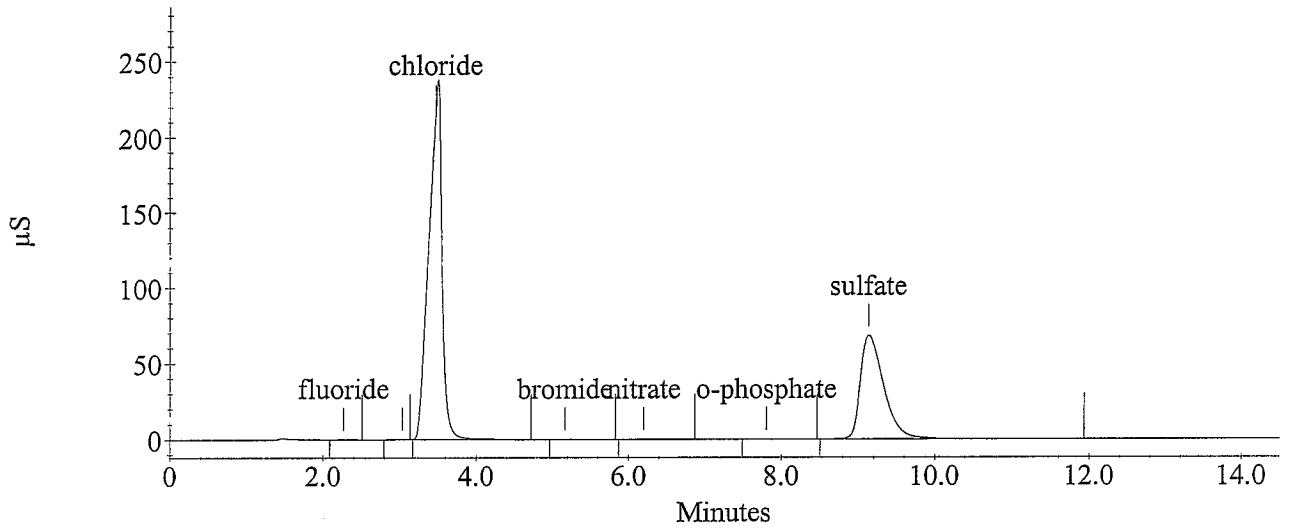
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.50	0.00	12088488	1322592

STL North Canton Ion Chromatography Analysis Report

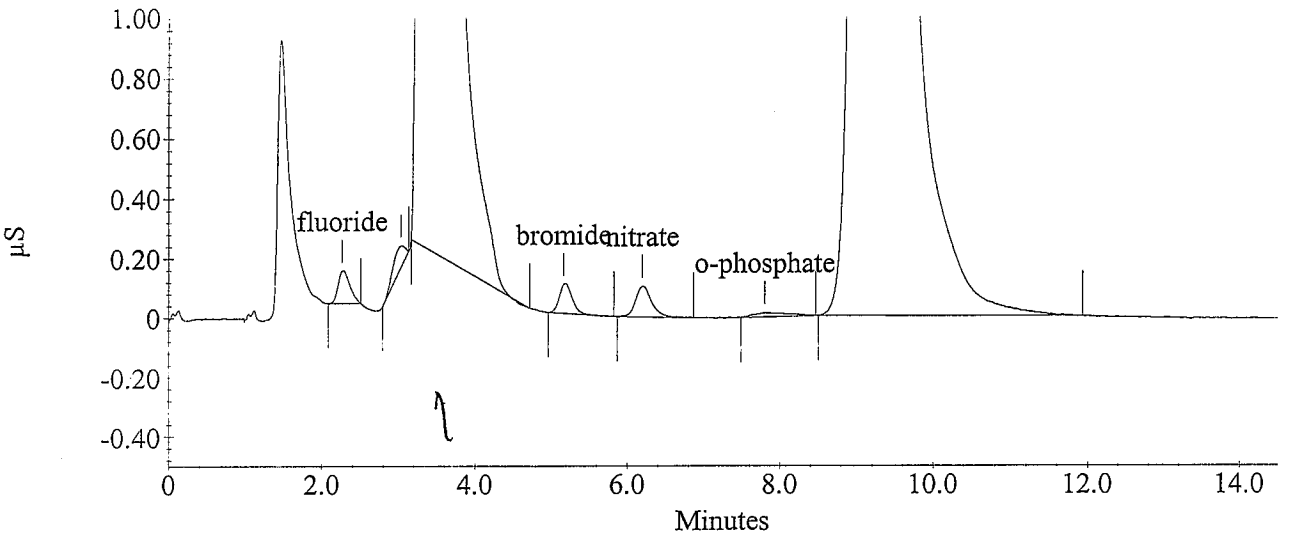
Sample Name : HEQ4T
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4T_009.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 9
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:40:00 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEQ4T



HEQ4T



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4T
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4T_009.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 9
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:40:00 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.11	11587	1079
chloride	3.47	230.68	28061213	2141590
nitrite				
bromide	5.17	0.36	11407	956
nitrate	6.20	0.08	15153	1025
o-phosphate	7.80	0.05	4196	137
sulfate	9.13	185.60	14217112	678939

Peak Information : Unknown Peaks

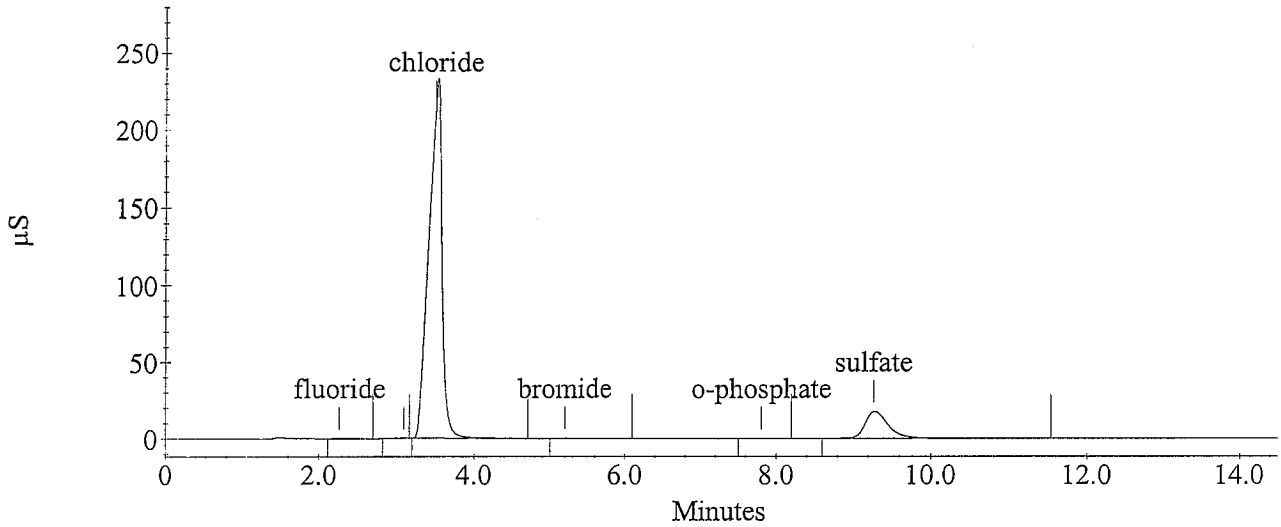
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	8474	729

STL North Canton Ion Chromatography Analysis Report

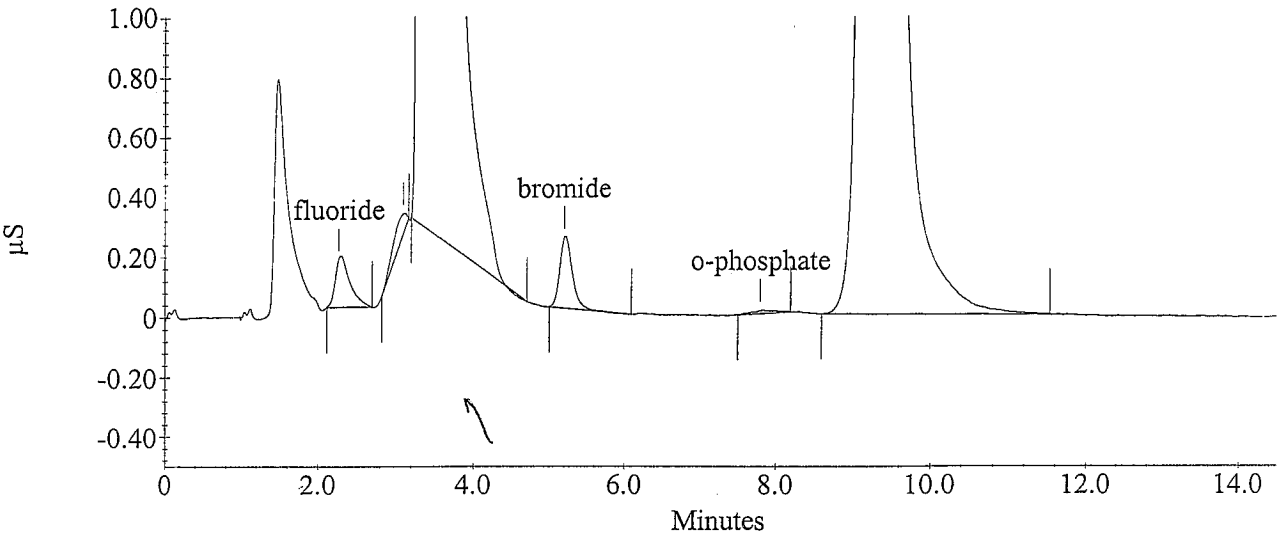
Sample Name : HEQ4X
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4X_010.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 10
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:57:04 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEQ4X



HEQ4X



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4X
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4X_010.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/1/05 4:57:04 PM
Sample Weight : 1.00000
Injection Number : 10
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.21	22029	1556
chloride	3.50	222.39	26830980	2107684
nitrite				
bromide	5.20	0.86	27543	2325
nitrate				
o-phosphate	7.80	0.02	2130	93
sulfate	9.27	53.48	3539188	172194

Peak Information : Unknown Peaks

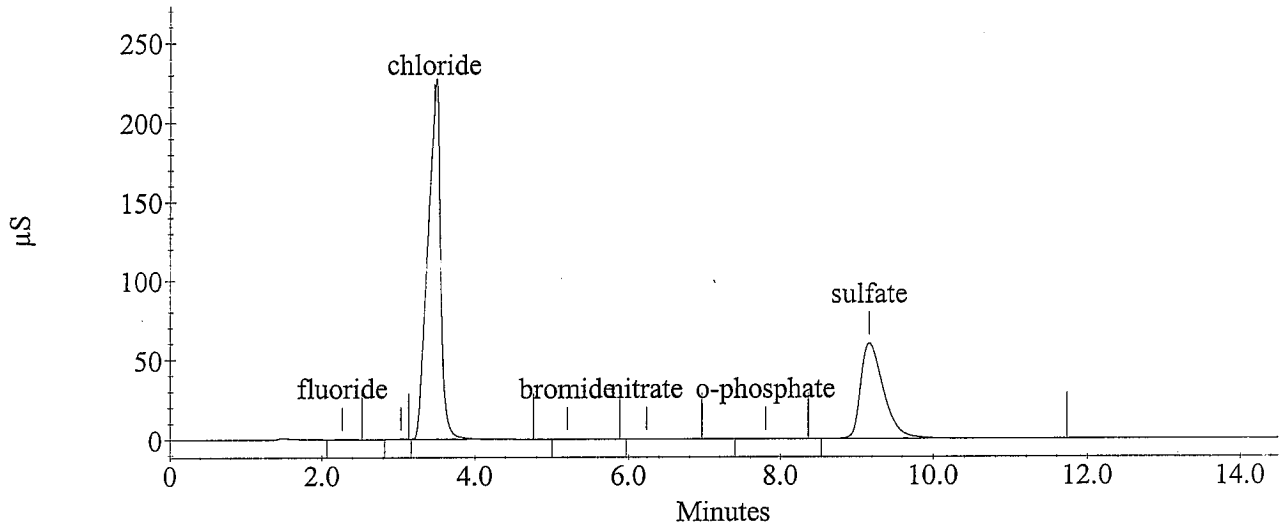
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.10	0.00	9692	660

STL North Canton Ion Chromatography Analysis Report

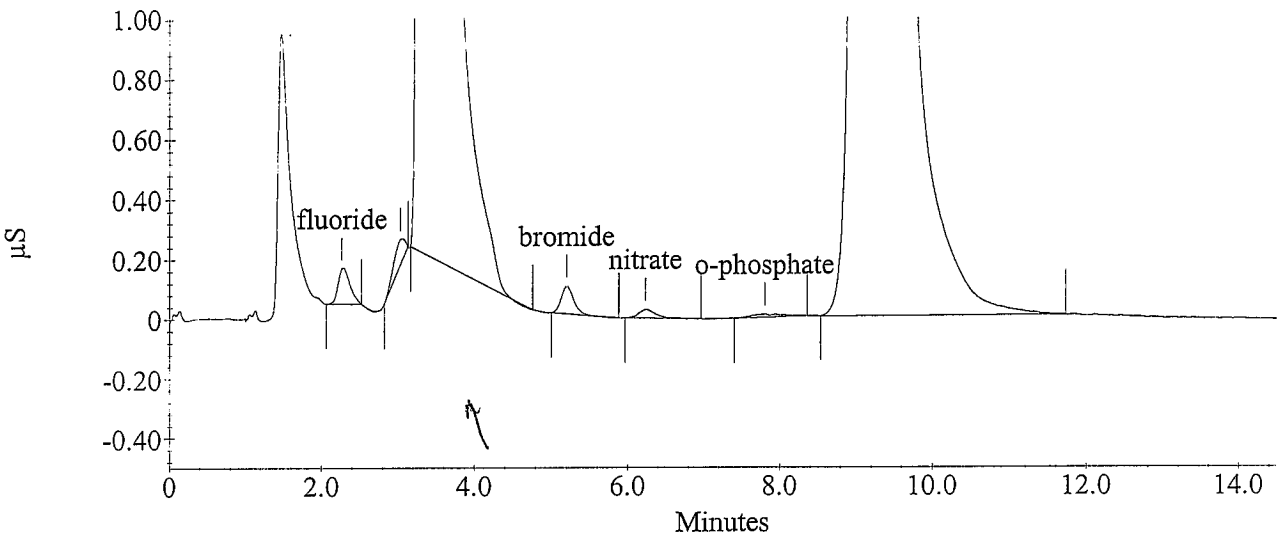
Sample Name : HEQ41
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ41_011.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 11
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:14:00 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEQ41



HEQ41



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ41
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ41_011.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 11
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:14:00 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.12	13002	1160
chloride	3.47	215.05	25760966	2039476
nitrite				
bromide	5.20	0.32	10327	920
nitrate	6.23	0.02	4149	281
o-phosphate	7.80	0.03	2752	99
sulfate	9.17	165.47	12331769	595462

Peak Information : Unknown Peaks

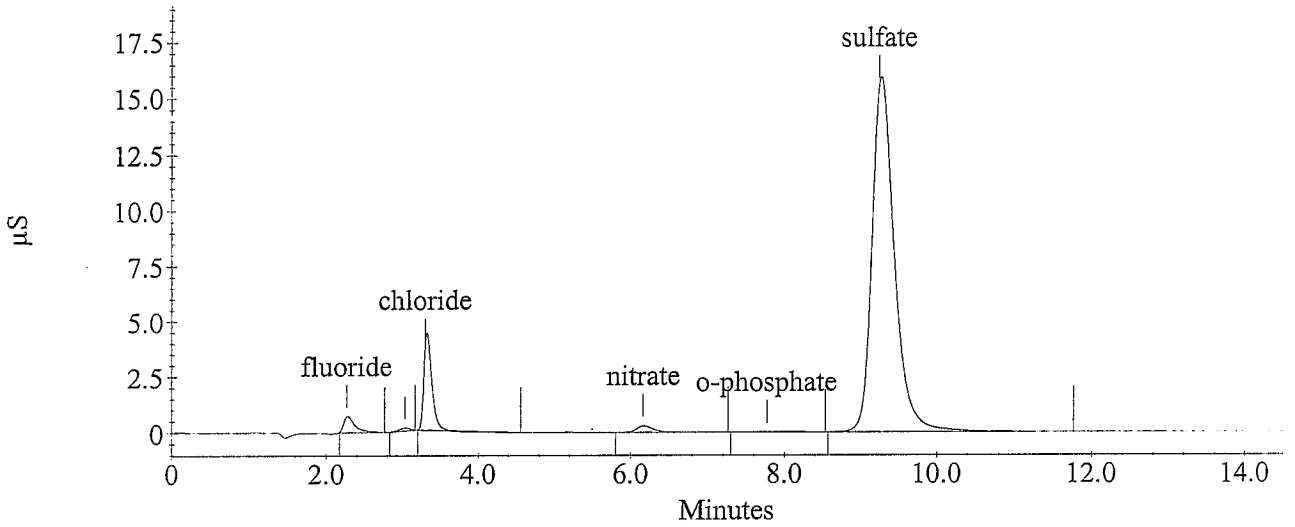
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	8487	840

STL North Canton Ion Chromatography Analysis Report

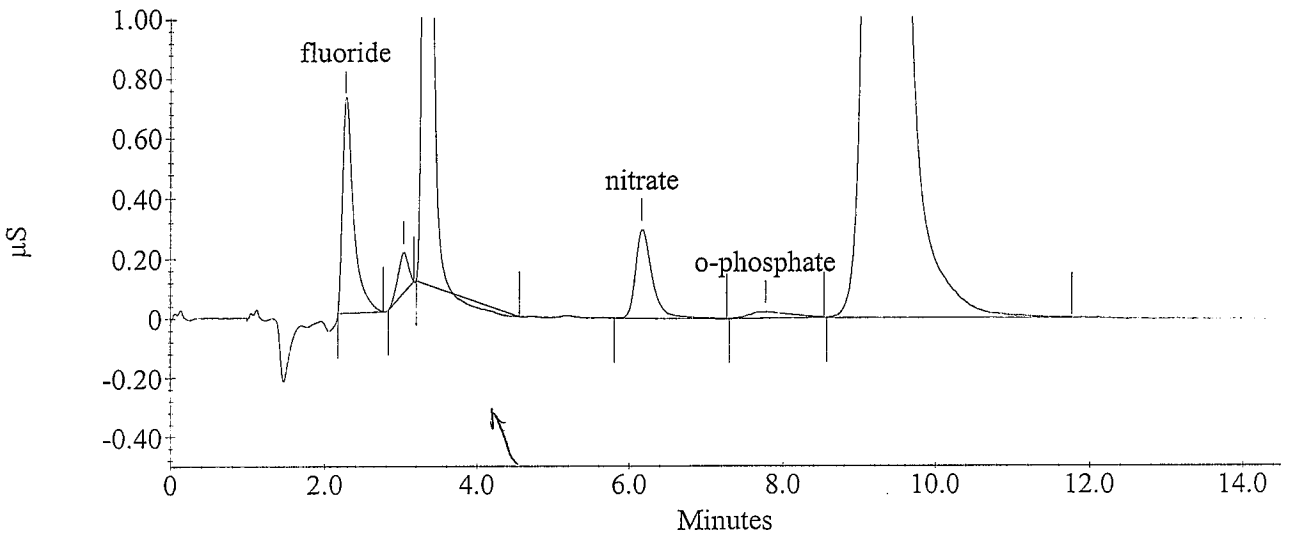
Sample Name : HEQ45 ORG
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ45 ORG_012.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 12
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:31:02 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEQ45 ORG



HEQ45 ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ45 ORG
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ45 ORG_012.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 12
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:31:02 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.67	72435	7010
chloride	3.30	3.03	310952	35973
nitrite				
bromide				
nitrate	6.17	0.25	45071	2935
o-phosphate	7.77	0.09	7826	205
sulfate	9.23	49.47	3262418	154246

Peak Information : Unknown Peaks

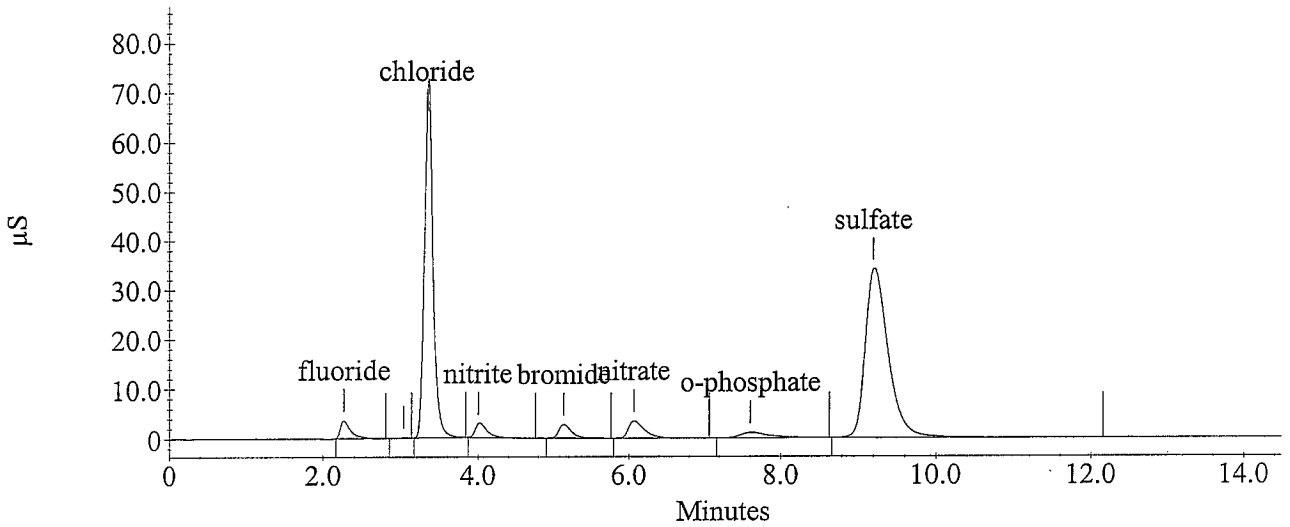
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	12536	1336

STL North Canton Ion Chromatography Analysis Report

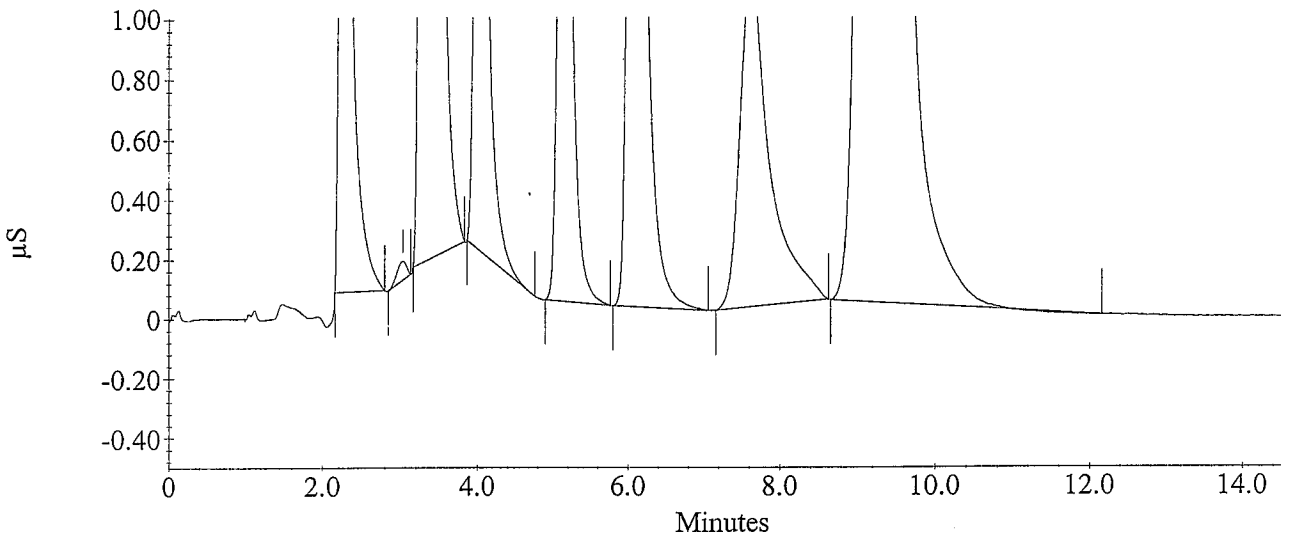
Sample Name : HEQ45 MS
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ45 MS_013.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 13
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:48:02 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEQ45 MS



HEQ45 MS



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ45 MS
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ45 MS_013.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 13
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:48:02 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	2.94	323571	35240
chloride	3.33	51.79	5468980	638216
nitrite	4.00	2.28	310135	27402
bromide	5.13	9.70	319226	27390
nitrate	6.07	2.68	501576	34073
o-phosphate	7.60	3.48	295122	10953
sulfate	9.20	99.14	6849709	337436

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	5337	629

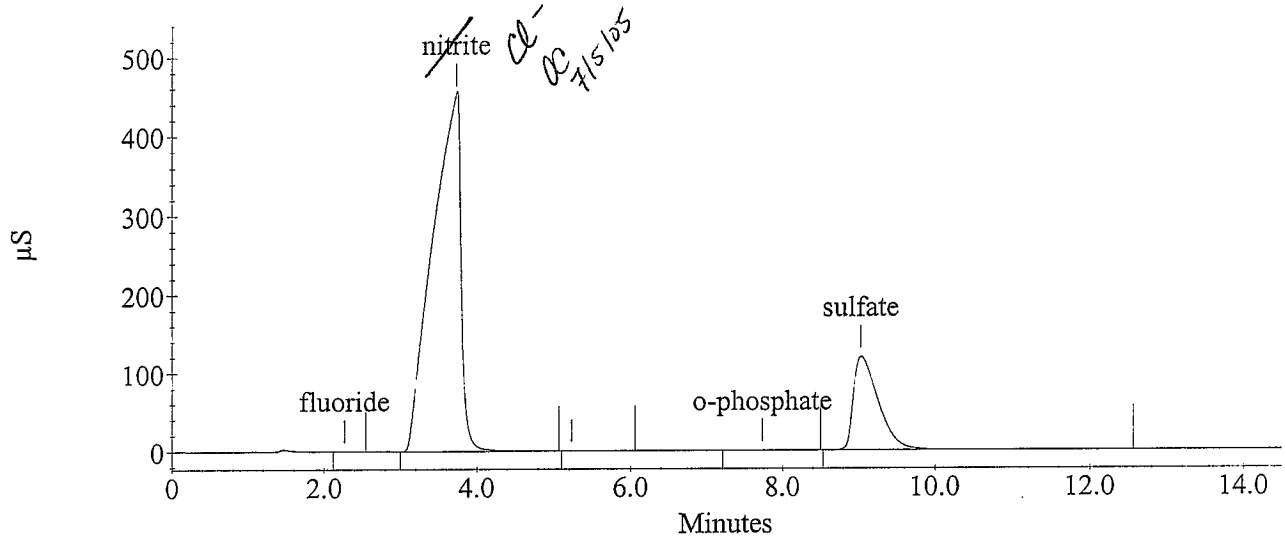
STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-1
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-1_014.DXD

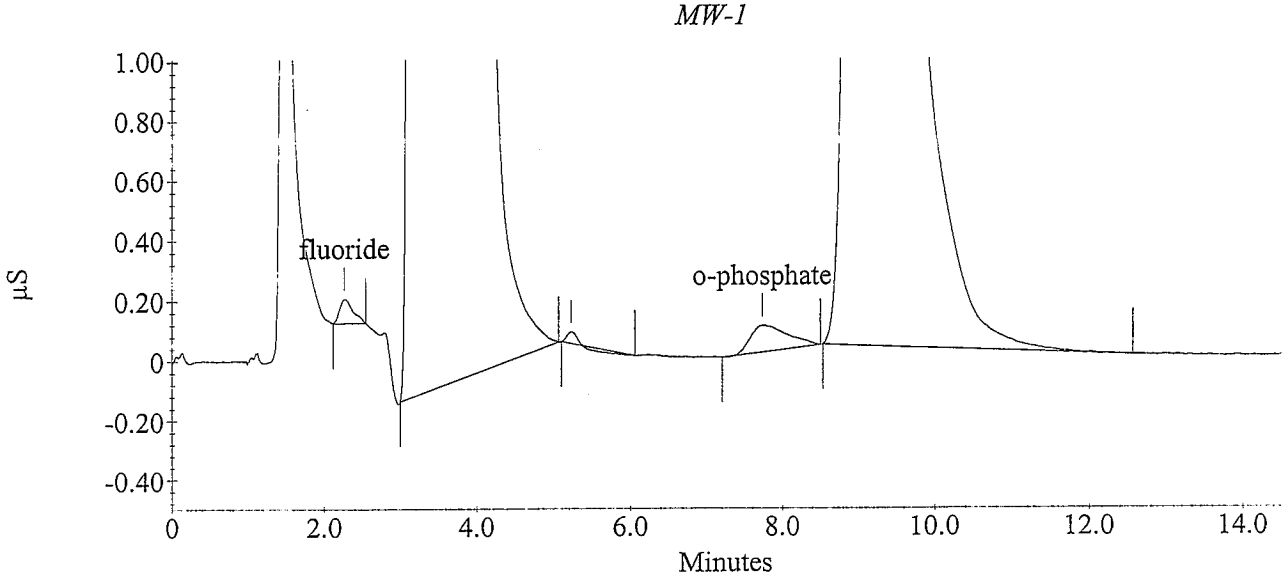
Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 14
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:05:04 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HERIC

MW-1



MW-1



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-1
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-1_014.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 14
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:05:04 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.09	9732	786
chloride				
nitrite	3.73	-8957.00	116584645	4514091
bromide				
nitrate				
o-phosphate	7.73	0.34	29540	882
sulfate	9.03	286.11	27017131	1189743

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	5.23	0.00	859	386

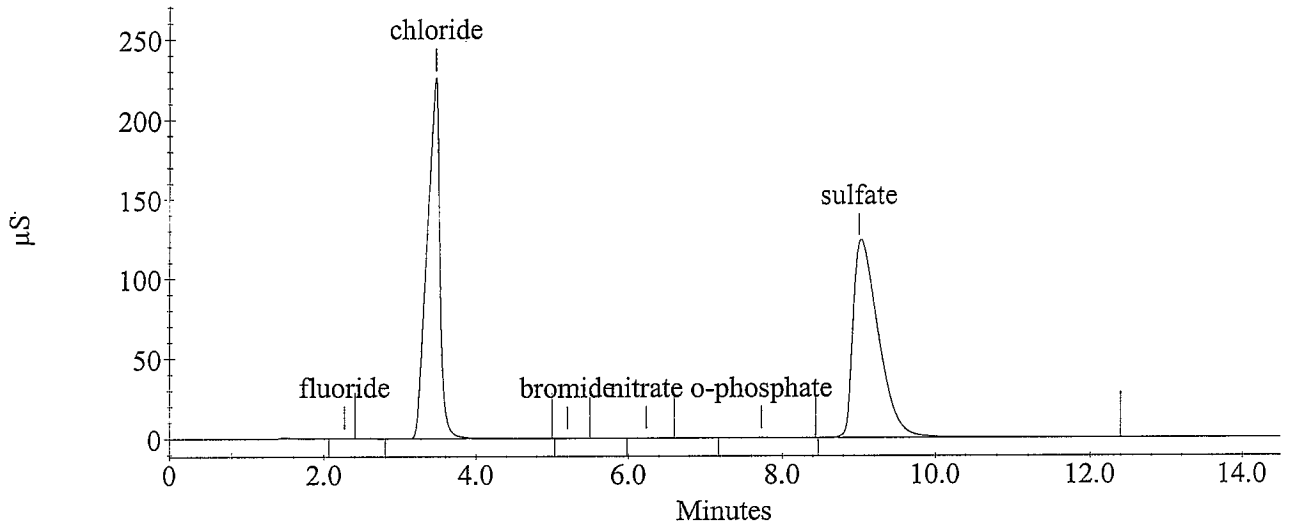
STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-3
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-3_015.DXD

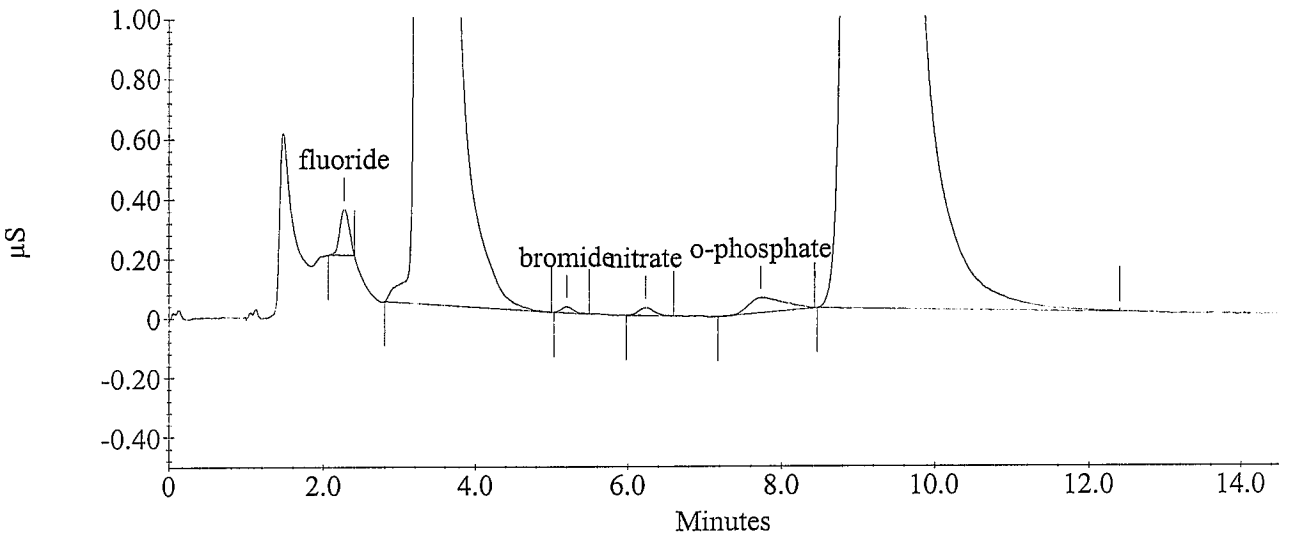
Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 15
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:22:01 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HERIK

MW-3



MW-3



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-3
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-3_015.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 15
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:22:01 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.12	12809	1517
chloride	3.47	219.88	26463408	2247407
nitrite				
bromide	5.20	0.07	2220	206
nitrate	6.23	0.02	3878	269
o-phosphate	7.73	0.18	15735	497
sulfate	9.00	292.40	28238992	1210485

Peak Information : Unknown Peaks

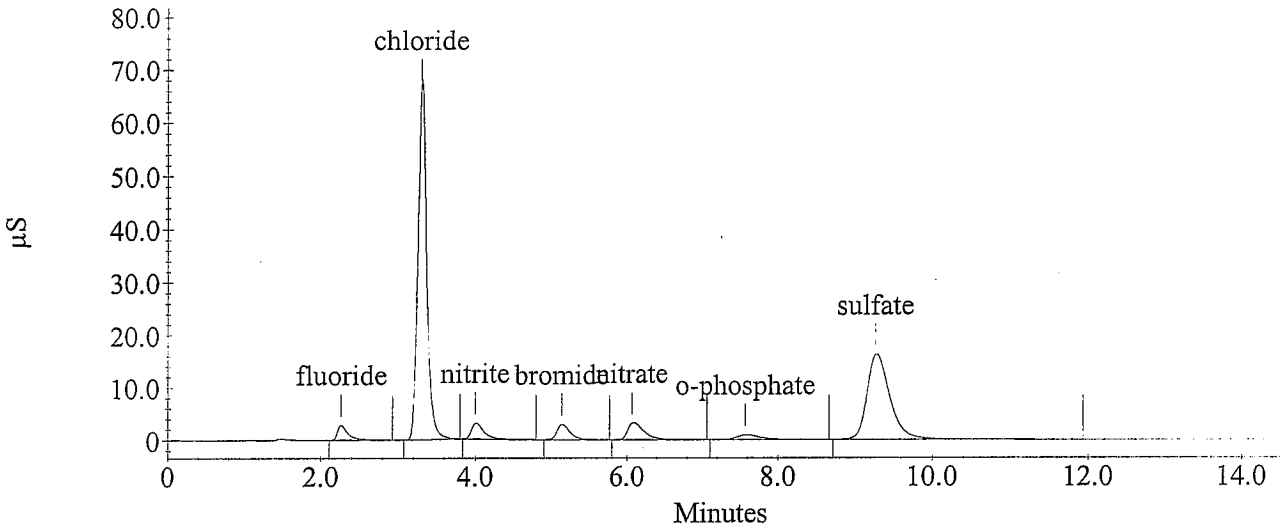
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

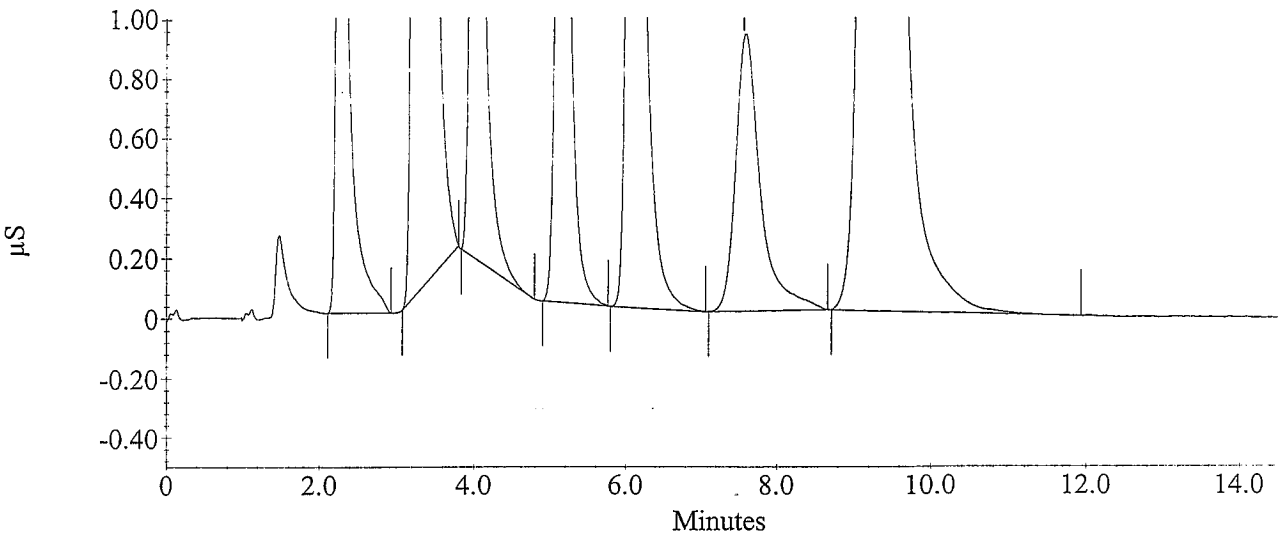
Sample Name : CCV #1
Data File Name : c:\peaknet\data\dx-120 data\070105\CCV #1_016.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 16
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:38:44 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #1



CCV #1



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #1
Data File Name : c:\peaknet\data\dx-120 data\070105\CCV #1_016.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/1/05 6:38:44 PM
Sample Weight : 1.00000
Injection Number : 16
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	2.52	276140	28038
chloride	3.30	50.51	5328466	658660
nitrite	4.00	2.47	336855	30056
bromide	5.13	10.30	339573	28570
nitrate	6.07	2.59	482967	31119
o-phosphate	7.57	2.42	206639	9021
sulfate	9.27	50.47	3331155	160836

Peak Information : Unknown Peaks

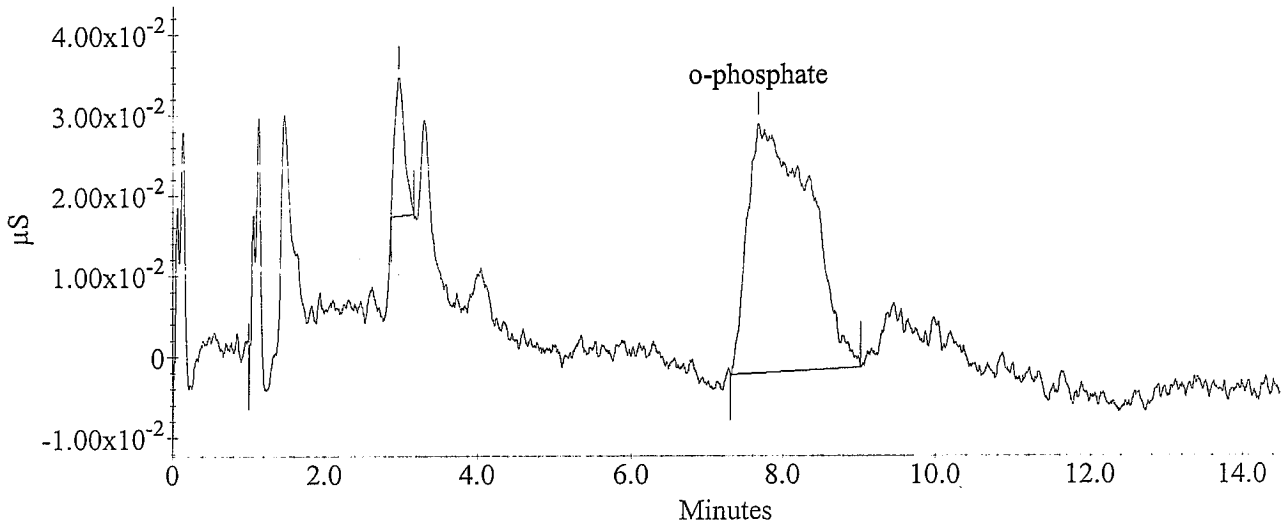
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

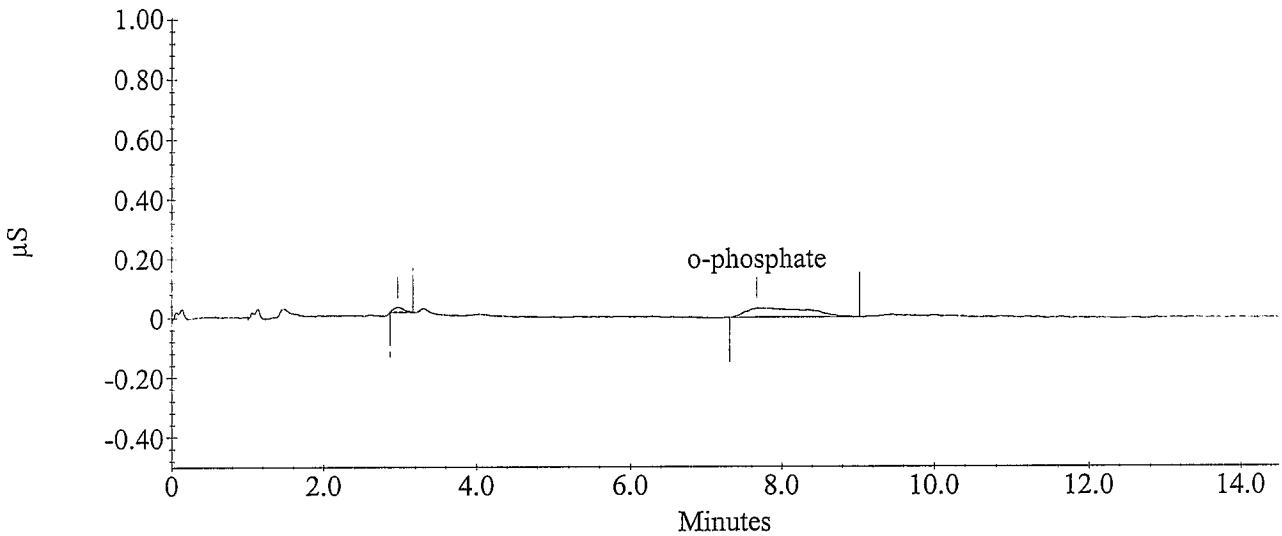
Sample Name : CCB #1
Data File Name : c:\peaknet\data\dx-120 data\070105\CCB #1_017.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 17
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:55:44 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #1



CCB #1



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #1
Data File Name : c:\peaknet\data\dx-120 data\070105\CCB #1_017.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 17
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:55:44 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	1541	172
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.67	0.20	17627	309
sulfate				

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	1541	172

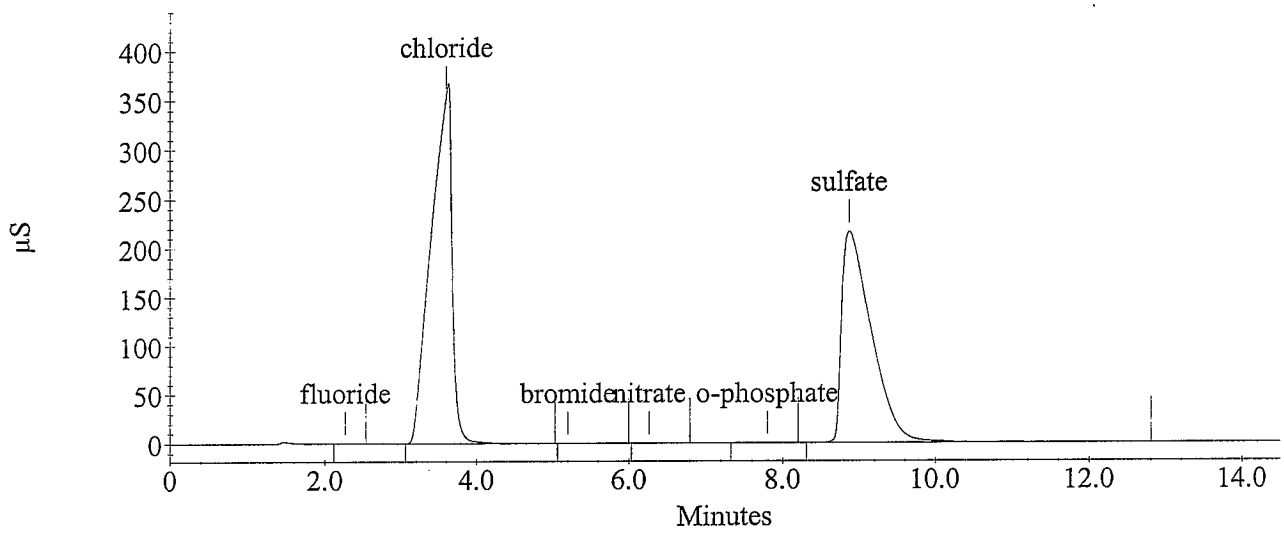
STL North Canton Ion Chromatography Analysis Report

Sample Name : PND WELL
Data File Name : c:\peaknet\data\dx-120 data\070105\PND WELL_018.DXD

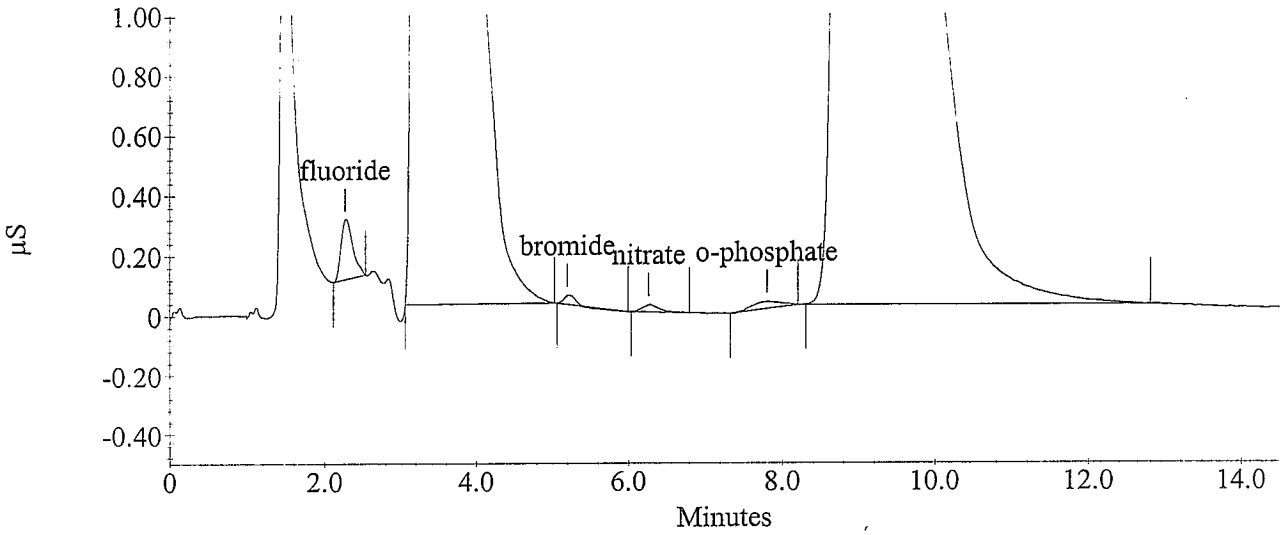
Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 18
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:12:40 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HERE5

PND WELL



PND WELL



STL North Canton Ion Chromatography Analysis Report

Sample Name : PND WELL
Data File Name : c:\peaknet\data\dx-120 data\070105\PND WELL_018.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 18
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:12:40 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.20	21109	1952
chloride	3.60	413.80	70407189	3519614
nitrite				
bromide	5.20	0.07	2281	286
nitrate	6.27	0.02	3523	237
o-phosphate	7.80	0.07	5930	228
sulfate	8.87	266.59	58238735	2158071

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

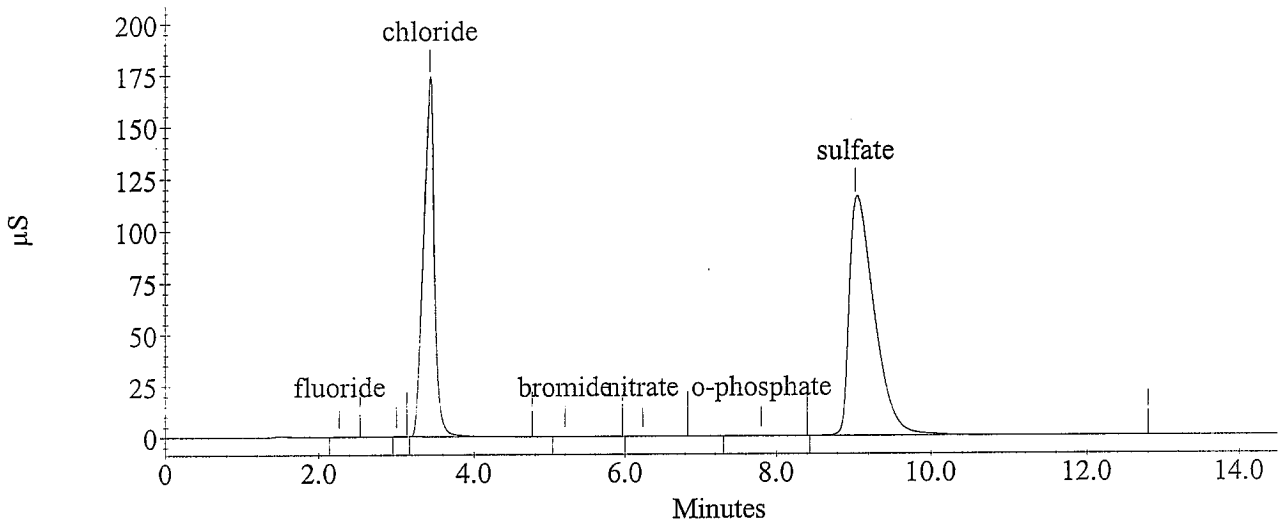
STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-2
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-2_019.DXD

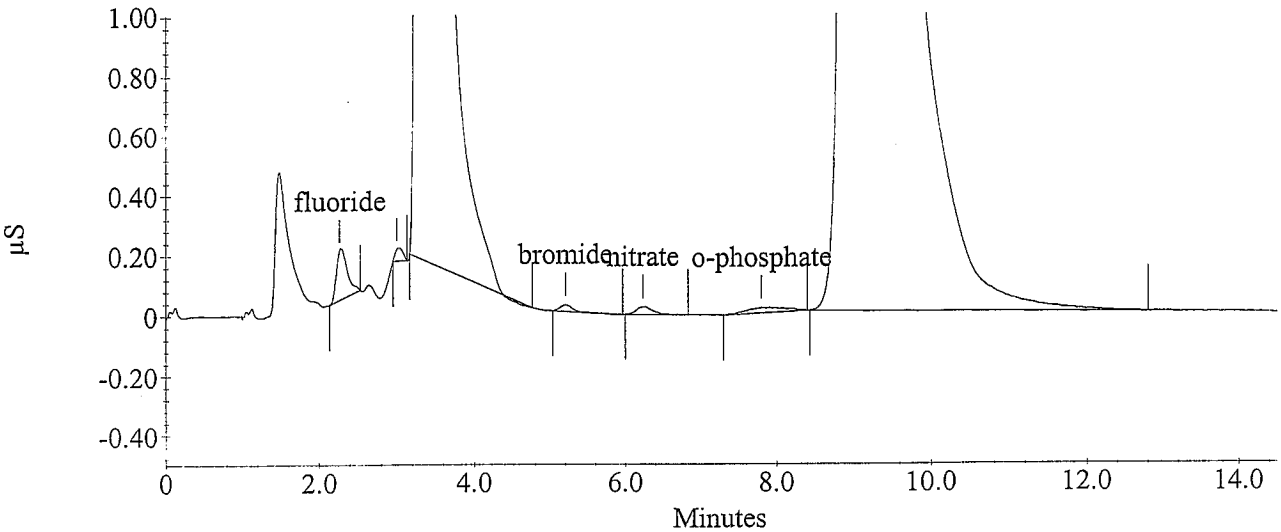
Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 19
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:29:33 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HERIJ

MW-2



MW-2



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-2
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-2_019.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 19
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:29:33 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.15	16196	1609
chloride	3.43	150.37	17027171	1719770
nitrite				
bromide	5.20	0.07	2336	225
nitrate	6.23	0.02	3942	248
o-phosphate	7.80	0.07	6081	178
sulfate	9.03	281.82	26242876	1136585

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	2842	372

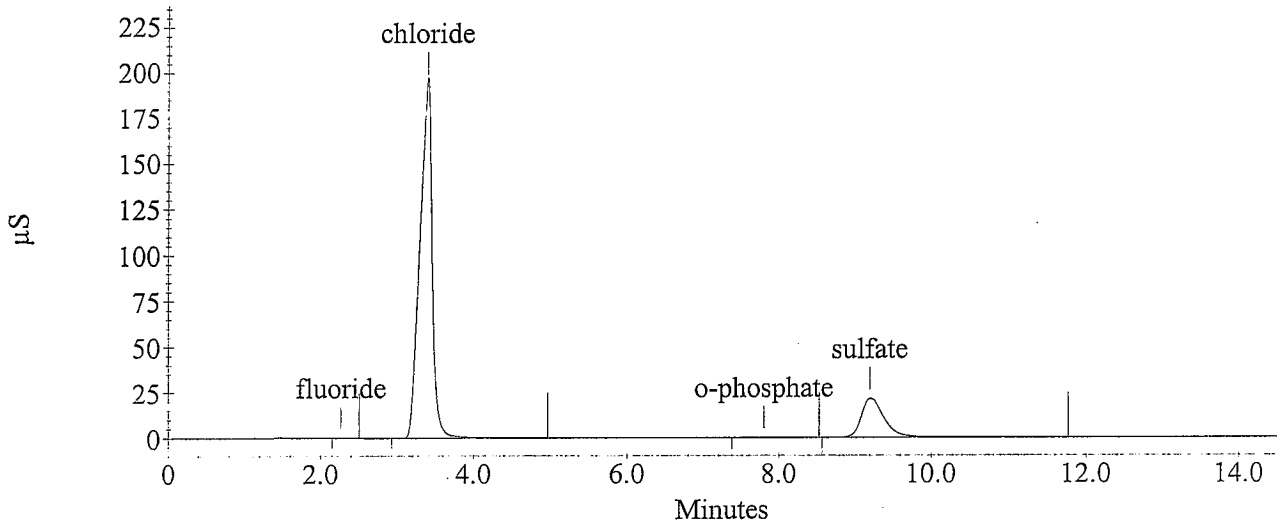
STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-1
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-1_020.DXD

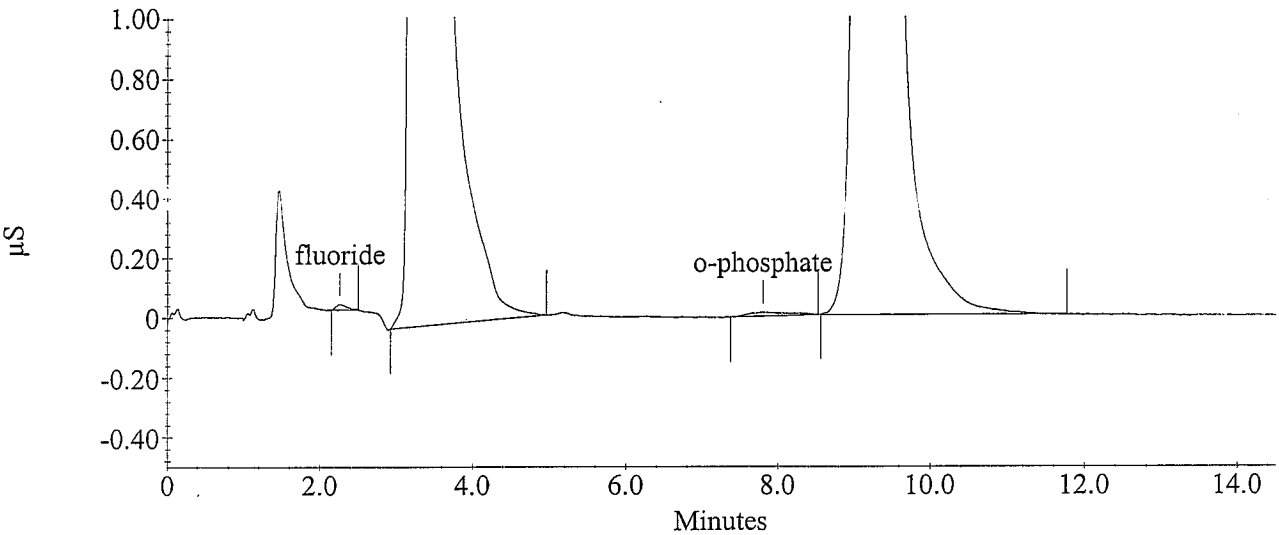
Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 20
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:46:36 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HERIC

MW-1



MW-1



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-1
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-1_020.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 20
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:46:36 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.08	1759	180
chloride	3.40	929.35	21679432	1932070
nitrite				
bromide				
nitrate				
o-phosphate	7.80	0.27	4648	127
sulfate	9.20	324.77	4342901	211713

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

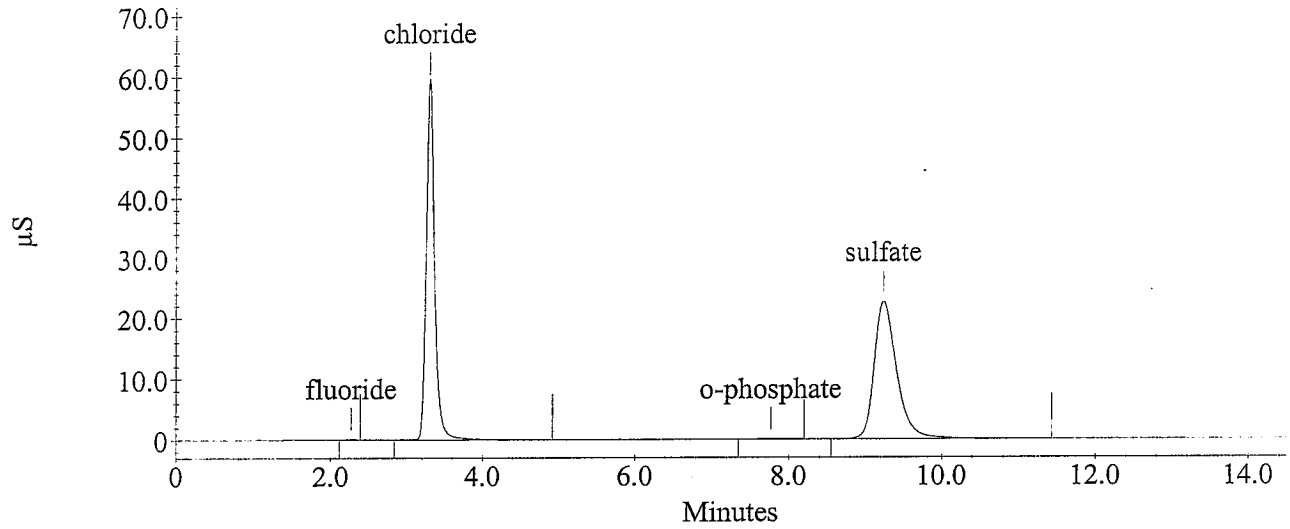
STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-3
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-3_021.DXD

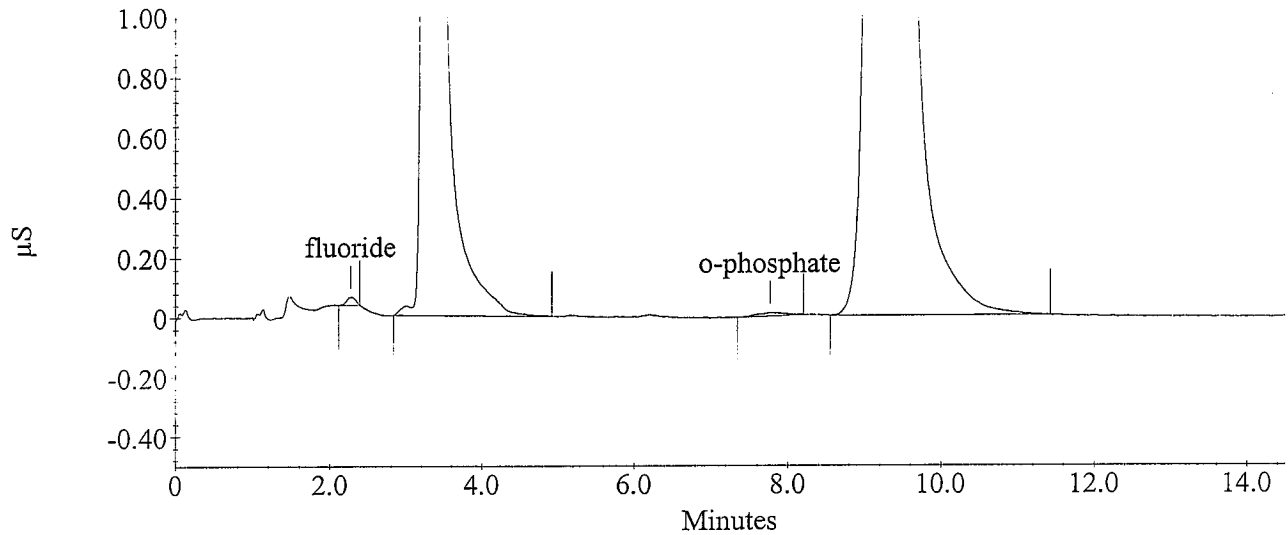
Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 21
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:03:33 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HERIK

MW-3



MW-3



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-3
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-3_021.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 21
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:03:33 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.10	2149	267
chloride	3.30	217.94	4578581	588177
nitrite				
bromide				
nitrate				
o-phosphate	7.77	0.16	2754	108
sulfate	9.23	342.13	4589658	226202

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

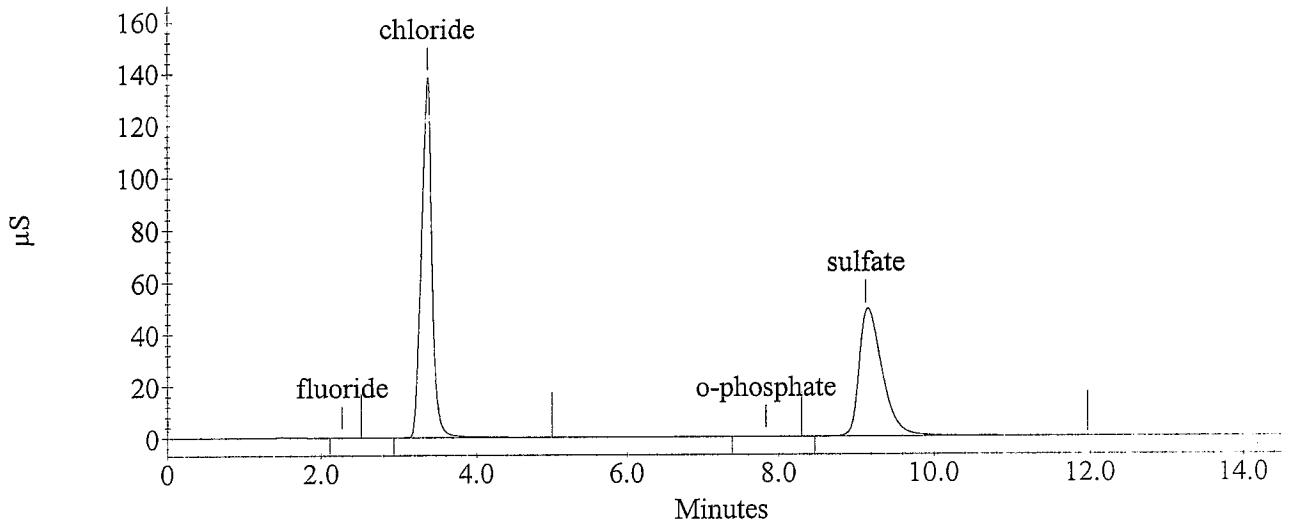
STL North Canton Ion Chromatography Analysis Report

Sample Name : PND WELL
Data File Name : c:\peaknet\data\dx-120 data\070105\PND WELL_022.DXD

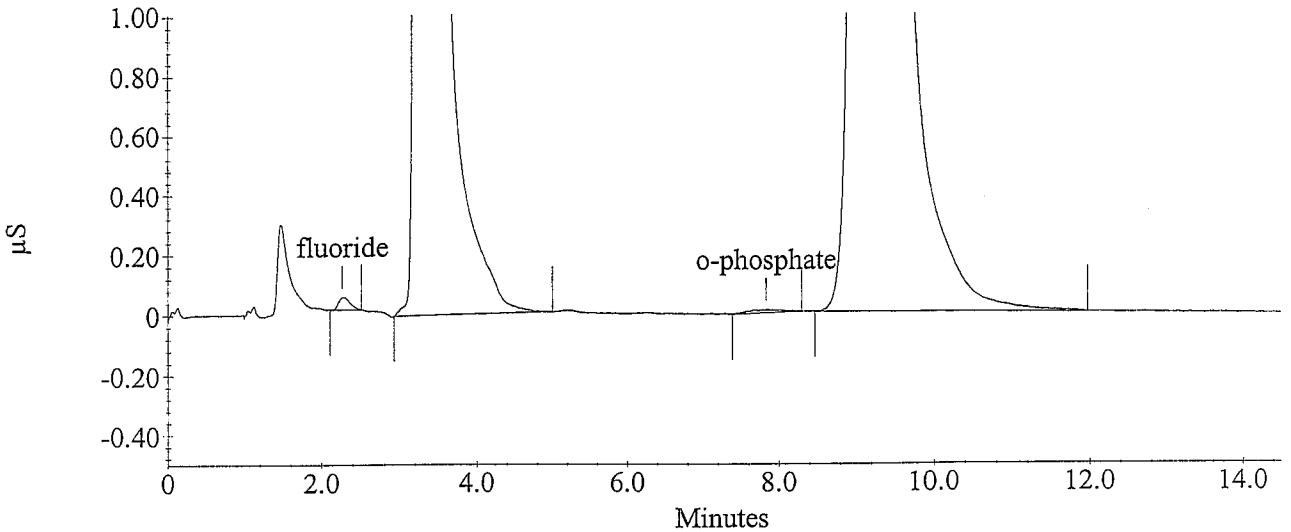
Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 22
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:20:26 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HERE5

PND WELL



PND WELL



STL North Canton Ion Chromatography Analysis Report

Sample Name : PND WELL
Data File Name : c:\peaknet\data\dx-120 data\070105\PND WELL_022.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 22
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:20:26 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.19	4124	402
chloride	3.37	580.49	12808038	1372068
nitrite				
bromide				
nitrate				
o-phosphate	7.83	0.17	2966	93
sulfate	9.13	696.24	10048577	476656

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

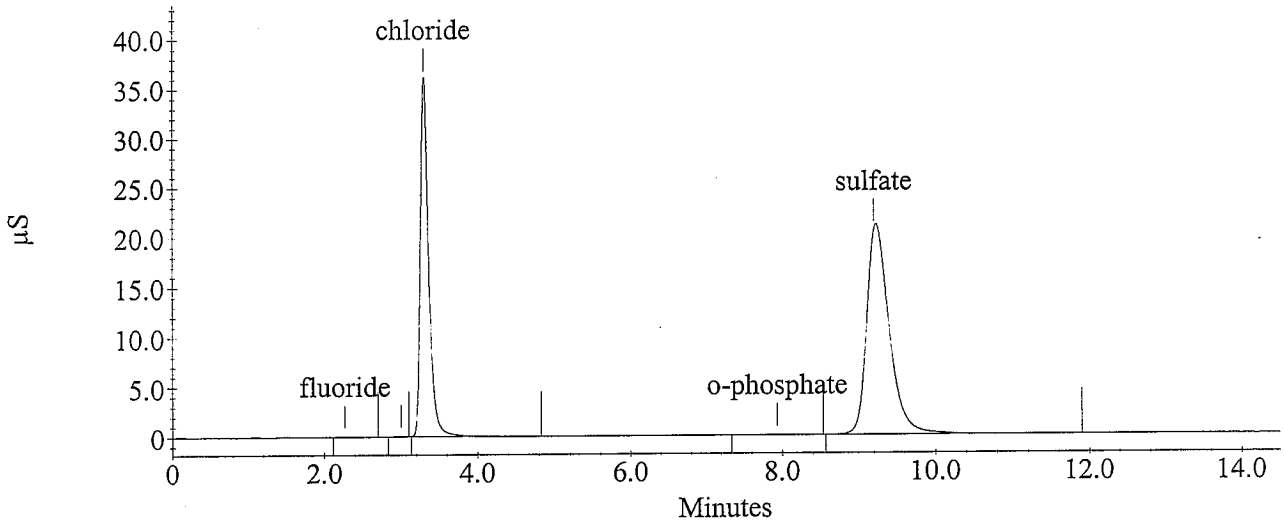
STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-2
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-2_023.DXD

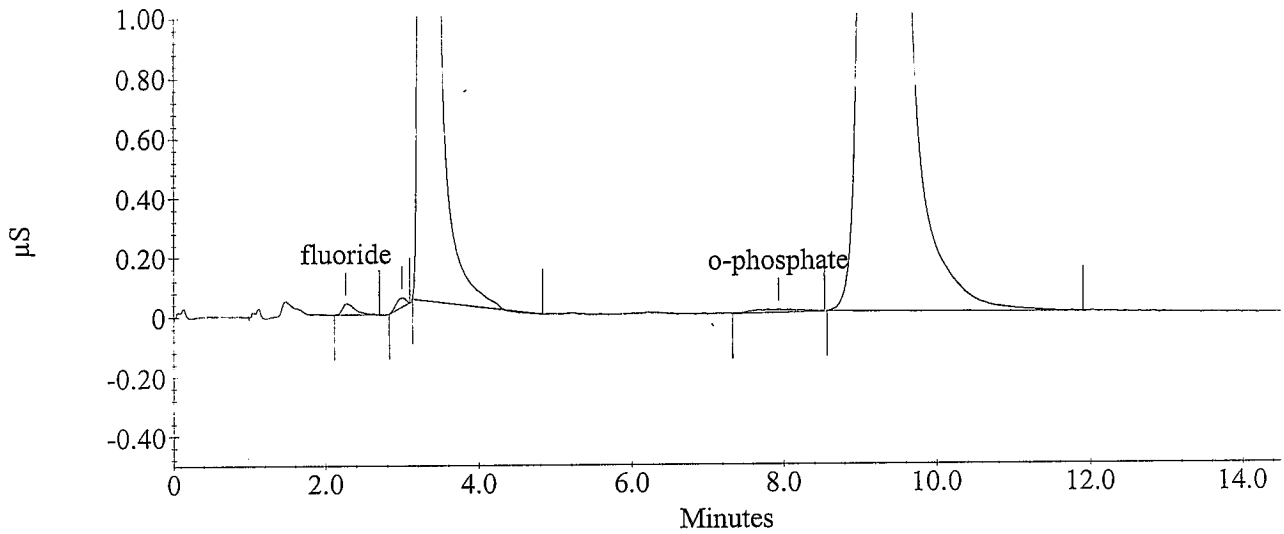
Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 23
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:37:23 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HERIJ

MW-2



MW-2



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-2
Data File Name : c:\peaknet\data\dx-120 data\070105\MW-2_023.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 23
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:37:23 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.21	4442	368
chloride	3.30	129.32	2687285	357292
nitrite				
bromide				
nitrate				
o-phosphate	7.93	0.25	4311	97
sulfate	9.20	321.66	4298934	203836

Peak Information : Unknown Peaks

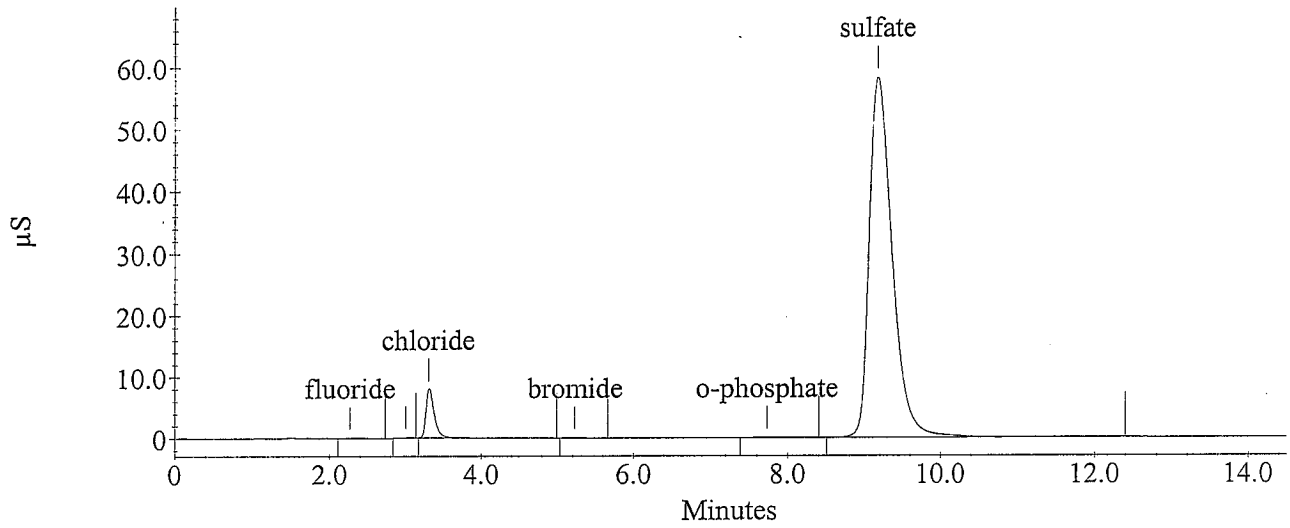
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	2707	307

STL North Canton Ion Chromatography Analysis Report

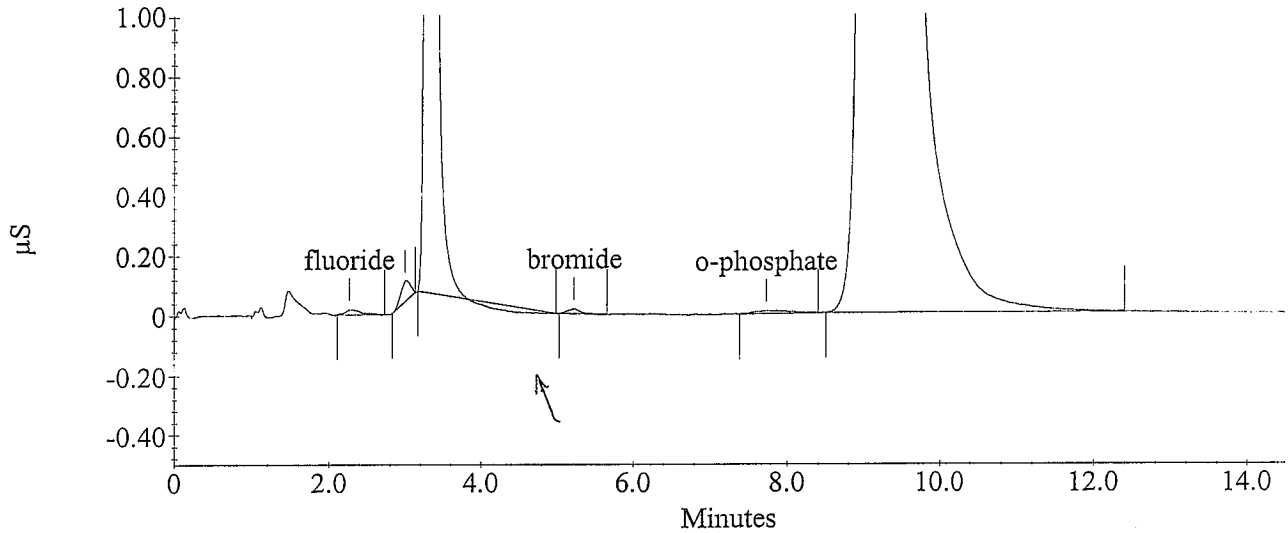
Sample Name : HEQ4D
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4D_024.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 24
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:54:23 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEQ4D



HEQ4D



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4D
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4D_024.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/1/05 8:54:23 PM
Sample Weight : 1.00000
Injection Number : 24
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.11	2401	155
chloride	3.30	29.04	596304	77748
nitrite				
bromide	5.23	0.29	1831	156
nitrate				
o-phosphate	7.73	0.18	3082	94
sulfate	9.17	814.63	12102662	581884

Peak Information : Unknown Peaks

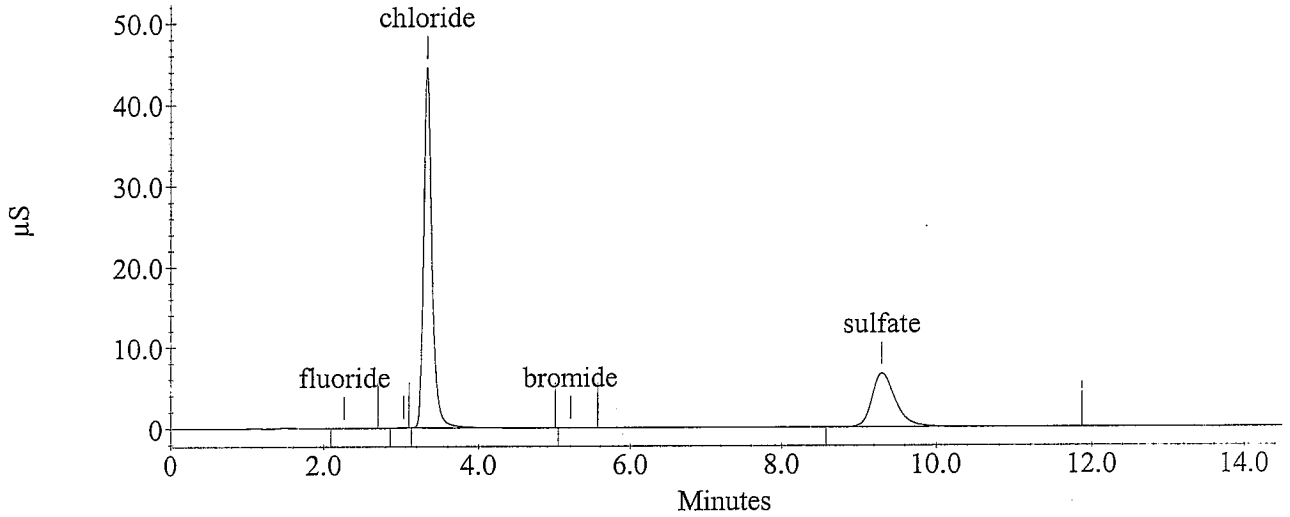
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	5806	669

STL North Canton Ion Chromatography Analysis Report

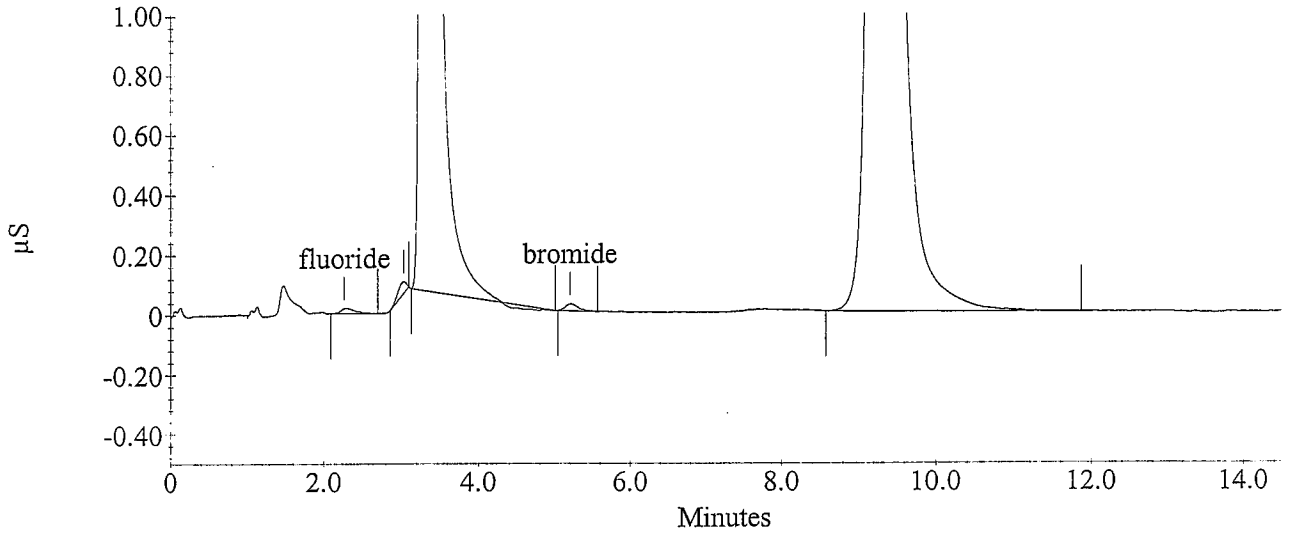
Sample Name : HEQ4K
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4K_025.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 25
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:11:22 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEQ4K



HEQ4K



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4K
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4K_025.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 25
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:11:22 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.11	2397	164
chloride	3.33	157.34	3280805	443645
nitrite				
bromide	5.20	0.42	2687	228
nitrate				
o-phosphate				
sulfate	9.30	108.51	1398042	66221

Peak Information : Unknown Peaks

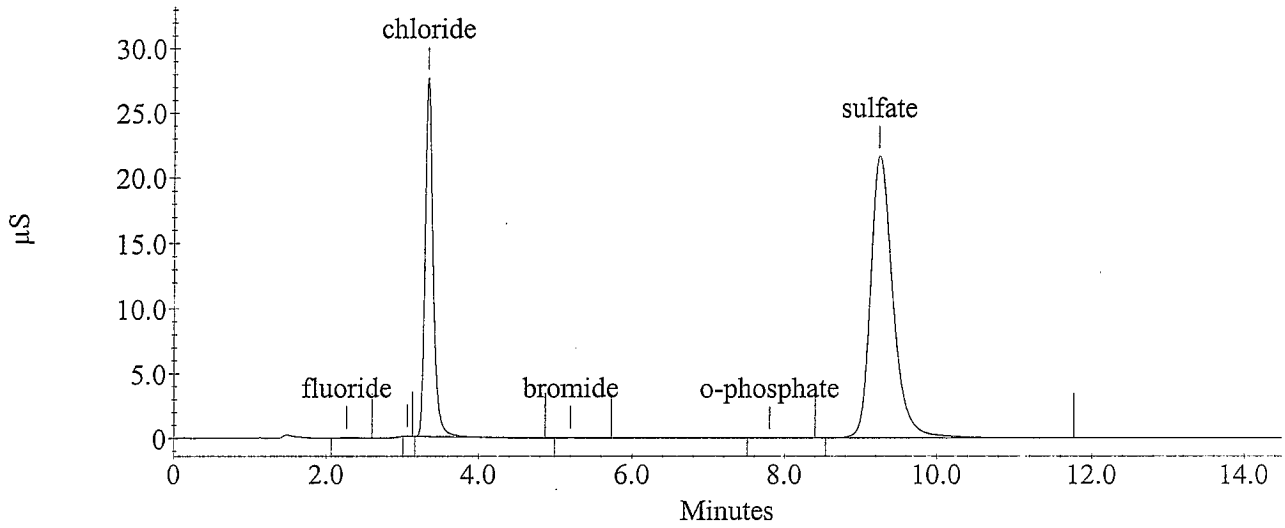
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	3059	390

STL North Canton Ion Chromatography Analysis Report

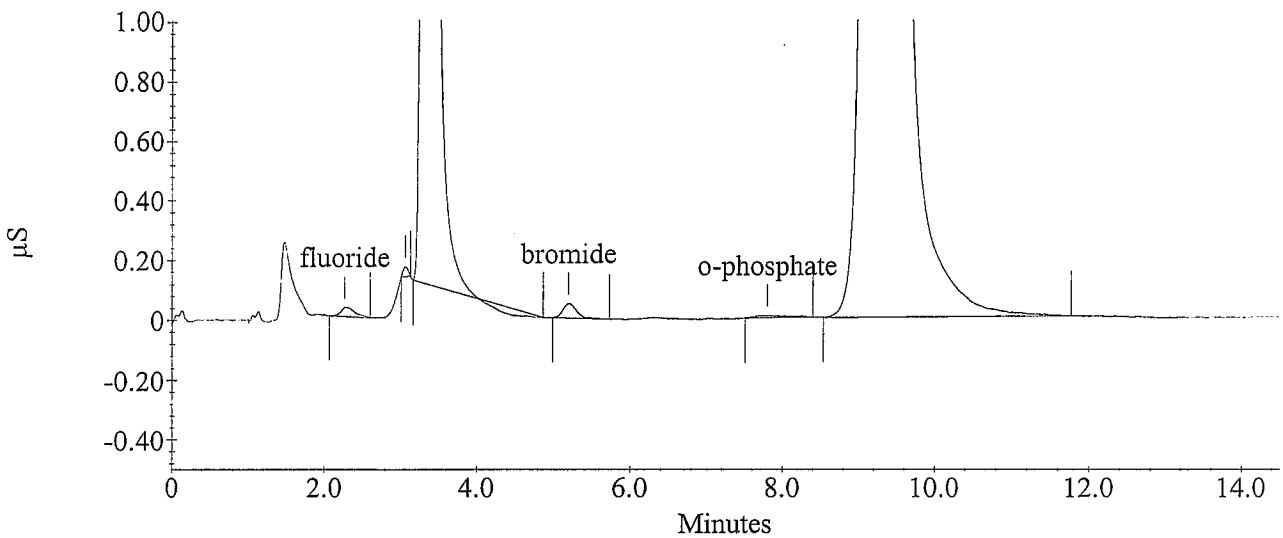
Sample Name : HEQ4Q ORG
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4Q ORG_026.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 26
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:28:20 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEQ4Q ORG



HEQ4Q ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4Q ORG
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4Q ORG_026.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 26
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:28:20 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.18	3916	295
chloride	3.33	94.91	1964176	274927
nitrite				
bromide	5.20	0.91	5850	477
nitrate				
o-phosphate	7.80	0.12	2095	69
sulfate	9.23	329.13	4404690	215031

Peak Information : Unknown Peaks

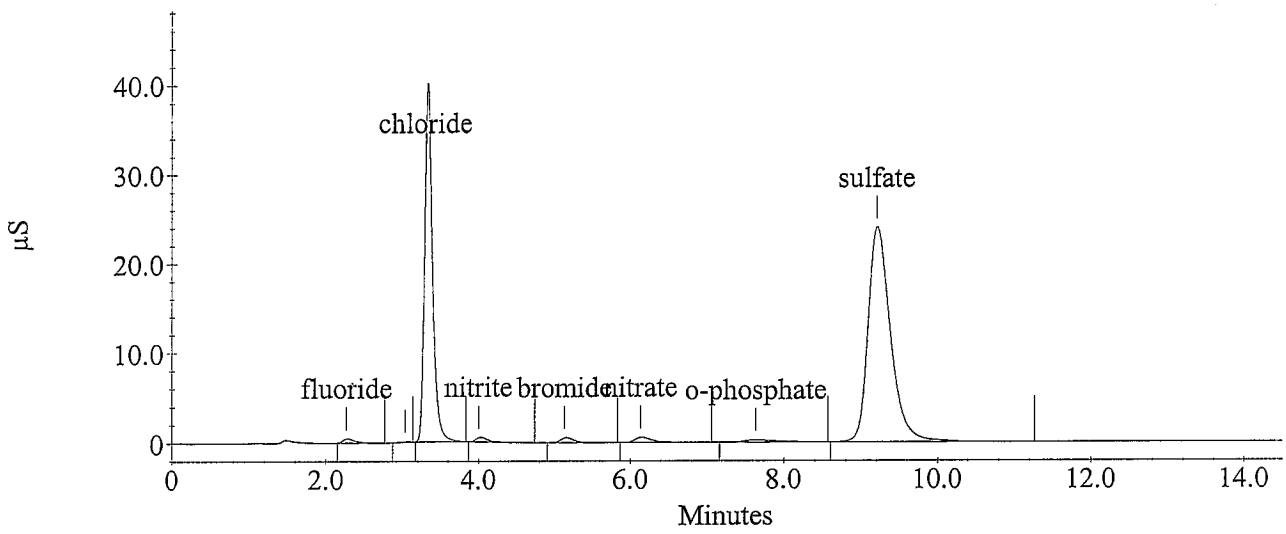
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.07	0.00	1440	318

STL North Canton Ion Chromatography Analysis Report

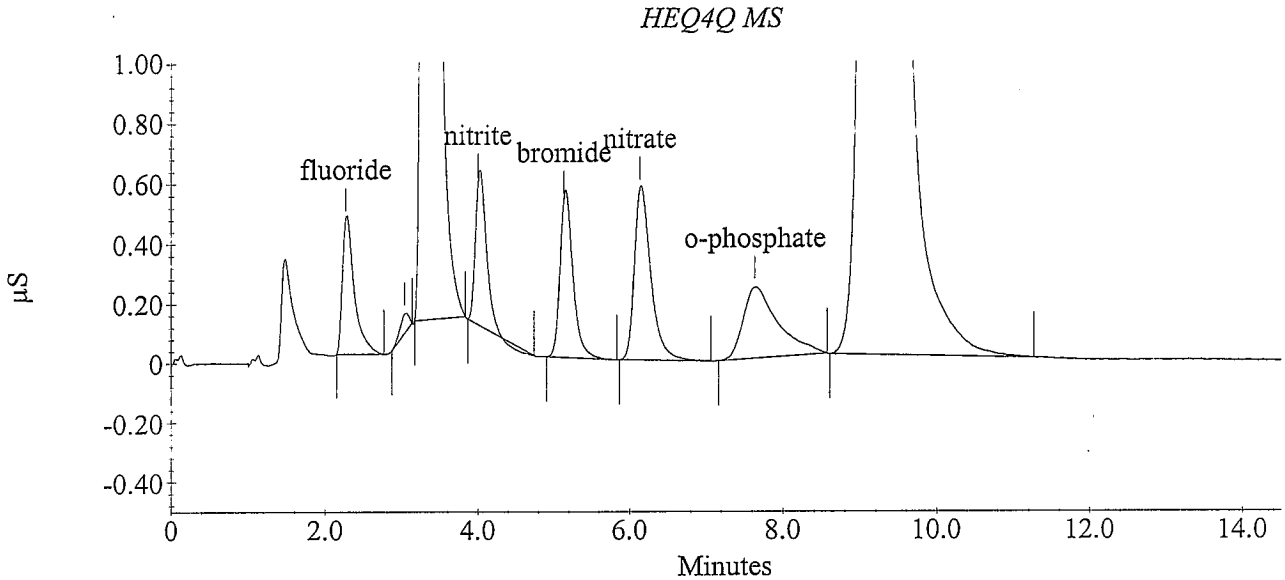
Sample Name : HEQ4Q MS
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4Q MS_027.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 27
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:45:19 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEQ4Q MS



HEQ4Q MS



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4Q MS
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4Q MS_027.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 27
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:45:19 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	2.32	49786	4484
chloride	3.30	137.95	2869563	299850
nitrite	4.00	1.90	50403	4615
bromide	5.13	10.32	66424	5152
nitrate	6.13	2.38	86419	5700
o-phosphate	7.63	4.25	73631	2360
sulfate	9.20	359.50	4838276	239031

Peak Information : Unknown Peaks

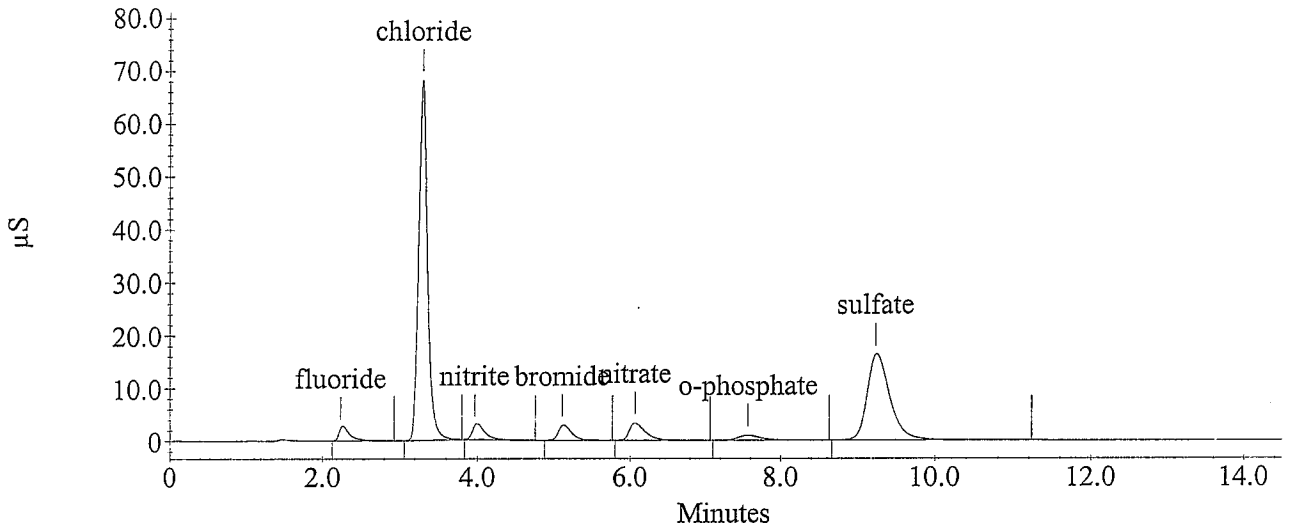
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	5120	651

STL North Canton Ion Chromatography Analysis Report

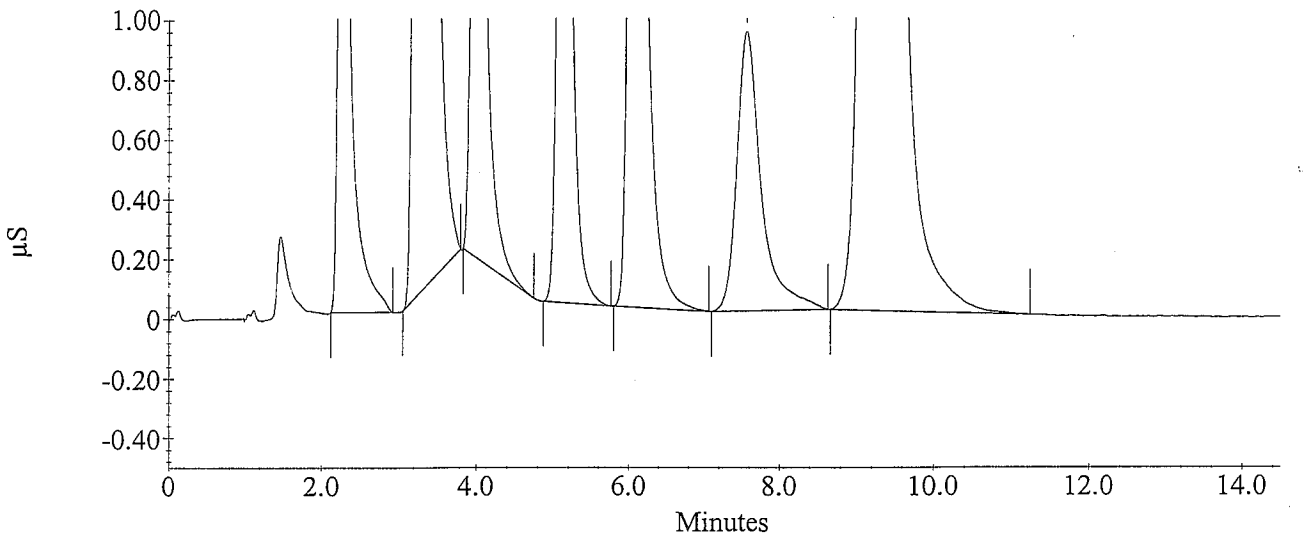
Sample Name : CCV #2
Data File Name : c:\peaknet\data\dx-120 data\070105\CCV #2_028.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 28
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:02:16 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #2



CCV #2



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #2
Data File Name : c:\peaknet\data\dx-120 data\070105\CCV #2_028.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/1/05 10:02:16 PM
Sample Weight : 1.00000
Injection Number : 28
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.50	274015	23209
chloride	3.30	50.35	5311685	676412
nitrite	3.97	2.45	333206	26493
bromide	5.10	10.27	338505	27345
nitrate	6.07	2.59	482412	32320
o-phosphate	7.57	2.45	209178	9312
sulfate	9.23	50.35	3322990	161077

Peak Information : Unknown Peaks

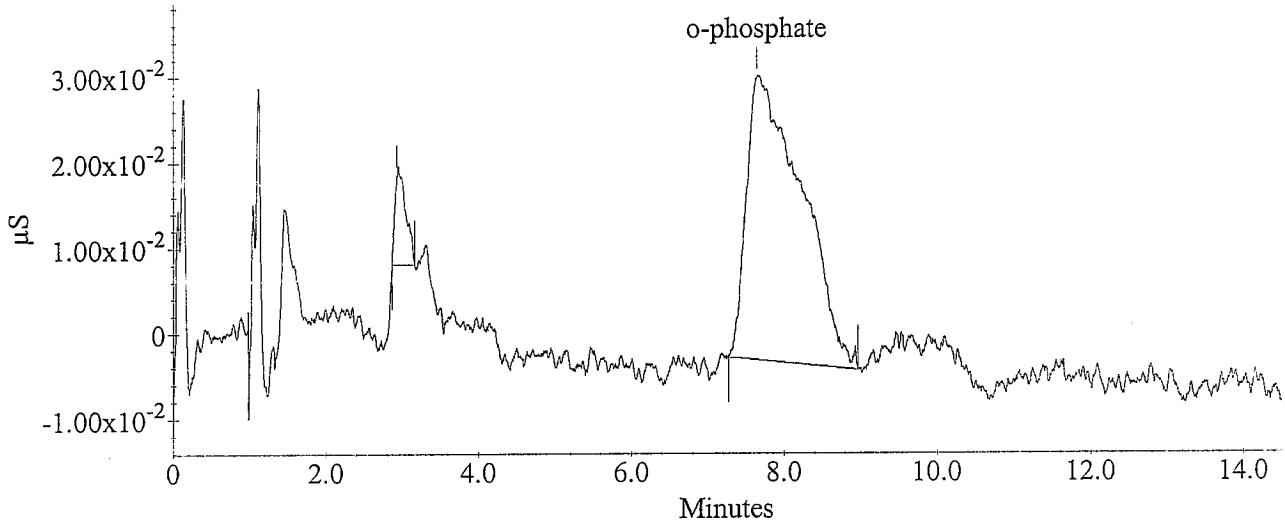
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

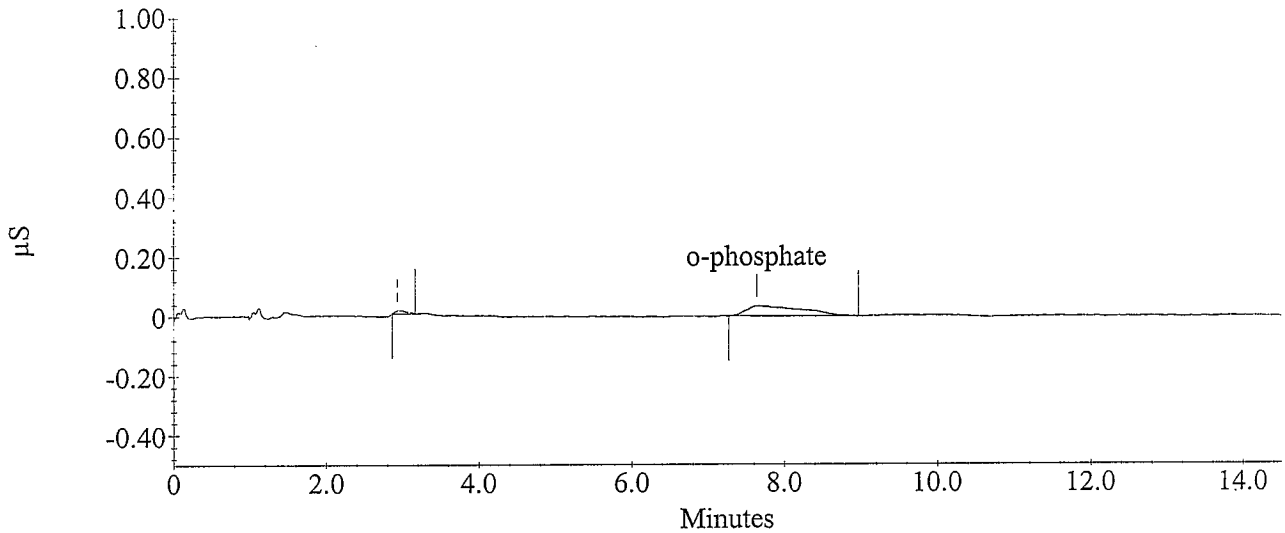
Sample Name : CCB #2
Data File Name : c:\peaknet\data\dx-120 data\070105\CCB #2_029.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 29
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:19:15 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #2



CCB #2



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #2
Data File Name : c:\peaknet\data\dx-120 data\070105\CCB #2_029.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 29
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:19:15 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1128	103
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.63	0.19	16833	329
sulfate				

Peak Information : Unknown Peaks

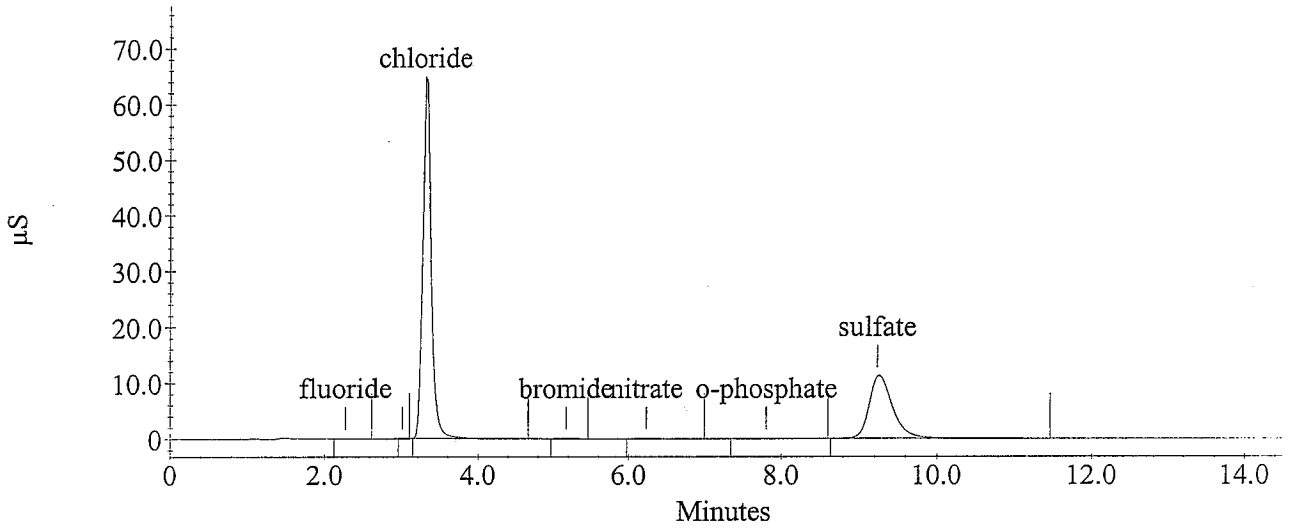
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1128	103

STL North Canton Ion Chromatography Analysis Report

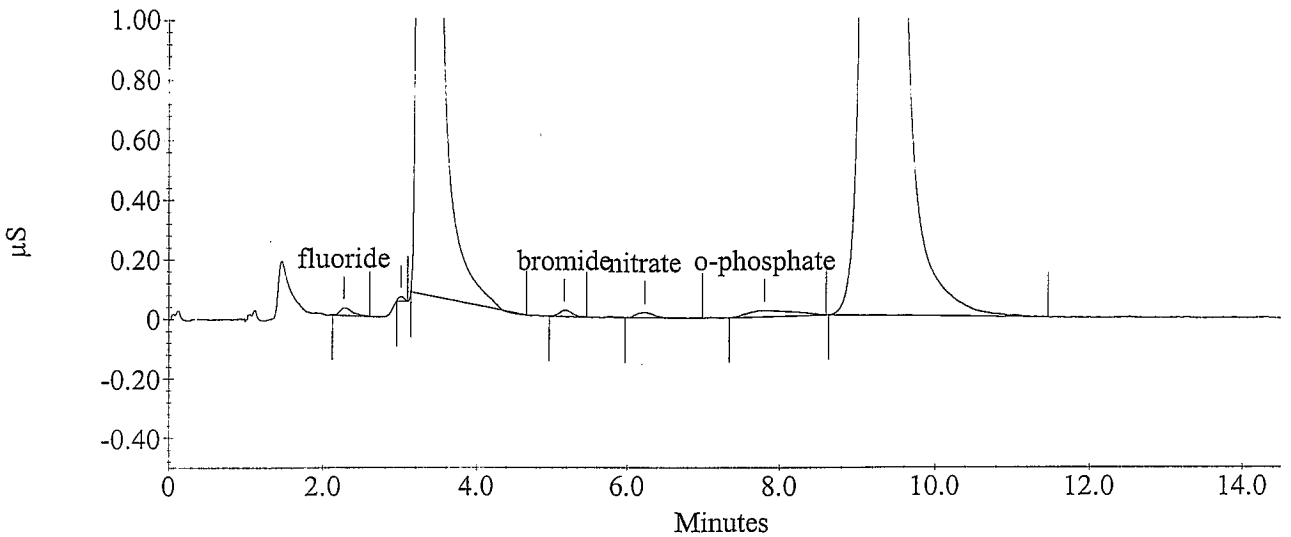
Sample Name : HEQ4T
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4T_030.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 30
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:36:07 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEQ4T



HEQ4T



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4T
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4T_030.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 30
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:36:07 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.13	2791	250
chloride	3.30	233.15	4907492	591952
nitrite				
bromide	5.17	0.38	2419	208
nitrate	6.23	0.08	2829	174
o-phosphate	7.80	0.51	8825	211
sulfate	9.23	178.17	2322114	110102

Peak Information : Unknown Peaks

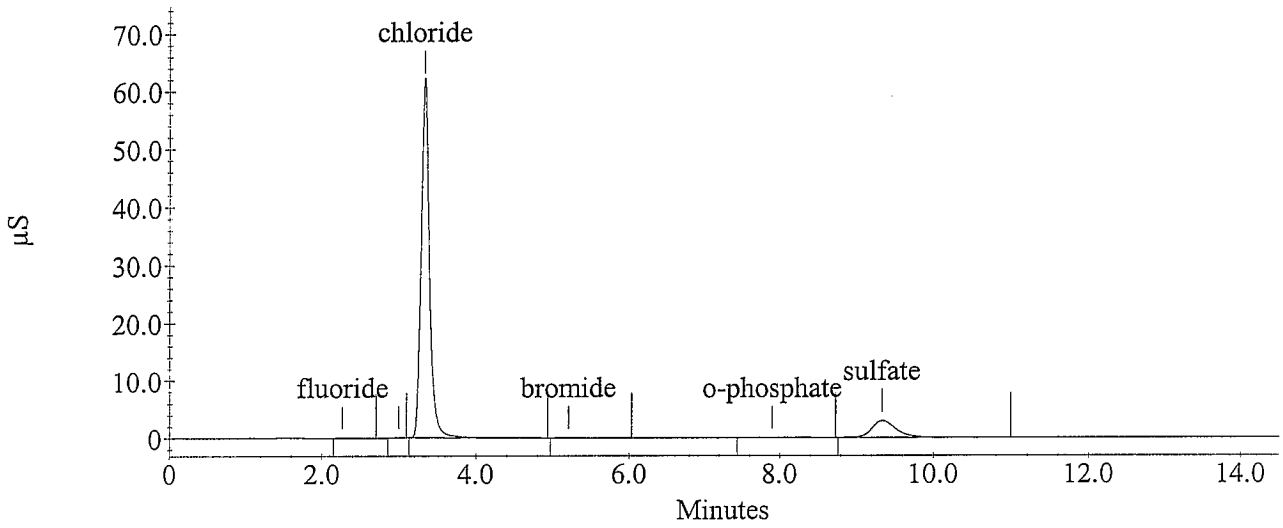
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	783	153

STL North Canton Ion Chromatography Analysis Report

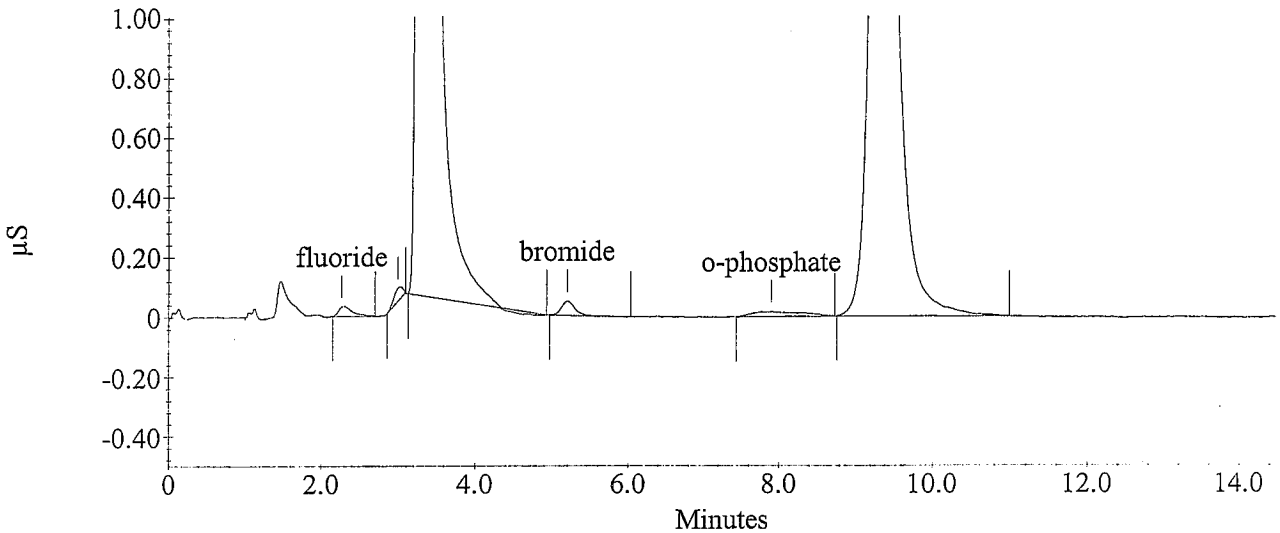
Sample Name : HEQ4X
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4X_031.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 31
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:53:07 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEQ4X



HEQ4X



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ4X
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ4X_031.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 31
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:53:07 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.19	4042	301
chloride	3.33	223.72	4703411	614533
nitrite				
bromide	5.20	0.90	5736	470
nitrate				
o-phosphate	7.90	0.42	7263	155
sulfate	9.33	49.37	630052	29288

Peak Information : Unknown Peaks

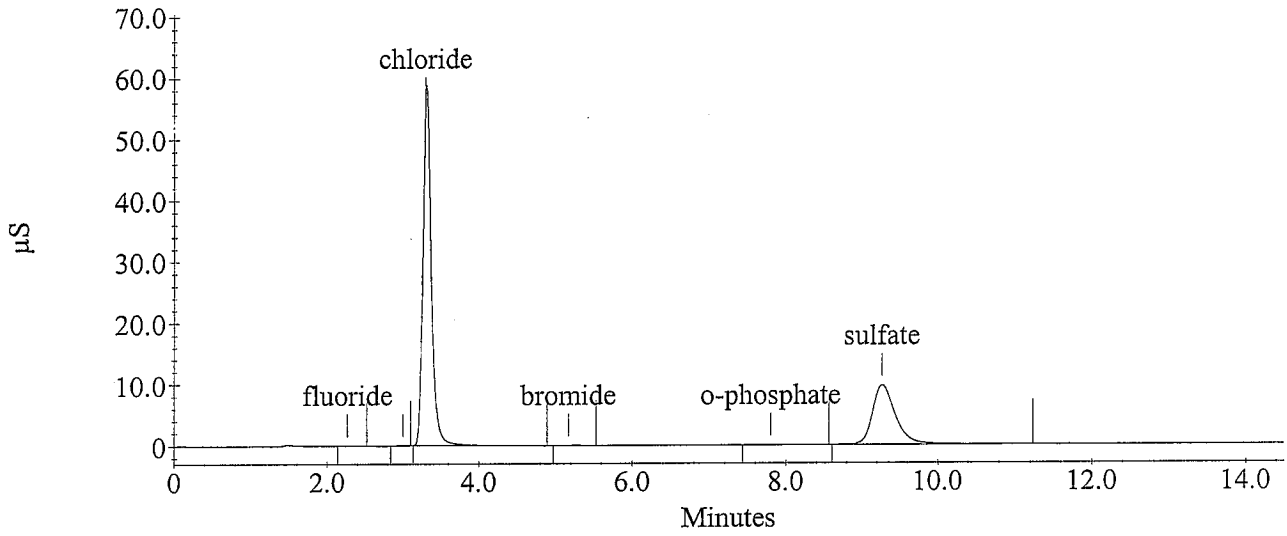
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	3372	433

STL North Canton Ion Chromatography Analysis Report

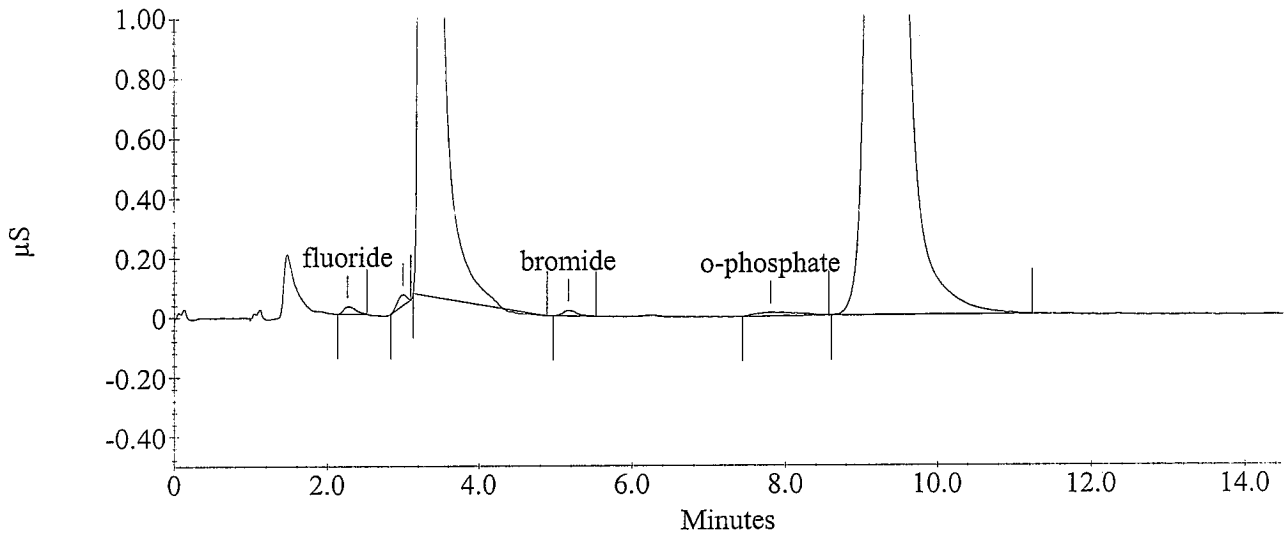
Sample Name : HEQ41
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ41_032.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 32
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 11:10:07 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEQ41



HEQ41



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEQ41
Data File Name : c:\peaknet\data\dx-120 data\070105\HEQ41_032.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 32
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 11:10:07 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.13	2803	248
chloride	3.30	210.30	4413839	547185
nitrite				
bromide	5.17	0.36	2304	184
nitrate				
o-phosphate	7.80	0.28	4818	129
sulfate	9.27	154.21	2001773	96138

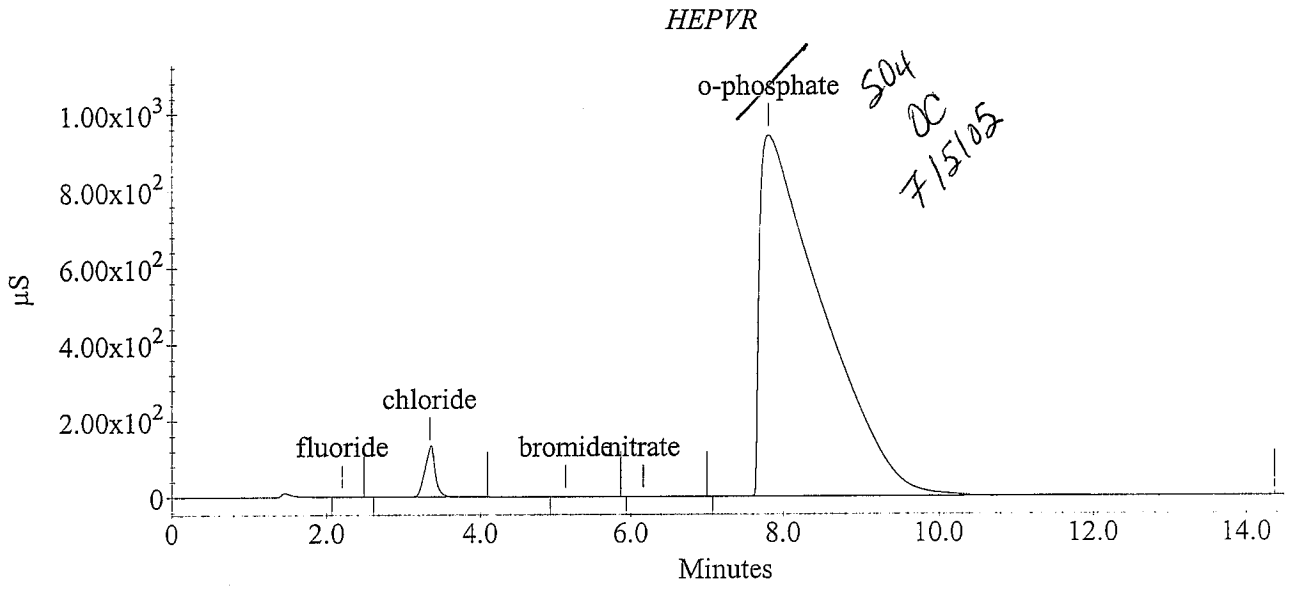
Peak Information : Unknown Peaks

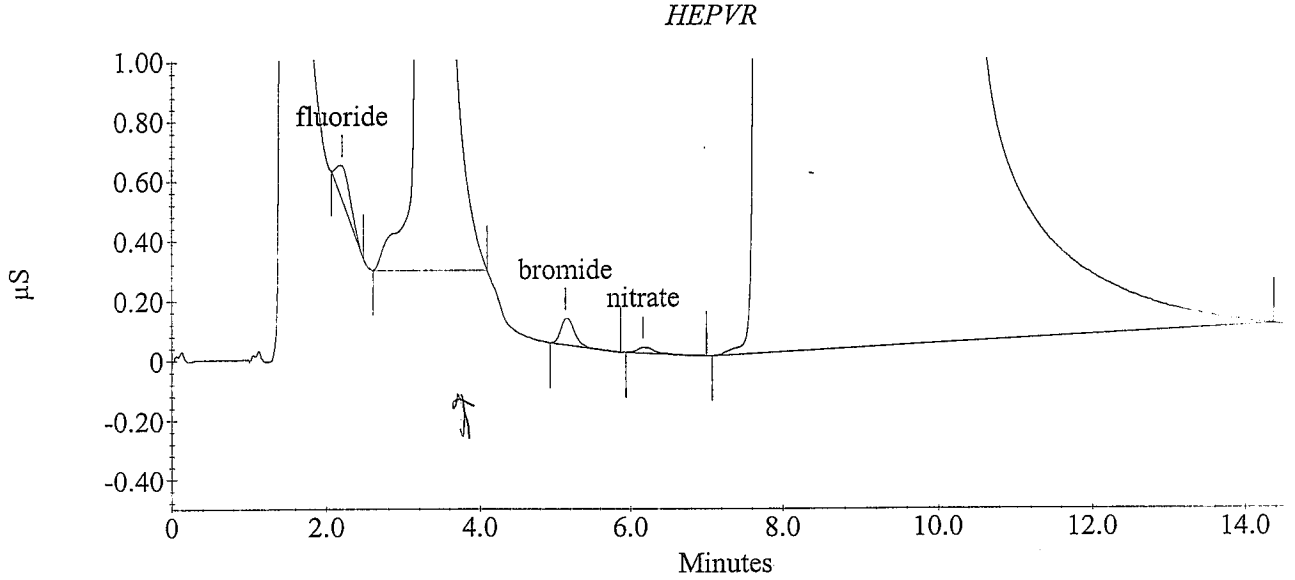
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	3054	361

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVR
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVR_033.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 33
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 11:27:02 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVR
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVR_033.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 33
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 11:27:02 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.20	0.13	14377	1130
chloride	3.33	113.30	12474239	1256797
nitrite				
bromide	5.13	0.35	11204	850
nitrate	6.17	0.02	2733	188
o-phosphate	7.80	313672.89	530116537	9413672
sulfate				

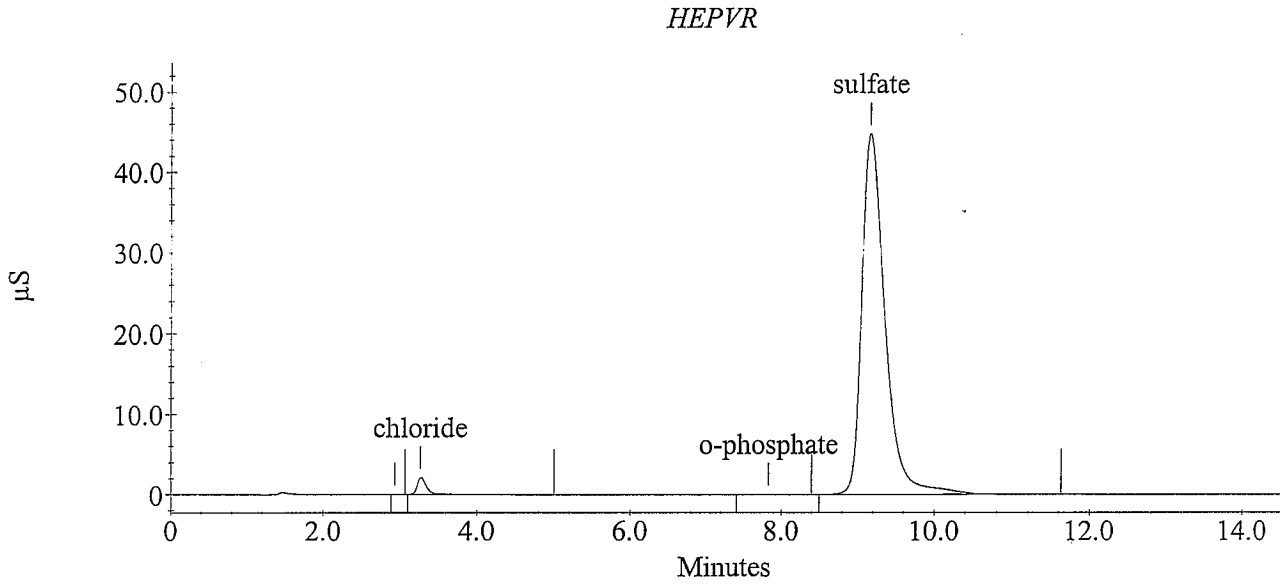
Peak Information : Unknown Peaks

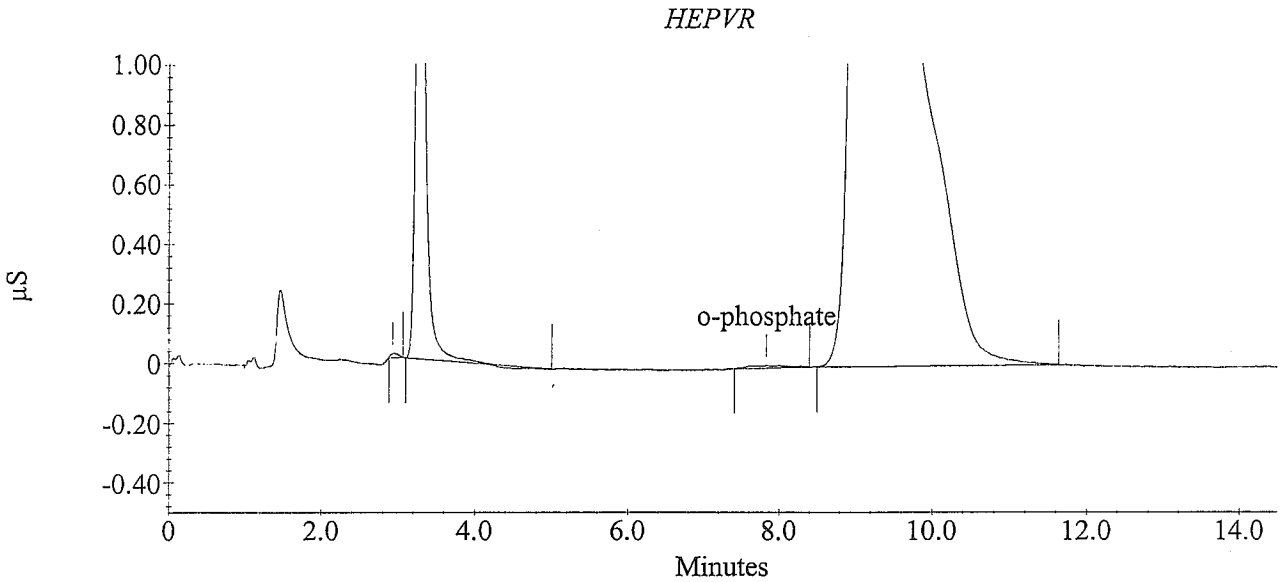
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVR
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVR_034.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 34
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 11:44:01 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 50.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVR
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVR_034.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 34
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 11:44:01 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 50.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	924	126
chloride	3.27	83.95	171964	20602
nitrite				
bromide				
nitrate				
o-phosphate	7.83	1.66	2901	78
sulfate	9.17	6544.64	9355541	446007

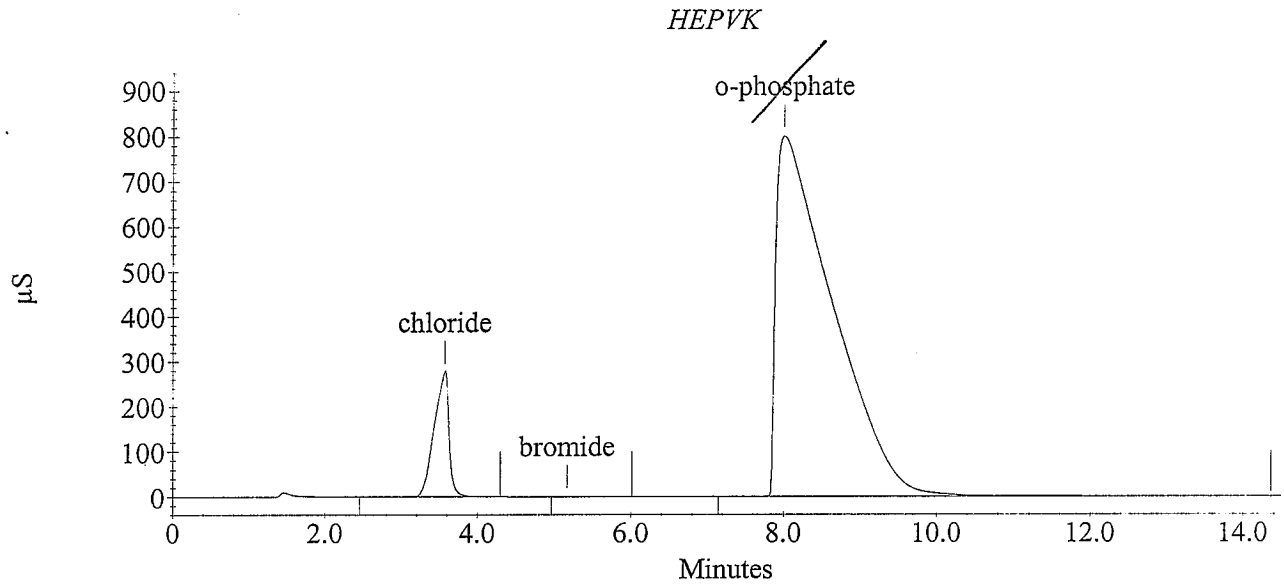
Peak Information : Unknown Peaks

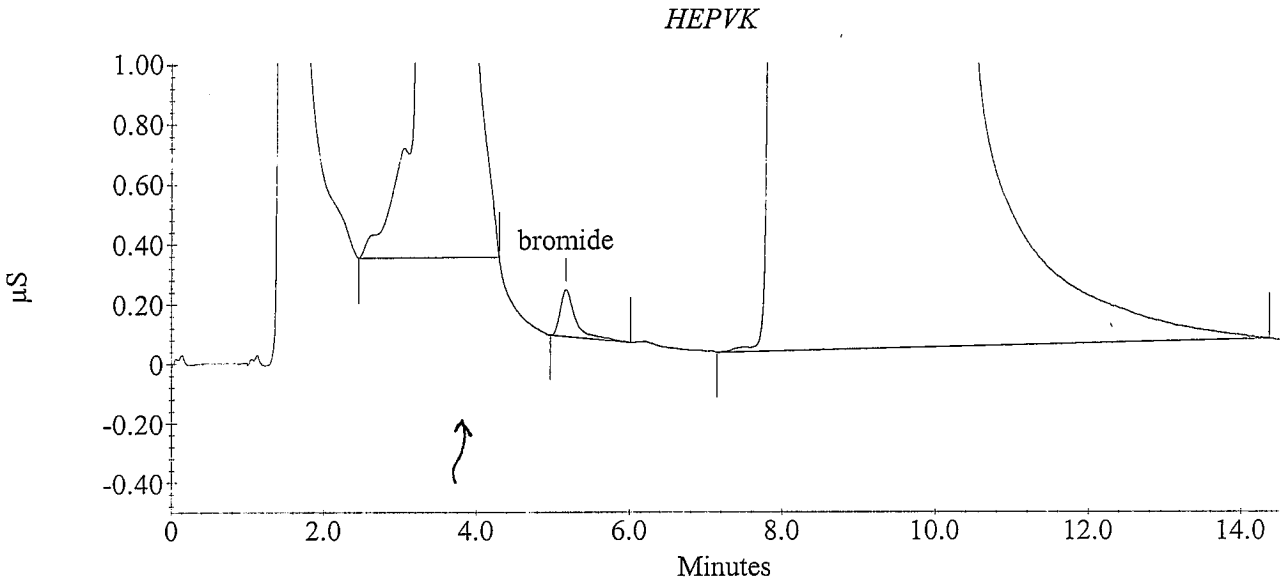
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	924	126

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVK
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVK_035.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 35
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 12:00:59 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVK
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVK_035.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 35
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 12:00:59 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
chloride	3.57	287.22	37239974	2743013
chloride	3.57	287.22	37239974	2743013
nitrite				
bromide	5.17	0.66	21139	1545
nitrate				
o-phosphate	8.00	187447.22	408625121	7962167
sulfate				

Peak Information : Unknown Peaks

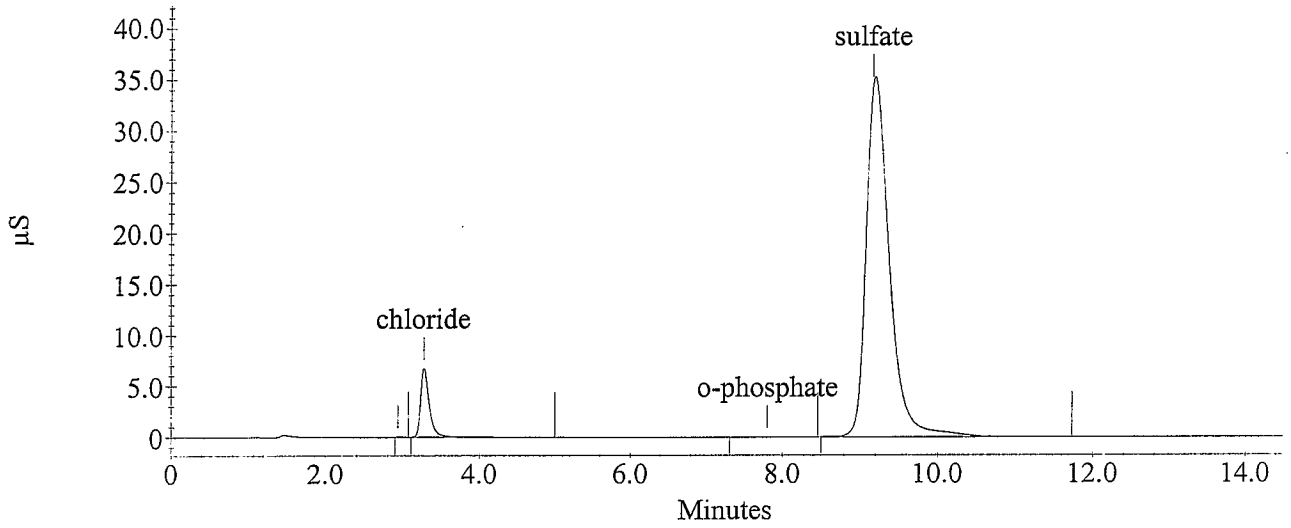
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

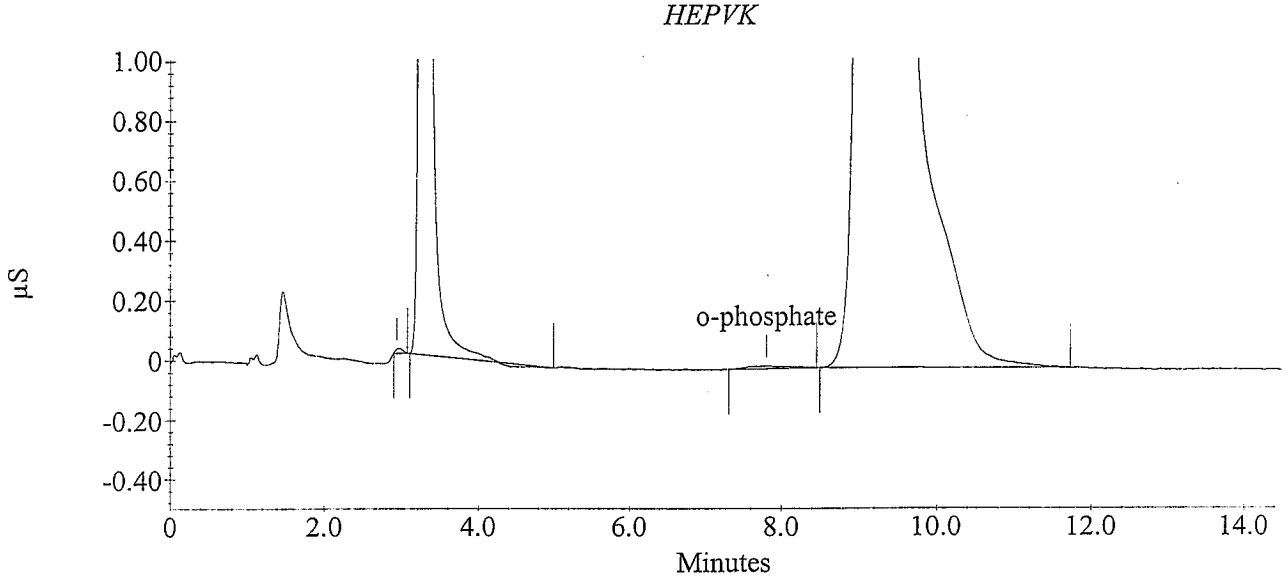
Sample Name : HEPVK
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVK_036.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 36
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 12:17:52 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 50.00

HEPVK



HEPVK



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVK
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVK_036.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 36
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 12:17:52 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 50.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	945	134
chloride	3.27	259.16	531959	66743
nitrite				
bromide				
nitrate				
o-phosphate	7.80	1.87	3254	83
sulfate	9.17	5196.52	7215908	341421

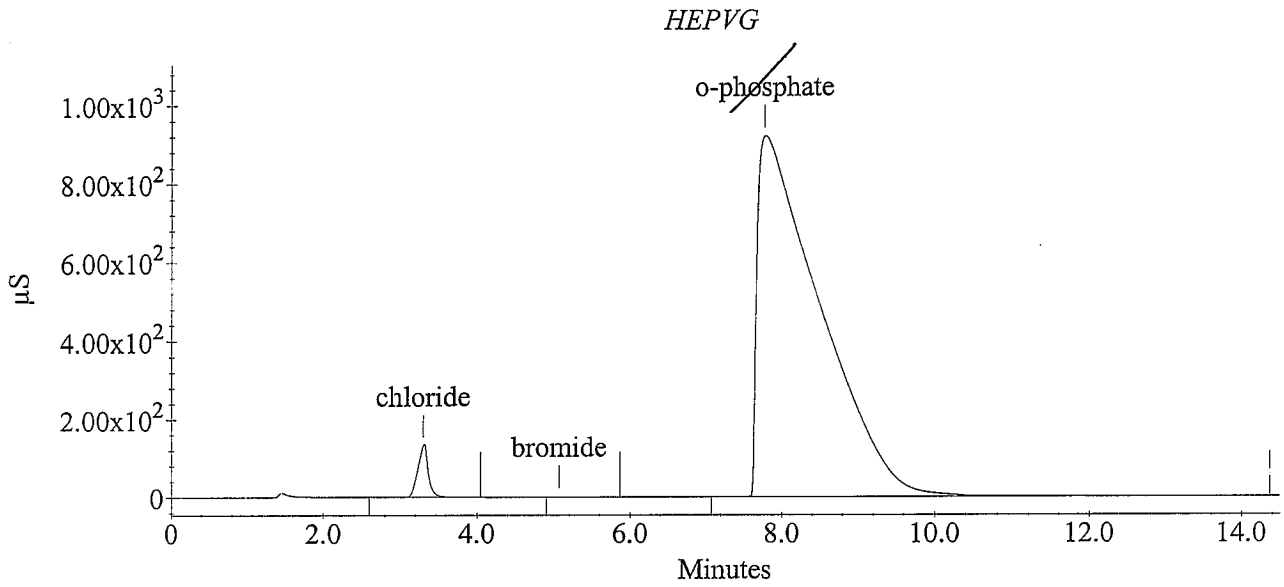
Peak Information : Unknown Peaks

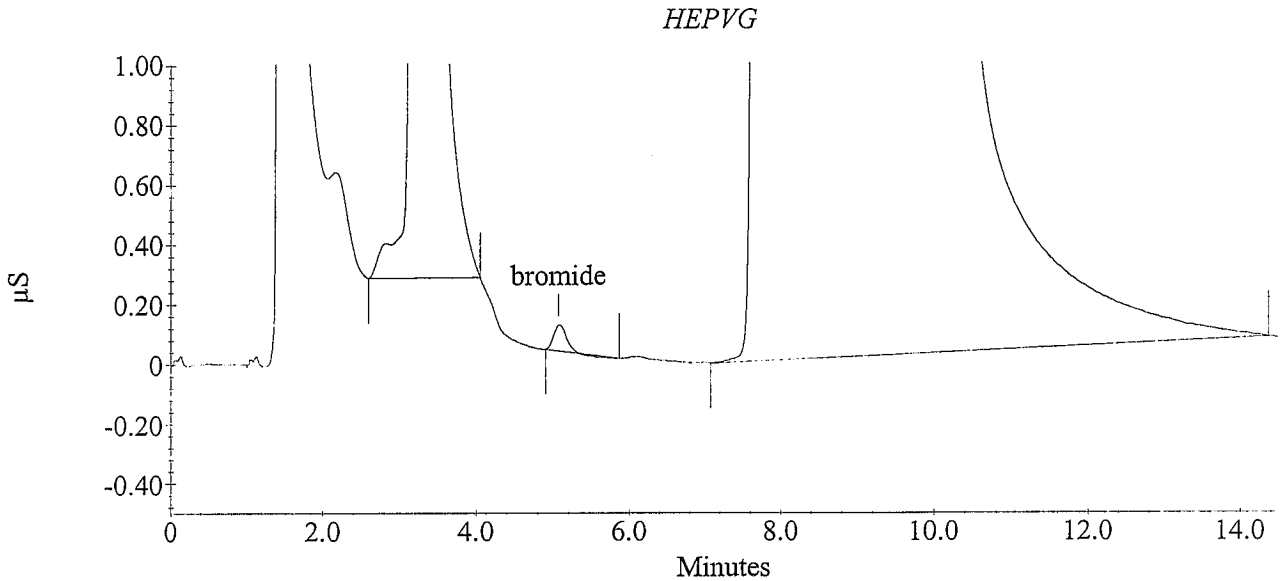
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	945	134

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVG
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVG_037.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 37
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 12:34:51 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVG
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVG_037.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 37
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 12:34:51 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
chloride	3.30	114.64	12634255	1297453
chloride	3.30	114.64	12634255	1297453
nitrite				
bromide	5.07	0.28	8993	847
nitrate				
o-phosphate	7.77	310456.35	527364850	9184102
sulfate				

Peak Information : Unknown Peaks

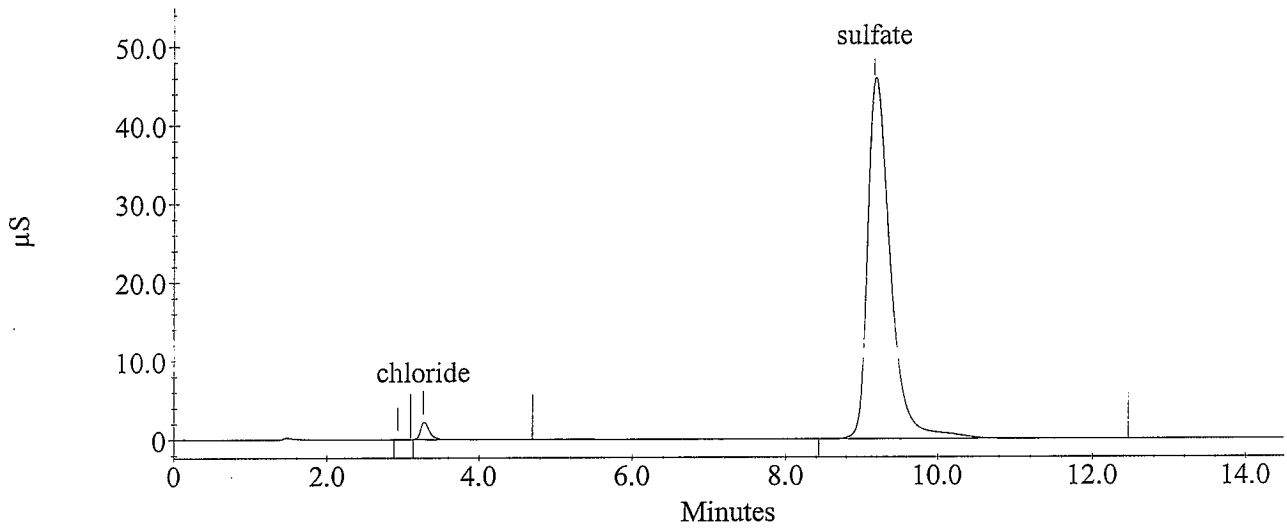
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

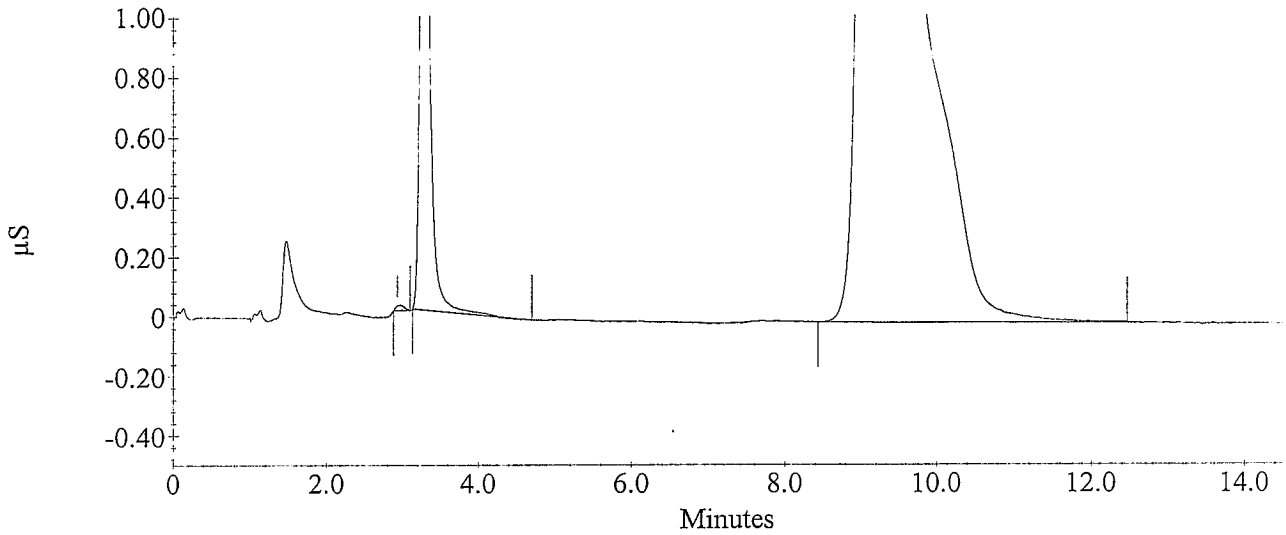
Sample Name : HEPVG
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVG_038.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 38
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 12:51:48 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 50.00

HEPVG



HEPVG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVG
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVG_038.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 38
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 12:51:48 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 50.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1290	153
chloride	3.27	88.25	180784	21123
nitrite				
bromide				
nitrate				
o-phosphate				
sulfate	9.17	6682.20	9582058	450040

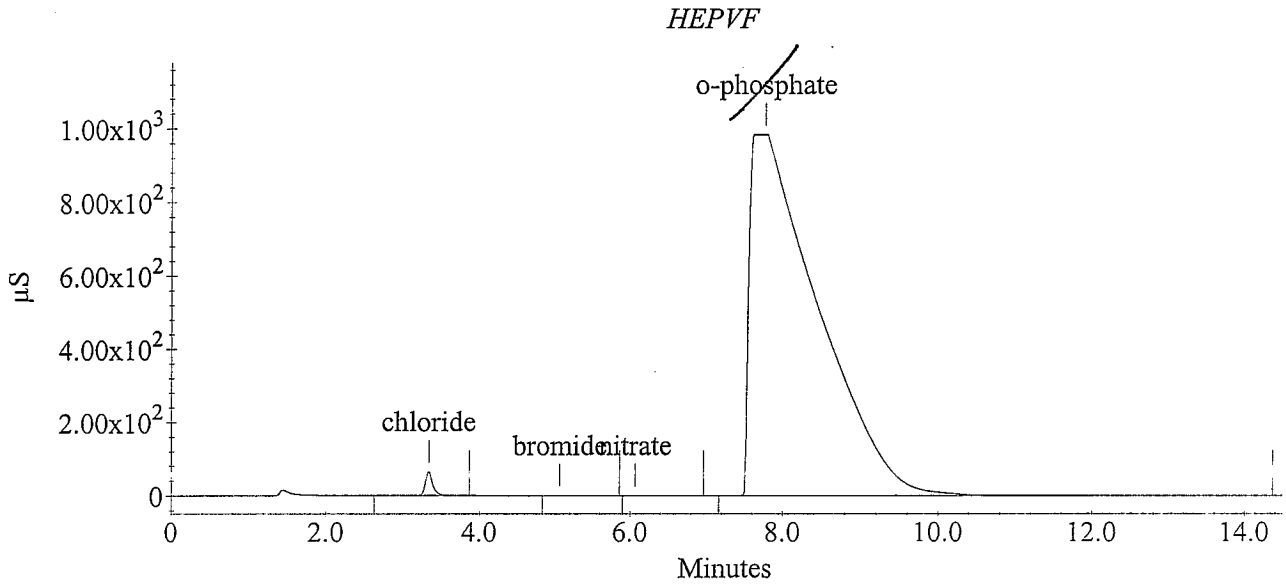
Peak Information : Unknown Peaks

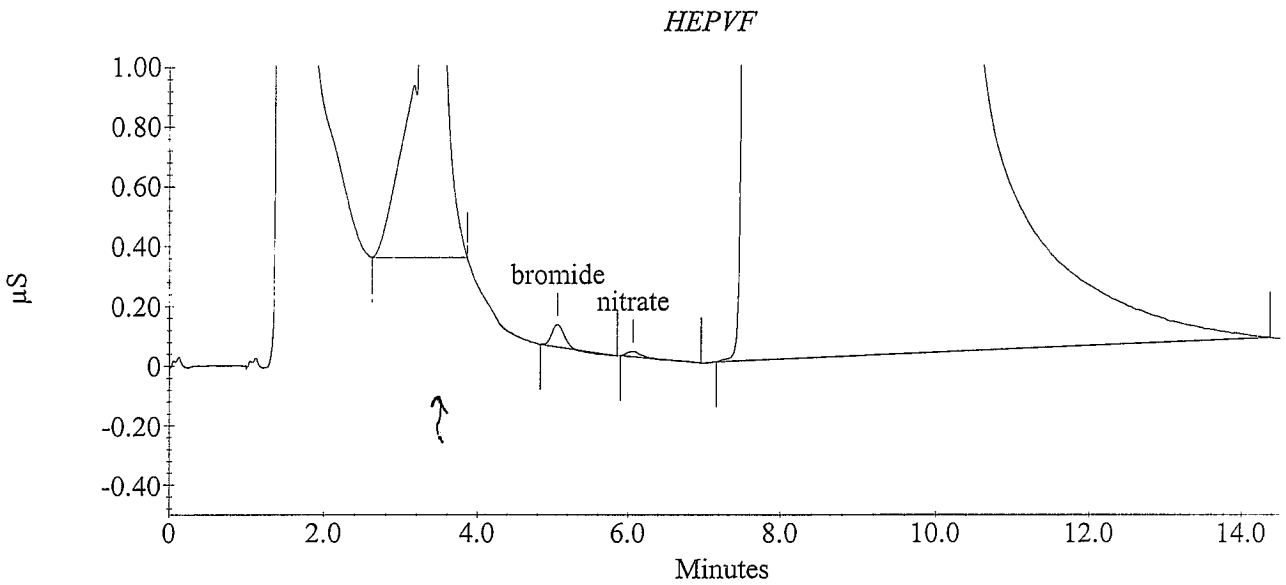
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1290	153

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVF
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVF_039.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 39
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 1:08:39 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 2.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPVF
Data File Name : c:\peaknet\data\dx-120 data\070105\HEPVF_039.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\070105.sch
Date Time Collected : 7/2/05 1:08:39 AM
Sample Weight : 1.00000

Injection Number : 39
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 2.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
chloride	3.33	83.84	4398774	650104
chloride	3.33	83.84	4398774	650104
nitrite				
bromide	5.07	0.49	7788	748
nitrate	6.07	0.02	2186	178
o-phosphate	7.77	801764.10	599972826	9813183
sulfate				

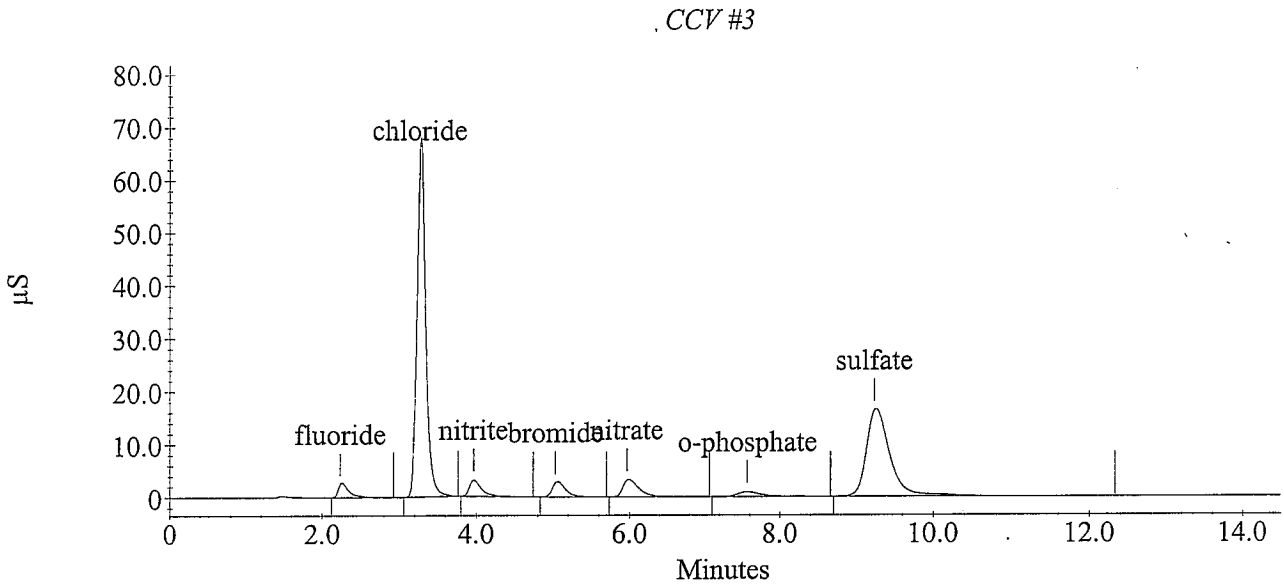
Peak Information : Unknown Peaks

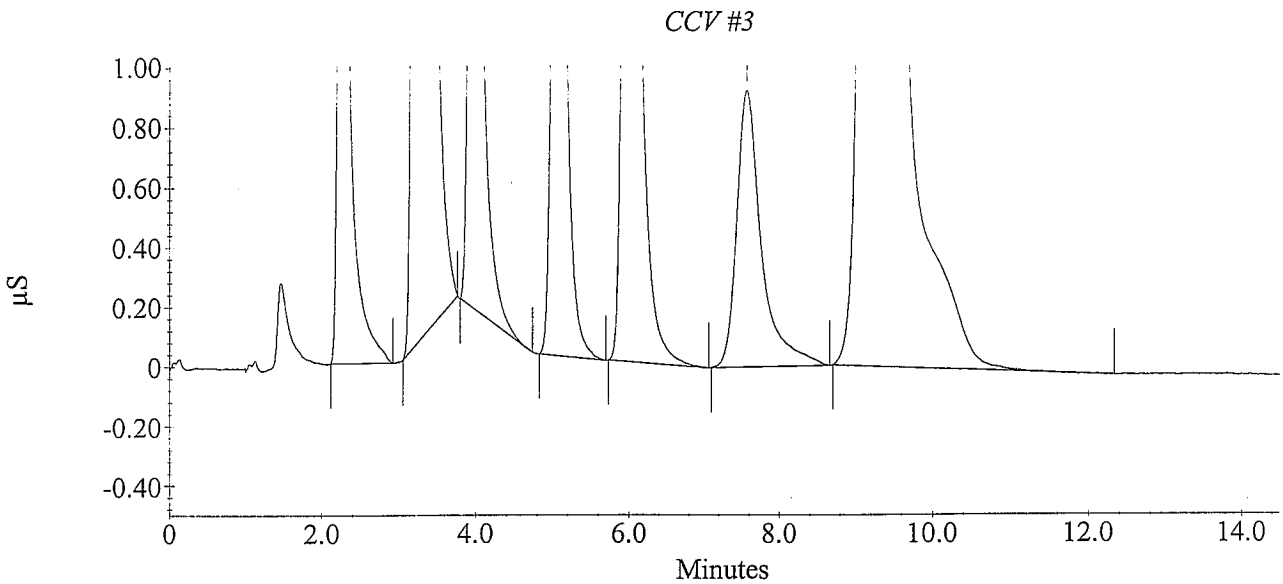
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #3
Data File Name : c:\peaknet\data\dx-120 data\070105\CCV #3_040.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 40
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 1:25:37 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #3
Data File Name : c:\peaknet\data\dx-120 data\070105\CCV #3_040.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 40
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 1:25:37 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.47	270186	24066
chloride	3.27	50.01	5274718	596389
nitrite	3.97	2.45	334209	30616
bromide	5.03	10.20	336282	26479
nitrate	5.97	2.57	480380	31870
o-phosphate	7.57	2.43	207535	9194
sulfate	9.23	52.20	3450608	161850

Peak Information : Unknown Peaks

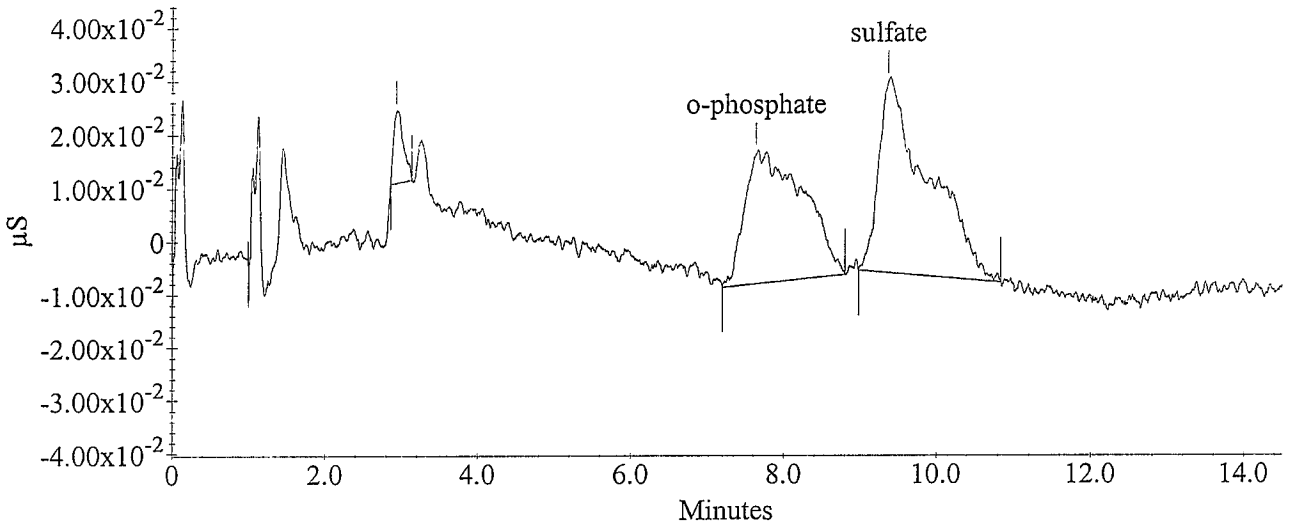
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

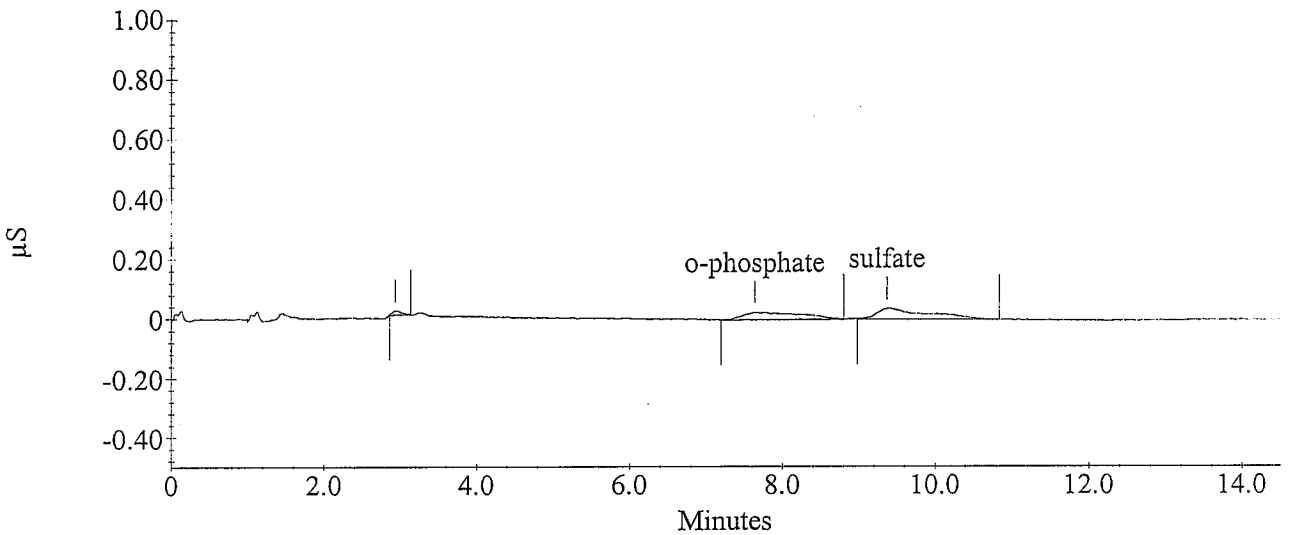
Sample Name : CCB #3
Data File Name : c:\peaknet\data\dx-120 data\070105\CCB #3_041.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 41
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 1:42:33 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #3



CCB #3



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #3
Data File Name : c:\peaknet\data\dx-120 data\070105\CCB #3_041.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 41
Schedule File Name : ...\070105.sch	System Name : DIONEX DX-120
Date Time Collected : 7/2/05 1:42:33 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1215	132
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.63	0.15	13103	242
sulfate	9.37	0.26	16500	357

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1215	132

STL North Canton General Chemistry Data Review Checklist

Parameter(s): Sulfides

Batch(es): 5187439

Method #/SOP#: 9030 B

Requirements	Level I Review YES	Level I Review NO	Level I Review N/A	Level II Review YES	Level II Review NO	Level II Review N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?			✓			✓
2. Calibration curve consist of the minimum number of calibration standards?			✓			✓
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			✓			✓
4. ICB analyzed immediately after ICV and within criteria (±RL)?			✓			✓
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			✓			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			✓			✓
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			✓			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
E. Titrant						
1. Titrant standardized?		✓			✓	
2. If no, standardization expires 7/20/05						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?	✓			✓		
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?	✓			✓		
5. Date/time of preparation and analysis verified as correct ?	✓			✓		
6. Units verified as correct?	✓			✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓			✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s):

Level I reviewer: [signature] Date: 7/7/05

Level II Reviewer: Angela Serra Date: 7/7/05

Level I review:

Sulfide Logsheet

Prep Date	7/6/05	Analyst	DB		Batch 5187439
Anal Date	7/6/05				
					Lcs No.
Titrant	SODIUM				SD5011
Name	THIOSULFATE		Name	Iodine	Prep Date
Normality	0.025		Normality	0.028	6/20/05
	Standardization				
Date	6/20/05		Date	7/6/05	RL
Intials	RN		Intials	DB	1 MG/L

Sample No.	Sample Vol	dil	Titrant Vol (ml)	Final Conc mg/L or mg/kg	QC/Calc
BLK	250	1	22.4	✓ 0.00	
LCS	250	1	13.9	✓ 13.60	TV=14.88
LCSD	250	1	13.8	✓ 13.76	
HEN7K	250	1	22.5	✓ -0.16	
HEN7M	250	1	22.6	✓ -0.32	
HEN7P	250	1	22.0	✓ 0.64	
HEQ4D	250	1	22.7	✓ -0.48	
HEQ4K	250	1	22.2	✓ 0.32	
HEQ4Q	250	1	22.5	✓ -0.16	
HEQ4T	250	1	22.5	✓ -0.16	
HEQ4X	250	1	22.2	✓ 0.32	
HEQ41	250	1	21.9	✓ 0.80	
HEQ45	250	1	22.1	✓ 0.48	
	250	1		35.84	
LCS 1	250	1	13.3	14.56	
LCS 2	250	1	13.0	15.04	
LCS 3	250	1	13.0	15.04	

STL – NORTH CANTON
SULFIDE, REACTIVE SULFIDE LOGSHEET

Prep/Anal Date 7/6/05 Batch 5107439
Analyst CB LCS No. SD5011
RL LCS Prep Date 6/20/05
SODIUM THIOSULFATE WR50458 IODINE # mls used 20.0
Normality 0.025 Normality 0.0280
Standardization Date 6/20/05 Standardization Date 7/6/05
Initials KN Initials CB

Sample	Sample Volume	Dil	Titrant Vol (mL)	Final Conc	Units	QC Calc and Comments
Blank			22.4			
LCS			13.9			TV = 14.88
HEN7K			22.5			
HEN7M			22.6			
HEN7P			22.0			
HEQ4D			22.7			
HEQ4K			22.2			
HEQ4Q			22.5			
HEQ4T			22.5			
HEQ4X			22.2			Starch WR50676
HEQ41			21.9			Iodine WR50674
HEQ45			22.1			Buffer WR50671
LCS DUP			13.8			formaldehyde-WR50453
						Sulfuric Acid WR50672
LCS1			13.3	14.56		
LCS2			13.0	15.04		Ave = 14.88
LCS3			13.0	15.04		

N:\QAQC\LAB_FORM\Wet Chem Sulfide Log.doc Revision 0, 06/01/01 DJL

Parameter(s): CN

Batch(es): 5192086

Method #/SOP#: 335.1

Review Items	Level I Review			Level II Review		
A. Initial Calibration	YES	NO	N/A	YES	NO	N/A
1. Initial calibration correlation coefficient ≥ 0.995?	✓			✓		
2. Calibration curve consist of the minimum number of calibration standards?	✓			✓		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)	✓			✓		
4. ICB analyzed immediately after ICV and within criteria (± RL)?	✓			✓		
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			✓		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			✓		
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			✓		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
E. Titrant						
1. Titrant standardized?			✓			✓
2. If no, standardization expires _____						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?	✓					✓
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?	✓			✓		
5. Date/time of preparation and analysis verified as correct ?	✓			✓		
6. Units verified as correct?	✓			✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓					✓
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s): _____

Level I reviewer: Courtney Tew **Date:** 7/11/05

Level II Reviewer: Melissa A Sullen-Gustafson **Date:** 7/11/05

Level I review:

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

Name of Run	: 050711C	Name of Analysis	: CN-NONCLPCHANNEL2.ANL
Date of Report	: 7/11/05	System No.	: 2
Date of Run	: 7/11/05	Type of System	: TRAACS
Operator	: CT	Start/Stop time	: 14:41 - 15:23
Comment	:		

Channel Type	:	Real	Data	Data
Channel	:	2	1	2
Method	:	CN-Method 2	Weight	Dilution
Unit	:	mg/L		
Calibr. Fit	:	Linear		
Corr. Coeff.	:	0.9998		
Base	:	70		
Gain	:	72		
Sensitivity	:	0.1481		
Sample Limit 1	:			
Sample Limit 2	:			

Pk	Cup		Sample Id	Conc	Conc	Conc	
0	0	B	Baseline	-0.0036	0.0000	0.0000	
1	1	P	Primer	0.1999	1.0000	1.0000	
2	1	C	.200 PPM CY50206	0.2000	1.0000	1.0000	
3	2	C	.100 PPM CY50207	0.0985	1.0000	1.0000	
4	3	C	.050 PPM CY50208	0.0525	1.0000	1.0000	
5	4	C	.025 PPM CY50209	0.0263	1.0000	1.0000	
6	5	C	.010 PPM CY50210	0.0092	1.0000	1.0000	
7	6	C	.005 PPM CY50211	0.0035	1.0000	1.0000	
8	1	H1	High	0.1941	1.0000	1.0000	
9	0	L1	Low	-0.0026	1.0000	1.0000	
10	0	L1	Low	-0.0024	1.0000	1.0000	
11	2	D	Drift	0.0967	1.0000	1.0000	
12	7	QC1	ICV CY50214	0.0974	1.0000	1.0000	
13	8	QC2	ICB	-0.0009	1.0000	1.0000	
14	5	QC10	.01	0.0088	1.0000	1.0000	
15	9	QC3	PREP BLK	-0.0034	1.0000	1.0000	
16	10	QC4	LCS	0.4046	1.0000	4.0000	TV=0.449 90%
17	11	S	HEX79	-0.0030	1.0000	1.0000	
18	12	S	HEX79 MS	0.0328	1.0000	1.0000	TV=0.04 82%
19	13	S	HEX79 MSD	0.0315	1.0000	1.0000	79%
20	14	S	HEJXF	-0.0025	1.0000	1.0000	
21	15	S	HENM0	0.0203	1.0000	1.0000	
22	16	S	HE0FH	-0.0024	1.0000	1.0000	
23	17	S	HE0J7	-0.0024	1.0000	1.0000	
24	18	S	HE3ET	-0.0022	1.0000	1.0000	

25	19	S	HE4RC	-0.0011	1.0000	1.0000
26	20	S	HE4RG	-0.0011	1.0000	1.0000
27	5	QC10.01		0.0082	1.0000	1.0000
28	2	QC1 CCV		0.0975	1.0000	1.0000
29	8	QC2 CCB		-0.0021	1.0000	1.0000
30	21	S	HEP0C	0.0339	1.0000	1.0000
31	22	S	HEM8E	0.0096	1.0000	1.0000
32	23	S	HEQ4D	-0.0035	1.0000	1.0000
33	24	S	HEQ4K	-0.0034	1.0000	1.0000
34	25	S	HEQ4Q	-0.0032	1.0000	1.0000
35	26	S	HEQ4T	-0.0035	1.0000	1.0000
36	27	S	HEQ4X	-0.0039	1.0000	1.0000
37	28	S	HEQ41	-0.0041	1.0000	1.0000
38	29	S	HEQ45	-0.0044	1.0000	1.0000
39	30	S	HEQVC	-0.0034	1.0000	1.0000
40	5	QC100.01		0.0072	1.0000	1.0000
41	2	QC1 CCV		0.0971	1.0000	1.0000
42	8	QC2 CCB		-0.0027	1.0000	1.0000
43	31	S	HE3TG	-0.0038	1.0000	1.0000
44	32	S	HE3TX	-0.0044	1.0000	1.0000
45	33	S	HEF1A-PE	0.5180	1.0000	5.0000
46	34	S	HEF1A-PE RERUN(OLD)	0.6415	1.0000	5.0000
47	5	QC100.01		0.0079	1.0000	1.0000
48	2	QC1 CCV		0.0978	1.0000	1.0000
49	8	QC2 CCB		-0.0019	1.0000	1.0000
50	2	D	Drift	0.0967	1.0000	1.0000
51	0	B	FinalBase	-0.0036	1.0000	1.0000

} not in batch,

QC Limits

Channel :	2
QC 1	Unused
QC 2	Unused
QC 3	Unused
QC 4	Unused
QC 5	Unused
QC 6	Unused
QC 7	Unused
QC 8	Unused
QC 9	Unused
QC10	Unused

CORRECTIONS

Channel :	2
Baseline :	Yes
Drift :	Yes
Carry over :	Yes
%:	3.3

---

* ... Sample offscale
+ ... Result higher than sample limit
- ... Result lower than sample limit
P ... Standard passed
F ... Standard failed
N ... Value not calculated or not used
R ... Resample after offscale
M ... Peak marker moved manually
D ... Diluted sample

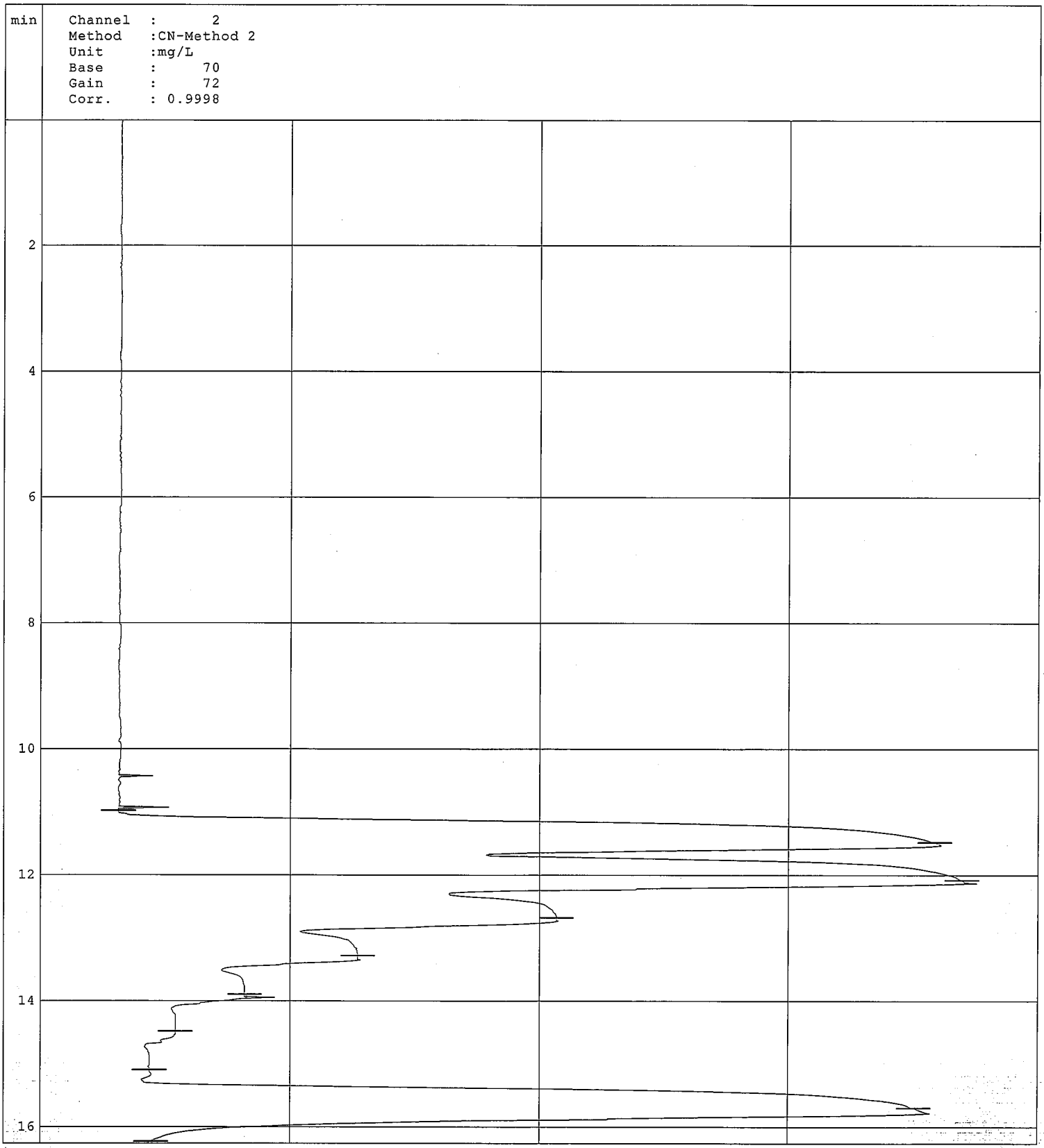
** <END OF REPORT> **

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

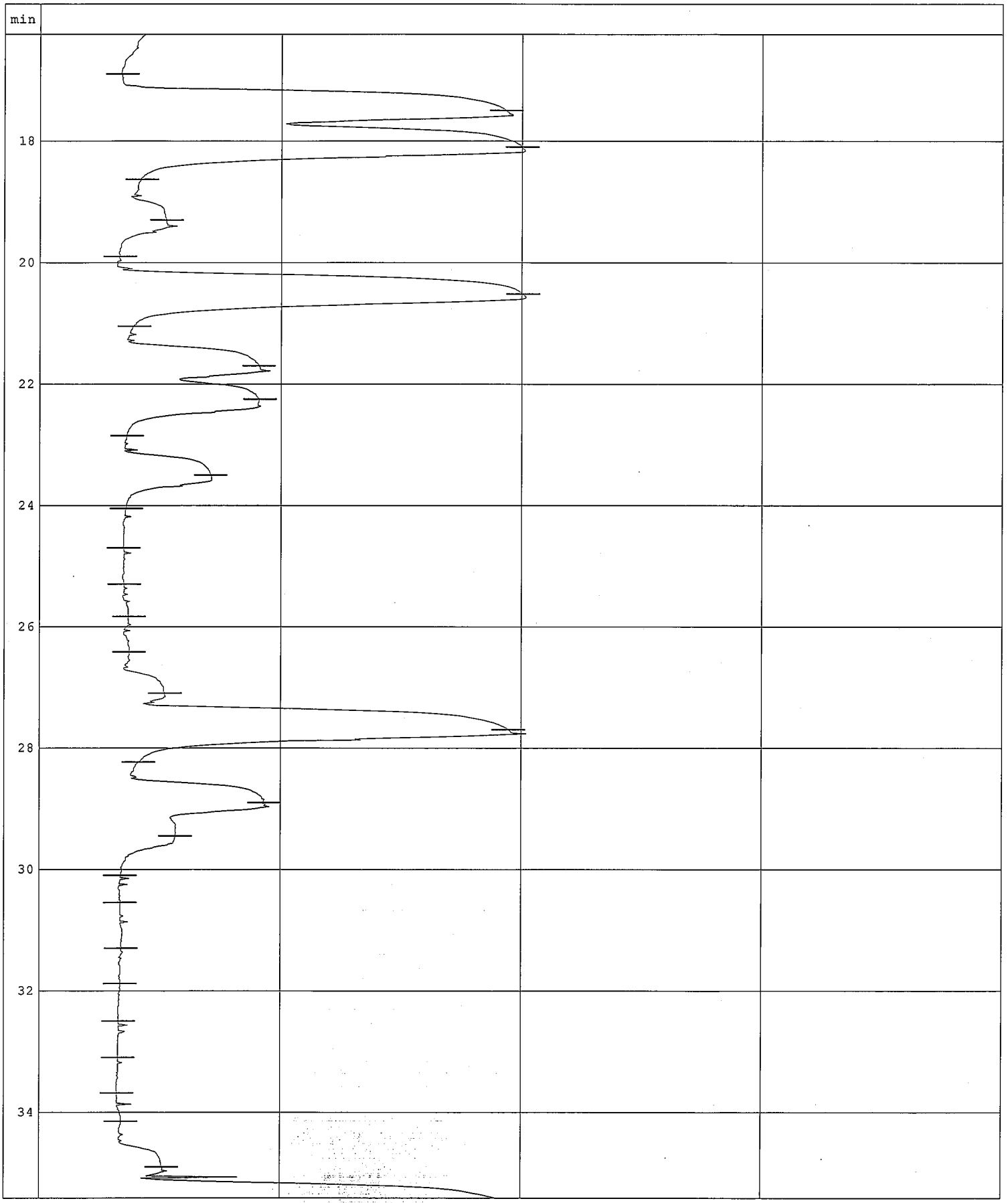
Name of run :050711C.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



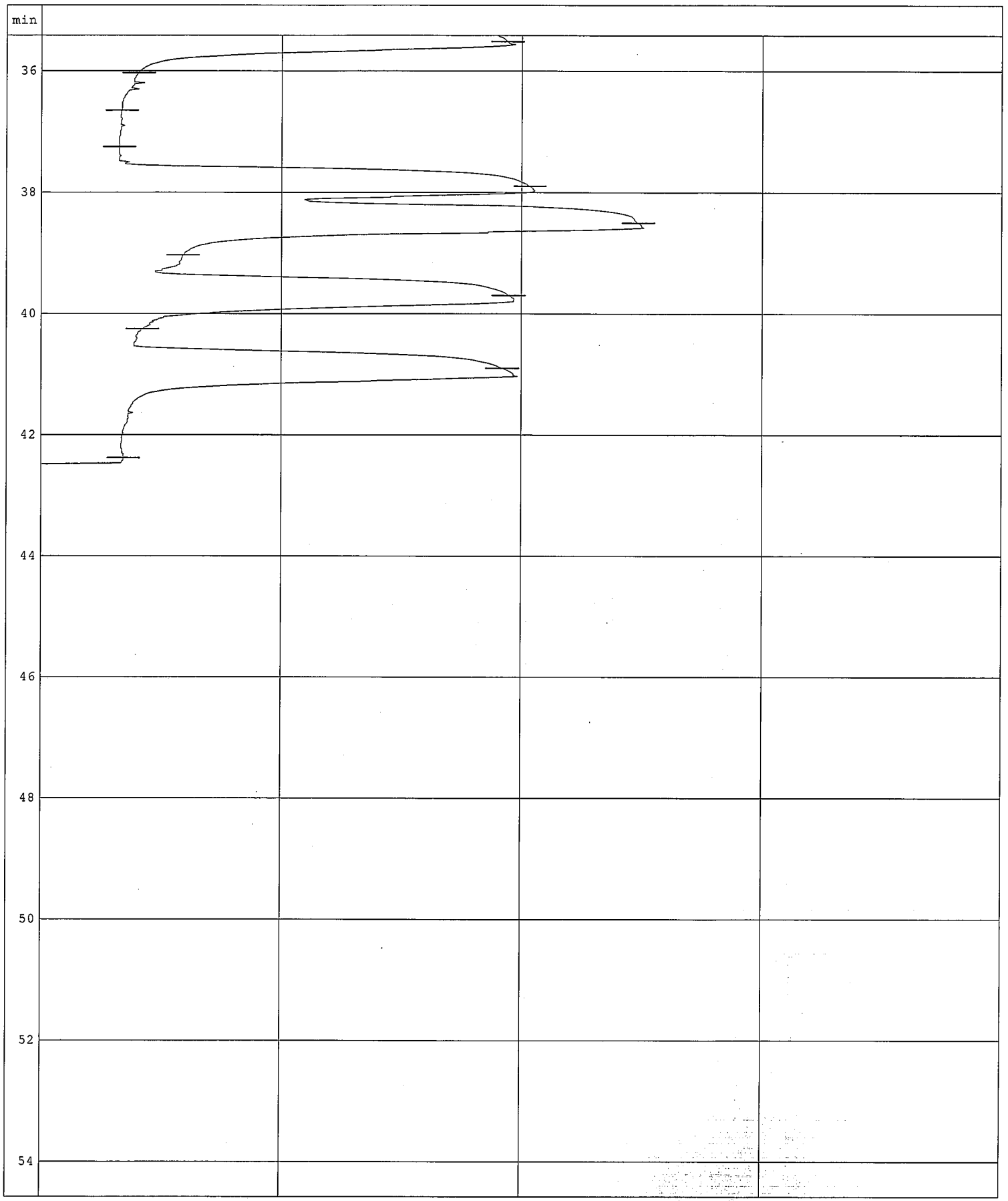
Name of run :050711C.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



Name of run :050711C.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



STL – NORTH CANTON
CYANIDE DISTILLATION LOGSHEET

Prep/Anal Date 7/11/05 Analyst(s) CT Batch 5192086

LCS No P114502 MS/MSD No CY50213 MS Prep Date 7/6/05

Start Time 1:35 pm End Time 2:35 pm Cool Down Time 15 mins

Sample	Type T	C	F	pH >12	S	Cl2	Sample Volume (mL)	Final Volume (mL)	Comments
BLANK	T	C	F				50	50	
LCS	T	C	F						TV = 0.449
HEX79	T	C	F	✓	✓	✓			
L MS	T	C	F						2 mls 2° ppm CY50213
L MSD	T	C	F						1
HEJXF	T	C	F						
NMO	T	C	F						
OFH	T	C	F						
OJ7	T	C	F						
3ET	T	C	F						
4RC	T	C	F						
4RG	T	C	F						
POC	T	C	F						
M8E	T	C	F						
Q4D	T	C	F						
Q4K	T	C	F						
Q4Q	T	C	F						
Q4T	T	C	F						
Q4X	T	C	F						
Q41	T	C	F						
Q45	T	C	F						
QVC	T	C	F						
3TG	T	C	F						
3TX	T	C	F				1	1	
HEFIA	T	C	F	✓	✓	✓			
	T	C	F			CT	7/11/05		

Type: T = Total C = Chlorinated F = Free

S and Cl2 Column – a check mark in these columns indicates the sample was checked for this interference. If the interference is present, the analyst will address this in the comments section.

N:\QAQC\LAB_FORM\Wet Chem CN Distillation Log.doc Revision 0, 06/01/01 DJL

Severn Trent North Canton
Cyanide Reagents

Date: 7/11/2005

Analyst: CT

Reagent Name	Reagent Number
Sulfamic Acid	WR50608
Magnesium Chloride	WR50105
NaOH	WR50655
Chloromine T	WR50700
Phosphate Buffer	WR50607
Pyradine Barbituric Acid	WR50643
Ottowa Sand	WR50057

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5G010137	1		HEQ4D1AG	Cyanide, Total (9012A, Automated)	07/11/05	Courtaney Tenn	07/11/05	Courtaney Tenn
A5G010137	1		HEQ4D1AH	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5G010137	1		HEQ4D1AC	Chloride (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	1		HEQ4D1AD	Nitrate as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	1		HEQ4D1AE	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	1		HEQ4D1AF	Sulfate (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	2		HEQ4K1AR	Cyanide, Total (9012A, Automated)	07/11/05	Courtaney Tenn	07/11/05	Courtaney Tenn
A5G010137	2		HEQ4K1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5G010137	2		HEQ4K1AM	Chloride (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	2		HEQ4K1AN	Nitrate as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	2		HEQ4K1AP	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	2		HEQ4K1AQ	Sulfate (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	3		HEQ4Q1AR	Cyanide, Total (9012A, Automated)	07/11/05	Courtaney Tenn	07/11/05	Courtaney Tenn
A5G010137	3		HEQ4Q1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5G010137	3		HEQ4Q1AM	Chloride (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	3		HEQ4Q1AN	Nitrate as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	3		HEQ4Q1AP	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	3		HEQ4Q1AQ	Sulfate (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	4		HEQ4T1AR	Cyanide, Total (9012A, Automated)	07/11/05	Courtaney Tenn	07/11/05	Courtaney Tenn
A5G010137	4		HEQ4T1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5G010137	4		HEQ4T1AM	Chloride (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	4		HEQ4T1AN	Nitrate as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	4		HEQ4T1AP	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	4		HEQ4T1AQ	Sulfate (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	5		HEQ4X1AR	Cyanide, Total (9012A, Automated)	07/11/05	Courtaney Tenn	07/11/05	Courtaney Tenn
A5G010137	5		HEQ4X1AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5G010137	5		HEQ4X1AM	Chloride (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5G010137	5		HEQ4X1AN	Nitrate as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	5		HEQ4X1AP	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	5		HEQ4X1AQ	Sulfate (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	6		HEQ411AR	Cyanide, Total (9012A, Automated)	07/11/05	Courtaney Tenn	07/11/05	Courtaney Tenn
A5G010137	6		HEQ411AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5G010137	6		HEQ411AM	Chloride (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	6		HEQ411AN	Nitrate as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	6		HEQ411AP	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	6		HEQ411AQ	Sulfate (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	7		HEQ451AN	Nitrate as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	7		HEQ451AP	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	7		HEQ451AQ	Sulfate (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	7		HEQ451AR	Cyanide, Total (9012A, Automated)	07/11/05	Courtaney Tenn	07/11/05	Courtaney Tenn
A5G010137	7		HEQ451AT	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5G010137	7		HEQ451AM	Chloride (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	7	S	HEQ451A9	Sulfate (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	7	S	HEQ451CA	Chloride (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	7	S	HEQ451CC	Nitrate as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon
A5G010137	7	S	HEQ451CD	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Olguita Colon	07/01/05	Olguita Colon

SEVERN TRENT STL

END OF REPORT

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SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

REVISED

YEOMAN CREEK LANDFILL

Lot #: A5F300251

Carlos Serna

Matrix Environmental, Inc.
1880 West Winchester Road
Suite 111
Libertyville, IL 60048

SEVERN TRENT LABORATORIES, INC.

David S. Heakin
Project Manager

August 17, 2005

SEVERN TRENT STL

CASE NARRATIVE

CASE NARRATIVE

A5F300251

The following report contains the analytical results for seventeen water samples submitted to STL North Canton by Matrix Environmental, Inc. from the Yeoman Creek Landfill Site. The samples were received June 30, 2005, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, David S. Heakin, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperatures of the coolers upon sample receipt were 2.6 and 5.9°C.

See STL's Cooler Receipt Form for additional information.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

No ICP Trace Form IX provided for batch 5187019. The serial dilution was performed on a different sample from the same QC batch.

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive of mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) had elevated reporting limits due to matrix interferences. Refer to the sample report pages for the affected analyte(s) flagged with "G".

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analytes(s).

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

SEVERN TRENT STL

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A5F300251

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-301 06/28/05 13:30 001				
Selenium	0.0028	0.0050	mg/L	SW846 6010B
	Qualifiers: B,J			
Barium	0.075 B	0.20	mg/L	SW846 6010B
Boron	0.19 B	0.20	mg/L	SW846 6010B
Calcium	43.6 J	5.0	mg/L	SW846 6010B
Iron	0.043 B	0.10	mg/L	SW846 6010B
Potassium	2.4 B,J	5.0	mg/L	SW846 6010B
Magnesium	29.1	5.0	mg/L	SW846 6010B
Manganese	0.012 B,J	0.015	mg/L	SW846 6010B
Sodium	20.1	5.0	mg/L	SW846 6010B
Nickel	0.0090 B	0.040	mg/L	SW846 6010B
Zinc	0.029 J	0.020	mg/L	SW846 6010B
Chloride	7.3	1.0	mg/L	MCAWW 300.0A
Sulfate	8.4	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A
MW-B 06/28/05 13:17 002				
Selenium	0.0030	0.0050	mg/L	SW846 6010B
	Qualifiers: B,J			
Barium	0.086 B	0.20	mg/L	SW846 6010B
Boron	0.43	0.20	mg/L	SW846 6010B
Calcium	47.3 J	5.0	mg/L	SW846 6010B
Iron	0.45	0.10	mg/L	SW846 6010B
Potassium	1.9 B,J	5.0	mg/L	SW846 6010B
Magnesium	40.6	5.0	mg/L	SW846 6010B
Manganese	0.011 B,J	0.015	mg/L	SW846 6010B
Sodium	38.6	5.0	mg/L	SW846 6010B
Zinc	0.010 B,J	0.020	mg/L	SW846 6010B
Chloride	1.0	1.0	mg/L	MCAWW 300.0A
Sulfate	67.4	1.0	mg/L	MCAWW 300.0A
MW-106 06/28/05 11:40 003				
Barium	0.19 B	0.20	mg/L	SW846 6010B
Beryllium	0.00032 B	0.0050	mg/L	SW846 6010B
Boron	0.25	0.20	mg/L	SW846 6010B
Calcium	267 J	5.0	mg/L	SW846 6010B
Iron	20.5	0.10	mg/L	SW846 6010B
Potassium	5.7 J	5.0	mg/L	SW846 6010B
Magnesium	100	5.0	mg/L	SW846 6010B
Manganese	0.43 J	0.015	mg/L	SW846 6010B
Sodium	79.1	5.0	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5F300251

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-106 06/28/05 11:40 003				
Chloride	241	5.0	mg/L	MCAWW 300.0A
Sulfate	239	5.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A
MW-105 06/28/05 11:15 004				
Barium	0.16 B	0.20	mg/L	SW846 6010B
Boron	0.34	0.20	mg/L	SW846 6010B
Calcium	112 J	5.0	mg/L	SW846 6010B
Iron	3.5	0.10	mg/L	SW846 6010B
Potassium	16.5 J	5.0	mg/L	SW846 6010B
Magnesium	67.0	5.0	mg/L	SW846 6010B
Manganese	0.025 J	0.015	mg/L	SW846 6010B
Sodium	131	5.0	mg/L	SW846 6010B
Chloride	227	5.0	mg/L	MCAWW 300.0A
Sulfate	83.5	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.16	0.10	mg/L	MCAWW 300.0A
MW-105 DUP 06/28/05 11:15 005				
Barium	0.17 B	0.20	mg/L	SW846 6010B
Beryllium	0.00032 B	0.0050	mg/L	SW846 6010B
Boron	0.36	0.20	mg/L	SW846 6010B
Calcium	118 J	5.0	mg/L	SW846 6010B
Iron	3.8	0.10	mg/L	SW846 6010B
Potassium	17.2 J	5.0	mg/L	SW846 6010B
Magnesium	70.3	5.0	mg/L	SW846 6010B
Manganese	0.026 J	0.015	mg/L	SW846 6010B
Sodium	138	5.0	mg/L	SW846 6010B
MW-G 06/28/05 14:30 006				
Selenium	0.0030	0.0050	mg/L	SW846 6010B
	Qualifiers: B,J			
Barium	0.15 B	0.20	mg/L	SW846 6010B
Boron	0.073 B	0.20	mg/L	SW846 6010B
Calcium	76.4 J	5.0	mg/L	SW846 6010B
Iron	1.2	0.10	mg/L	SW846 6010B
Potassium	1.6 B,J	5.0	mg/L	SW846 6010B
Magnesium	45.6	5.0	mg/L	SW846 6010B
Manganese	0.026 J	0.015	mg/L	SW846 6010B
Sodium	11.7	5.0	mg/L	SW846 6010B
Chloride	3.4	1.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5F300251

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-G 06/28/05 14:30 006				
Sulfate	68.9	1.0	mg/L	MCAWW 300.0A
MW-101 06/28/05 17:40 007				
Chromium	0.0048 B	0.0050	mg/L	SW846 6010B
Barium	0.074 B	0.20	mg/L	SW846 6010B
Beryllium	0.00048 B	0.0050	mg/L	SW846 6010B
Boron	0.16 B	0.20	mg/L	SW846 6010B
Calcium	157 J	5.0	mg/L	SW846 6010B
Iron	3.5	0.10	mg/L	SW846 6010B
Potassium	5.3 J	5.0	mg/L	SW846 6010B
Magnesium	91.7	5.0	mg/L	SW846 6010B
Manganese	0.043 J	0.015	mg/L	SW846 6010B
Sodium	160	5.0	mg/L	SW846 6010B
Nickel	0.014 B	0.040	mg/L	SW846 6010B
Chloride	401	5.0	mg/L	MCAWW 300.0A
Sulfate	145	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.050 B	0.10	mg/L	MCAWW 300.0A
MW-A 06/28/05 08:25 008				
Barium	0.058 B	0.20	mg/L	SW846 6010B
Beryllium	0.00036 B	0.0050	mg/L	SW846 6010B
Boron	0.23	0.20	mg/L	SW846 6010B
Calcium	90.5 J	5.0	mg/L	SW846 6010B
Iron	0.43	0.10	mg/L	SW846 6010B
Potassium	3.1 B,J	5.0	mg/L	SW846 6010B
Magnesium	58.3	5.0	mg/L	SW846 6010B
Manganese	0.0050	0.015	mg/L	SW846 6010B
	Qualifiers: B,J			
Sodium	47.0	5.0	mg/L	SW846 6010B
Acetone	0.84 J	10	ug/L	SW846 8260B
Vinyl chloride	2.0	1.0	ug/L	SW846 8260B
Chloride	90.6	1.0	mg/L	MCAWW 300.0A
Sulfate	104	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.33	0.10	mg/L	MCAWW 300.0A
MW-112 06/29/05 15:45 009				
Aluminum	0.060 B	0.20	mg/L	SW846 6010B
Barium	0.066 B	0.20	mg/L	SW846 6010B
Beryllium	0.00038 B	0.0050	mg/L	SW846 6010B
Boron	0.16 B	0.20	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5F300251

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-112 06/29/05 15:45 009				
Calcium	139 J	5.0	mg/L	SW846 6010B
Iron	3.5	0.10	mg/L	SW846 6010B
Potassium	3.5 B,J	5.0	mg/L	SW846 6010B
Magnesium	71.5	5.0	mg/L	SW846 6010B
Manganese	0.076 J	0.015	mg/L	SW846 6010B
Sodium	129	5.0	mg/L	SW846 6010B
Zinc	0.0072	0.020	mg/L	SW846 6010B
	Qualifiers: B,J			
Acetone	1.4 J	10	ug/L	SW846 8260B
Chloride	247	5.0	mg/L	MCAWW 300.0A
Sulfate	192	5.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A
MW-110 06/29/05 13:15 010				
Barium	0.13 B	0.20	mg/L	SW846 6010B
Beryllium	0.00036 B	0.0050	mg/L	SW846 6010B
Boron	0.43	0.20	mg/L	SW846 6010B
Calcium	114 J	5.0	mg/L	SW846 6010B
Iron	3.1	0.10	mg/L	SW846 6010B
Potassium	22.8 J	5.0	mg/L	SW846 6010B
Magnesium	81.5	5.0	mg/L	SW846 6010B
Manganese	0.016 J	0.015	mg/L	SW846 6010B
Sodium	122	5.0	mg/L	SW846 6010B
Acetone	1.5 J	10	ug/L	SW846 8260B
Chloride	196	1.0	mg/L	MCAWW 300.0A
Sulfate	55.4	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A
MW-109 06/29/05 14:30 011				
Barium	0.046 B	0.20	mg/L	SW846 6010B
Beryllium	0.00038 B	0.0050	mg/L	SW846 6010B
Boron	0.29	0.20	mg/L	SW846 6010B
Calcium	111 J	5.0	mg/L	SW846 6010B
Copper	0.0063 B	0.025	mg/L	SW846 6010B
Iron	2.5	0.10	mg/L	SW846 6010B
Potassium	3.5 B,J	5.0	mg/L	SW846 6010B
Magnesium	94.6	5.0	mg/L	SW846 6010B
Manganese	0.014 B,J	0.015	mg/L	SW846 6010B
Sodium	91.5	5.0	mg/L	SW846 6010B
Nickel	0.0017 B	0.040	mg/L	SW846 6010B
Chloride	178	1.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5F300251

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-109 06/29/05 14:30 011				
Sulfate	148	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A
MW-108 06/29/05 21:50 012				
Barium	0.051 B	0.20	mg/L	SW846 6010B
Beryllium	0.00039 B	0.0050	mg/L	SW846 6010B
Boron	0.16 B	0.20	mg/L	SW846 6010B
Calcium	87.8 J	5.0	mg/L	SW846 6010B
Iron	0.84	0.10	mg/L	SW846 6010B
Potassium	1.6 B,J	5.0	mg/L	SW846 6010B
Magnesium	46.5	5.0	mg/L	SW846 6010B
Manganese	0.077 J	0.015	mg/L	SW846 6010B
Sodium	25.0	5.0	mg/L	SW846 6010B
Nickel	0.0044 B	0.040	mg/L	SW846 6010B
Chloride	46.9	1.0	mg/L	MCAWW 300.0A
Sulfate	79.1	1.0	mg/L	MCAWW 300.0A
MW-103 06/29/05 23:20 013				
Selenium	0.0030	0.0050	mg/L	SW846 6010B
	Qualifiers: B,J			
Barium	0.10 B	0.20	mg/L	SW846 6010B
Beryllium	0.00041 B	0.0050	mg/L	SW846 6010B
Boron	0.32	0.20	mg/L	SW846 6010B
Calcium	146 J	5.0	mg/L	SW846 6010B
Iron	4.2	0.10	mg/L	SW846 6010B
Potassium	25.5 J	5.0	mg/L	SW846 6010B
Magnesium	75.3	5.0	mg/L	SW846 6010B
Manganese	0.019 J	0.015	mg/L	SW846 6010B
Sodium	131	5.0	mg/L	SW846 6010B
Acetone	1.1 J	10	ug/L	SW846 8260B
Chloride	196	5.0	mg/L	MCAWW 300.0A
Sulfate	108	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.060 B	0.10	mg/L	MCAWW 300.0A
MW-104 06/29/05 12:17 014				
Cobalt	0.0053 B	0.0070	mg/L	SW846 6010B
Barium	0.54	0.20	mg/L	SW846 6010B
Beryllium	0.00041 B	0.0050	mg/L	SW846 6010B
Boron	0.82	0.20	mg/L	SW846 6010B
Calcium	101 J	5.0	mg/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5F300251

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-104 06/29/05 12:17 014				
Iron	4.7	0.10	mg/L	SW846 6010B
Potassium	67.3 J	5.0	mg/L	SW846 6010B
Magnesium	87.5	5.0	mg/L	SW846 6010B
Manganese	0.14 J	0.015	mg/L	SW846 6010B
Sodium	227	5.0	mg/L	SW846 6010B
Nickel	0.0020 B	0.040	mg/L	SW846 6010B
Acetone	7.9 J	10	ug/L	SW846 8260B
Chloroethane	1.4	1.0	ug/L	SW846 8260B
Chloride	293	5.0	mg/L	MCAWW 300.0A
Sulfate	51.8	1.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A
MW-402 06/29/05 17:30 015				
Barium	0.16 B	0.20	mg/L	SW846 6010B
Beryllium	0.00042 B	0.0050	mg/L	SW846 6010B
Boron	4.7	0.20	mg/L	SW846 6010B
Calcium	220 J	5.0	mg/L	SW846 6010B
Iron	0.67	0.10	mg/L	SW846 6010B
Potassium	9.4 J	5.0	mg/L	SW846 6010B
Magnesium	66.5	5.0	mg/L	SW846 6010B
Manganese	0.52 J	0.015	mg/L	SW846 6010B
Sodium	186	5.0	mg/L	SW846 6010B
Zinc	0.0070	0.020	mg/L	SW846 6010B
	Qualifiers: B,J			
Chloride	452	5.0	mg/L	MCAWW 300.0A
Sulfate	287	5.0	mg/L	MCAWW 300.0A
MW-401 06/29/05 18:22 016				
Barium	0.55	0.20	mg/L	SW846 6010B
Beryllium	0.00043 B	0.0050	mg/L	SW846 6010B
Boron	0.49	0.20	mg/L	SW846 6010B
Calcium	121 J	5.0	mg/L	SW846 6010B
Iron	0.049 B	0.10	mg/L	SW846 6010B
Potassium	35.2 J	5.0	mg/L	SW846 6010B
Magnesium	66.8	5.0	mg/L	SW846 6010B
Manganese	0.0084	0.015	mg/L	SW846 6010B
	Qualifiers: B,J			
Sodium	60.7	5.0	mg/L	SW846 6010B
Nickel	0.0017 B	0.040	mg/L	SW846 6010B
Acetone	0.86 J	10	ug/L	SW846 8260B
Chloride	112	1.0	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A5F300251

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
MW-401 06/29/05 18:22 016				
Sulfate	20.9	1.0	mg/L	MCAWW 300.0A
Nitrate as N	3.5	0.10	mg/L	MCAWW 300.0A
Acid-soluble sulfide	0.64	0.50	mg/L	SW846 9030B/9034
MW-102 06/28/05 18:30 017				
Selenium	0.0032	0.0050	mg/L	SW846 6010B
	Qualifiers: B,J			
Barium	0.10 B	0.20	mg/L	SW846 6010B
Beryllium	0.00060 B	0.0050	mg/L	SW846 6010B
Boron	0.20	0.20	mg/L	SW846 6010B
Calcium	184 J	5.0	mg/L	SW846 6010B
Iron	9.7	0.10	mg/L	SW846 6010B
Potassium	5.5 J	5.0	mg/L	SW846 6010B
Magnesium	39.6	5.0	mg/L	SW846 6010B
Manganese	0.20 J	0.015	mg/L	SW846 6010B
Sodium	423	5.0	mg/L	SW846 6010B
Acetone	0.86 J	10	ug/L	SW846 8260B
Chloride	707	5.0	mg/L	MCAWW 300.0A
Sulfate	274 J	5.0	mg/L	MCAWW 300.0A
Nitrate as N	0.020 B	0.10	mg/L	MCAWW 300.0A

SEVERN TRENT STL

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A5F300251

PARAMETER	ANALYTICAL METHOD
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Nitrite as N	MCAWW 300.0A
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SEVERN TRENT STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A5F300251

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HEN50	001	MW-301	06/28/05	13:30
HEN59	002	MW-B	06/28/05	13:17
HEN6D	003	MW-106	06/28/05	11:40
HEN6F	004	MW-105	06/28/05	11:15
HEN6G	005	MW-105 DUP	06/28/05	11:15
HEN6P	006	MW-G	06/28/05	14:30
HEN6W	007	MW-101	06/28/05	17:40
HEN61	008	MW-A	06/28/05	08:25
HEN65	009	MW-112	06/29/05	15:45
HEN68	010	MW-110	06/29/05	13:15
HEN7D	011	MW-109	06/29/05	14:30
HEN7F	012	MW-108	06/29/05	21:50
HEN7H	013	MW-103	06/29/05	23:20
HEN7K	014	MW-104	06/29/05	12:17
HEN7M	015	MW-402	06/29/05	17:30
HEN7P	016	MW-401	06/29/05	18:22
HEPDT	017	MW-102	06/28/05	18:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SEVERN TRENT STL

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

20

TL-4124 (0901)

Client: Matrix Environmental, Inc.	Project Manager: Carlos Serna	Date: 6/29/05	Chain of Custody Number: 232121
Address: 357 N. Milwaukee Ave Suite A	Telephone Number (Area Code)/Fax Number: 847-367-6835, FA-6845	Lab Number:	Page 1 of 1
City: Libertyville; State: Il; Zip Code: 60048	Site Contact: John Seymour; Lab Contact:		
Project Name and Location (State): Yeoman Creek Landfill	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: Carlos Serna			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC	Cyanide	Indicators	Metal	Special Instructions/ Conditions of Receipt
MW-112	6/29/05	3:45											✓	✓	✓	✓	
MW-110	6/29/05	1:15											✓	✓	✓	✓	
MW-109	6/29/05	2:30											✓	✓	✓	✓	
MW-108	6/29/05	9:50											✓	✓	✓	✓	
MW-103	6/29/05	11:20											✓	✓	✓	✓	
MW-104	6/29/05	12:10											✓	✓	✓	✓	
MW-44	6/29/05	6:30											✓	✓	✓	✓	
MW-402	6/29/05	5:30											✓	✓	✓	✓	

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

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

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	6/29/05	6:30	1. Received By: Diana Miller	6/30/05	9:45
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments

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

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

21

TL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Matrix Environmental, Inc.	Carlos Serna	6/29/05	232120

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page
357 N. Milwaukee Ave. Suite A	847-367-6835 - FAX - 6845		Page 1 of 1

City	State	Zip Code	Site Contact	Lab Contact
Libertyville	IL	60048	John Seyman	

Project Name and Location (State)	Carrier/Waybill Number
Yeoman Creek Landfill	

Contract/Purchase Order/Quote No.: Carlos Serna

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC	Cyanide	Endrin	Metals			Special Instructions/ Conditions of Receipt
~~MW-105~~	~~6/29/05~~															✓	Cr		
MW-301	6/28/05	1:30											✓	✓	✓	✓			
MW-13	6/28/05	1:17											✓	✓	✓	✓			
MW-106	6/28/05	15:40											✓	✓	✓	✓			
MW-105	6/28/05	11:45											✓	✓	✓	✓			
MW-105 Dup	6/28/05	11:15											✓	✓	✓	✓			Duplicate Sample
MW-6	6/29/05	2:30											✓	✓	✓	✓			
MW-~~3~~ 101	6/2/05	5:40											✓	✓	✓	✓			
MW-4	6/29/05	8:25											✓	✓	✓	✓			
MW-102	6/28/05	6:30											✓	✓	✓	✓			

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

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

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
	6/29/05	6:30	Warren Miller	6/30/05	9:45
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

STL North Canton

RSR280

Severn Trent Laboratories, Inc.
Sample Control Record

Client: 1356603

Lot #: A5F300251

Case Number/SDG:

Storage Location: C67 S13 MS

Laboratory Sample I.D.	Transferred By	Date	Entered	Removed	Reason	Date Returned
HEN50	ROACHC	6/30/05	Yes		Storage	
HEN59	OMEARAP	6/30/05	Yes		Storage	
HEN6D	OMEARAP	6/30/05	Yes		Storage	
HEN6F	OMEARAP	6/30/05	Yes		Storage	
HEN6G	MACENCZS	6/30/05	Yes		Storage	
HEN6P	OMEARAP	6/30/05	Yes		Storage	
HEN6W	OMEARAP	6/30/05	Yes		Storage	
HEN61	OMEARAP	6/30/05	Yes		Storage	
HEN65	OMEARAP	6/30/05	Yes		Storage	
HEN68	OMEARAP	6/30/05	Yes		Storage	
HEN7D	OMEARAP	6/30/05	Yes		Storage	
HEN7F	OMEARAP	6/30/05	Yes		Storage	
HEN7H	OMEARAP	6/30/05	Yes		Storage	
HEN7K	OMEARAP	6/30/05	Yes		Storage	
HEN7M	OMEARAP	6/30/05	Yes		Storage	
HEN7P	OMEARAP	6/30/05	Yes		Storage	
HEPDT	OMEARAP	6/30/05	Yes		Storage	

STL Cooler Receipt Form/Narrative **Lot Number:** ASF300251
North Canton Facility

Client: MATRIX Project: Quote#:
Cooler Received on: 6/30/05 Opened on: 6/30/05 by: Diana Mitw (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other:
STL Cooler No# back Foam Box ☐ Client Cooler ☐ Other

1. Were custody seals on the outside of the cooler? Yes ☐ No ☐ Intact? Yes ☐ No ☐ NA ☐
   If YES, Quantity
   Were the custody seals signed and dated?
2. Shipper's packing slip attached to this form?
3. Did custody papers accompany the samples? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place?
5. Packing material used: Bubble Wrap ☑ Foam ☐ None ☐
6. Cooler temperature upon receipt ____ °C (see back of form fo
METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bot
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Wa
7. Did all bottles arrive in good condition (Unbroken)?
8. Could all bottle labels and/or tags be reconciled with the COC?
9. Were samples at the correct pH? (record below/on back)
10. Were correct bottles used for the tests indicated?
11. Were air bubbles >6 mm in any VOA vials?
12. Sufficient quantity received to perform indicated analyses?

Contacted PM: DSH Date: 6/30 by: QM
Concerning: #1 & #3, #4

Carlos Serna
MW 104 vs. MW 44
Sulfide – split 1/2 and preserve for Sulf.
64254
needs 200 labels o/n to Liberty Ville

1. CHAIN OF CUSTODY

The following discrepancies occurred:
Rec'd 1X1, 1X250, 1X500, 3X40 for sample MW-401 at time of 18:22. Did not receive sample MW-44 at time of 6:30. Did not receive 1X500 unpreserved for sample 105 Dup. Will use sample time & date for MW401 from container label (6/29/05, 18:22)

2. SAMPLE CONDITION

Sample(s) ____ were received after the recommended holding time had expired.
Sample(s) ____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) 110, 103, 104, 105, 401 all metals were further preserved in sample receiving to meet recommended pH level(s) *Nitric Acid Lot # 051105-HNO3; Sulfuric Acid Lot # 102804-H2SO4; Sodium Hydroxide Lot # -041305 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s) ____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

110, 103, 104, 402, 106, 401 – all cyanide.
Mistakenly logged sample 102 out of order.
Will split 250 ml from unpreserved 500 ml for sulfide Test per DDT

Client ID	pH		Date	Initials
112	<2	>12	6/30/05	QM
110	<2	>12		
109	<2	>12		
108	<2	>12		
103	<2	>12		

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER STL Rev49 062205.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH		Date	Initials
104	<2	≥12	11/30/05	CM
402	<2	≥12		
301	<2	≥12		
13	<2	≥12		
106	<2	≥12		
105	<2	≥12		
105 DUP	<2	≥12		
9	<2	≥12		
101	<2	≥12		
A	<2	≥12		
102	<2	≥12		

Cooler	Temp	Method	Coolant
E301	2.6°C	FE	ICE
Q125	5.9°C		

Discrepancies Cont.

Ph's of containers split for sulfide tests. ASP300251

STL North Canton Multiple Cooler Receipt Form/Narrative

Client ID	pH	Date	Initials
301	7 9	7/1/08	CM
13	7 9		
106	7 9		
105	7 9		
6	7 9		
101	7 9		
14	7 7		
112	7 9		
110	7 9		
109	7 9		
108	7 9		
103	7 9		
104	7 9		
402	7 9		
401	7 9		
102	7 9		

GCMS VOLATILE DATA

QC SUMMARY DATA

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F300251

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	94	94	101	98	00
02	MW-301	95	97	102	100	00
03	MW-B	94	98	101	101	00
04	MW-106	95	95	101	99	00
05	MW-105	93	100	98	94	00
06	MW-105 DUP	96	100	101	95	00
07	MW-G	96	103	98	97	00
08	MW-101	94	99	99	96	00
09	MW-A	111	114	99	92	00
10	MW-112	111	112	100	92	00
11	MW-110	111	112	100	92	00
12	MW-109	96	104	97	93	00
13	MW-108	94	97	97	93	00
14	MW-103	95	100	100	95	00
15	MW-104	99	103	98	97	00
16	MW-402	94	99	100	96	00
17	MW-401	109	113	98	91	00
18	MW-102	110	114	99	93	00
19	INTRA-LAB QC	96	101	98	96	00
20	METHOD BLK. HE32F1AA	97	97	103	100	00
21	METHOD BLK. HE8971AA	108	111	102	94	00
22	METHOD BLK. HE9CW1AA	93	100	100	96	00
23	LCS HE32F1AC	96	100	104	104	00
24	LCS HE8971AC	106	108	102	100	00
25	LCS HE9CW1AC	91	105	99	101	00
26	LAB MS/MSD D	96	100	102	102	00
27	LAB MS/MSD D	97	106	98	100	00

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F300251

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	LCSD HE32F1AD	95	101	102	105	00
02	LCSD HE8971AD	104	108	105	100	00
03	LCSD HE9CW1AD	100	105	100	98	00
04	LAB MS/MSD S	95	99	101	103	00
05	LAB MS/MSD S	94	108	100	100	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5F300251

Extraction: XXI25RI01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	101	112	103	89	00
02	LAB MS/MSD D	103	111	104	99	00
03	LAB MS/MSD S	102	111	104	99	00

SURROGATES		QC LIMITS
SRG01	= Dibromofluoromethane	(73-122)
SRG02	= 1,2-Dichloroethane-d4	(61-128)
SRG03	= Toluene-d8	(76-110)
SRG04	= 4-Bromofluorobenzene	(74-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G080000 WO #: HE32F1AC
BATCH: 5189202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.2	92	63 - 130	
Trichloroethene	10	8.5	85	75 - 122	
Benzene	10	9.6	96	80 - 116	
Toluene	10	9.7	97	74 - 119	
Chlorobenzene	10	8.9	89	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G080000 WO #: HE32F1AD
BATCH: 5189202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.7	97	63 - 130	
Trichloroethene	10	9.4	94	75 - 122	
Benzene	10	10	104	80 - 116	
Toluene	10	10	105	74 - 119	
Chlorobenzene	10	9.5	95	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G120000 WO #: HE8971AC
BATCH: 5193076

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.3	93	63- 130	
Trichloroethene	10	9.2	92	75- 122	
Benzene	10	8.9	89	80- 116	
Toluene	10	8.9	89	74- 119	
Chlorobenzene	10	8.8	88	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G120000 WO #: HE8971AD
BATCH: 5193076

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	101	63- 130	
Trichloroethene	10	9.7	97	75- 122	
Benzene	10	9.5	95	80- 116	
Toluene	10	9.6	96	74- 119	
Chlorobenzene	10	9.6	96	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G120000 WO #: HE9CW1AC
BATCH: 5193105

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	9.9	99	63 - 130	
Trichloroethene	10	9.5	95	75 - 122	
Benzene	10	9.1	91	80 - 116	
Toluene	10	10	102	74 - 119	
Chlorobenzene	10	9.8	98	76 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Lot #: A5G120000 WO #: HE9CW1AD
BATCH: 5193105

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	101	63- 130	
Trichloroethene	10	9.4	94	75- 122	
Benzene	10	9.4	94	80- 116	
Toluene	10	10	104	74- 119	
Chlorobenzene	10	9.8	98	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5F300184 WO #: HENR71AC
BATCH: 5189202

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10	ND	9.7	97	62- 130	
Trichloroethene	10	ND	9.5	95	62- 130	
Benzene	10	ND	10	104	78- 118	
Toluene	10	ND	11	107	70- 119	
Chlorobenzene	10	ND	10	100	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5F300184 WO #: HENR71AD
BATCH: 5189202

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10	10	101	4.3		20	62 - 130	
Trichloroethene	10	9.6	96	1.3		20	62 - 130	
Benzene	10	10	105	0.29		20	78 - 118	
Toluene	10	11	107	0.38		20	70 - 119	
Chlorobenzene	10	10	101	0.50		20	76 - 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G010145 WO #: HEQ681AC
BATCH: 5193105

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	110	2.5	110	100	62- 130	
Trichloroethene	110	260	360	91	62- 130	
Benzene	110	ND	110	100	78- 118	
Toluene	110	ND	110	102	70- 119	
Chlorobenzene	110	ND	110	98	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G010145 WO #: HEQ681AD
BATCH: 5193105

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	110	110	101	0.81	20	62- 130	
Trichloroethene	110	360	95	1.1	20	62- 130	
Benzene	110	110	101	1.2	20	78- 118	
Toluene	110	110	102	0.090	20	70- 119	
Chlorobenzene	110	110	96	1.2	20	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G070173 WO #: HE1M91AC
BATCH: 5193076

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	500	ND	430	85	62- 130	
Trichloroethene	500	1300	1700	87	62- 130	
Benzene	500	ND	420	84	78- 118	
Toluene	500	ND	440	88	70- 119	
Chlorobenzene	500	ND	430	87	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Matrix Environmental, Inc.

Lab Code: STLCAN SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: A5G070173 WO #: HE1M91AD
BATCH: 5193076

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	500	450	90	5.5	20	62 - 130	
Trichloroethene	500	1800	97	2.9	20	62 - 130	
Benzene	500	460	91	7.9	20	78 - 118	
Toluene	500	470	94	6.7	20	70 - 119	
Chlorobenzene	500	460	93	6.6	20	76 - 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: HE32F1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXJ5362.D

Lot Number: A5F300251

Date Analyzed: 07/08/05

Time Analyzed: 09:08

Matrix: WATER

Date Extracted:07/08/05

GC Column: DB 624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX11

Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	HENR71AA	UXJ5368.D	07/08/05	11:19
02	LAB MS/MSD	HENR71AC S	UXJ5380.D	07/08/05	15:35
03	LAB MS/MSD	HENR71AD D	UXJ5381.D	07/08/05	15:57
04	MW-301	HEN501AA	UXJ5382.D	07/08/05	16:18
05	MW-B	HEN591AK	UXJ5383.D	07/08/05	16:39
06	MW-106	HEN6D1AK	UXJ5384.D	07/08/05	17:01
07	CHECK SAMPLE	HE32F1AC C	UXJ5360.D	07/08/05	08:25
08	DUPLICATE CHECK	HE32F1AD L	UXJ5361.D	07/08/05	08:46
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: HE8971AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN

SDG Number:

Lab File ID: UXC0634.D

Lot Number: A5F300251

Date Analyzed: 07/11/05

Time Analyzed: 08:52

Matrix: WATER

Date Extracted: 07/11/05

GC Column: DB624 ID: .18

Extraction Method: 5030B/8260B

Instrument ID: UX15

Level: (low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-A	HEN611AK	UXC0644.D	07/11/05	12:43
02	MW-112	HEN651AK	UXC0645.D	07/11/05	13:05
03	MW-110	HEN681AK	UXC0646.D	07/11/05	13:28
04	MW-401	HEN7P1AK	UXC0647.D	07/11/05	13:50
05	MW-102	HEPDT1AK	UXC0648.D	07/11/05	14:13
06	INTRA-LAB QC	HE1M91AA	UXC0652.D	07/11/05	15:45
07	LAB MS/MSD	HE1M91AC S	UXC0653.D	07/11/05	16:08
08	LAB MS/MSD	HE1M91AD D	UXC0654.D	07/11/05	16:30
09	CHECK SAMPLE	HE8971AC C	UXC0632.D	07/11/05	08:06
10	DUPLICATE CHECK	HE8971AD L	UXC0633.D	07/11/05	08:29
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

SW846 8260B METHOD BLANK SUMMARY

BLANK WORKORDER NO.: HE9CW1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLCAN SDG Number:

Lab File ID: UXJ5390.D Lot Number: A5F300251

Date Analyzed: 07/11/05 Time Analyzed: 14:12

Matrix: WATER Date Extracted:07/11/05

GC Column: DB 624 ID: .18 Extraction Method: 5030B/8260B

Instrument ID: UX11 Level:(low/med) LOW

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

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	MW-105	HEN6F1AK	UXJ5401.D	07/11/05	18:08
02	MW-105 DUP	HEN6G1AA	UXJ5402.D	07/11/05	18:29
03	MW-G	HEN6P1AK	UXJ5403.D	07/11/05	18:50
04	MW-101	HEN6W1AK	UXJ5404.D	07/11/05	19:12
05	MW-109	HEN7D1AK	UXJ5405.D	07/11/05	19:33
06	MW-108	HEN7F1AK	UXJ5408.D	07/11/05	20:38
07	MW-103	HEN7H1AK	UXJ5409.D	07/11/05	20:59
08	MW-104	HEN7K1AK	UXJ5410.D	07/11/05	21:21
09	MW-402	HEN7M1AK	UXJ5411.D	07/11/05	21:42
10	INTRA-LAB QC	HEQ681AA	UXJ5400.D	07/11/05	17:47
11	LAB MS/MSD	HEQ681AC S	UXJ5406.D	07/11/05	19:55
12	LAB MS/MSD	HEQ681AD D	UXJ5407.D	07/11/05	20:16
13	CHECK SAMPLE	HE9CW1AC C	UXJ5388.D	07/11/05	13:22
14	DUPLICATE CHECK	HE9CW1AD L	UXJ5389.D	07/11/05	13:44
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F300251

Lab File ID: BFB178 BFB Injection Date: 06/22/05

Instrument ID: A3UX11 BFB Injection Time: 0945

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.0
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 100.0% of mass 95	85.9
175	5.0 - 9.0% of mass 174	6.0 (7.0)1
176	Greater than 95.0%, but less than 101.0% of mass 174	83.0 (96.6)1
177	5.0 - 9.0% of mass 176	5.5 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	5NG-IC	UXJ4771	06/22/05	1006
02	VSTD002	10NG-IC	UXJ4772	06/22/05	1028
03	VSTD005	25NG-IC	UXJ4773	06/22/05	1048
04	VSTD010	50NG-IC	UXJ4774	06/22/05	1110
05	VSTD040	200NG-IC	UXJ4776	06/22/05	1222
06	VSTD020	100NG-IC	UXJ4778	06/22/05	1306
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F300251

Lab File ID: BFB199 BFB Injection Date: 07/08/05

Instrument ID: A3UX11 BFB Injection Time: 0713

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	80.1
175	5.0 - 9.0% of mass 174	5.0 (6.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	76.5 (95.6)1
177	5.0 - 9.0% of mass 176	5.6 (7.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXJ5358	07/08/05	0742
02	HE32F-CHK	HE32F1AC	UXJ5360	07/08/05	0825
03	HE32F-CKDUP	HE32F1AD	UXJ5361	07/08/05	0846
04	HE32F-BLK	HE32F1AA	UXJ5362	07/08/05	0908
05	MW-301	HEN501AA	UXJ5382	07/08/05	1618
06	MW-13	HEN591AK	UXJ5383	07/08/05	1639
07	MW-106	HEN6D1AK	UXJ5384	07/08/05	1701
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F300251

Lab File ID: BFB200 BFB Injection Date: 07/11/05

Instrument ID: A3UX11 BFB Injection Time: 1102

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	49.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	78.0
175	5.0 - 9.0% of mass 174	5.4 (6.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	75.8 (97.2)1
177	5.0 - 9.0% of mass 176	5.1 (6.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXJ5387	07/11/05	1301
02	HE9CW-CHK	HE9CW1AC	UXJ5388	07/11/05	1322
03	HE9CW-CKDUP	HE9CW1AD	UXJ5389	07/11/05	1344
04	HE9CW-BLK	HE9CW1AA	UXJ5390	07/11/05	1412
05	MW-105	HEN6F1AK	UXJ5401	07/11/05	1808
06	MW-105 DUP	HEN6G1AA	UXJ5402	07/11/05	1829
07	MW-G	HEN6P1AK	UXJ5403	07/11/05	1850
08	MW-101	HEN6W1AK	UXJ5404	07/11/05	1912
09	MW-109	HEN7D1AK	UXJ5405	07/11/05	1933
10	MW-108	HEN7F1AK	UXJ5408	07/11/05	2038
11	MW-103	HEN7H1AK	UXJ5409	07/11/05	2059
12	MW-104	HEN7K1AK	UXJ5410	07/11/05	2121
13	MW-402	HEN7M1AK	UXJ5411	07/11/05	2142
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F300251

Lab File ID: BFB024 BFB Injection Date: 07/07/05

Instrument ID: A3UX15 BFB Injection Time: 0704

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	48.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	59.0
175	5.0 - 9.0% of mass 174	4.8 (8.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	56.7 (96.0)1
177	5.0 - 9.0% of mass 176	3.5 (6.2)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD040	200NG8260CAL	UXC0541	07/07/05	0749
02	VSTD020	100NG8260CAL	UXC0542	07/07/05	0812
03	VSTD010	50NG8260CAL	UXC0543	07/07/05	0835
04	VSTD005	25NG8260CAL	UXC0544	07/07/05	0859
05	VSTD002	10NG8260CAL	UXC0545	07/07/05	0922
06	VSTD001	5NG8260CAL	UXC0546	07/07/05	0945
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F300251

Lab File ID: BFB027 BFB Injection Date: 07/11/05

Instrument ID: A3UX15 BFB Injection Time: 0658

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 100.0% of mass 95	84.5
175	5.0 - 9.0% of mass 174	5.7 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	82.1 (97.2)1
177	5.0 - 9.0% of mass 176	5.0 (6.2)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXC0631	07/11/05	0743
02	HE897-CHK	HE8971AC	UXC0632	07/11/05	0806
03	HE897-CKDUP	HE8971AD	UXC0633	07/11/05	0829
04	HE897-BLK	HE8971AA	UXC0634	07/11/05	0852
05	MW-A	HEN611AK	UXC0644	07/11/05	1243
06	MW-112	HEN651AK	UXC0645	07/11/05	1305
07	MW-110	HEN681AK	UXC0646	07/11/05	1328
08	MW-401	HEN7P1AK	UXC0647	07/11/05	1350
09	MW-102	HEPDT1AK	UXC0648	07/11/05	1413
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F300251

Lab File ID (Standard): UXJ5358 Date Analyzed: 07/08/05

Instrument ID: A3UX11 Time Analyzed: 0742

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 (DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	1444318	7.64	920874	9.86	1644913	5.00
	UPPER LIMIT	2888636	8.14	1841748	10.36	3289826	5.50
	LOWER LIMIT	722159	7.14	460437	9.36	822457	4.50
	EPA SAMPLE NO.						
01	HE32F-CHK	1409380	7.64	889577	9.86	1579627	5.00
02	HE32F-CKDUP	1423035	7.64	899638	9.86	1602124	5.00
03	HE32F-BLK	1367816	7.64	840182	9.86	1566758	5.00
04	MW-301	1365525	7.64	823948	9.86	1527191	5.00
05	MW-13	1365426	7.64	829459	9.86	1528589	5.01
06	MW-106	1361542	7.64	839577	9.86	1548036	5.00
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

OA

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F300251

Lab File ID (Standard): UXJ5387 Date Analyzed: 07/11/05

Instrument ID: A3UX11 Time Analyzed: 1301

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 (DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	1639820	7.64	976434	9.86	1766939	4.98
	UPPER LIMIT	3279640	8.14	1952868	10.36	3533878	5.48
	LOWER LIMIT	819910	7.14	488217	9.36	883470	4.48
	EPA SAMPLE NO.						
01	HE9CW-CHK	1670770	7.64	951074	9.86	1814802	5.00
02	HE9CW-CKDUP	1664355	7.64	970437	9.86	1790884	5.00
03	HE9CW-BLK	1636268	7.64	925012	9.86	1781892	5.00
04	MW-105	1591950	7.64	901273	9.86	1714723	5.00
05	MW-105 DUP	1564999	7.64	903013	9.86	1709708	5.00
06	MW-G	1559350	7.64	900285	9.86	1686794	5.00
07	MW-101	1563378	7.64	926174	9.86	1724213	5.00
08	MW-109	1578918	7.64	887090	9.86	1662580	5.00
09	MW-108	1595188	7.64	921697	9.86	1718929	5.00
10	MW-103	1567260	7.64	908807	9.86	1701953	5.00
11	MW-104	1560631	7.64	894315	9.86	1671948	5.00
12	MW-402	1538405	7.64	877677	9.86	1714688	5.00
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A5F300251

Lab File ID (Standard): UXC0631 Date Analyzed: 07/11/05

Instrument ID: A3UX15 Time Analyzed: 0743

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1 (CBZ) AREA #	RT	IS2 (DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	654825	7.35	372077	9.57	1022792	4.72
	UPPER LIMIT	1309650	7.85	744154	10.07	2045584	5.22
	LOWER LIMIT	327413	6.85	186039	9.07	511396	4.22
	EPA SAMPLE NO.						
01	HE897-CHK	682907	7.35	363600	9.57	1051026	4.72
02	HE897-CKDUP	725870	7.35	372532	9.57	1105157	4.72
03	HE897-BLK	658481	7.35	342760	9.57	1044876	4.72
04	MW-A	588396	7.35	310025	9.57	931578	4.72
05	MW-112	604093	7.35	322938	9.57	943665	4.72
06	MW-110	614702	7.35	322068	9.57	966064	4.72
07	MW-401	611649	7.35	317572	9.57	953762	4.72
08	MW-102	598822	7.35	319333	9.57	937286	4.72
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk.

FORM VIII VOA 1/87 Rev.

SAMPLE DATA

Matrix Environmental, Inc.

Client Sample ID: MW-301

GC/MS Volatiles

Lot-Sample #...: A5F300251-001 **Work Order #...:** HEN501AA **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05
Prep Date.....: 07/08/05 **Analysis Date..:** 07/08/05
Prep Batch #...: 5189202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5382.D
Report Date: 11-Jul-2005 08:48

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5382.D
Lab Smp Id: HEN501AA Client Smp ID: MW-301
Inj Date : 08-JUL-2005 16:18
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN501AA,5ML/5ML
Misc Info : J50708A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m
Meth Date : 08-Jul-2005 08:53 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.996	(1.000)	1527191	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1365525	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	823948	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.440	(0.889)	343287	47.5254	9.505
$ 5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	467390	48.7356	9.747
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1527547	50.8600	10.172
$ 7 Bromofluorobenzene	95	8.735	8.735	(1.144)	736064	49.9004	9.980
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.648	1.659	(0.330)	9917	1.05942	0.2119
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

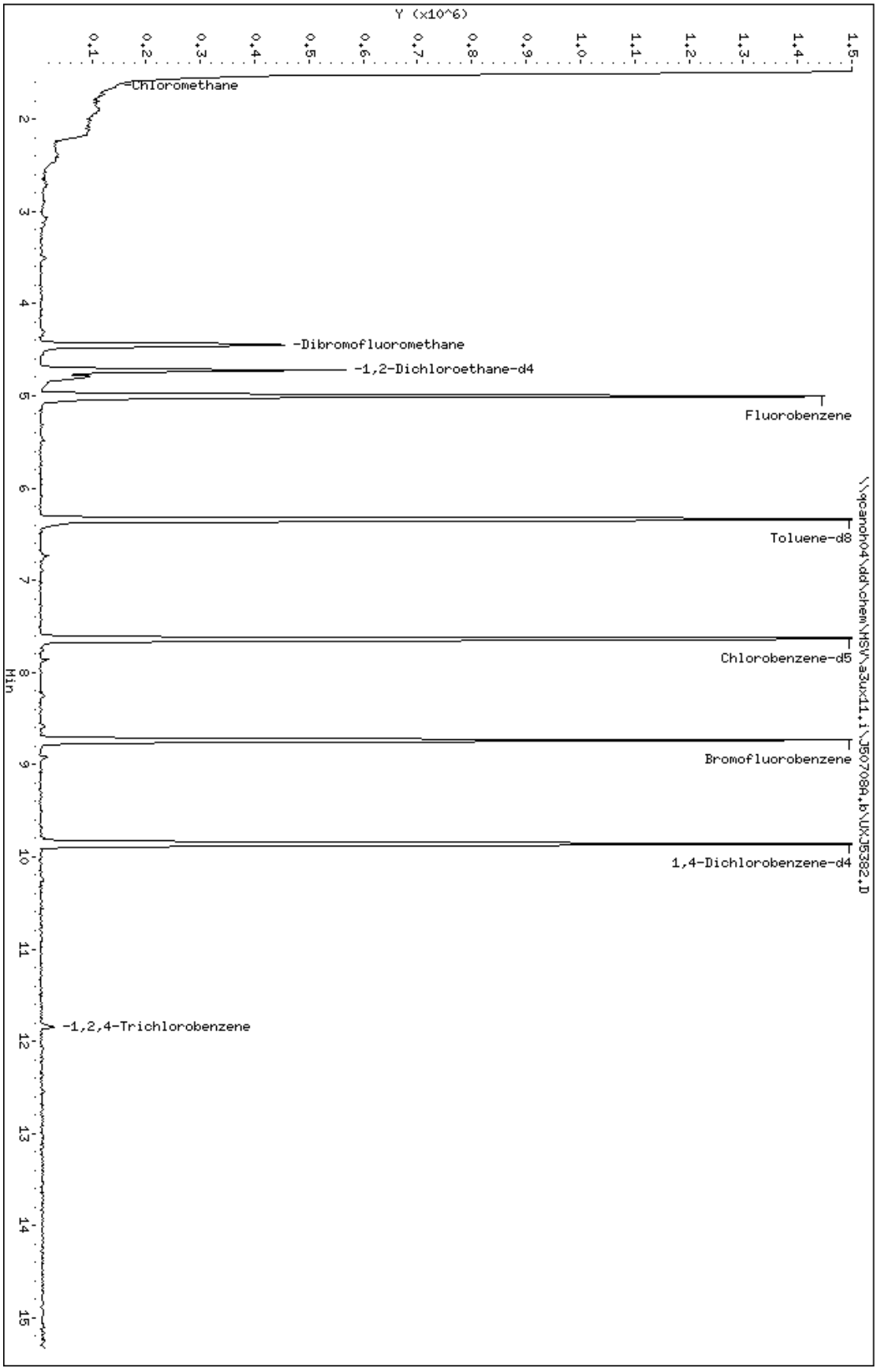
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5382.D
Report Date: 11-Jul-2005 08:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5382.D
Report Date: 11-Jul-2005 08:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	8921	1.03149	0.2063
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5382.D
Date : 08-JUL-2005 16:18
Client ID: MW-301
Sample Info: HEN501AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
Chloromethane
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5382.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5382.D

Date : 08-JUL-2005 16:18

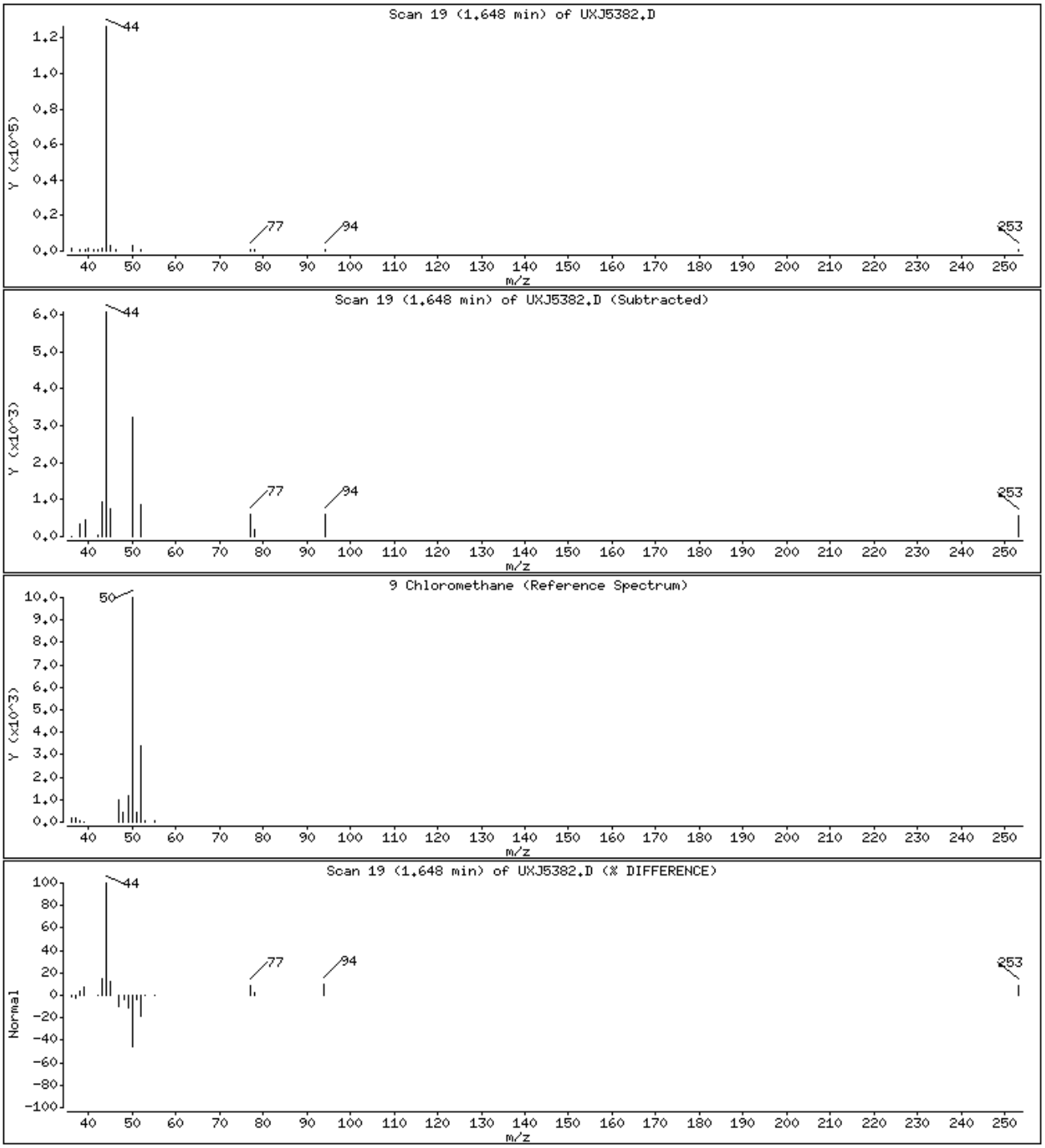
Client ID: MW-301 Instrument: a3ux11.i

Sample Info: HEN501AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

9 Chloromethane Concentration: 0.2119 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5382.D

Date : 08-JUL-2005 16:18

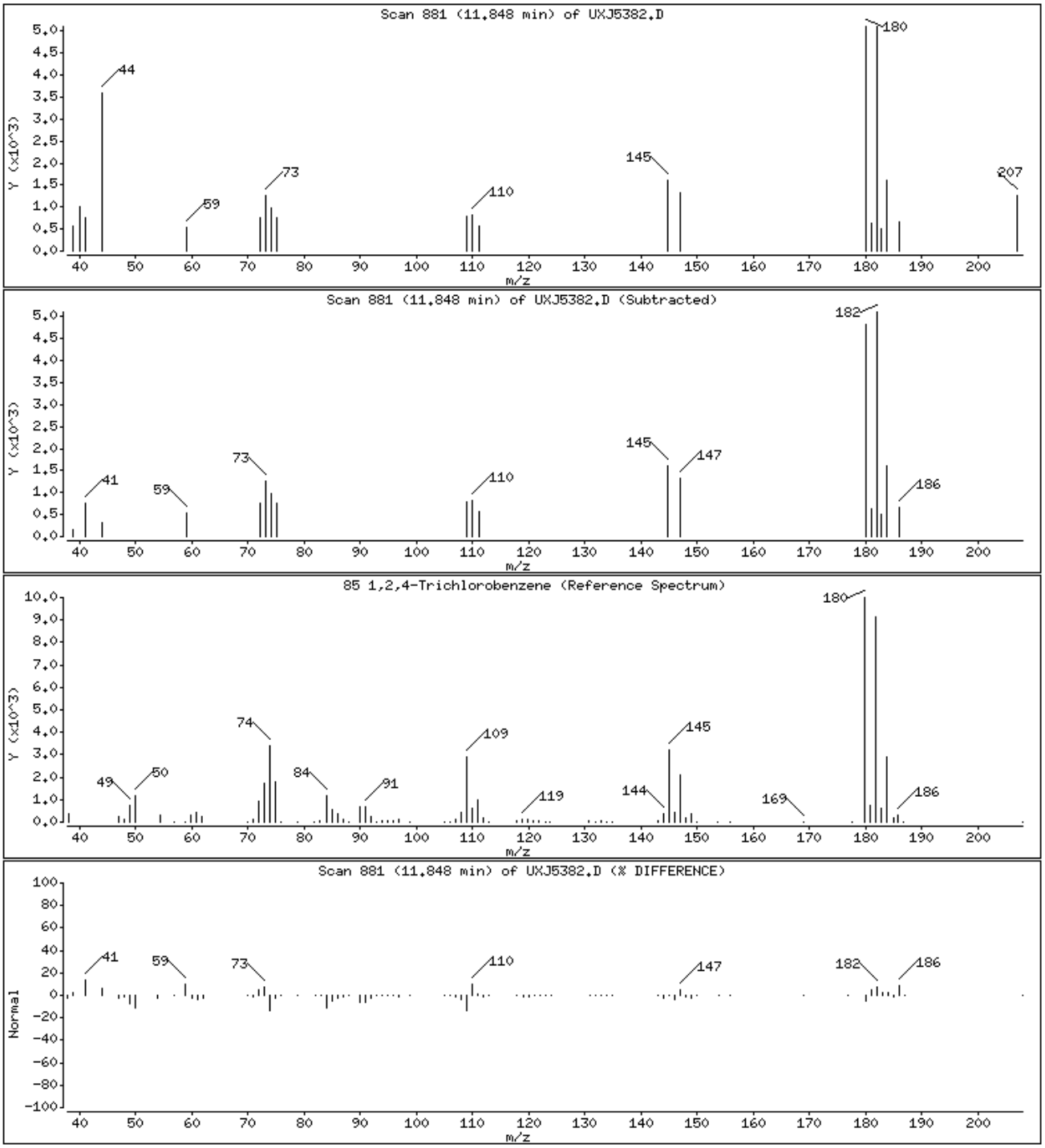
Client ID: MW-301 Instrument: a3ux11.i

Sample Info: HEN501AA,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.2063 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-B

GC/MS Volatiles

Lot-Sample #...: A5F300251-002 **Work Order #...:** HEN591AK **Matrix.....:** WG
Date Sampled...: 06/28/05 13:17 **Date Received..:** 06/30/05
Prep Date.....: 07/08/05 **Analysis Date..:** 07/08/05
Prep Batch #...: 5189202
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	98	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5383.D
Report Date: 11-Jul-2005 08:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5383.D
Lab Smp Id: HEN591AK Client Smp ID: MW-13
Inj Date : 08-JUL-2005 16:39
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN591AK,5ML/5ML
Misc Info : J50708A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m
Meth Date : 08-Jul-2005 08:53 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	5.008	4.996	(1.000)	1528589	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1365426	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	829459	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.440	(0.887)	340562	47.1050	9.421
$ 5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.943)	469774	48.9393	9.788
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1521349	50.6573	10.131
$ 7 Bromofluorobenzene	95	8.735	8.735	(1.144)	746904	50.6389	10.128
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5383.D
Report Date: 11-Jul-2005 08:49

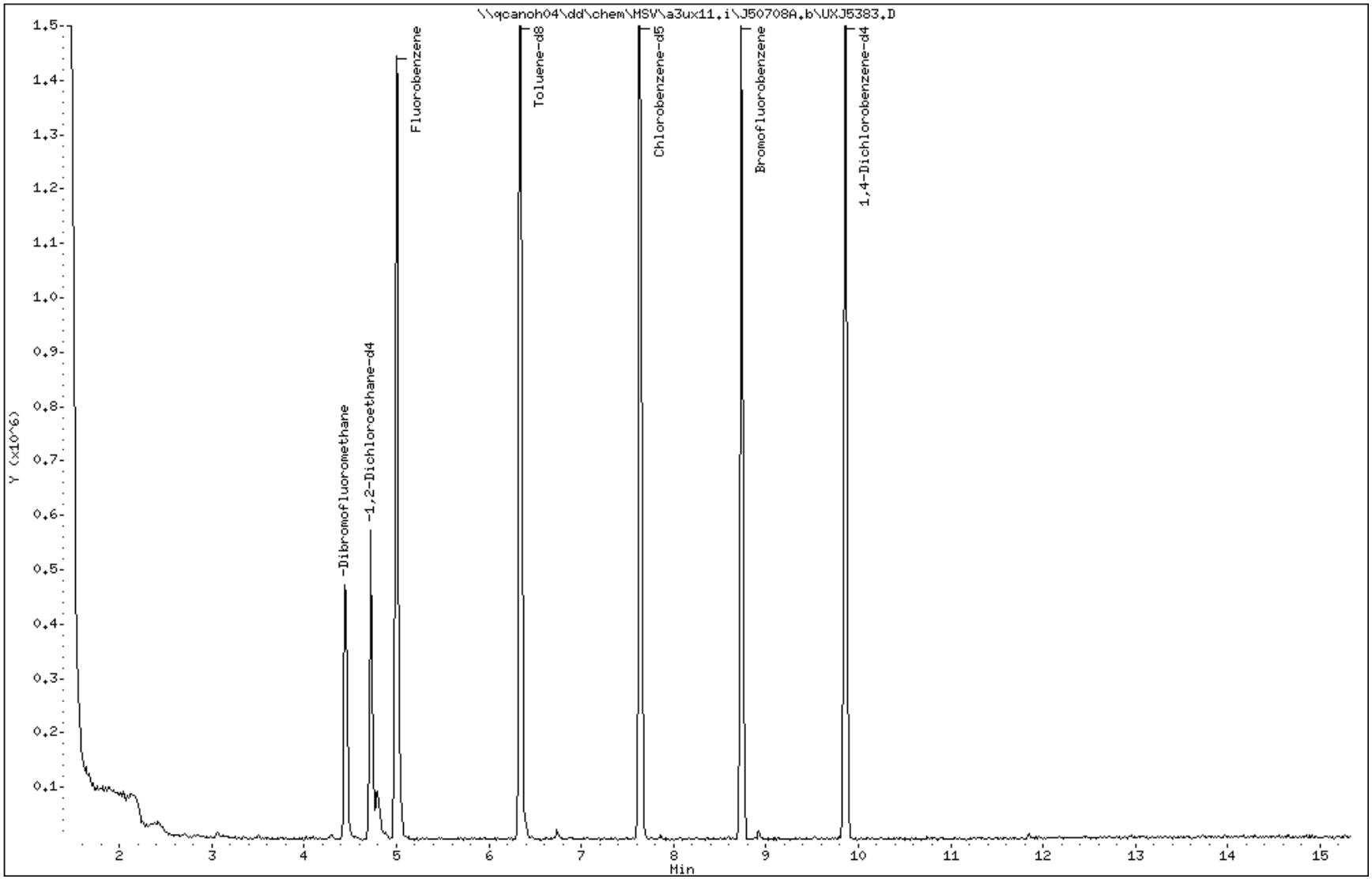
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5383.D
Report Date: 11-Jul-2005 08:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5383.D
Date : 08-JUL-2005 16:39
Client ID: MW-13
Instrument: a3ux11.i
Sample Info: HEN591AK,5ML/5ML
Purge Volume: 5.0
Operator: 43582
Column phase: DB624
Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-106

GC/MS Volatiles

Lot-Sample #...: A5F300251-003 **Work Order #...:** HEN6D1AK **Matrix.....:** WG
Date Sampled...: 06/28/05 11:40 **Date Received..:** 06/30/05
Prep Date.....: 07/08/05 **Analysis Date..:** 07/08/05
Prep Batch #...: 5189202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	95	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	99	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5384.D
Report Date: 11-Jul-2005 08:49

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5384.D
Lab Smp Id: HEN6D1AK Client Smp ID: MW-106
Inj Date : 08-JUL-2005 17:01
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN6D1AK,5ML/5ML
Misc Info : J50708A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m
Meth Date : 08-Jul-2005 08:53 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1548036	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1361542	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	839577	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	346349	47.3036	9.461
$ 5	1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	461891	47.5136	9.503
$ 6	Toluene-d8	98	6.334	6.333	(0.830)	1510810	50.4499	10.090
$ 7	Bromofluorobenzene	95	8.736	8.735	(1.144)	726445	49.3923	9.878
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	96	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5384.D
Report Date: 11-Jul-2005 08:49

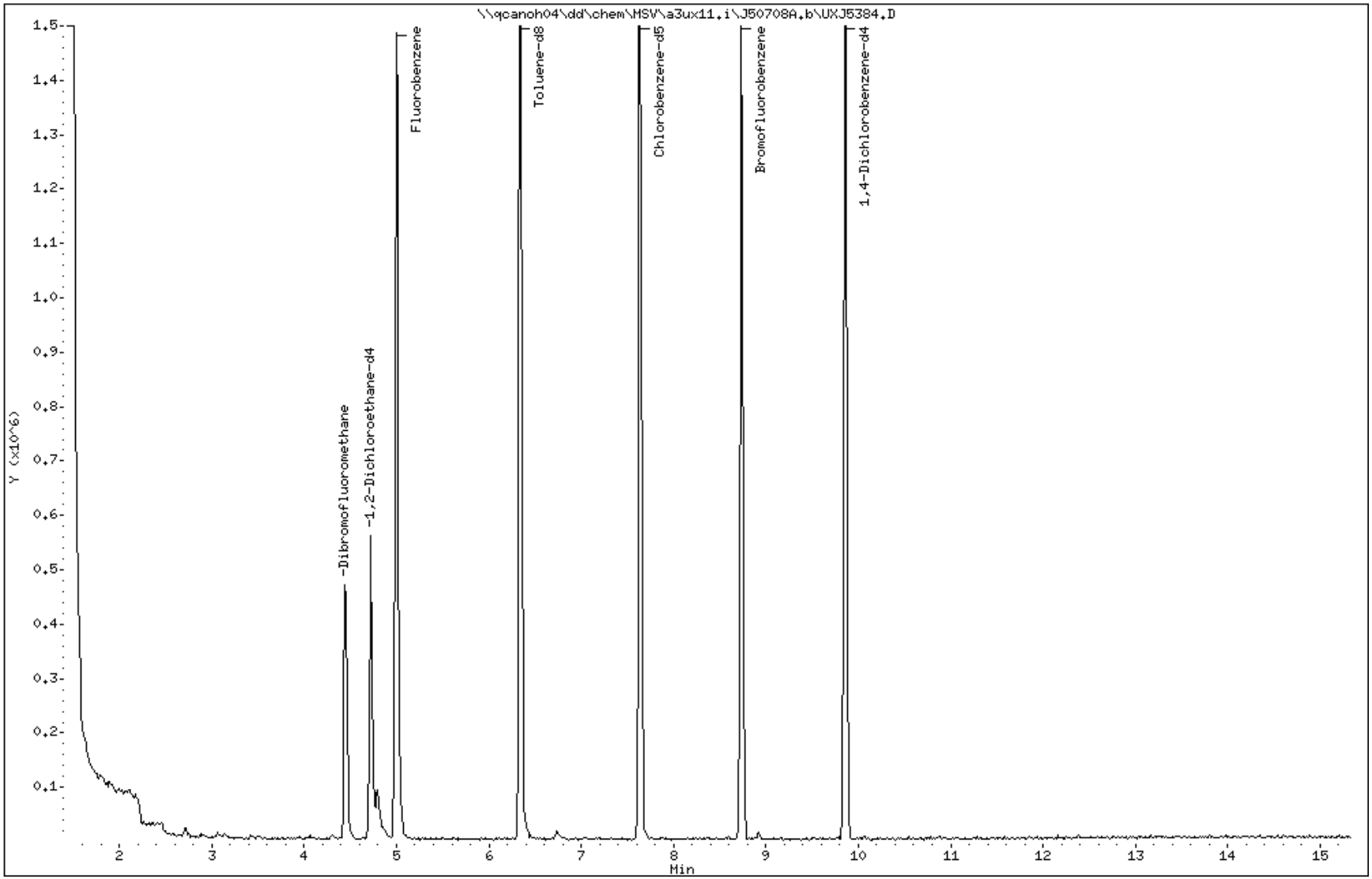
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5384.D
Report Date: 11-Jul-2005 08:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5384.D
Date : 08-JUL-2005 17:01
Client ID: MW-106
Instrument: a3ux11.i
Sample Info: HEN6D1AK,5ML/5ML
Purge Volume: 5.0
Operator: 43582
Column phase: DB624
Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-105

GC/MS Volatiles

Lot-Sample #...: A5F300251-004 **Work Order #...:** HEN6F1AK **Matrix.....:** WG
Date Sampled...: 06/28/05 11:15 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5401.D
Report Date: 12-Jul-2005 09:25

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5401.D
Lab Smp Id: HEN6F1AK Client Smp ID: MW-105
Inj Date : 11-JUL-2005 18:08
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN6F1AK,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1714723	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1591950	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.859	9.859	(1.000)	901273	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	376790	46.4587	9.292
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	537862	49.9501	9.990
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1708078	48.7820	9.756
$ 7 Bromofluorobenzene	95	8.735	8.735	(1.144)	809052	47.0473	9.409
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5401.D
Report Date: 12-Jul-2005 09:25

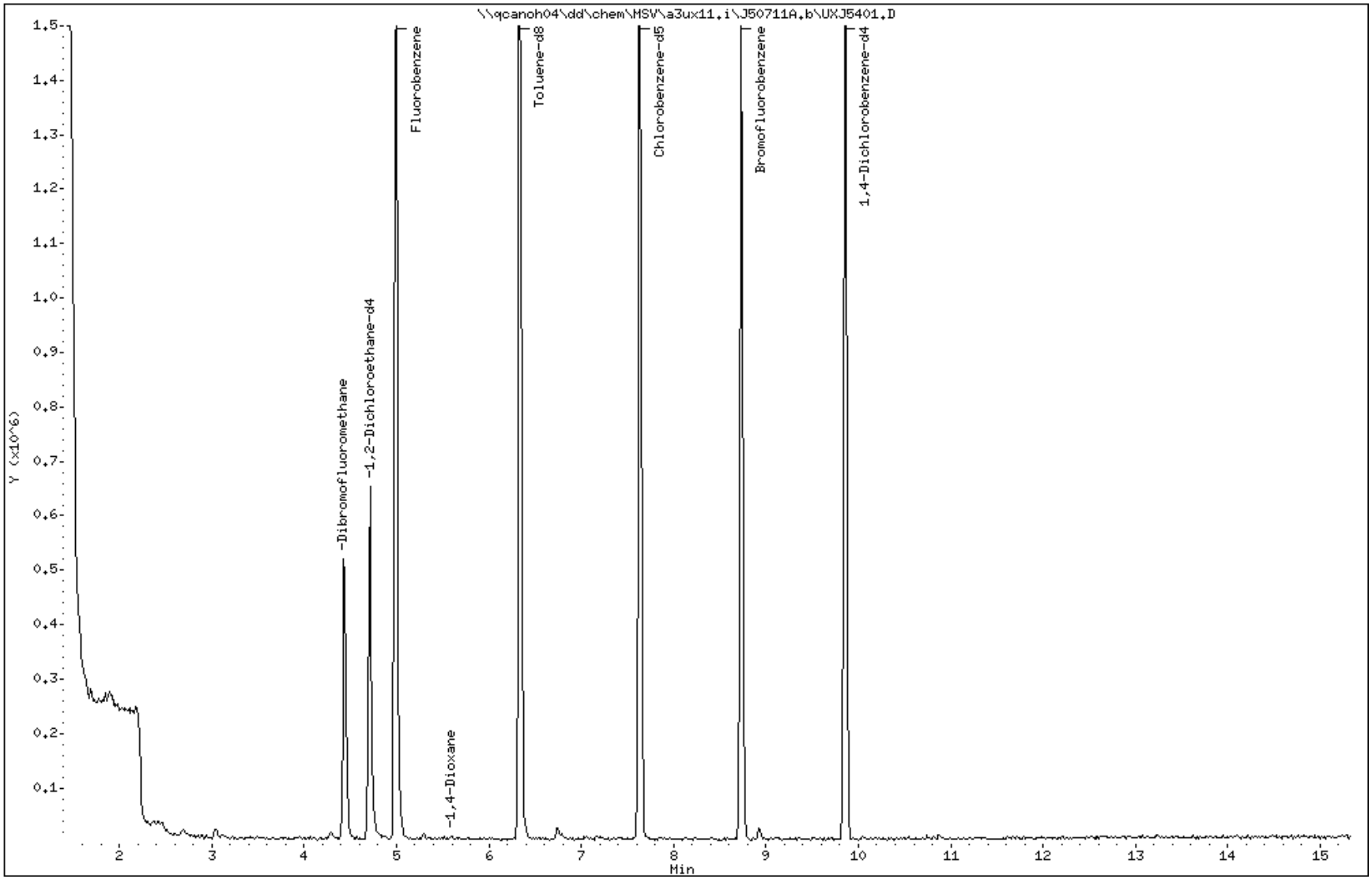
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.576	5.588	(1.116)	5199	72.6201	14.524
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5401.D
Report Date: 12-Jul-2005 09:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5401.D
Date : 11-JUL-2005 18:08
Client ID: MW-105 Instrument: a3ux11.i
Sample Info: HEN6F1AK,5ML/5ML
Purge Volume: 5.0 Operator: 43582
Column phase: DB624 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5401.D

Date : 11-JUL-2005 18:08

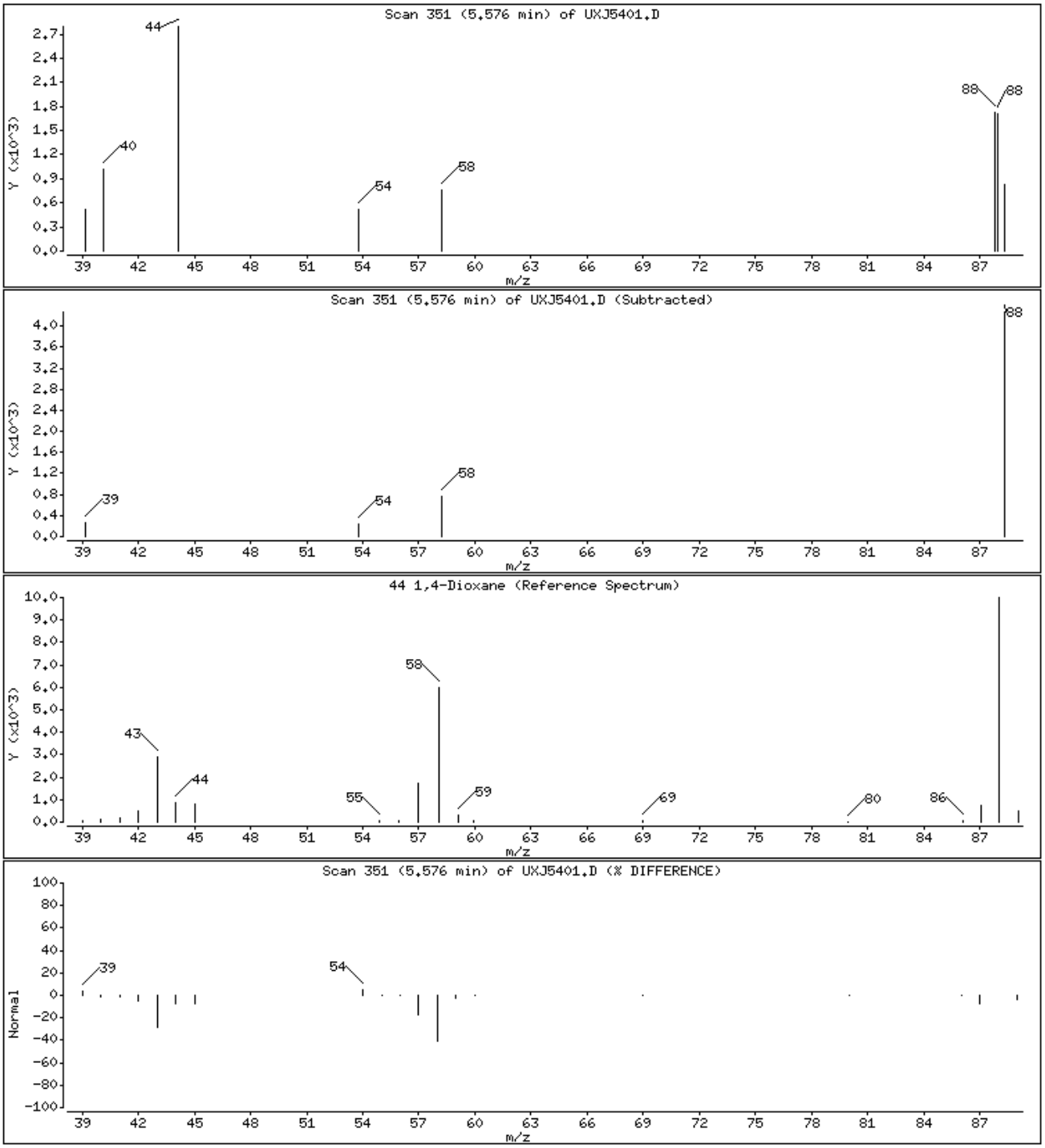
Client ID: MW-105 Instrument: a3ux11.i

Sample Info: HEN6F1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 14.524 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-105 DUP

GC/MS Volatiles

Lot-Sample #...: A5F300251-005 **Work Order #...:** HEN6G1AA **Matrix.....:** WG
Date Sampled...: 06/28/05 11:15 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	101	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5402.D
Report Date: 12-Jul-2005 09:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5402.D
Lab Smp Id: HEN6G1AA Client Smp ID: MW-105 DUP
Inj Date : 11-JUL-2005 18:29
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN6G1AA,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.996	4.984	(1.000)	1709708	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1564999	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	903013	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.428	(0.889)	386576	47.8051	9.561
$ 5	1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	535181	49.8469	9.969
$ 6	Toluene-d8	98	6.333	6.333	(0.830)	1738060	50.4931	10.099
$ 7	Bromofluorobenzene	95	8.735	8.735	(1.144)	801374	47.4034	9.481
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	1.624	1.624	(0.325)	7385	0.70471	0.1409
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	96	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

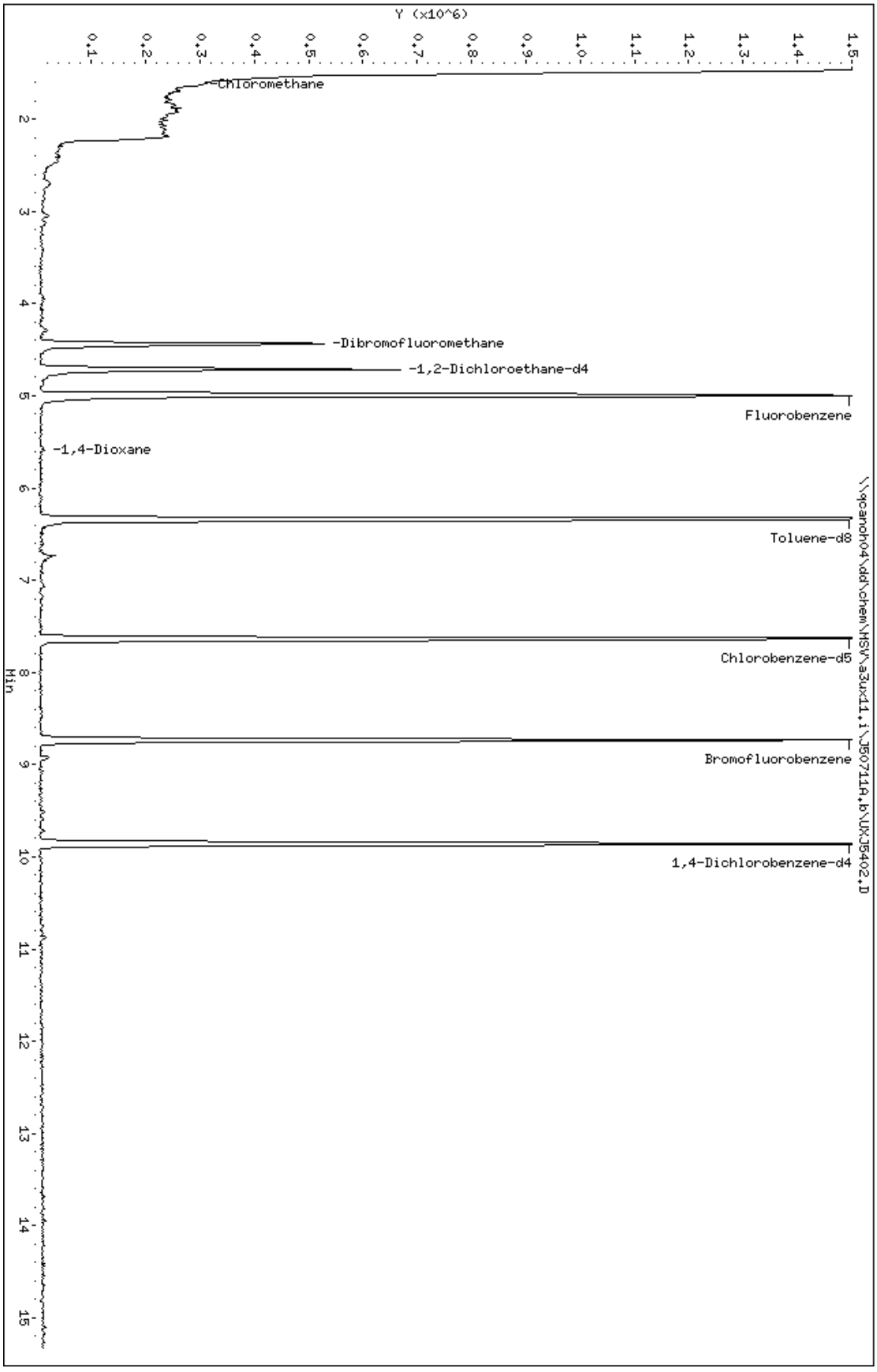
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5402.D
Report Date: 12-Jul-2005 09:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.588	5.588	(1.118)	4024	56.3725	11.274
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5402.D
Report Date: 12-Jul-2005 09:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5402.D
Date : 11-JUL-2005 18:29
Client ID: MW-105 DUP
Sample Info: HEN6G1AA,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Chloromethane
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5402.D
Min

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5402.D

Date : 11-JUL-2005 18:29

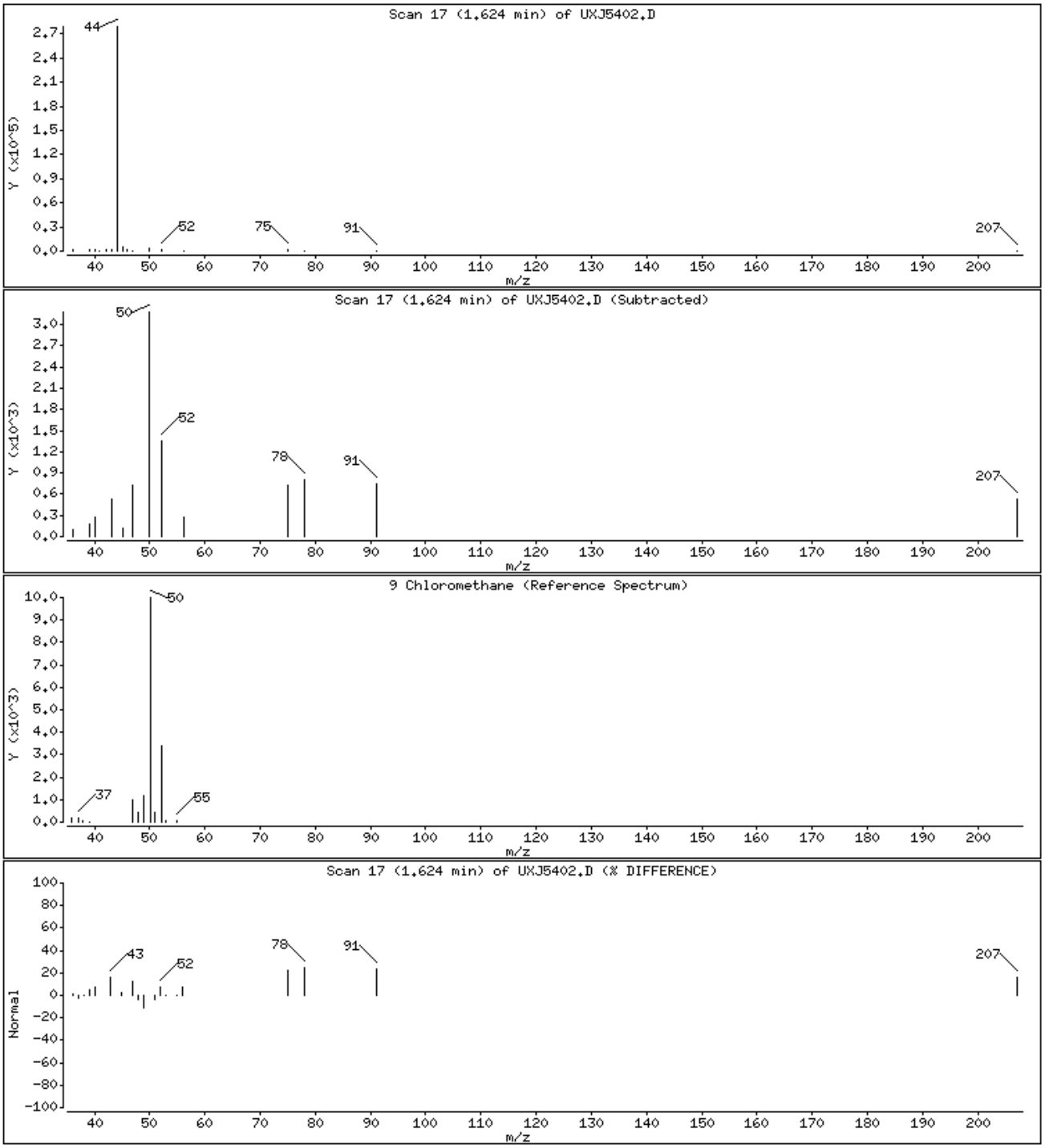
Client ID: MW-105 DUP | Instrument: a3ux11.i

Sample Info: HEN6G1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

9 Chloromethane | Concentration: 0.1409 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5402.D

Date : 11-JUL-2005 18:29

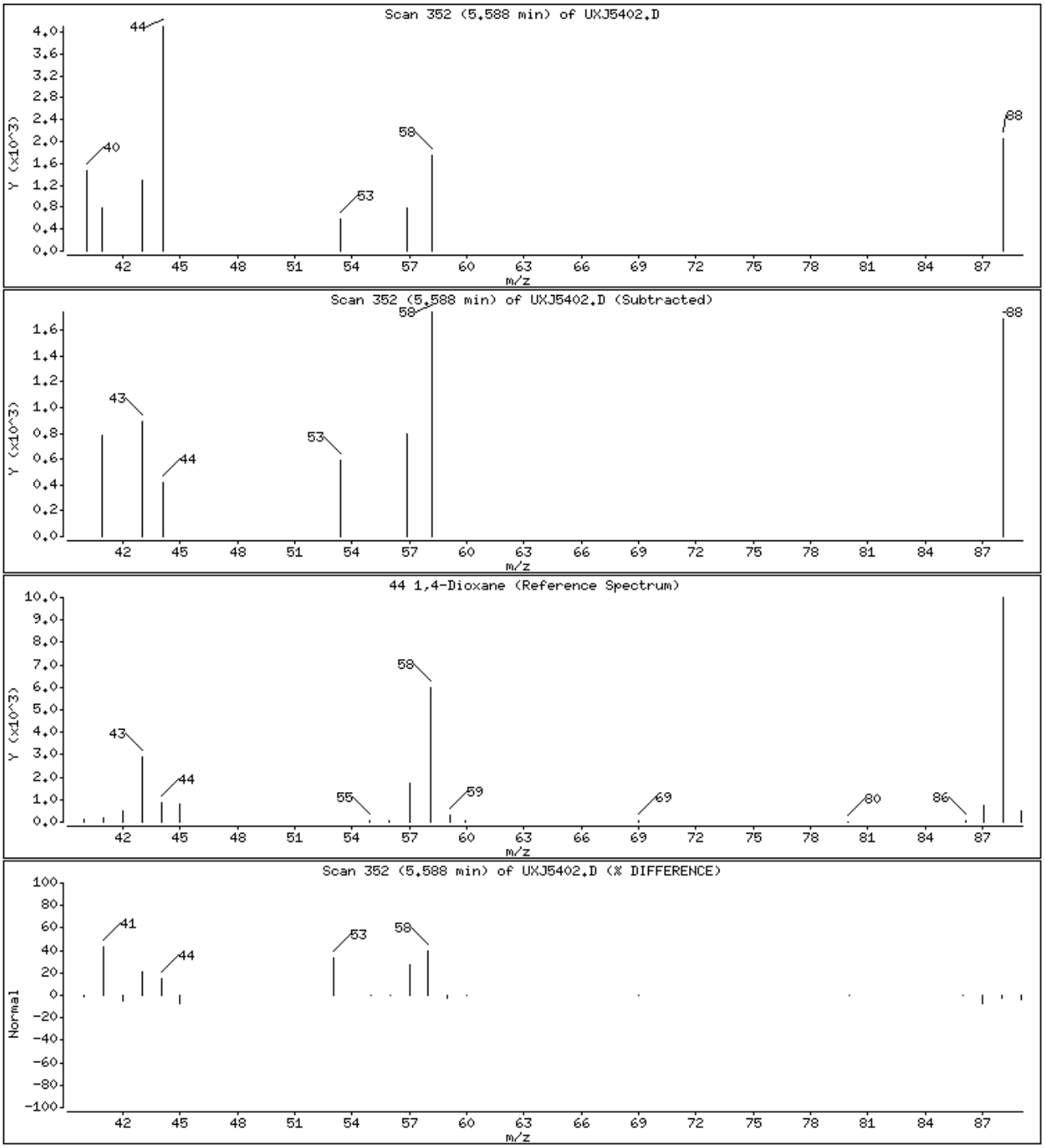
Client ID: MW-105 DUP | Instrument: a3ux11.i

Sample Info: HEN6G1AA,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

44 1,4-Dioxane | Concentration: 11.274 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-G

GC/MS Volatiles

Lot-Sample #...: A5F300251-006 **Work Order #...:** HEN6P1AK **Matrix.....:** WG
Date Sampled...: 06/28/05 14:30 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5403.D
Report Date: 12-Jul-2005 09:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5403.D
Lab Smp Id: HEN6P1AK Client Smp ID: MW-G
Inj Date : 11-JUL-2005 18:50
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN6P1AK,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1686794	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1559350	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	900285	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	384092	48.1432	9.629
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	546324	51.5760	10.315
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1677849	48.9204	9.784
$ 7 Bromofluorobenzene	95	8.735	8.735	(1.144)	814503	48.3545	9.671
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.647	1.624	(0.330)	8027	0.77637	0.1553
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5403.D
Report Date: 12-Jul-2005 09:26

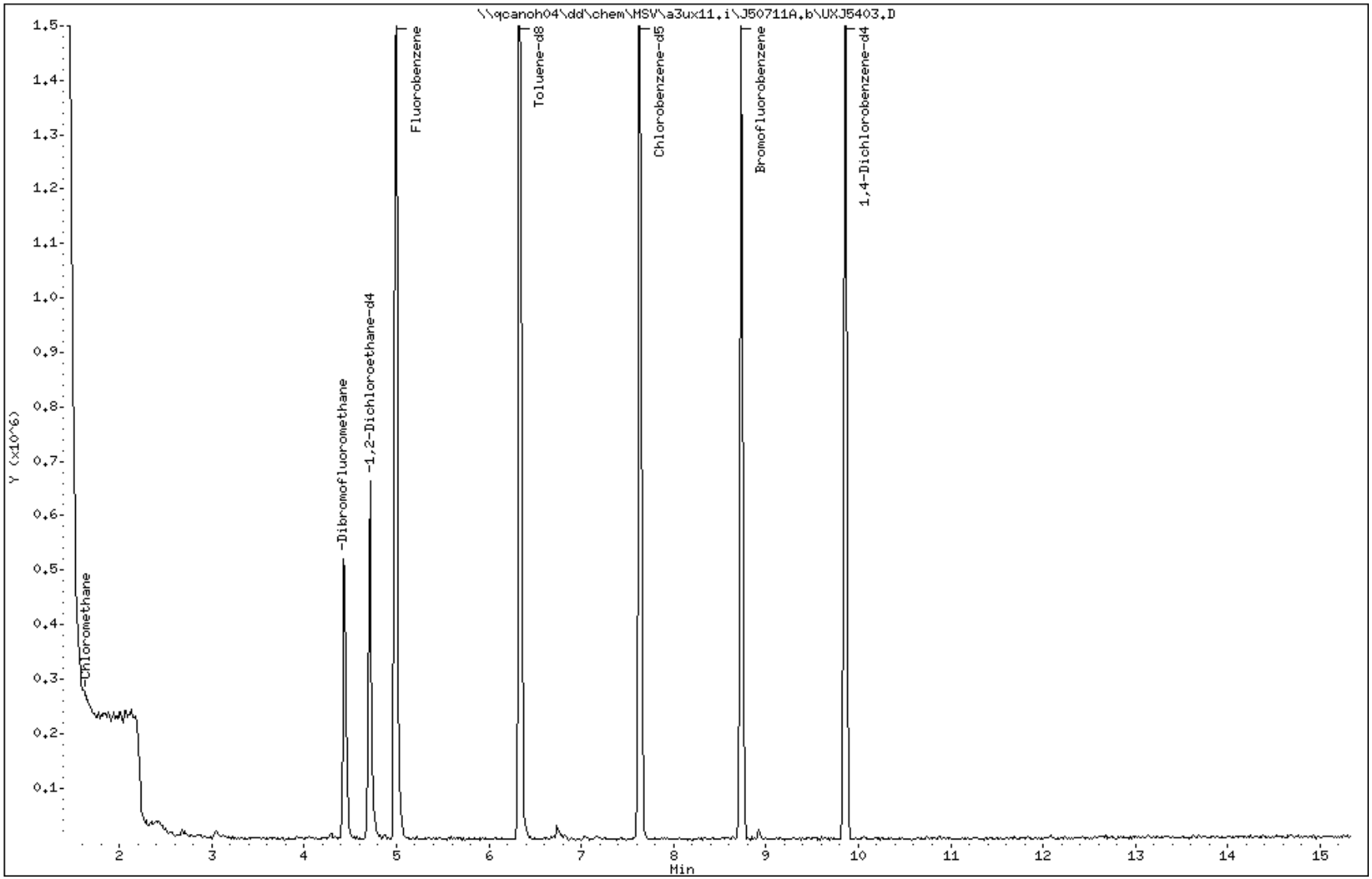
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5403.D
Report Date: 12-Jul-2005 09:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5403.D
Date : 11-JUL-2005 18:50
Client ID: MW-G
Instrument: a3ux11.i
Sample Info: HEN6P1AK,5ML/5ML
Purge Volume: 5.0
Operator: 43582
Column phase: DB624
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5403.D

Date : 11-JUL-2005 18:50

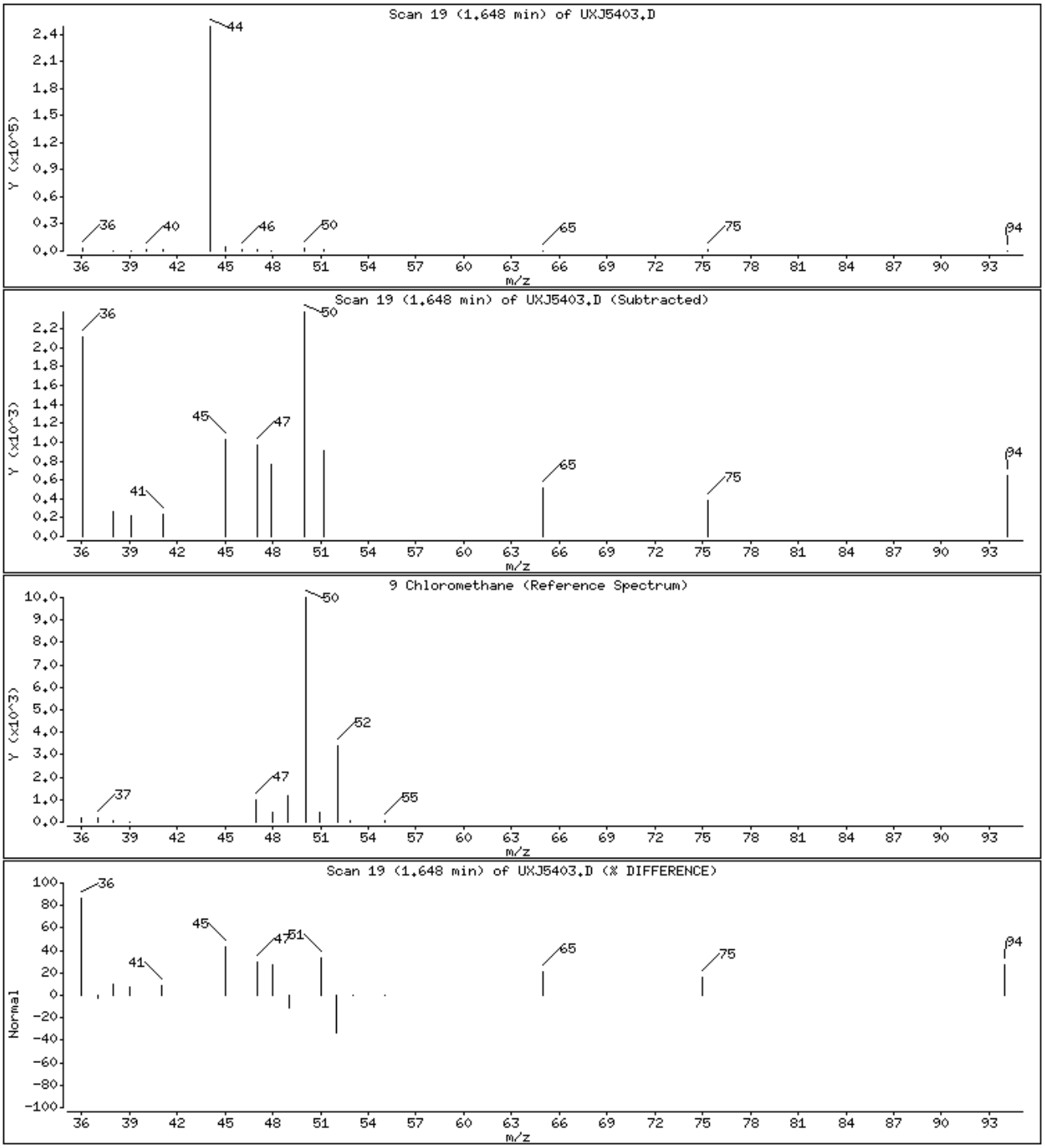
Client ID: MW-G | Instrument: a3ux11.i

Sample Info: HEN6P1AK,5ML/5ML

Purge Volume: 5.0 | Operator: 43582

Column phase: DB624 | Column diameter: 0.18

9 Chloromethane | Concentration: 0.1553 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-101

GC/MS Volatiles

Lot-Sample #...: A5F300251-007 **Work Order #...:** HEN6W1AK **Matrix.....:** WG
Date Sampled...: 06/28/05 17:40 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5404.D
Report Date: 12-Jul-2005 09:26

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5404.D
Lab Smp Id: HEN6W1AK Client Smp ID: MW-101
Inj Date : 11-JUL-2005 19:12
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN6W1AK,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1724213	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1563378	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	926174	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	384673	47.1696	9.434
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	535432	49.4508	9.890
$ 6 Toluene-d8	98	6.334	6.333	(0.830)	1697174	49.3564	9.871
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	808366	47.8665	9.573
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5404.D
Report Date: 12-Jul-2005 09:26

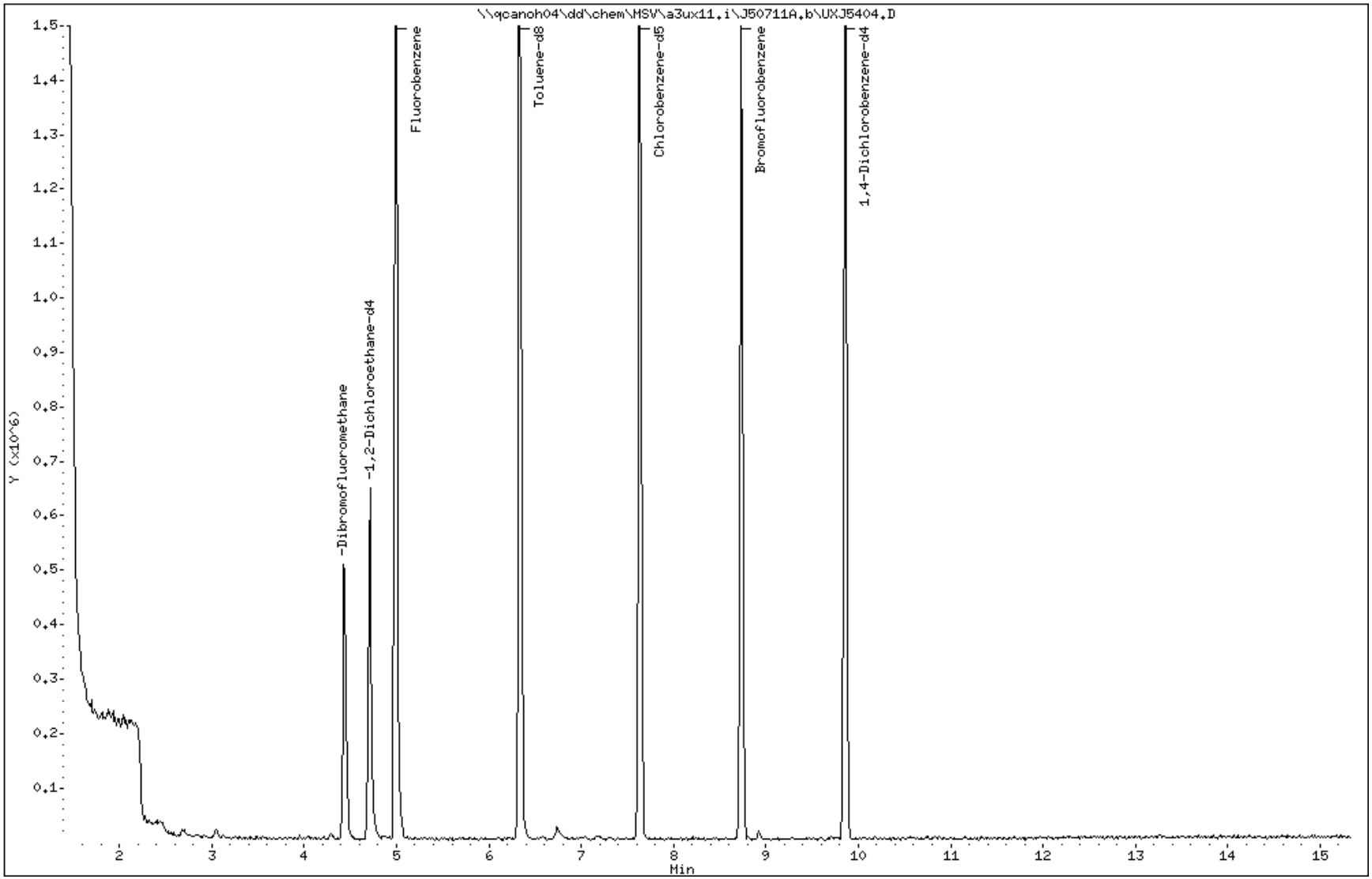
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5404.D
Report Date: 12-Jul-2005 09:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5404.D
Date : 11-JUL-2005 19:12
Client ID: MW-101 Instrument: a3ux11.i
Sample Info: HEN6W1AK,5ML/5ML
Purge Volume: 5.0 Operator: 43582
Column phase: DB624 Column diameter: 0.18



Matrix Environmental, Inc.

Client Sample ID: MW-A

GC/MS Volatiles

Lot-Sample #...: A5F300251-008 **Work Order #...:** HEN611AK **Matrix.....:** WG
Date Sampled...: 06/28/05 08:25 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193076
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.84 J**	**10**	**ug/L**	**0.74**
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	**2.0**	**1.0**	**ug/L**	**0.21**
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0644.D
Report Date: 11-Jul-2005 13:10

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0644.D
Lab Smp Id: HEN611AK Client Smp ID: MW-A
Inj Date : 11-JUL-2005 12:43
Operator : 1754 Inst ID: a3ux15.i
Smp Info : HEN611AK,5ML/5ML
Misc Info : C50711A,8260LLUX15,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	931578	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	588396	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.565	9.566	(1.000)	310025	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.158	(0.882)	203262	55.6259	11.125
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	248151	57.0395	11.408
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	635735	49.4573	9.891
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	211622	46.1945	9.239
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.312	1.312	(0.278)	7572	2.46391	0.4928
10 Vinyl Chloride	62	1.407	1.407	(0.298)	30405	10.0853	2.017
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.355	2.356	(0.500)	9731	4.17850	0.8357
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0644.D
Report Date: 11-Jul-2005 13:10

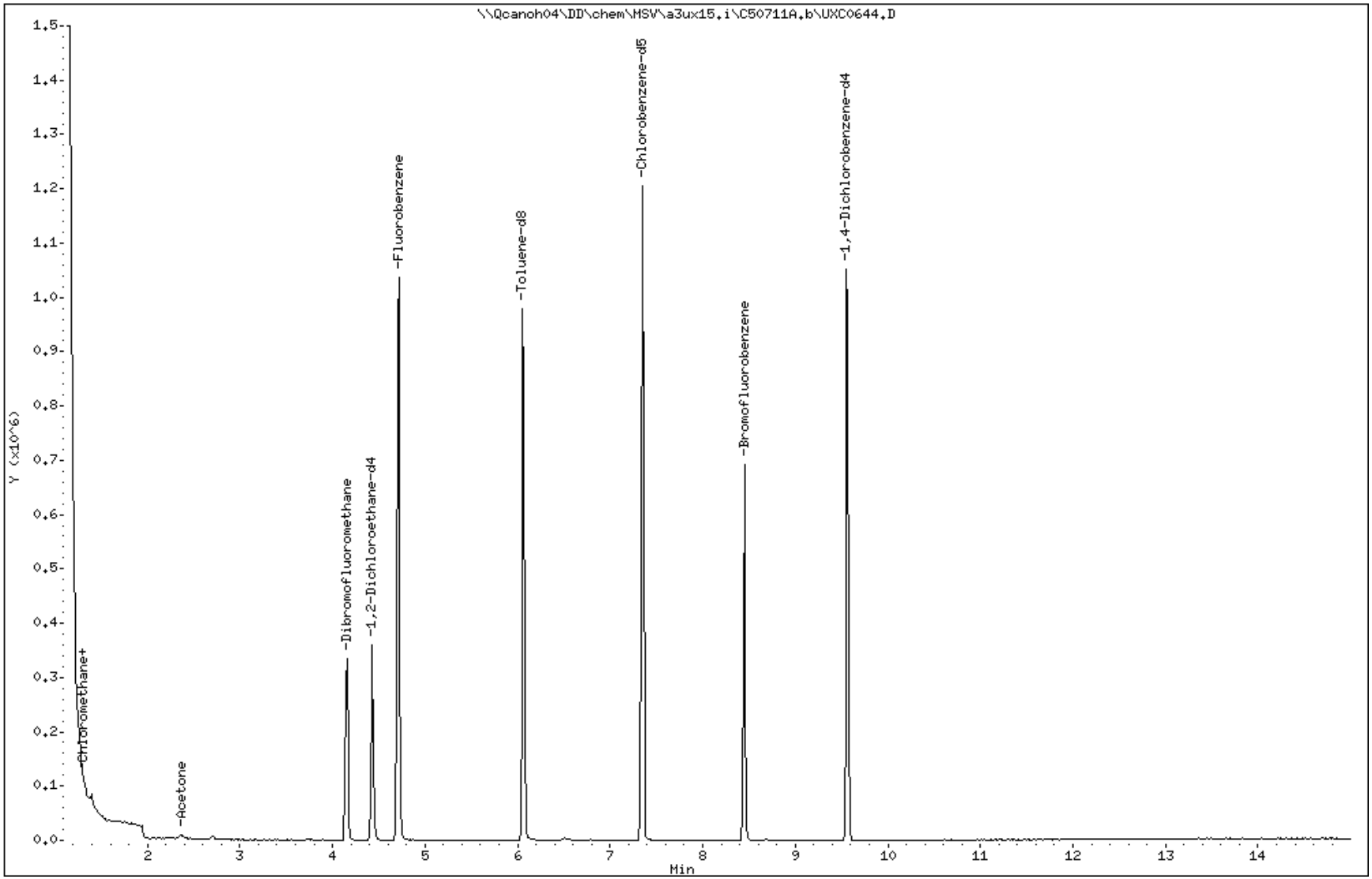
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0644.D
Report Date: 11-Jul-2005 13:10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0644.D
Date : 11-JUL-2005 12:43
Client ID: MW-A
Instrument: a3ux15.i
Sample Info: HEN611AK,5ML/5ML
Purge Volume: 5.0
Operator: 1754
Column phase: DB624
Column diameter: 0.18



Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0644.D

Date : 11-JUL-2005 12:43

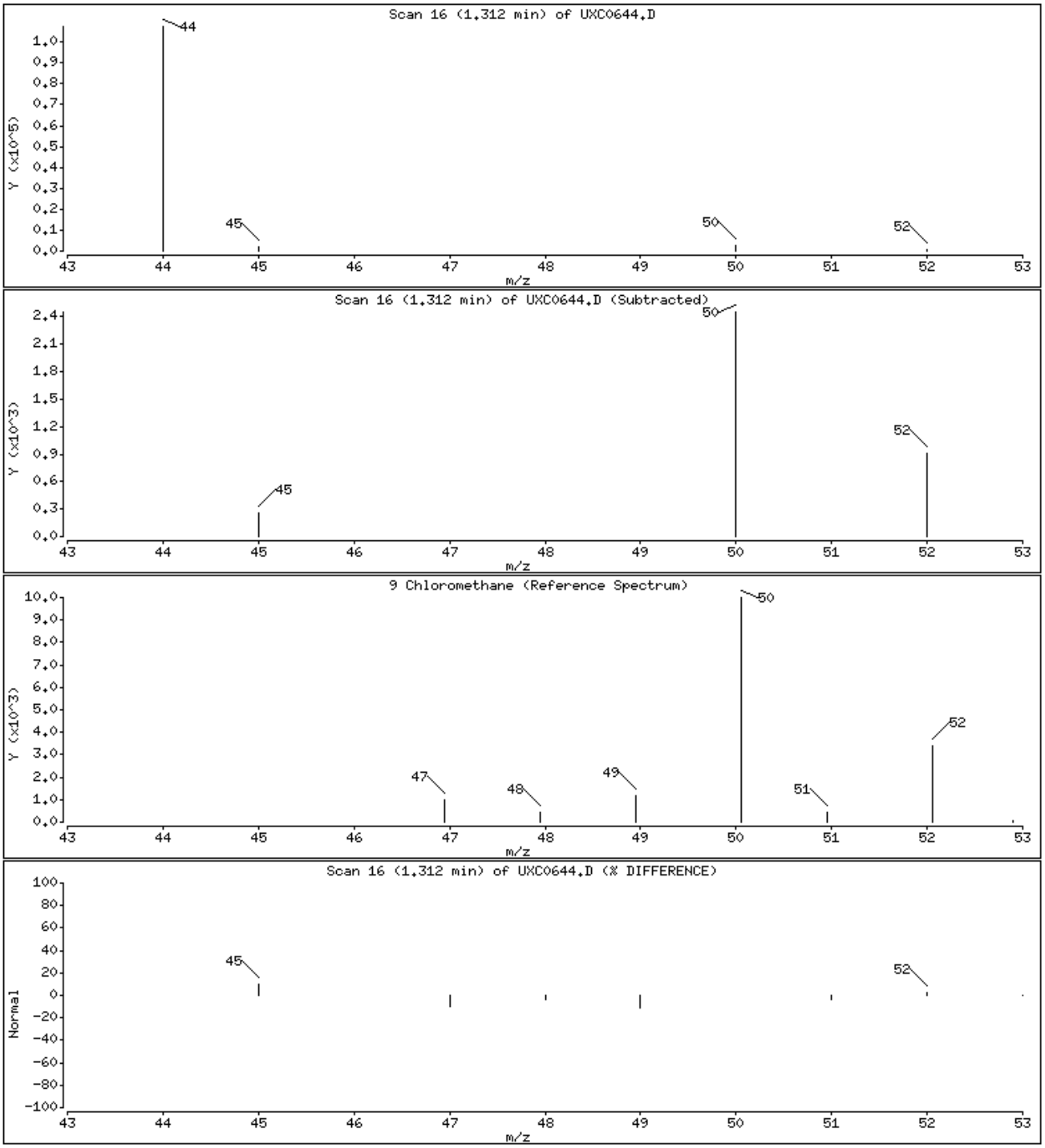
Client ID: MW-A | Instrument: a3ux15.i

Sample Info: HEN611AK,5ML/5ML

Purge Volume: 5.0 | Operator: 1754

Column phase: DB624 | Column diameter: 0.18

9 Chloromethane | Concentration: 0.4928 ug/L



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Date : 11-JUL-2005 12:43

Client ID: MW-A

Instrument: a3ux15.i

Sample Info: HEN611AK,5ML/5ML

Purge Volume: 5.0

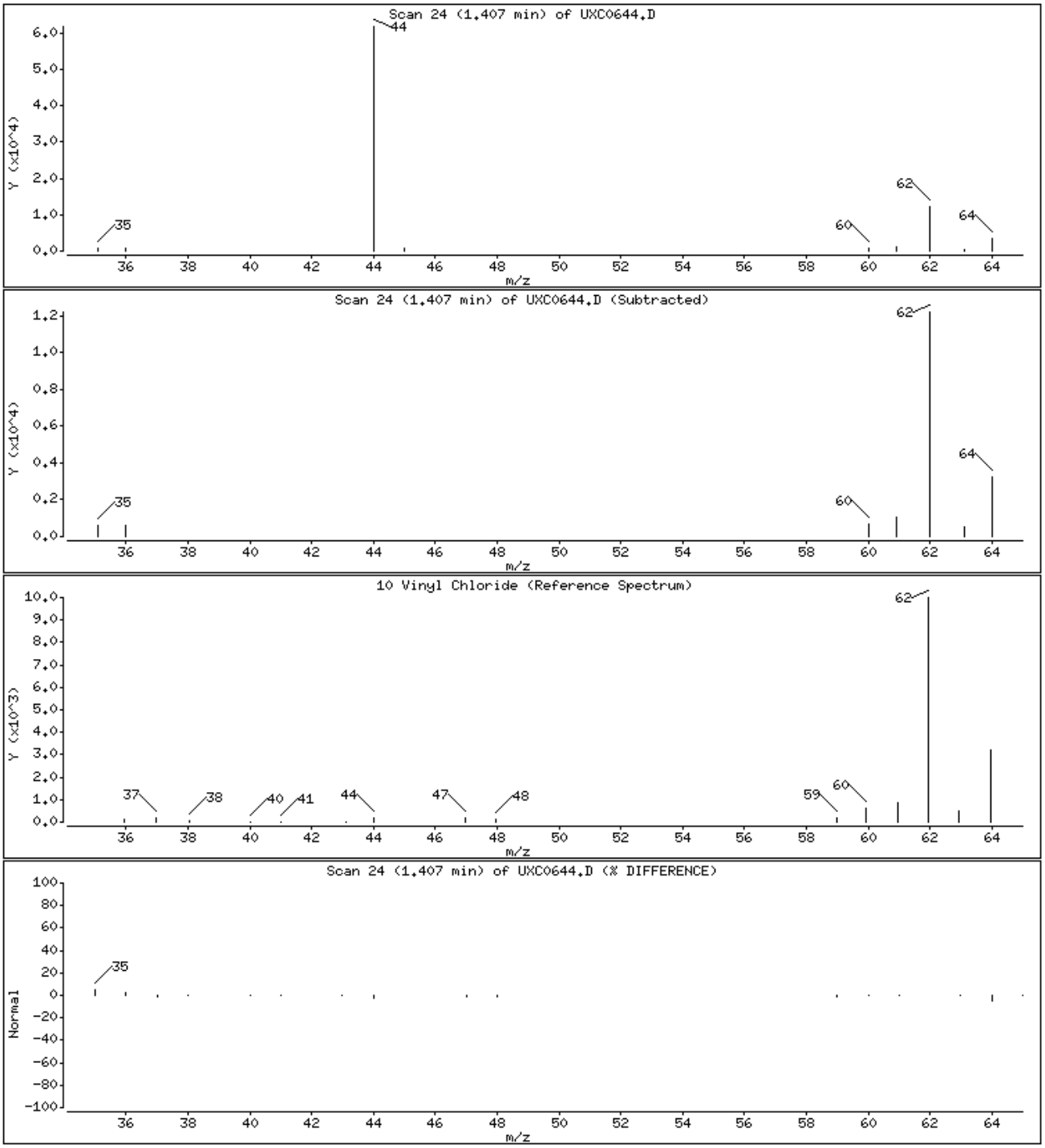
Operator: 1754

Column phase: DB624

Column diameter: 0.18

10 Vinyl Chloride

Concentration: 2.017 ug/L



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Date : 11-JUL-2005 12:43

Client ID: MW-A

Instrument: a3ux15.i

Sample Info: HEN611AK,5ML/5ML

Purge Volume: 5.0

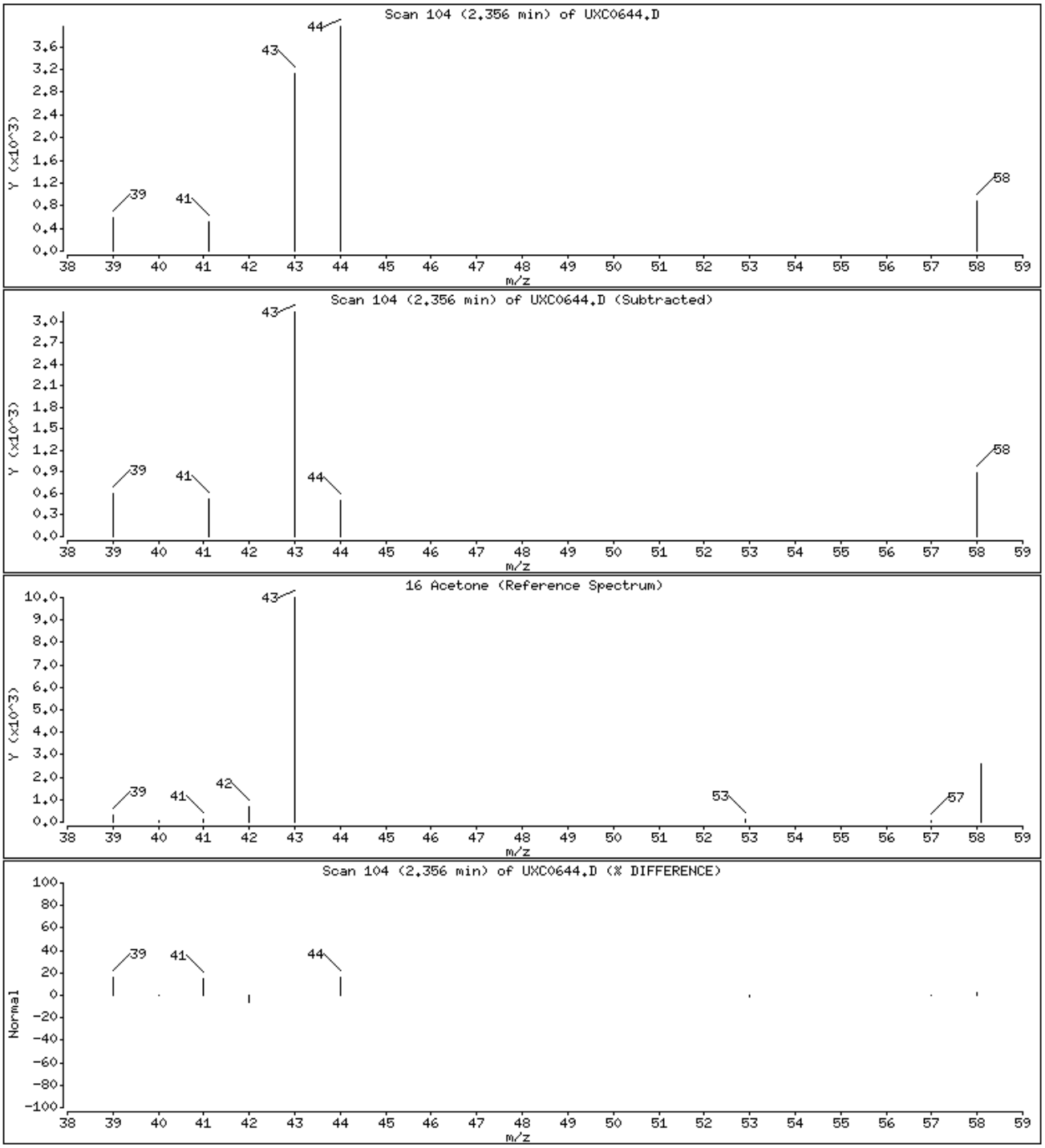
Operator: 1754

Column phase: DB624

Column diameter: 0.18

16 Acetone

Concentration: 0.8357 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-112

GC/MS Volatiles

Lot-Sample #...: A5F300251-009 **Work Order #...:** HEN651AK **Matrix.....:** WG
Date Sampled...: 06/29/05 15:45 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193076
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**1.4 J**	**10**	**ug/L**	**0.74**
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0645.D
Report Date: 11-Jul-2005 13:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0645.D
Lab Smp Id: HEN651AK Client Smp ID: MW-112
Inj Date : 11-JUL-2005 13:05
Operator : 1754 Inst ID: a3ux15.i
Smp Info : HEN651AK,5ML/5ML
Misc Info : C50711A,8260LLUX15,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.715	4.715	(1.000)	943665	50.0000	
* 2	Chlorobenzene-d5	117	7.348	7.348	(1.000)	604093	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.566	9.566	(1.000)	322938	50.0000	
$ 4	Dibromofluoromethane	113	4.158	4.158	(0.882)	205698	55.5715	11.114
$ 5	1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	246111	55.8460	11.169
$ 6	Toluene-d8	98	6.055	6.055	(0.824)	656717	49.7621	9.952
$ 7	Bromofluorobenzene	95	8.451	8.451	(1.150)	216139	45.9545	9.191
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	2.356	2.356	(0.500)	16363	6.93629	1.387
17	1,1-Dichloroethene	96	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	2.486	2.486	(0.527)	55034	4.00935	0.8019
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

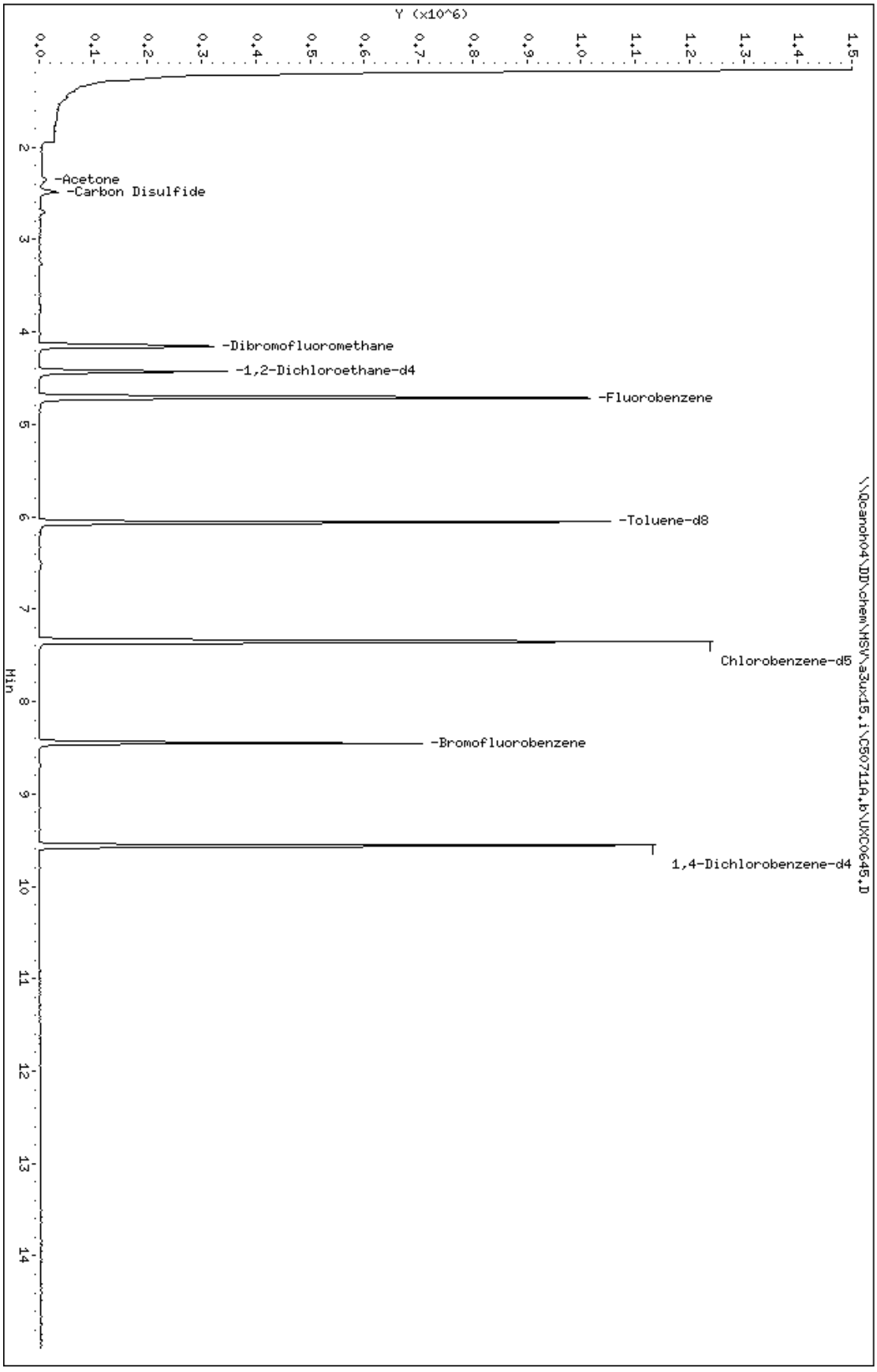
Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0645.D
Report Date: 11-Jul-2005 13:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0645.D
Report Date: 11-Jul-2005 13:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					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Date : 11-JUL-2005 13:05
Client ID: MW-112
Sample Info: HEN651AK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux15.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
-Acetone
-Carbon Disulfide
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0645.D
Min

Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0645.D

Date : 11-JUL-2005 13:05

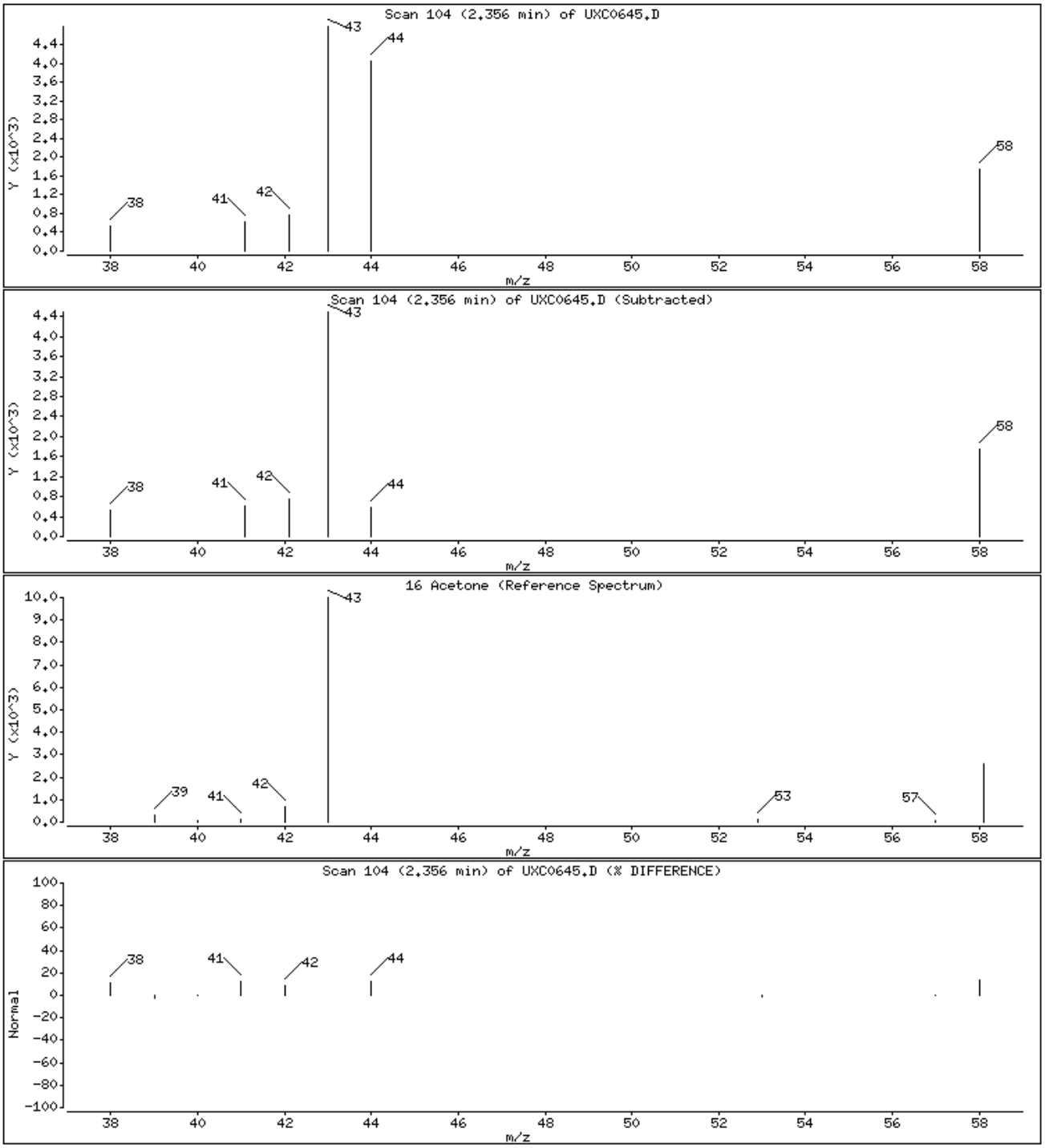
Client ID: MW-112 Instrument: a3ux15.i

Sample Info: HEN651AK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.387 ug/L



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Date : 11-JUL-2005 13:05

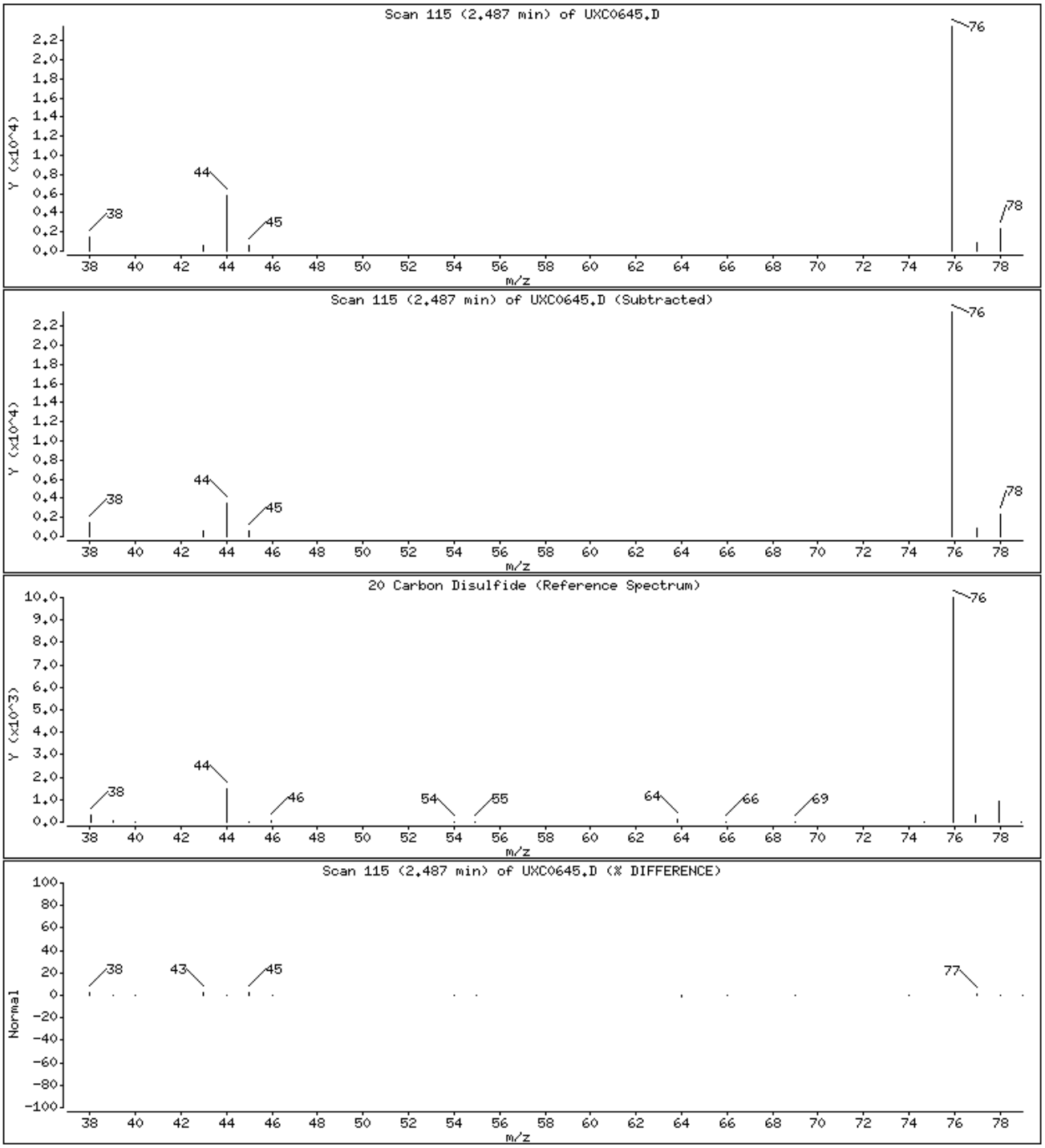
Client ID: MW-112 Instrument: a3ux15.i

Sample Info: HEN651AK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 0.8019 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-110

GC/MS Volatiles

Lot-Sample #...: A5F300251-010 **Work Order #...:** HEN681AK **Matrix.....:** WG
Date Sampled...: 06/29/05 13:15 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193076
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**1.5 J**	**10**	**ug/L**	**0.74**
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	111	(73 - 122)
1,2-Dichloroethane-d4	112	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	92	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0646.D
Report Date: 11-Jul-2005 13:54

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0646.D
Lab Smp Id: HEN681AK Client Smp ID: MW-110
Inj Date : 11-JUL-2005 13:28
Operator : 1754 Inst ID: a3ux15.i
Smp Info : HEN681AK,5ML/5ML
Misc Info : C50711A,8260LLUX15,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.715	4.715	(1.000)	966064	50.0000	
* 2	Chlorobenzene-d5	117	7.348	7.348	(1.000)	614702	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.565	9.566	(1.000)	322068	50.0000	
$ 4	Dibromofluoromethane	113	4.146	4.158	(0.879)	209498	55.2858	11.057
$ 5	1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	253189	56.1200	11.224
$ 6	Toluene-d8	98	6.055	6.055	(0.824)	672418	50.0725	10.014
$ 7	Bromofluorobenzene	95	8.451	8.451	(1.150)	219166	45.7939	9.159
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	2.355	2.356	(0.500)	17862	7.39616	1.479
17	1,1-Dichloroethene	96	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

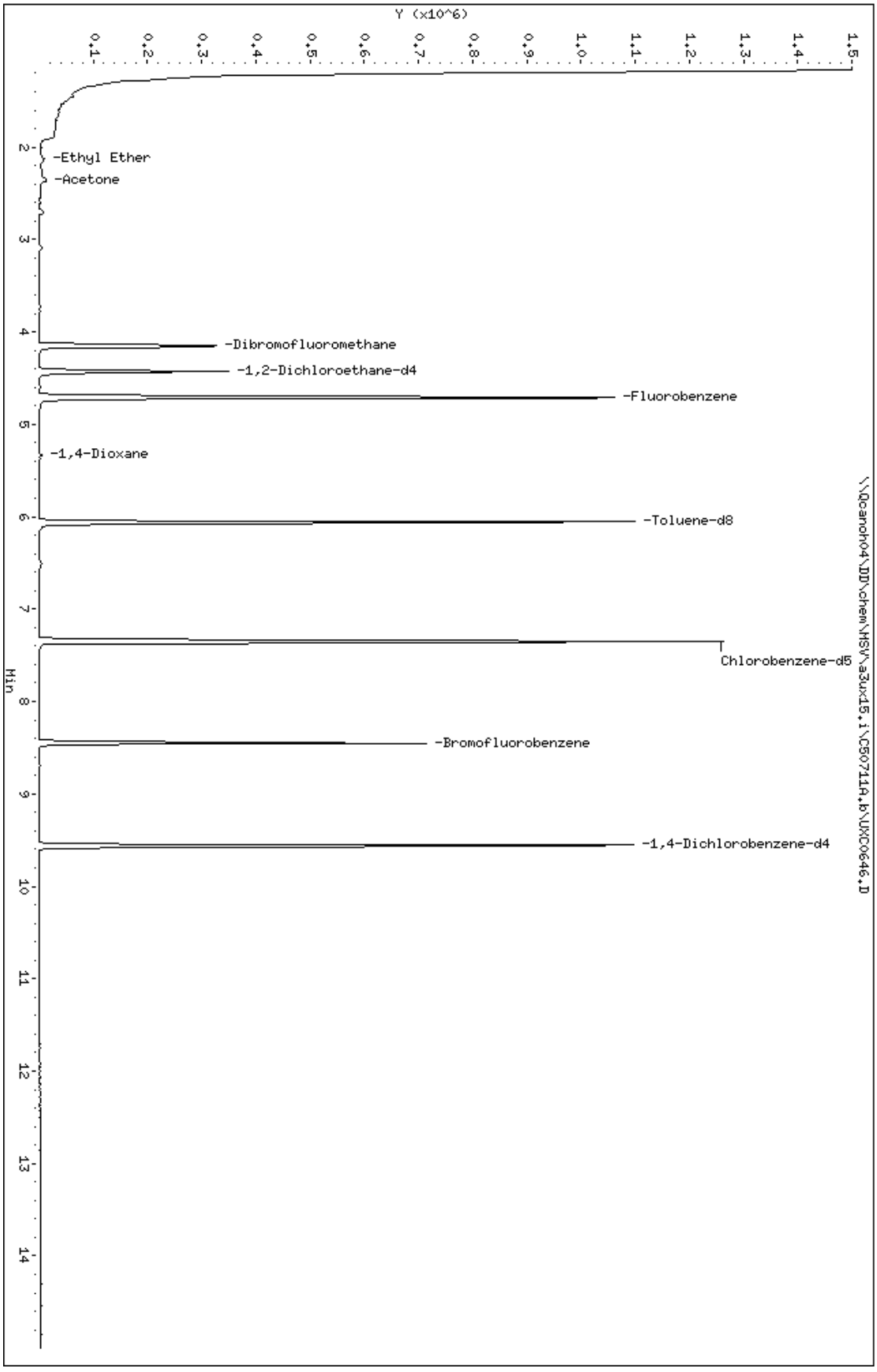
Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0646.D
Report Date: 11-Jul-2005 13:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.332	5.332	(1.131)	3923	128.413	25.683
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0646.D
Report Date: 11-Jul-2005 13:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.130	2.130	(0.452)	4003	1.15697	0.2314
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					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Date : 11-JUL-2005 13:28
Client ID: MW-110
Sample Info: HEN681AK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux15.i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
2
3
4
5
6
7
8
9
10
11
12
13
14
Min
-Ethyl Ether
-Acetone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-1,4-Dioxane
-Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
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Date : 11-JUL-2005 13:28

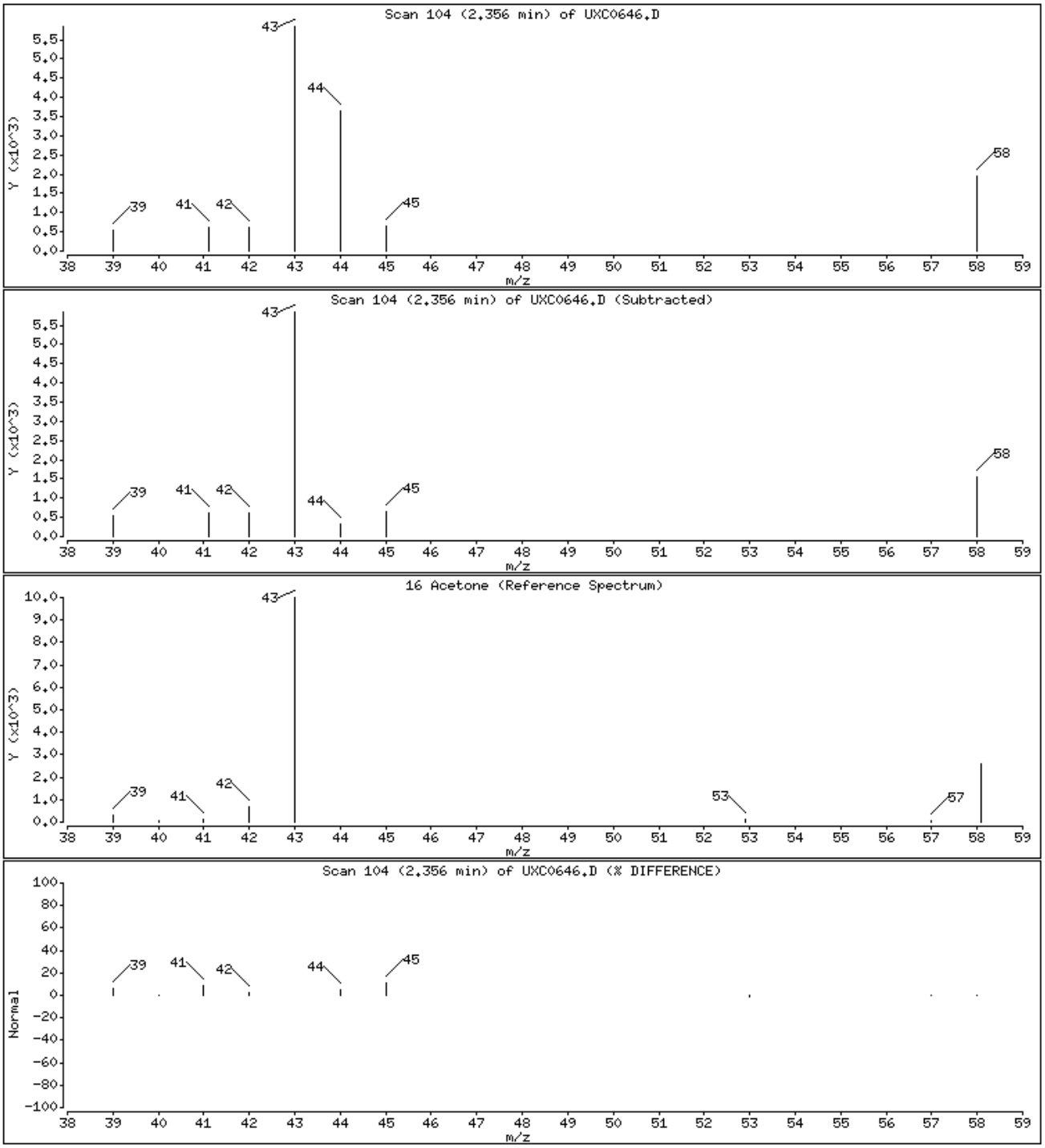
Client ID: MW-110 Instrument: a3ux15.i

Sample Info: HEN681AK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.479 ug/L



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Date : 11-JUL-2005 13:28

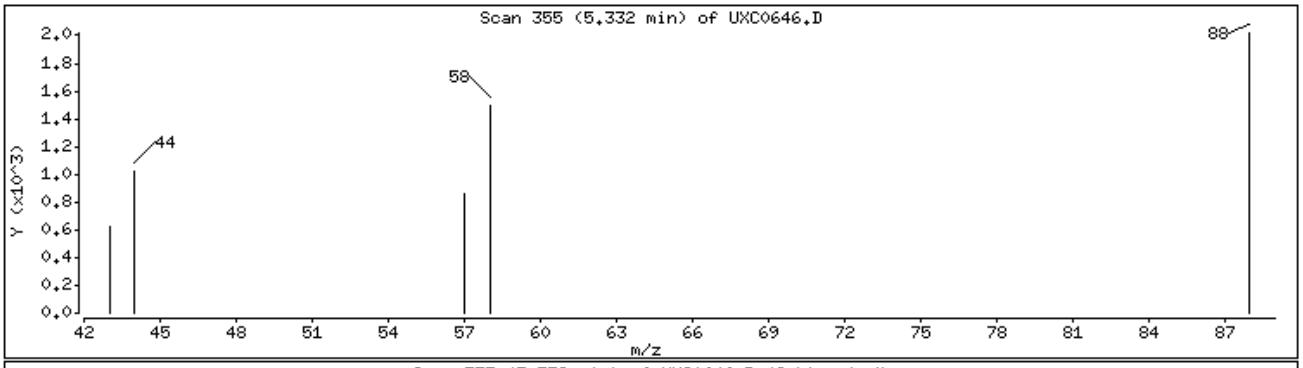
Client ID: MW-110 Instrument: a3ux15.i

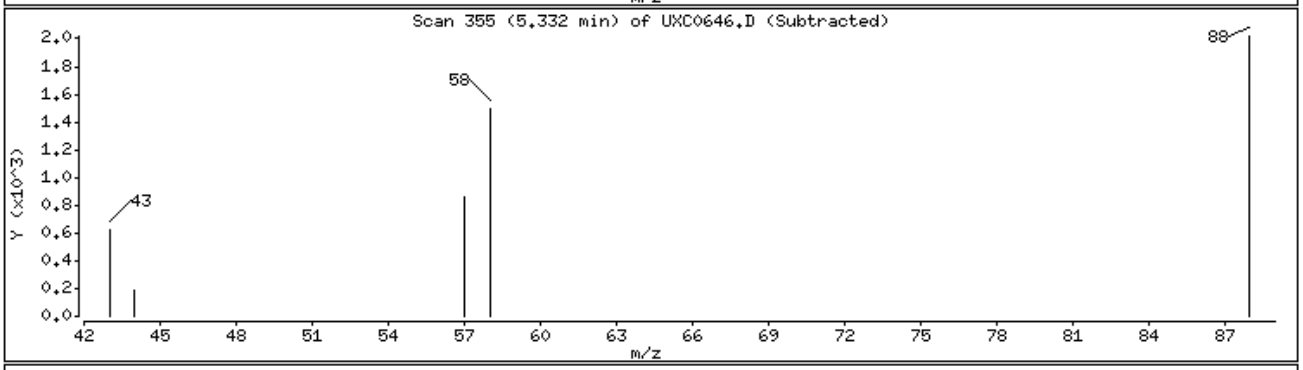
Sample Info: HEN681AK,5ML/5ML

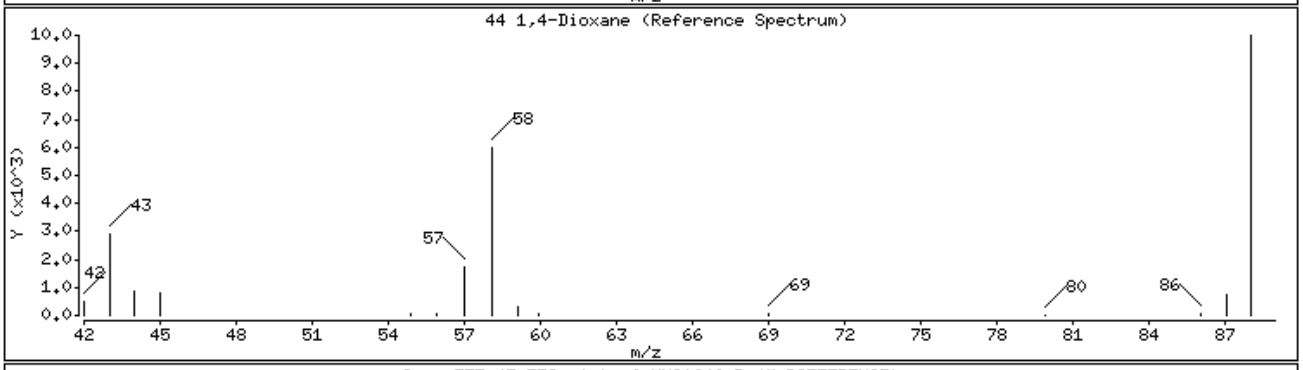
Purge Volume: 5.0 Operator: 1754

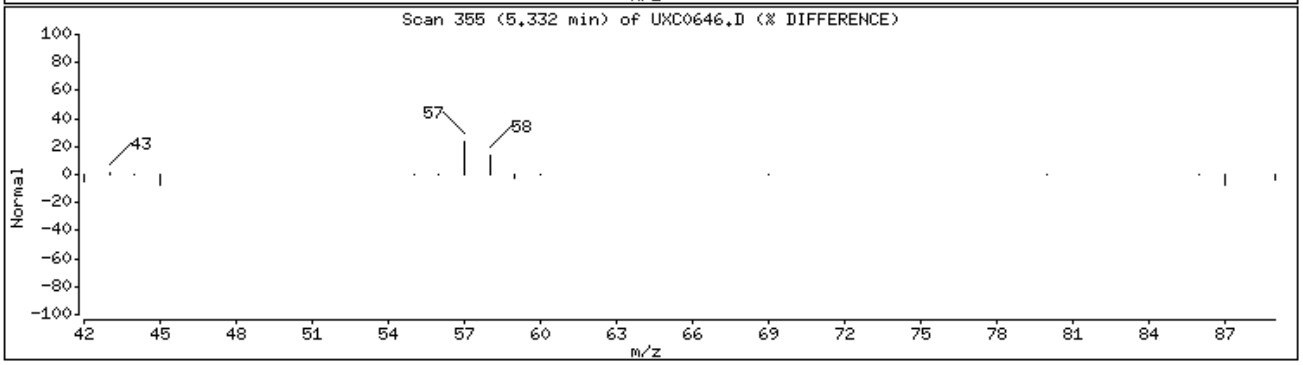
Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 25.683 ug/L









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Date : 11-JUL-2005 13:28

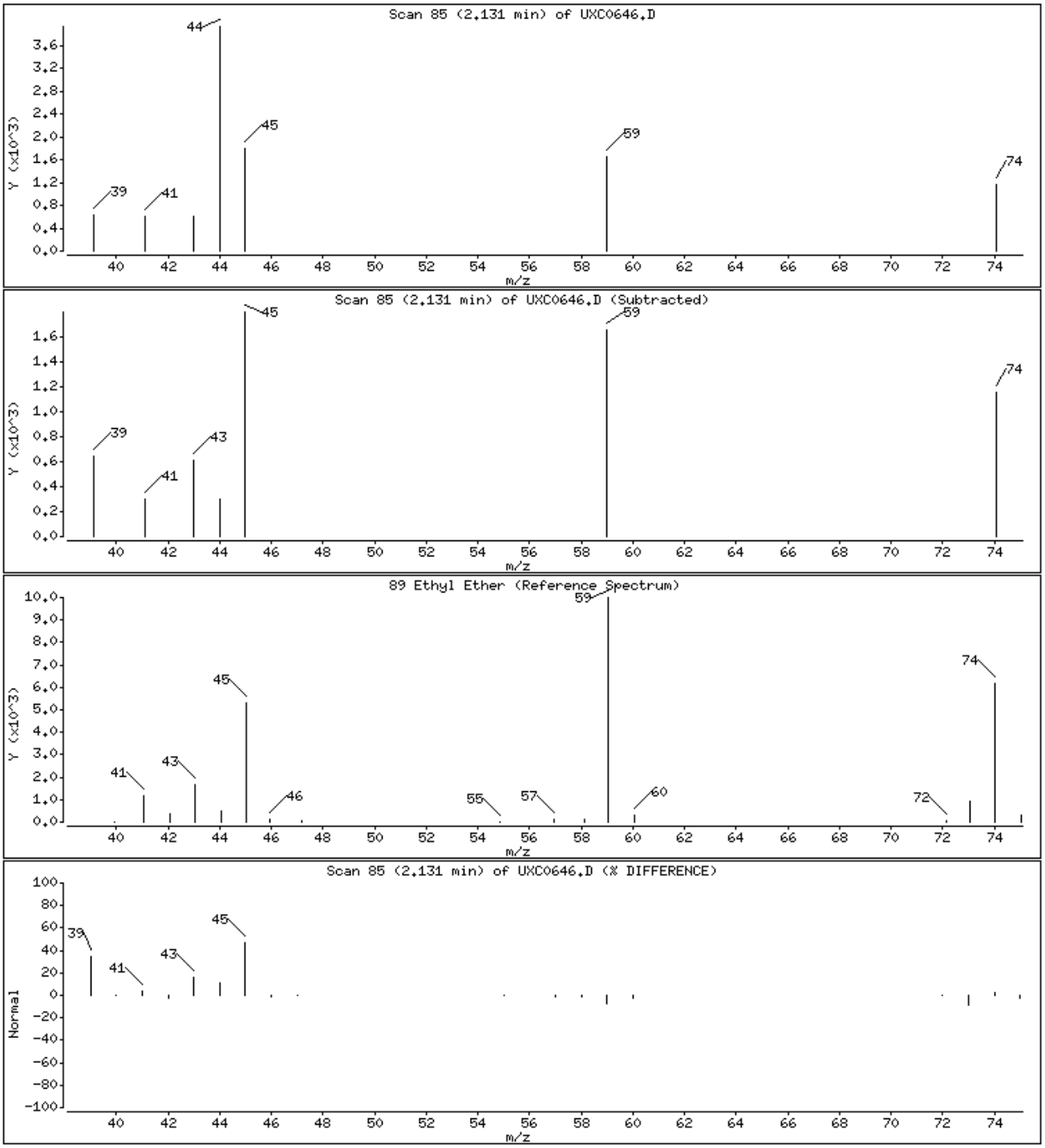
Client ID: MW-110 Instrument: a3ux15.i

Sample Info: HEN681AK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 0.2314 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-109

GC/MS Volatiles

Lot-Sample #...: A5F300251-011 **Work Order #...:** HEN7D1AK **Matrix.....:** WG
Date Sampled...: 06/29/05 14:30 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5405.D
Report Date: 12-Jul-2005 09:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5405.D
Lab Smp Id: HEN7D1AK Client Smp ID: MW-109
Inj Date : 11-JUL-2005 19:33
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN7D1AK,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1662580	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1578918	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	887090	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	375985	47.8134	9.563
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	542819	51.9915	10.398
$ 6 Toluene-d8	98	6.334	6.333	(0.830)	1685508	48.5347	9.707
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	790215	46.3312	9.266
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	1.636	1.624	(0.327)	8787	0.86226	0.1724
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5405.D
Report Date: 12-Jul-2005 09:27

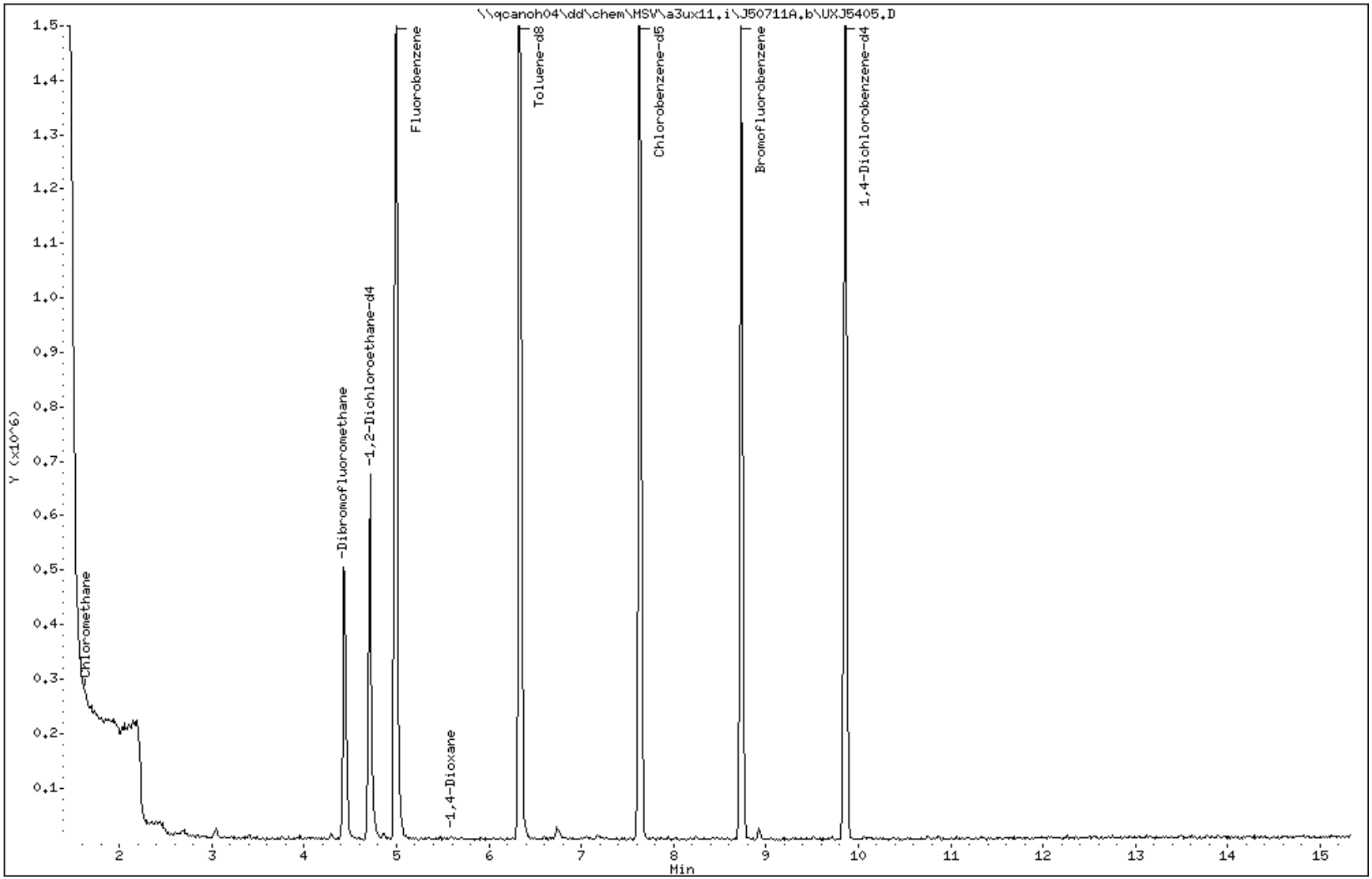
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.588	5.588	(1.118)	2492	35.9002	7.180
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5405.D
Report Date: 12-Jul-2005 09:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5405.D
Date : 11-JUL-2005 19:33
Client ID: MW-109 Instrument: a3ux11.i
Sample Info: HEN7D1AK,5ML/5ML
Purge Volume: 5.0 Operator: 43582
Column phase: DB624 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5405.D

Date : 11-JUL-2005 19:33

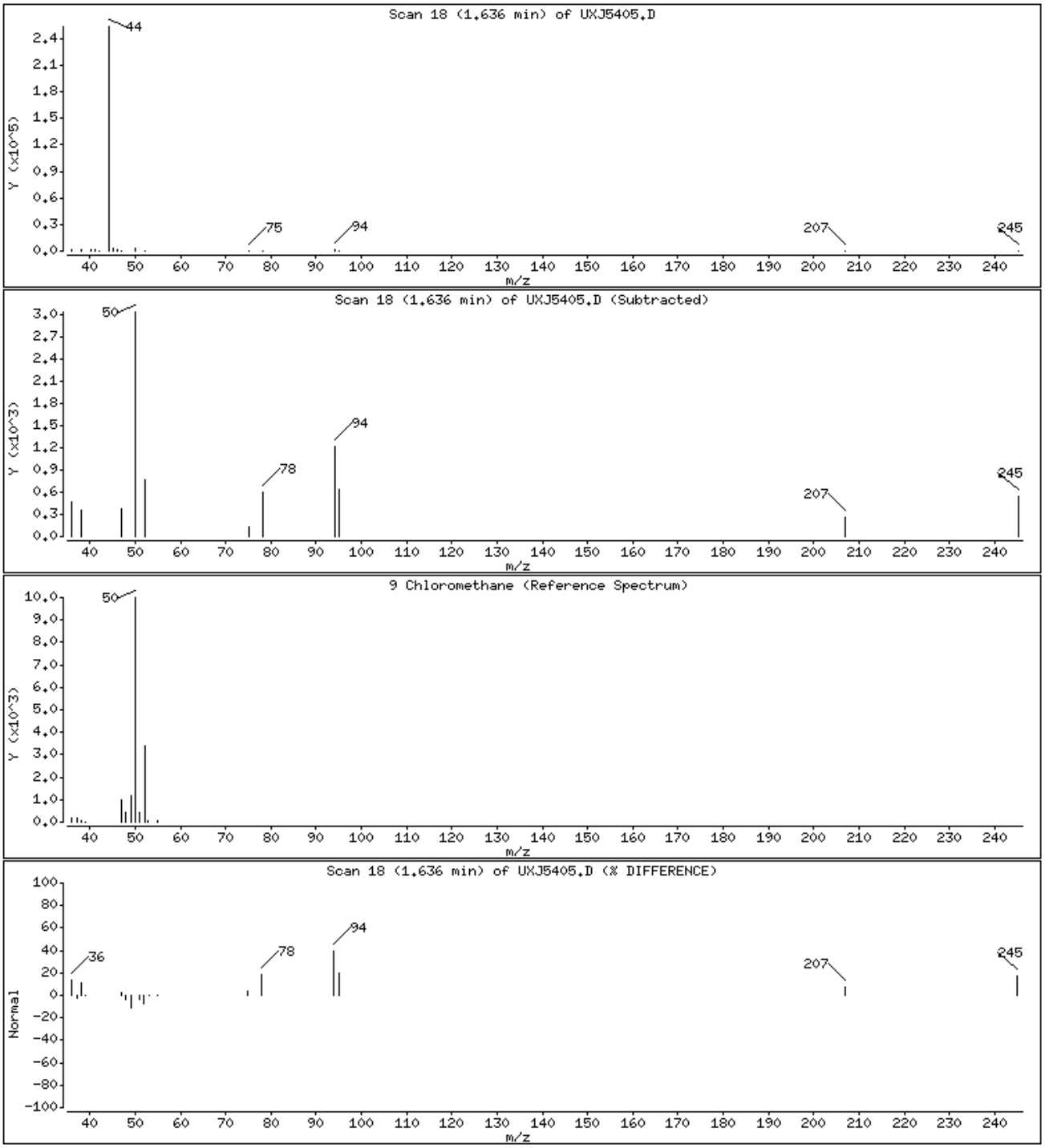
Client ID: MW-109 Instrument: a3ux11.i

Sample Info: HEN7D1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

9 Chloromethane Concentration: 0.1724 ug/L



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Date : 11-JUL-2005 19:33

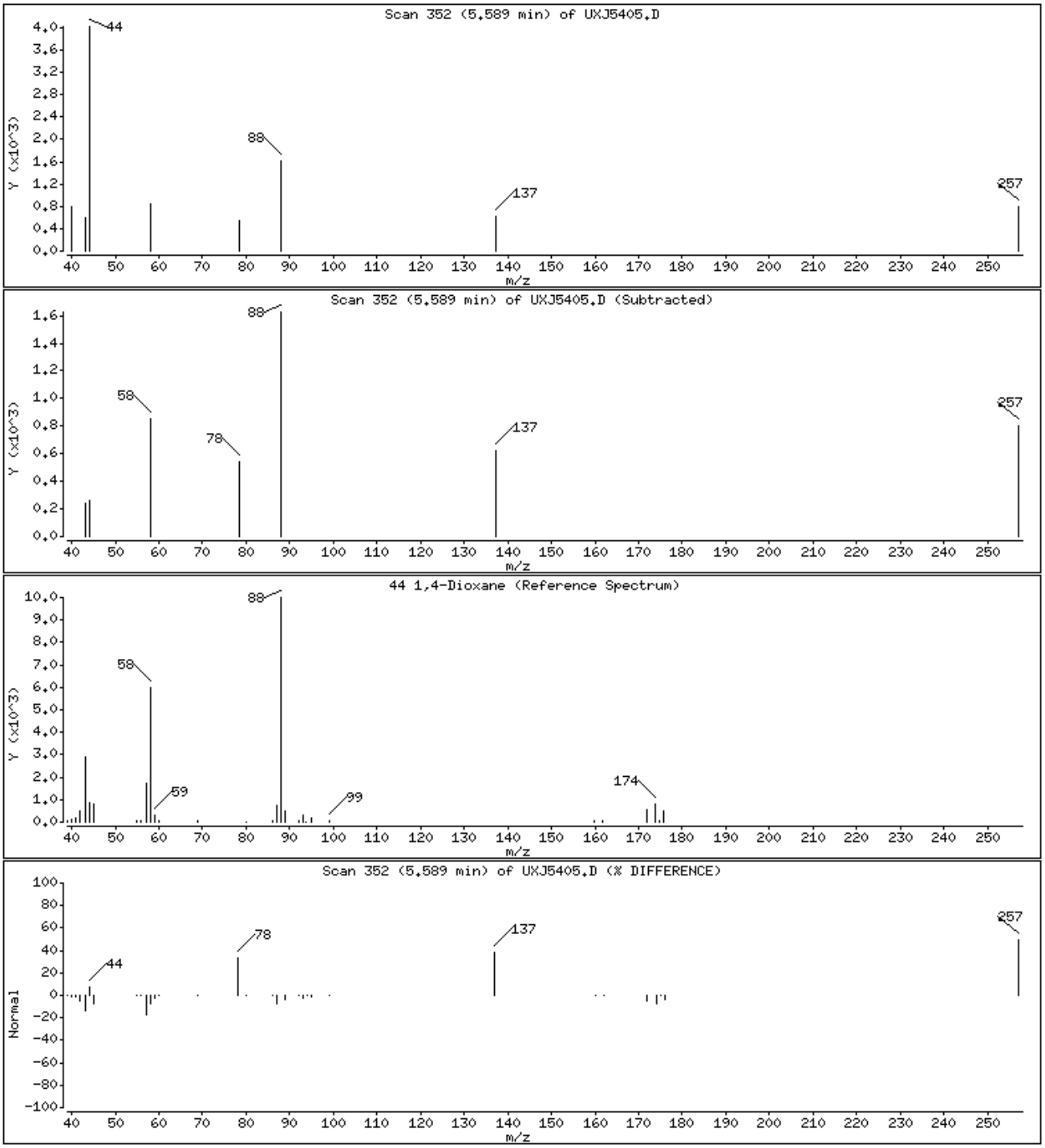
Client ID: MW-109 Instrument: a3ux11.i

Sample Info: HEN7D1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 7.180 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-108

GC/MS Volatiles

Lot-Sample #...: A5F300251-012 **Work Order #...:** HEN7F1AK **Matrix.....:** WG
Date Sampled...: 06/29/05 21:50 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	97	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5408.D
Report Date: 12-Jul-2005 09:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5408.D
Lab Smp Id: HEN7F1AK Client Smp ID: MW-108
Inj Date : 11-JUL-2005 20:38
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN7F1AK,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	4.996	4.984	(1.000)	1718929	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1595188	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.859	9.859	(1.000)	921697	50.0000	
$ 4	Dibromofluoromethane	113	4.428	4.428	(0.886)	382114	46.9998	9.400
$ 5	1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	521557	48.3174	9.663
$ 6	Toluene-d8	98	6.333	6.333	(0.830)	1698550	48.4114	9.682
$ 7	Bromofluorobenzene	95	8.735	8.735	(1.144)	802858	46.5924	9.318
8	Dichlorodifluoromethane	85	Compound Not Detected.					
9	Chloromethane	50	Compound Not Detected.					
10	Vinyl Chloride	62	Compound Not Detected.					
11	Bromomethane	94	Compound Not Detected.					
12	Chloroethane	64	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
15	Acrolein	56	Compound Not Detected.					
16	Acetone	43	Compound Not Detected.					
17	1,1-Dichloroethene	96	Compound Not Detected.					
18	Freon-113	151	Compound Not Detected.					
19	Iodomethane	142	Compound Not Detected.					
20	Carbon Disulfide	76	Compound Not Detected.					
21	Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

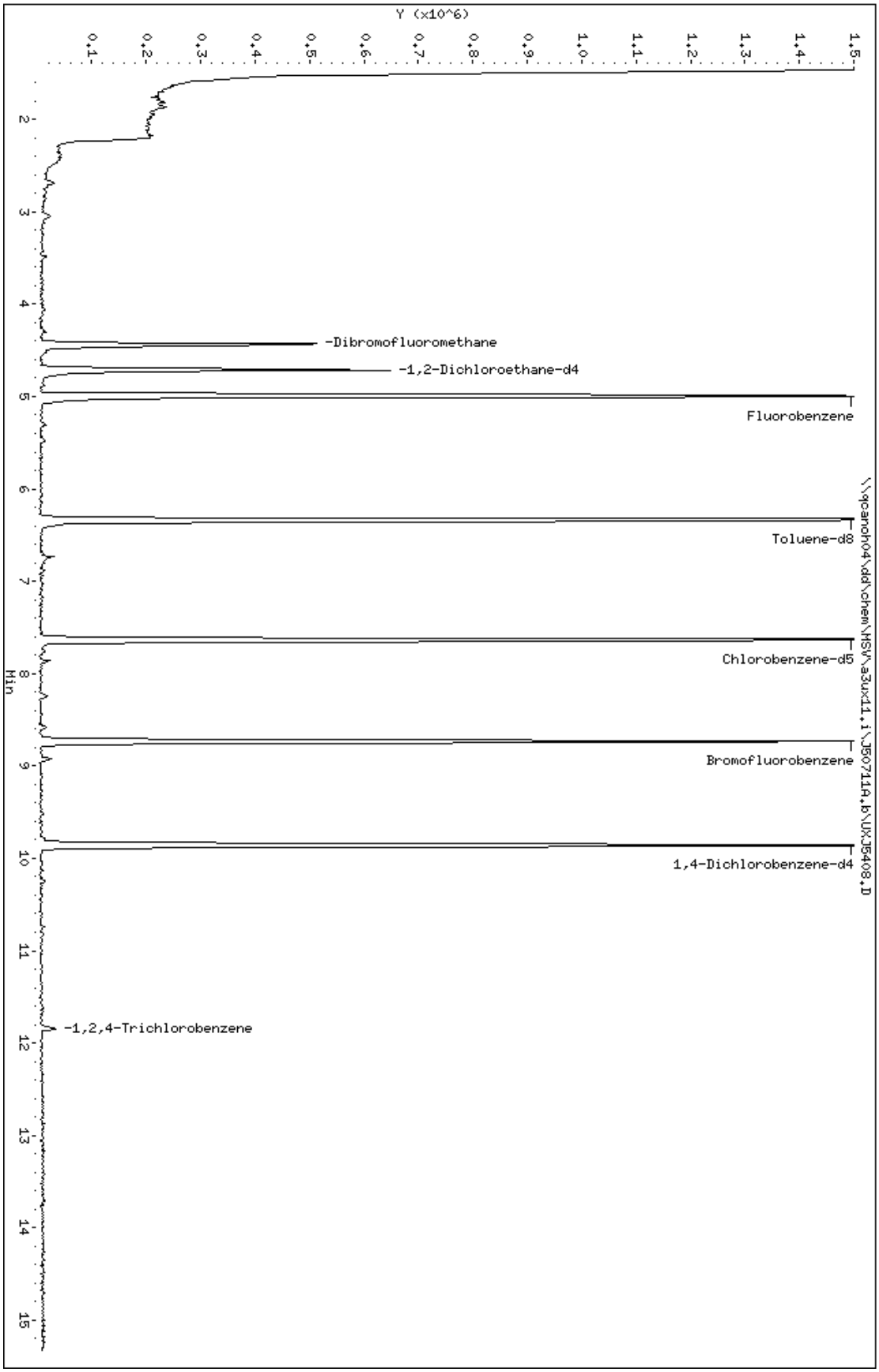
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5408.D
Report Date: 12-Jul-2005 09:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5408.D
Report Date: 12-Jul-2005 09:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	11.847	11.847	(1.202)	10322	1.06691	0.2134
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					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Date : 11-JUL-2005 20:38
Client ID: MW-108
Sample Info: HEN7F1AK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5408.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5408.D

Date : 11-JUL-2005 20:38

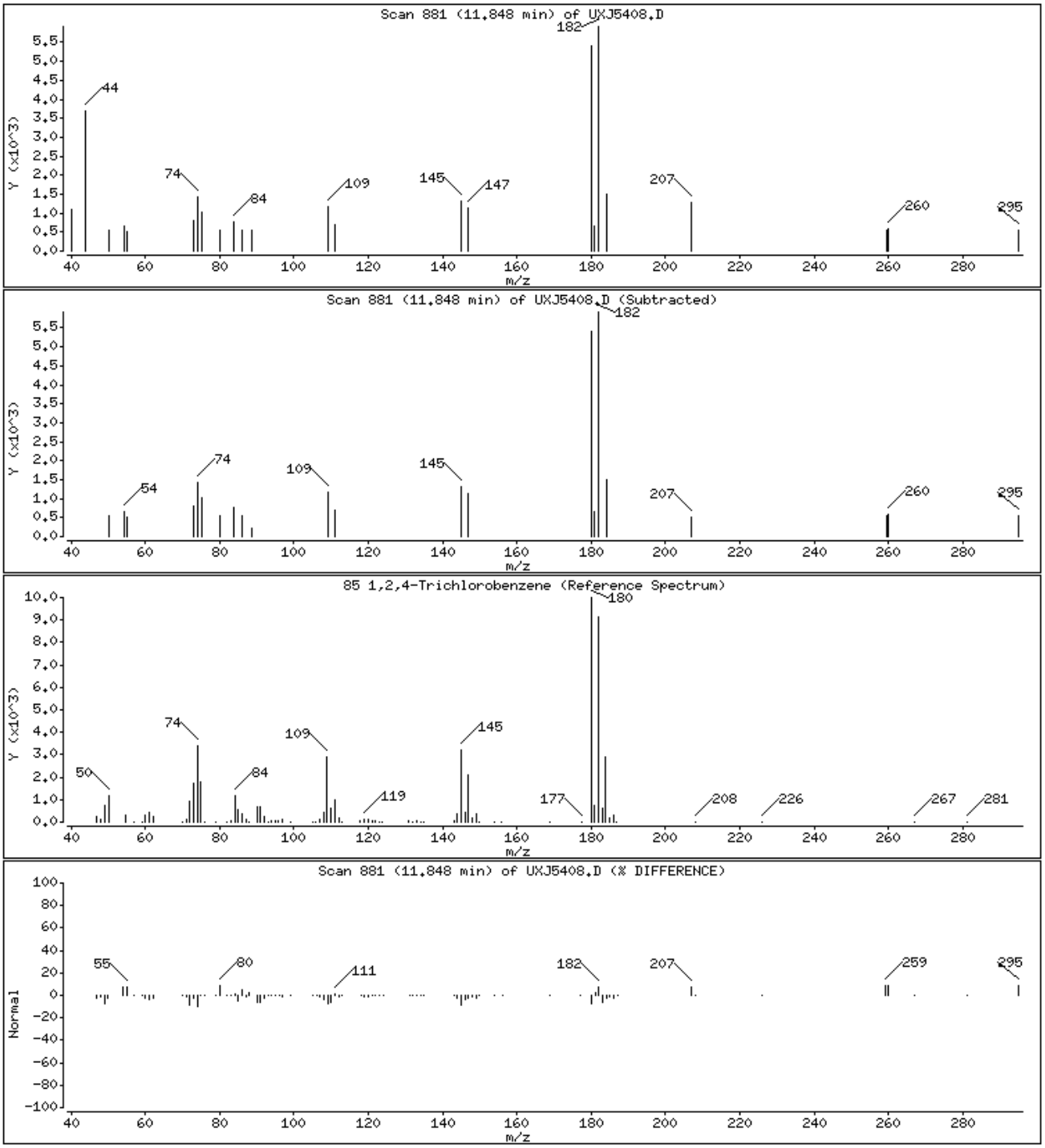
Client ID: MW-108 Instrument: a3ux11.i

Sample Info: HEN7F1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

85 1,2,4-Trichlorobenzene Concentration: 0.2134 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-103

GC/MS Volatiles

Lot-Sample #...: A5F300251-013 **Work Order #...:** HEN7H1AK **Matrix.....:** WG
Date Sampled...: 06/29/05 23:20 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**1.1 J**	**10**	**ug/L**	**0.74**
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5409.D
Report Date: 12-Jul-2005 09:28

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5409.D
Lab Smp Id: HEN7H1AK Client Smp ID: MW-103
Inj Date : 11-JUL-2005 20:59
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN7H1AK,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1701953	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1567260	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.859	9.859	(1.000)	908807	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	383314	47.6177	9.524
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	536224	50.1717	10.034
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1718721	49.8592	9.972
$ 7 Bromofluorobenzene	95	8.735	8.735	(1.144)	807275	47.6835	9.537
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.689	2.689	(0.538)	60604	5.57387	1.115
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5409.D
Report Date: 12-Jul-2005 09:28

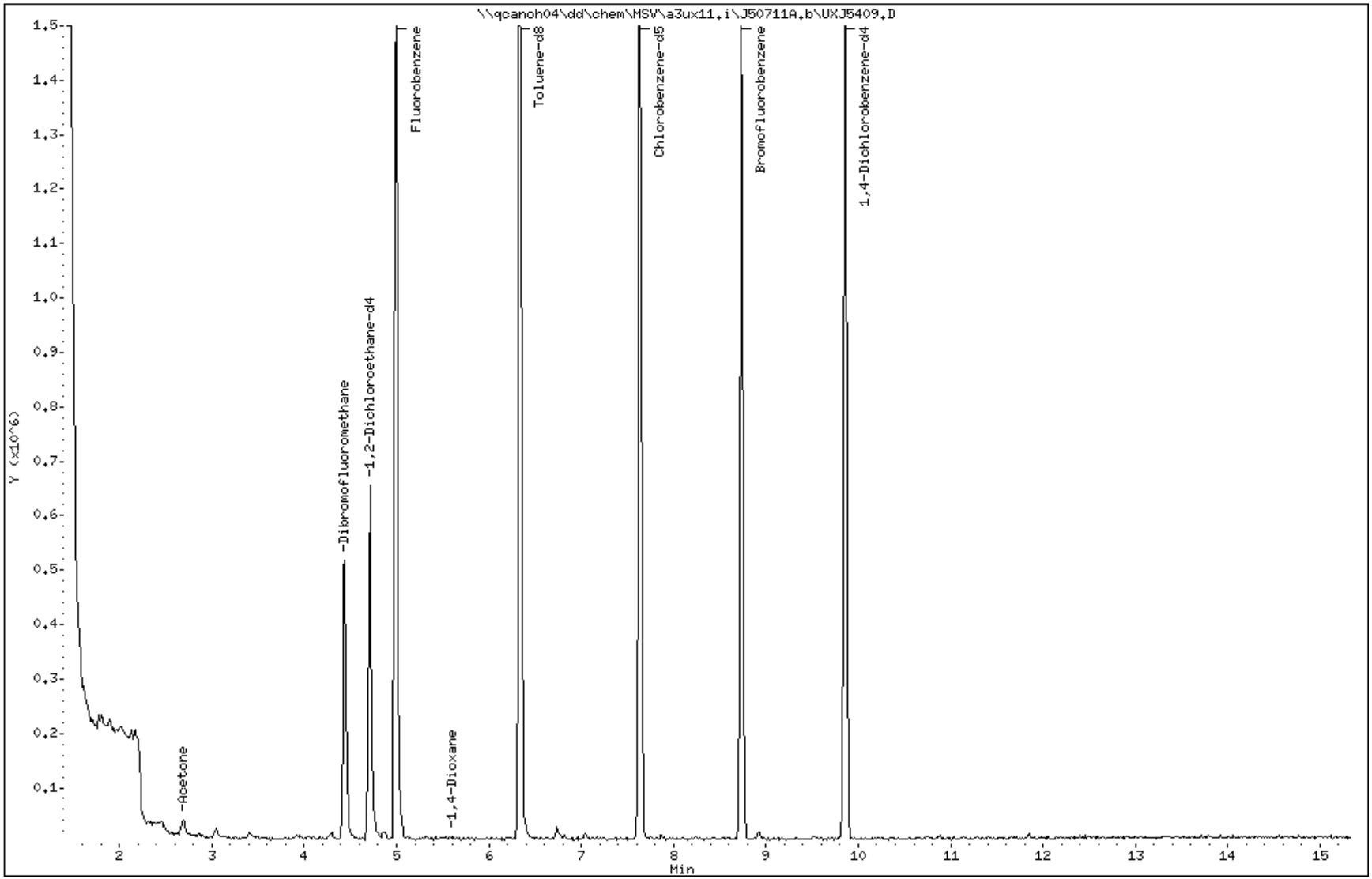
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.588	5.588	(1.118)	2624	36.9273	7.385
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5409.D
Report Date: 12-Jul-2005 09:28

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5409.D
Date : 11-JUL-2005 20:59
Client ID: MW-103 Instrument: a3ux11.i
Sample Info: HEN7H1AK,5ML/5ML
Purge Volume: 5.0 Operator: 43582
Column phase: DB624 Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5409.D

Date : 11-JUL-2005 20:59

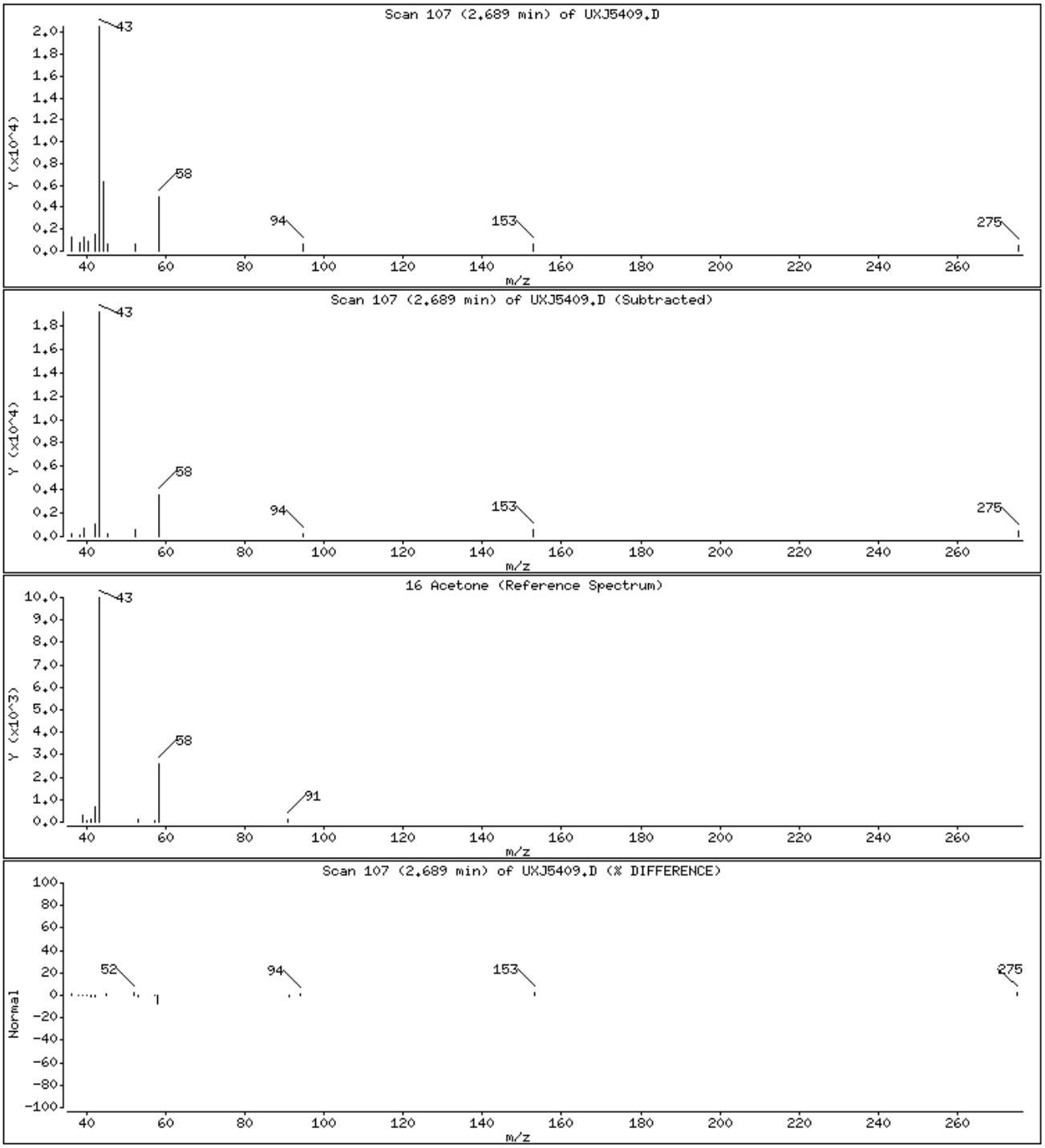
Client ID: MW-103 Instrument: a3ux11.i

Sample Info: HEN7H1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 1.115 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5409.D

Date : 11-JUL-2005 20:59

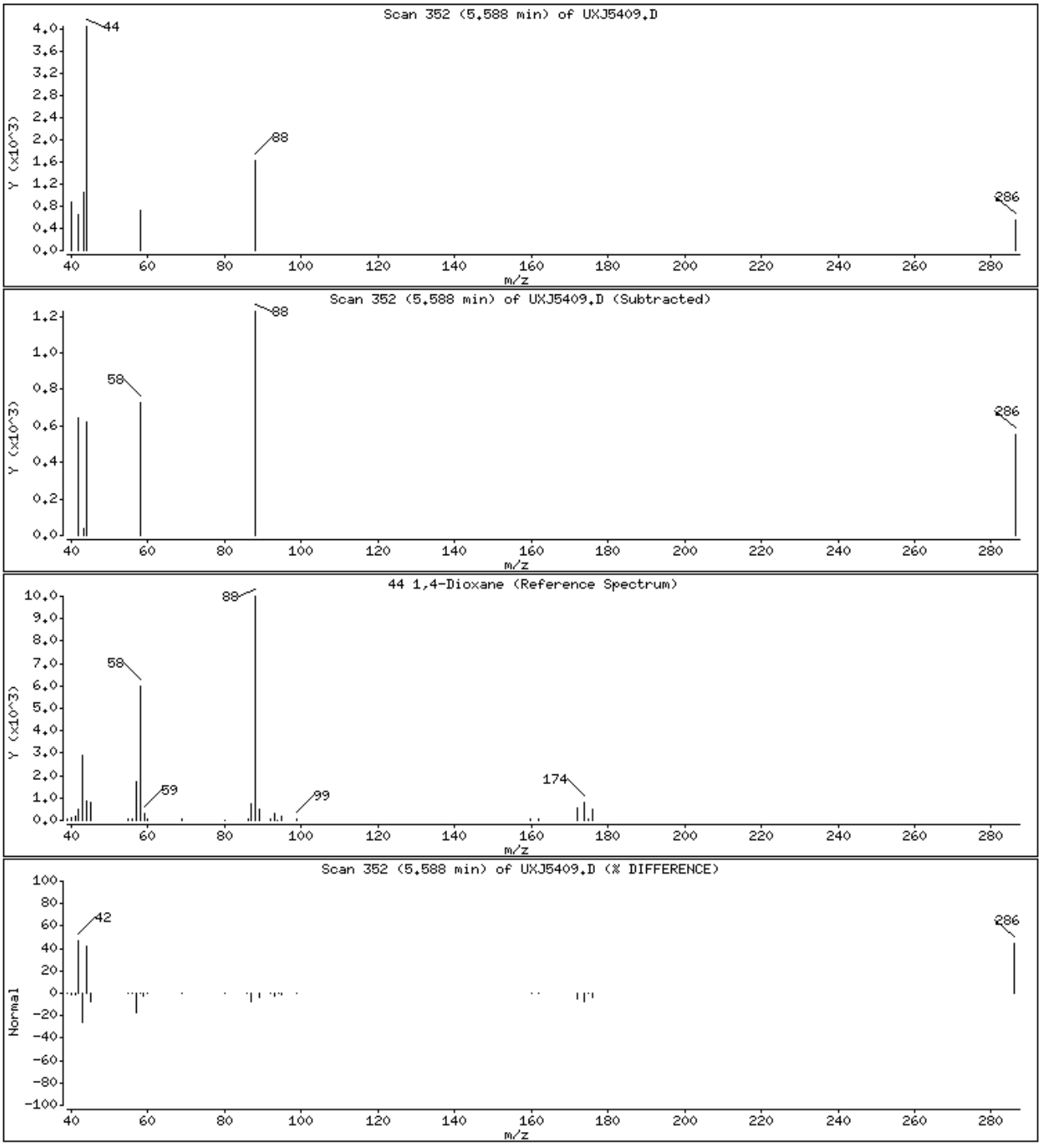
Client ID: MW-103 Instrument: a3ux11.i

Sample Info: HEN7H1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 7.385 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-104

GC/MS Volatiles

Lot-Sample #...: A5F300251-014 **Work Order #...:** HEN7K1AK **Matrix.....:** WG
Date Sampled...: 06/29/05 12:17 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**7.9 J**	**10**	**ug/L**	**0.74**
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	**1.4**	**1.0**	**ug/L**	**0.24**
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D
Report Date: 12-Jul-2005 09:29

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D
Lab Smp Id: HEN7K1AK Client Smp ID: MW-104
Inj Date : 11-JUL-2005 21:21
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN7K1AK,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1671948	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1560631	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	894315	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.428	(0.889)	392233	49.6001	9.920
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	539396	51.3742	10.275
$ 6 Toluene-d8	98	6.334	6.333	(0.830)	1690285	49.2426	9.848
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	815580	48.3787	9.676
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	2.062	2.062	(0.413)	37349	7.07917	1.416
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.689	2.689	(0.538)	128879	39.3553	7.871
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.878	2.866	(0.576)	158878	5.67727	1.135
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D
Report Date: 12-Jul-2005 09:29

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	4.298	4.286	(0.860)	29701	5.93300	1.187
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	5.588	5.588	(1.118)	27862	399.136	79.827(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

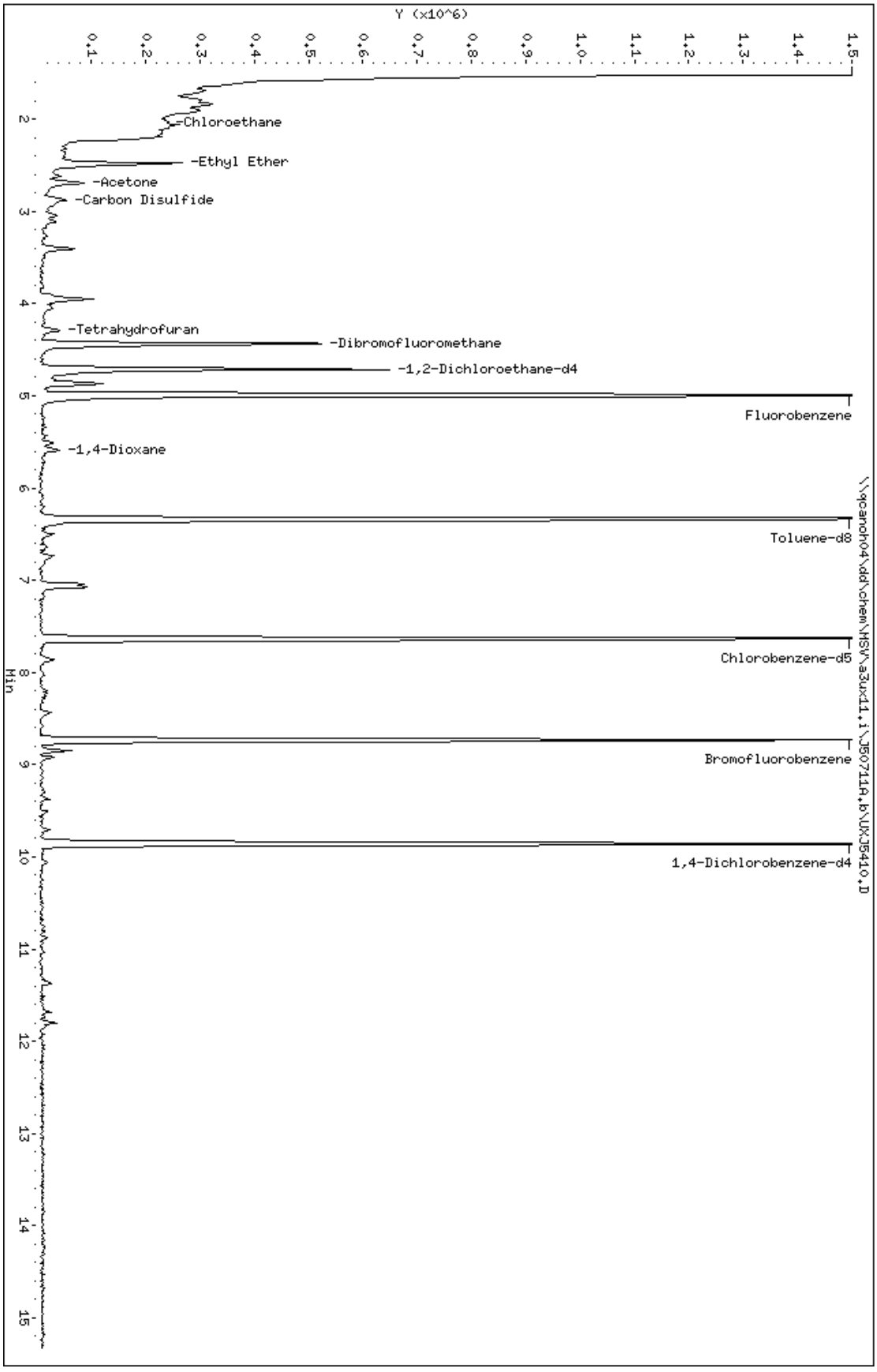
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D
Report Date: 12-Jul-2005 09:29

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	2.476	2.476	(0.496)	197144	31.4319	6.286
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 11-JUL-2005 21:21
Client ID: MW-104
Sample Info: HEN7K1AK,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Chloroethane
-Ethyl Ether
-Acetone
-Carbon Disulfide
-Tetrahydrofuran
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
-1,4-Dioxane
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D

Date : 11-JUL-2005 21:21

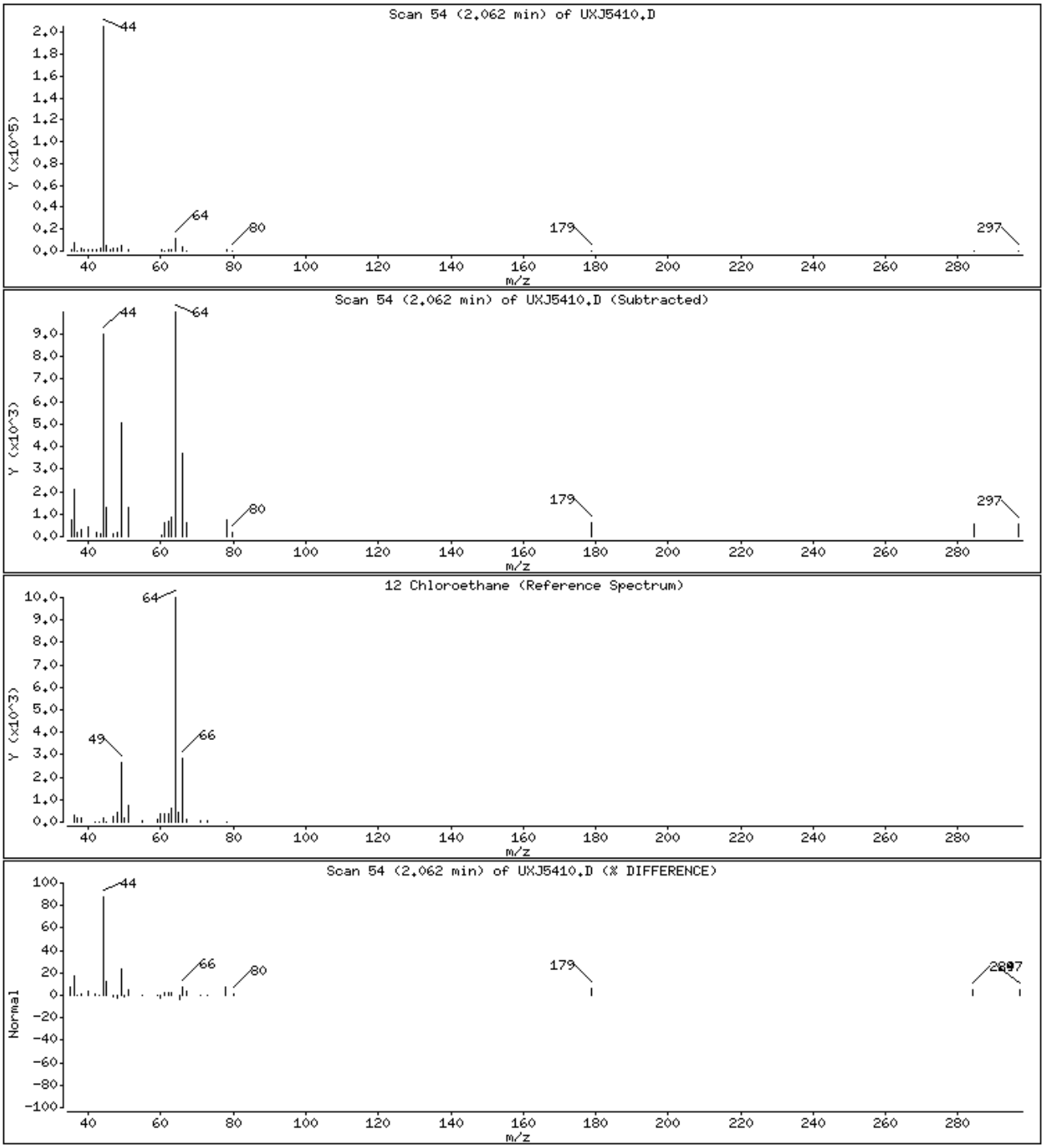
Client ID: MW-104 Instrument: a3ux11.i

Sample Info: HEN7K1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

12 Chloroethane Concentration: 1.416 ug/L



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Date : 11-JUL-2005 21:21

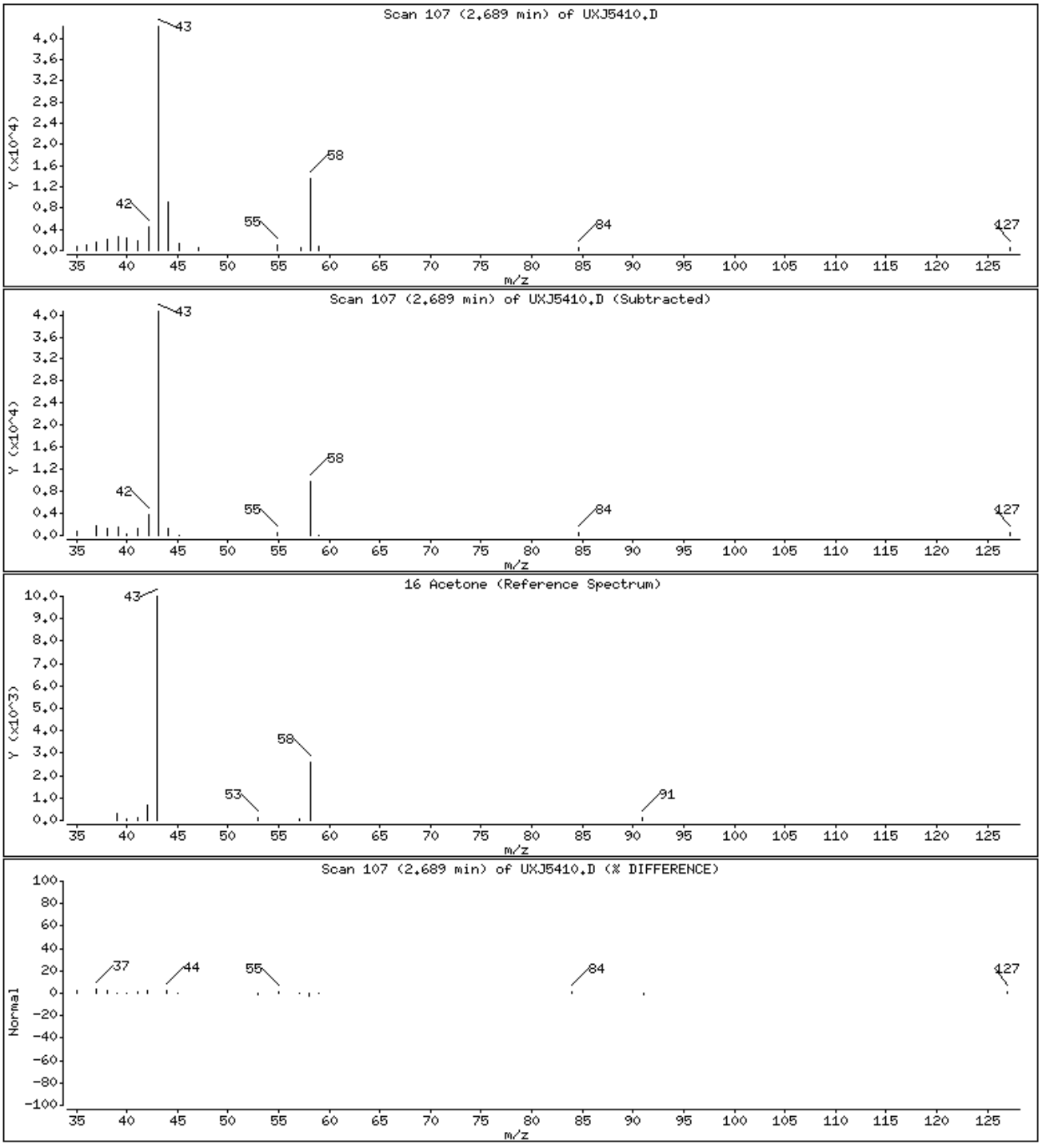
Client ID: MW-104 Instrument: a3ux11.i

Sample Info: HEN7K1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 7.871 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D

Date : 11-JUL-2005 21:21

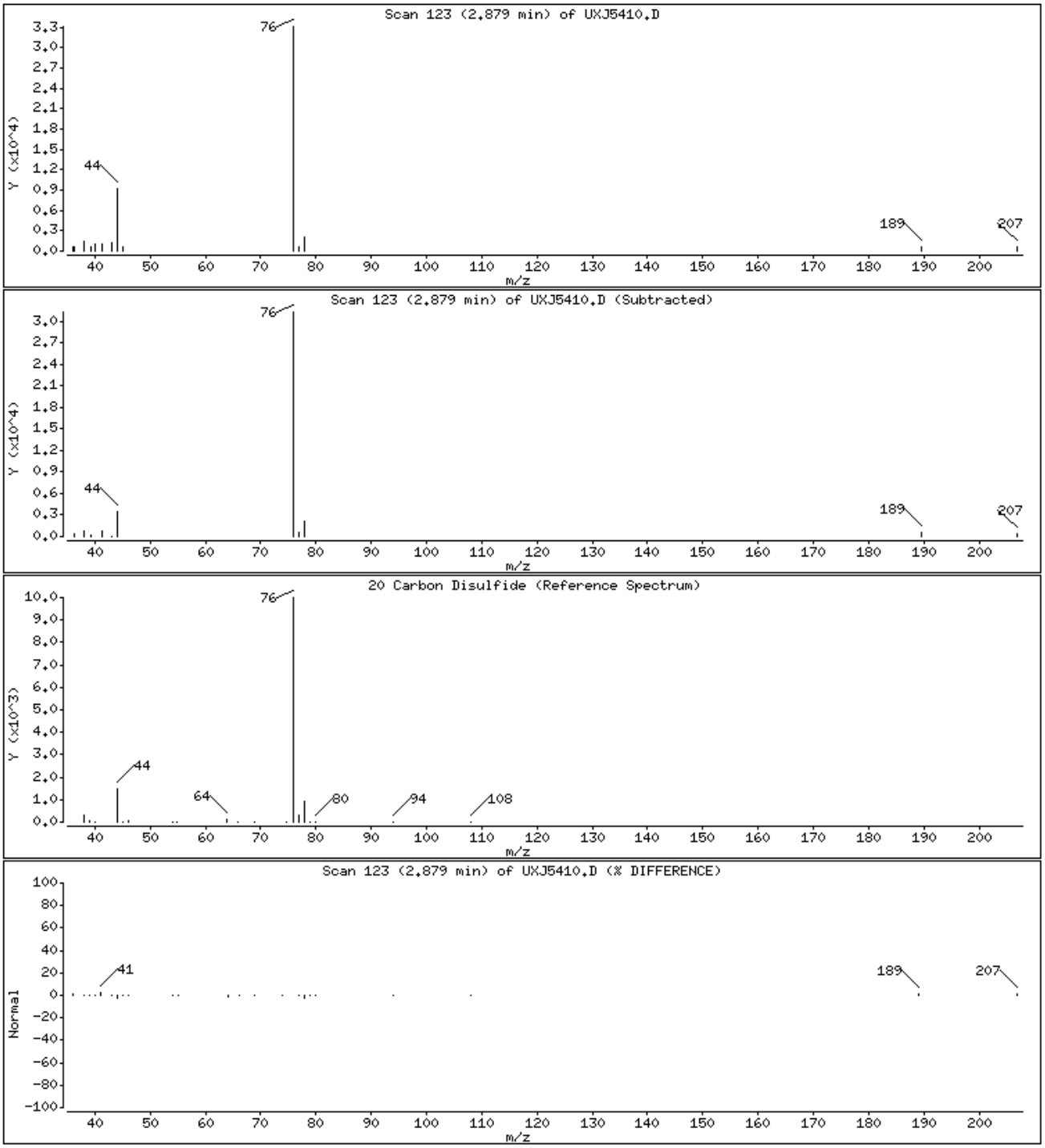
Client ID: MW-104 Instrument: a3ux11.i

Sample Info: HEN7K1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

20 Carbon Disulfide Concentration: 1.135 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D

Date : 11-JUL-2005 21:21

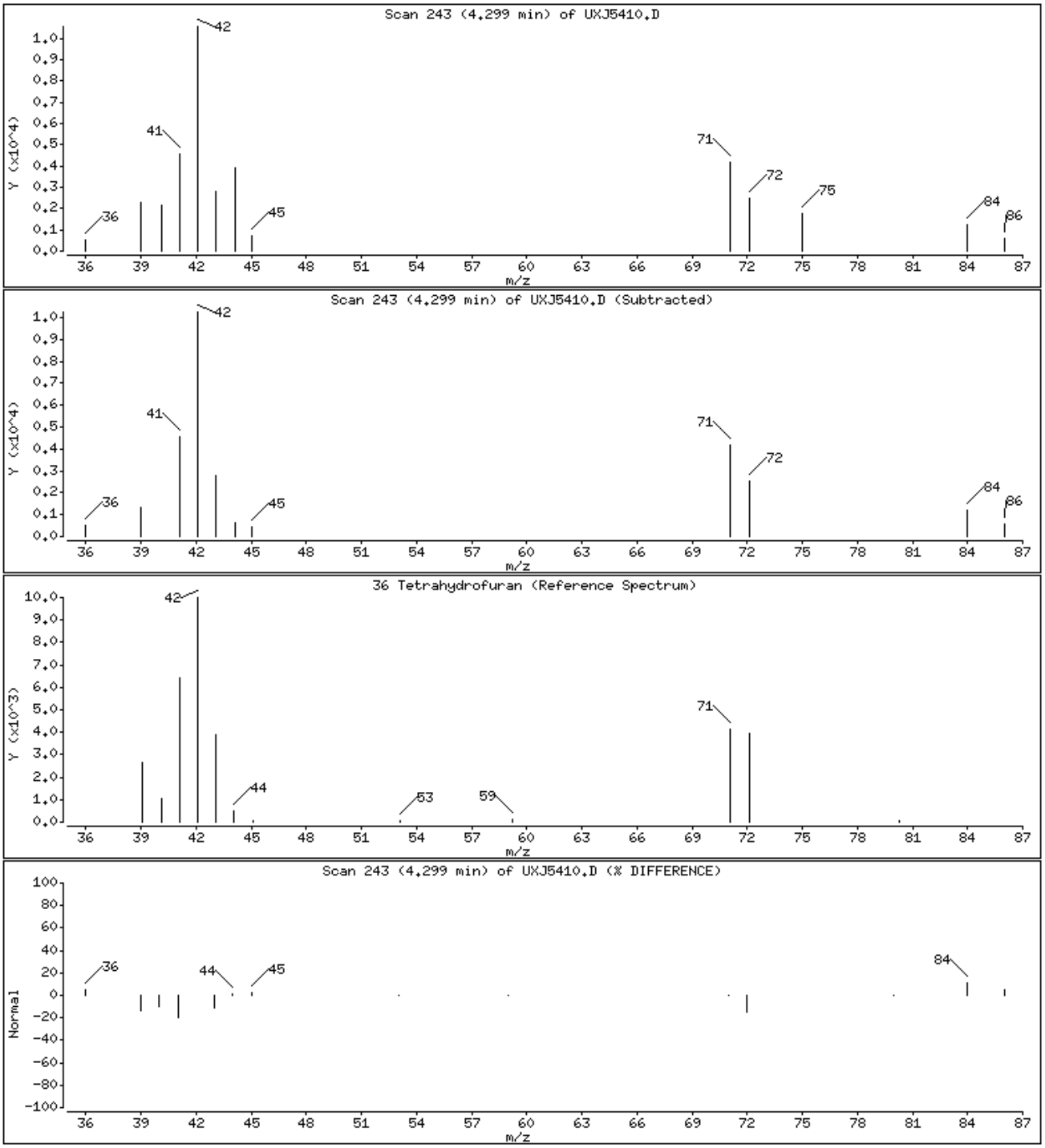
Client ID: MW-104 Instrument: a3ux11.i

Sample Info: HEN7K1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

36 Tetrahydrofuran Concentration: 1.187 ug/L



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5410.D

Date : 11-JUL-2005 21:21

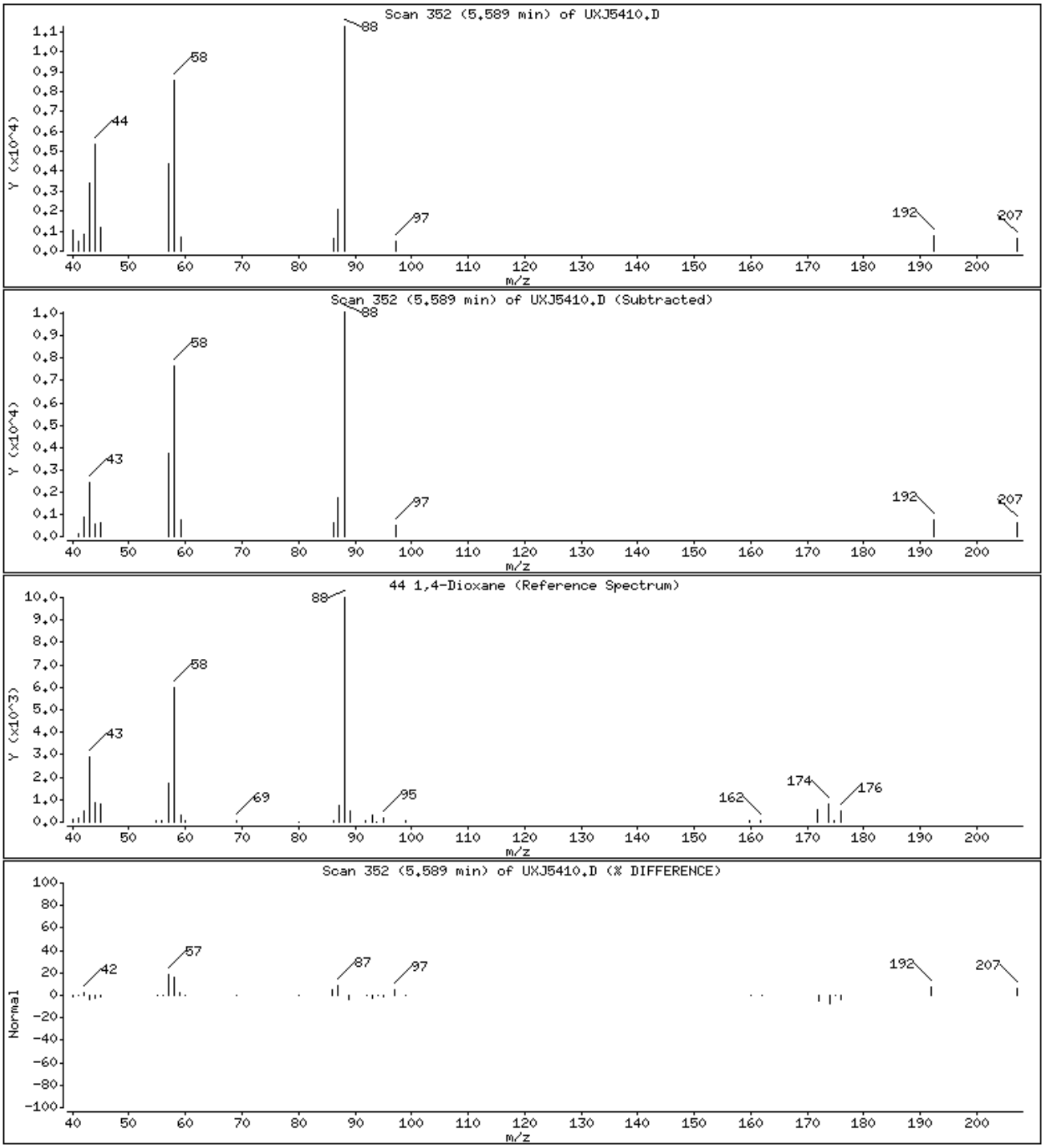
Client ID: MW-104 Instrument: a3ux11.i

Sample Info: HEN7K1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

44 1,4-Dioxane Concentration: 79.827 ug/L



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Date : 11-JUL-2005 21:21

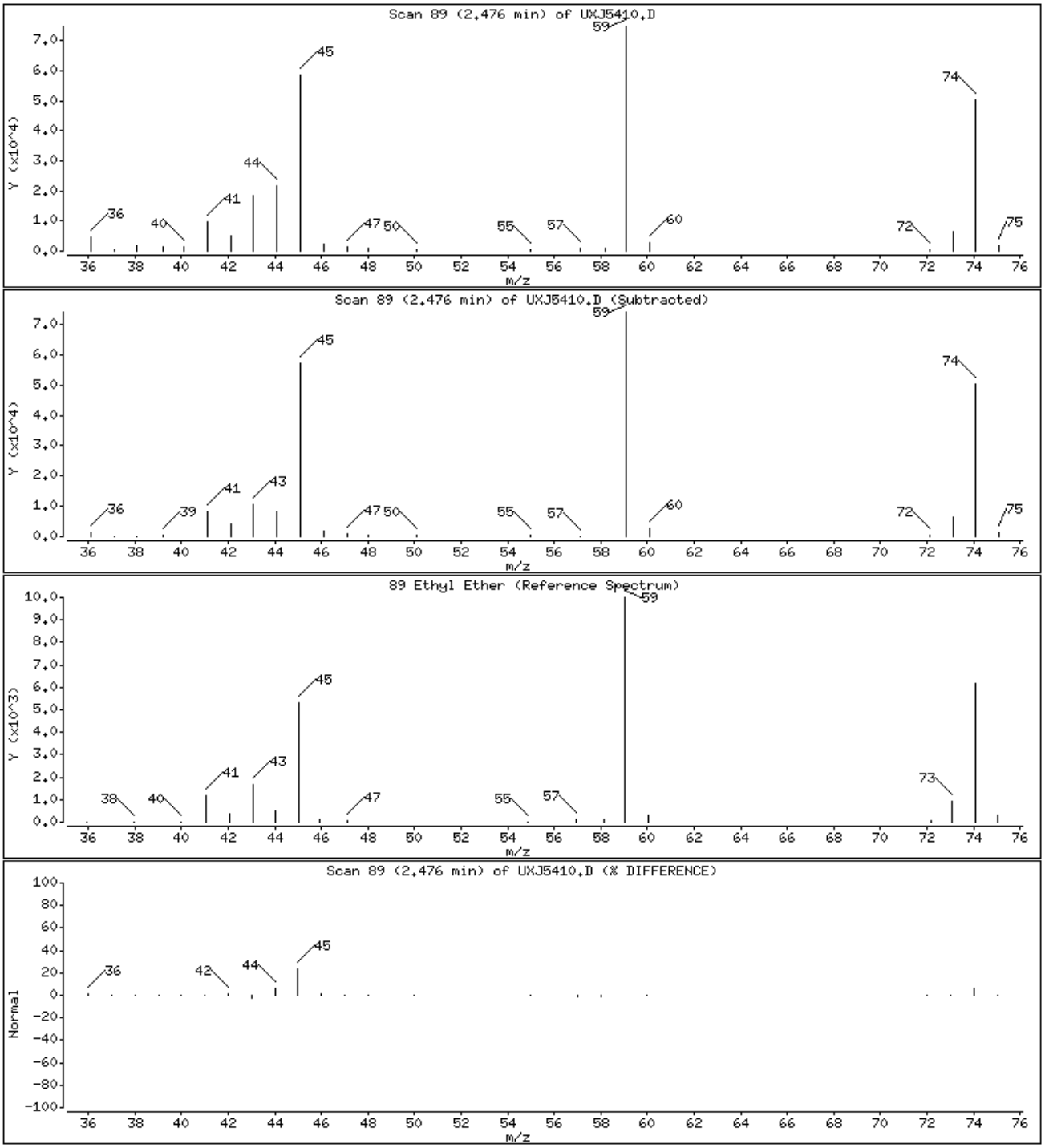
Client ID: MW-104 Instrument: a3ux11.i

Sample Info: HEN7K1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 6.286 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-402

GC/MS Volatiles

Lot-Sample #...: A5F300251-015 **Work Order #...:** HEN7M1AK **Matrix.....:** WG
Date Sampled...: 06/29/05 17:30 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	0.74
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	99	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5411.D
Report Date: 12-Jul-2005 09:30

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5411.D
Lab Smp Id: HEN7M1AK Client Smp ID: MW-402
Inj Date : 11-JUL-2005 21:42
Operator : 43582 Inst ID: a3ux11.i
Smp Info : HEN7M1AK,5ML/5ML
Misc Info : J50711A,8260LLUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1714688	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1538405	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	877677	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	379541	46.7988	9.360
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	533372	49.5342	9.907
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1694979	50.0927	10.018
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	793941	47.7755	9.555
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5411.D
Report Date: 12-Jul-2005 09:30

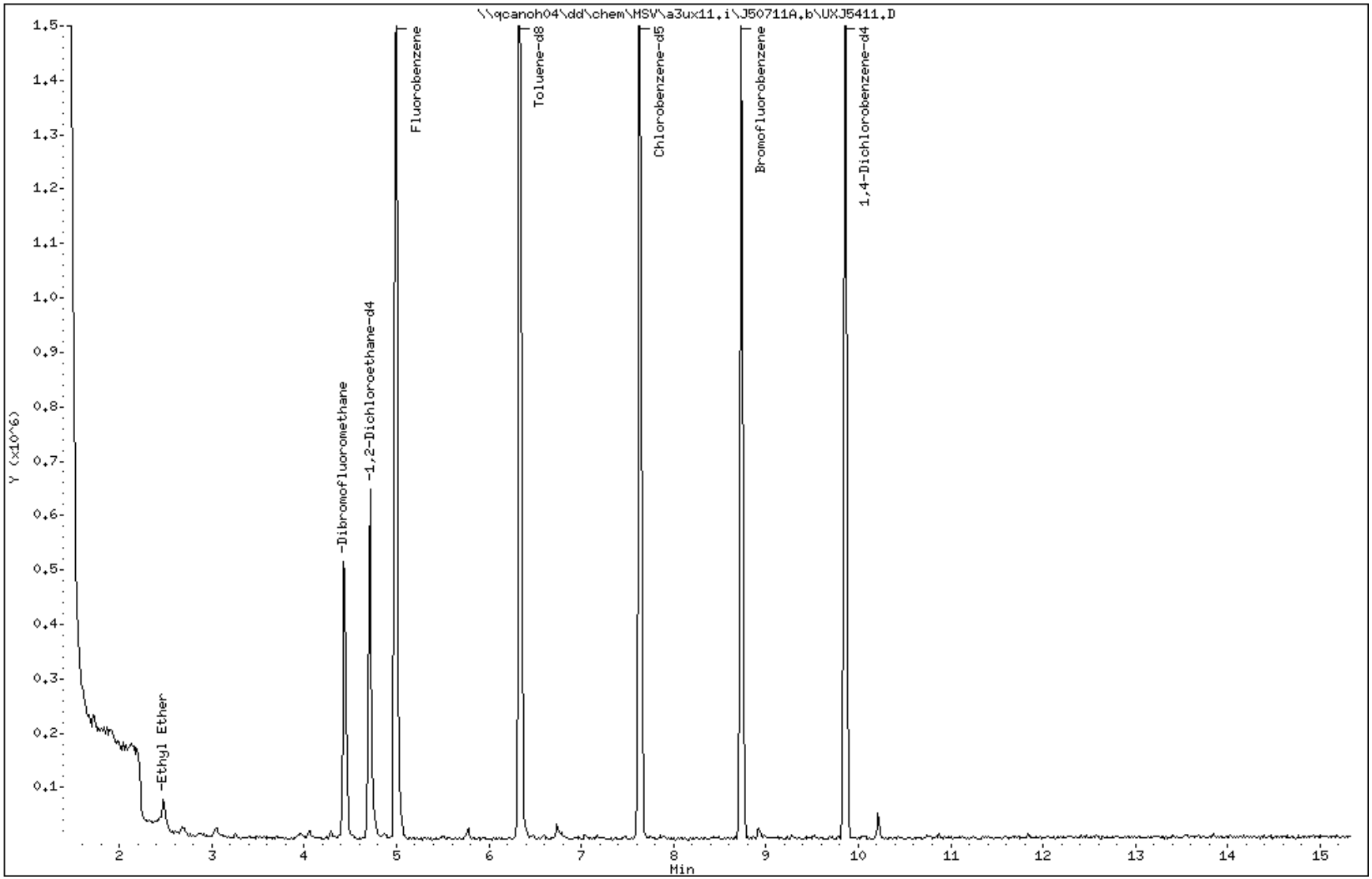
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5411.D
Report Date: 12-Jul-2005 09:30

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	2.476	2.476	(0.496)	36544	5.68121	1.136
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5411.D
Date : 11-JUL-2005 21:42
Client ID: MW-402
Instrument: a3ux11.i
Sample Info: HEN7M1AK,5ML/5ML
Purge Volume: 5.0
Operator: 43582
Column phase: DB624
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5411.D

Date : 11-JUL-2005 21:42

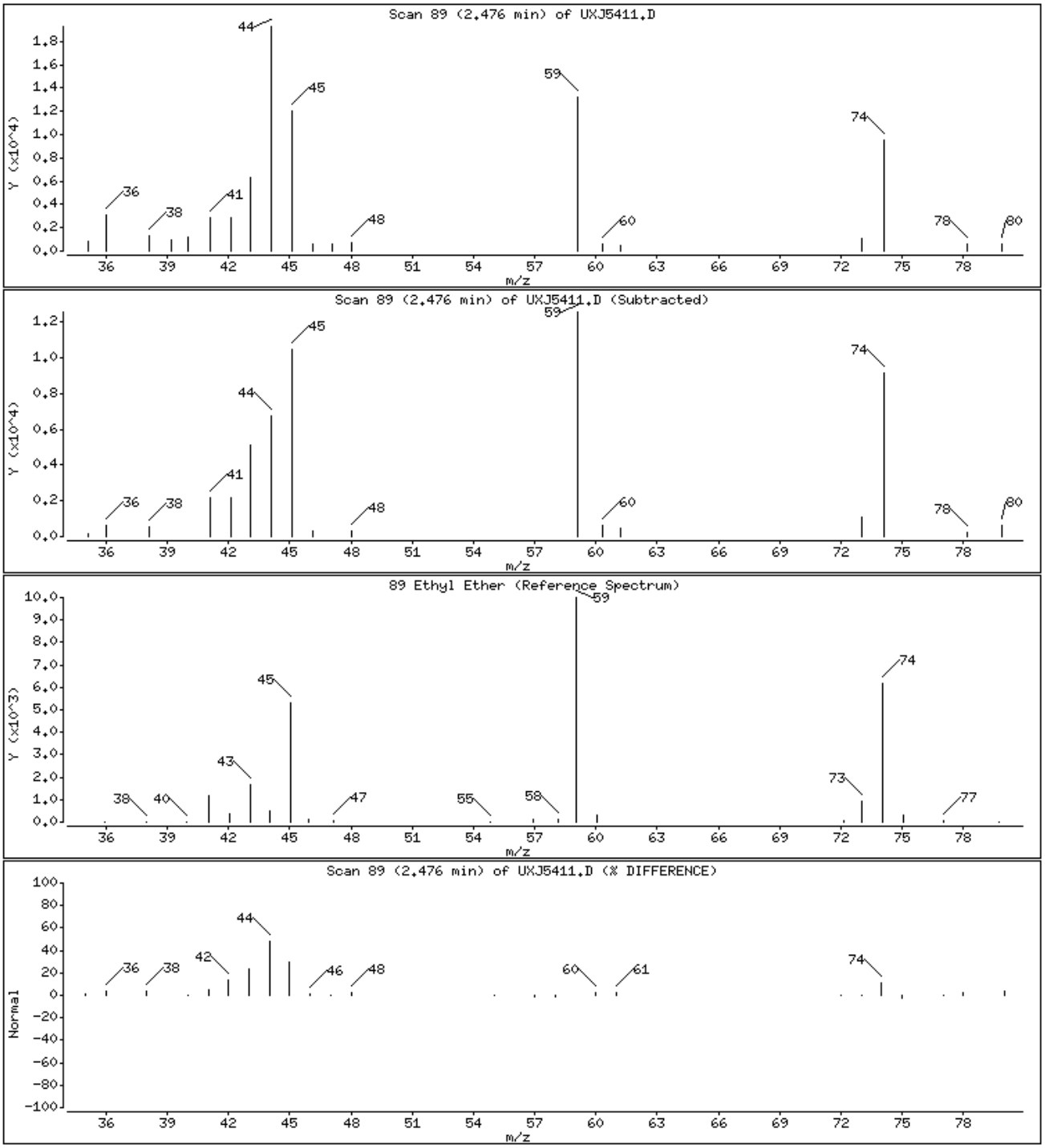
Client ID: MW-402 Instrument: a3ux11.i

Sample Info: HEN7M1AK,5ML/5ML

Purge Volume: 5.0 Operator: 43582

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 1.136 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-401

GC/MS Volatiles

Lot-Sample #...: A5F300251-016 **Work Order #...:** HEN7P1AK **Matrix.....:** WG
Date Sampled...: 06/29/05 18:22 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193076
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.86 J**	**10**	**ug/L**	**0.74**
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	113	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0647.D
Report Date: 11-Jul-2005 15:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0647.D
Lab Smp Id: HEN7P1AK Client Smp ID: MW-401
Inj Date : 11-JUL-2005 13:50
Operator : 1754 Inst ID: a3ux15.i
Smp Info : HEN7P1AK,5ML/5ML
Misc Info : C50711A,8260LLUX15,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	953762	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	611649	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.565	9.566	(1.000)	317572	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.158	(0.882)	204519	54.6680	10.934
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	251201	56.3976	11.280
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	655510	49.0570	9.811
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	215867	45.3297	9.066
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.355	2.356	(0.500)	10208	4.28137	0.8563
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

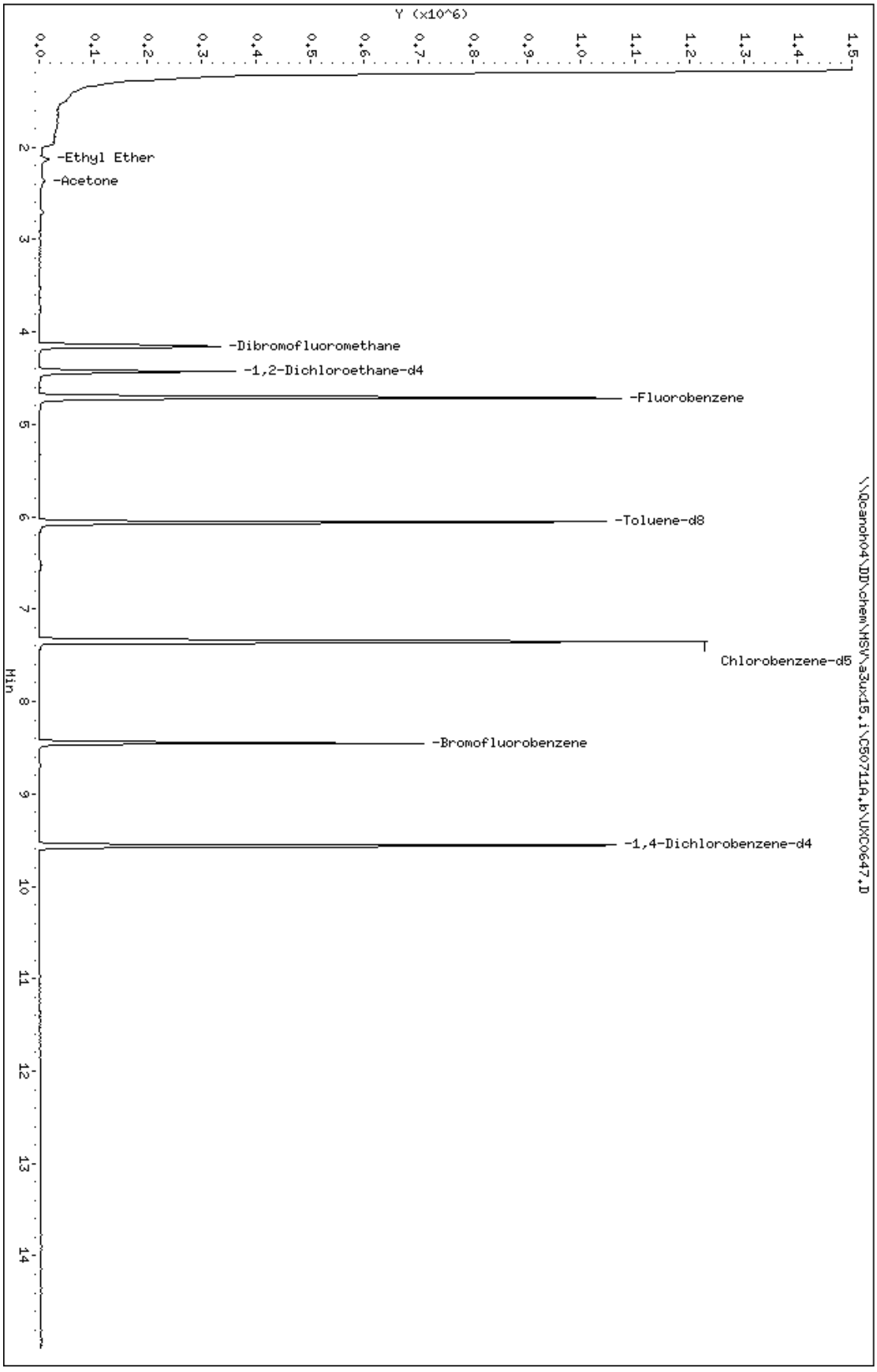
Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0647.D
Report Date: 11-Jul-2005 15:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0647.D
Report Date: 11-Jul-2005 15:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	2.130	2.130	(0.452)	10583	3.09820	0.6196
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\Qcanoh04\DD\chem\MSV\a3ux15,i\C50711A,b\UXC0647.D
Date : 11-JUL-2005 13:50
Client ID: MW-401
Sample Info: HEN7P14K,5ML/5ML
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux15,i
Operator: 1754
Column diameter: 0.18
Y (x10^6)
-Ethyl Ether
-Acetone
-Dibromofluoromethane
-1,2-Dichloroethane-d4
-Fluorobenzene
-Toluene-d8
Chlorobenzene-d5
-Bromofluorobenzene
-1,4-Dichlorobenzene-d4
Min
\\Qcanoh04\DD\chem\MSV\a3ux15,i\C50711A,b\UXC0647.D

Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0647.D

Date : 11-JUL-2005 13:50

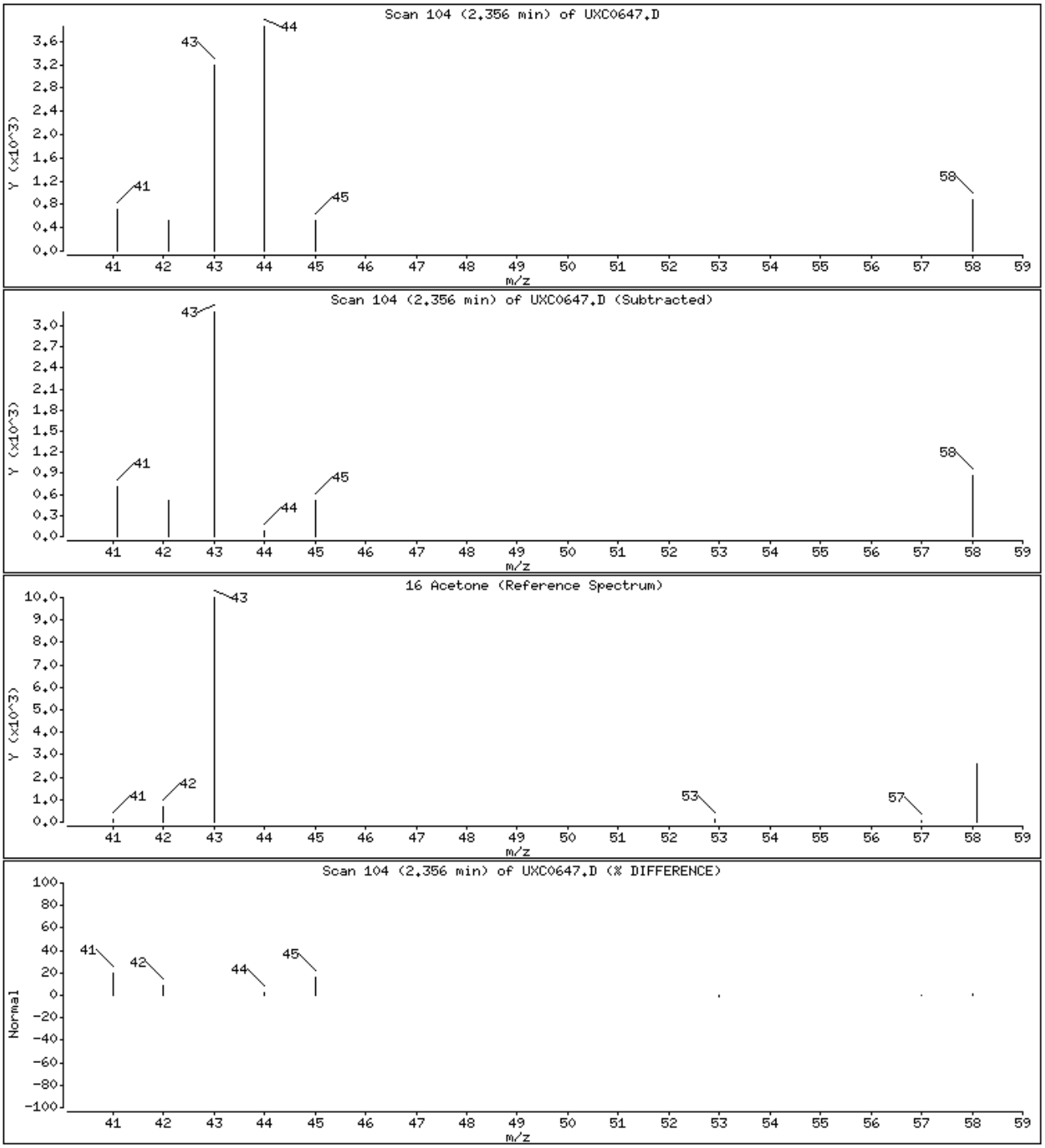
Client ID: MW-401 Instrument: a3ux15.i

Sample Info: HEN7P1AK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.8563 ug/L



Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0647.D

Date : 11-JUL-2005 13:50

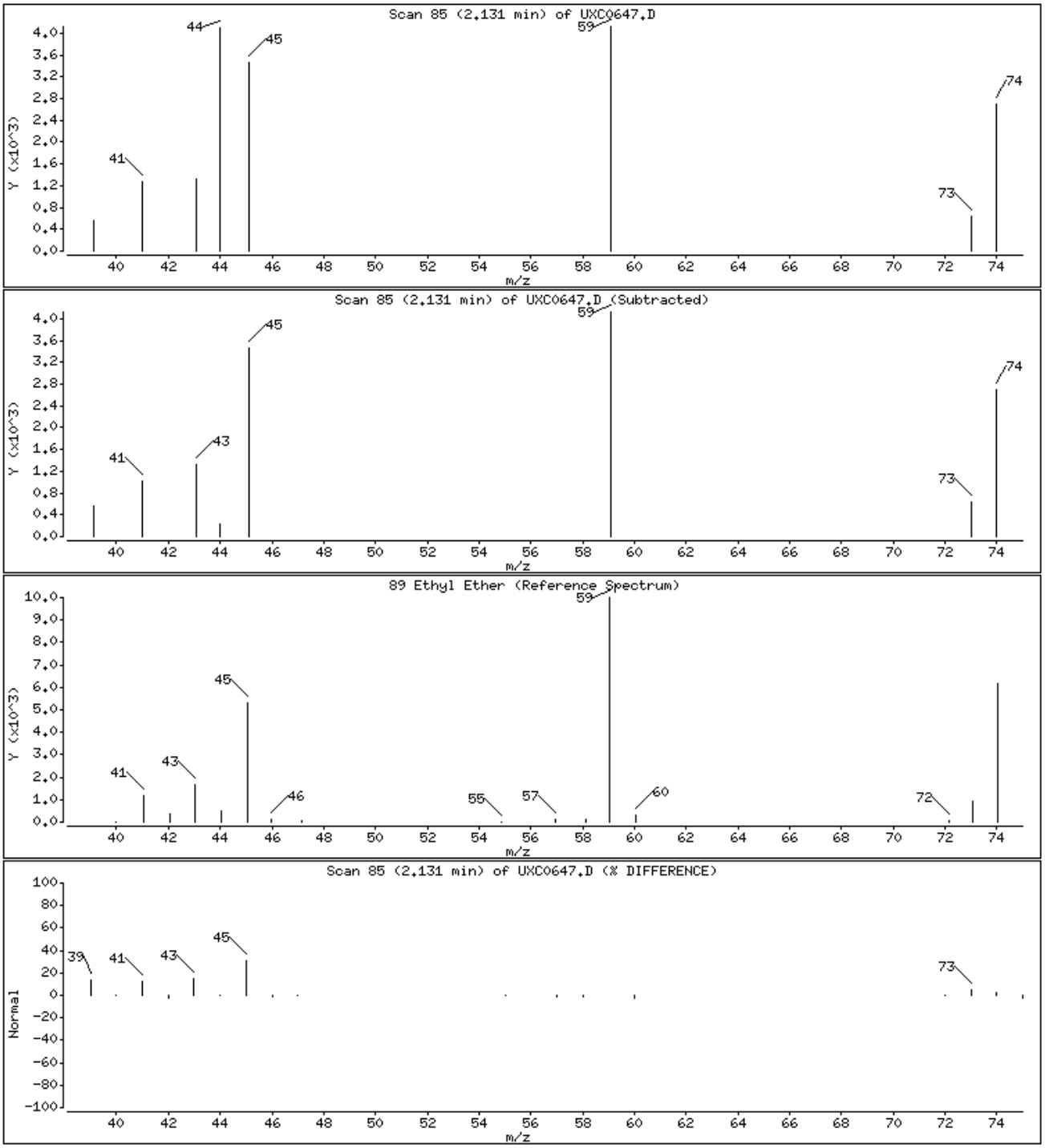
Client ID: MW-401 Instrument: a3ux15.i

Sample Info: HEN7P1AK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

89 Ethyl Ether Concentration: 0.6196 ug/L



Matrix Environmental, Inc.

Client Sample ID: MW-102

GC/MS Volatiles

Lot-Sample #...: A5F300251-017 **Work Order #...:** HEPDT1AK **Matrix.....:** WG
Date Sampled...: 06/28/05 18:30 **Date Received..:** 06/30/05
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193076
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**0.86 J**	**10**	**ug/L**	**0.74**
Benzene	ND	1.0	ug/L	0.22
Bromodichloromethane	ND	1.0	ug/L	0.14
2-Butanone	ND	10	ug/L	0.39
Chlorobenzene	ND	1.0	ug/L	0.20
Chloroethane	ND	1.0	ug/L	0.24
Chloroform	ND	1.0	ug/L	0.16
1,2-Dichlorobenzene	ND	1.0	ug/L	0.20
1,3-Dichlorobenzene	ND	1.0	ug/L	0.18
1,4-Dichlorobenzene	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.16
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.35
Ethylbenzene	ND	1.0	ug/L	0.19
Methylene chloride	ND	1.0	ug/L	0.19
4-Methyl-2-pentanone	ND	10	ug/L	0.32
Styrene	ND	1.0	ug/L	0.13
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.22
Tetrachloroethene	ND	1.0	ug/L	0.19
Toluene	ND	1.0	ug/L	0.17
Trichloroethene	ND	1.0	ug/L	0.28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	0.26
Vinyl chloride	ND	1.0	ug/L	0.21
Xylenes (total)	ND	1.0	ug/L	0.44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(73 - 122)
1,2-Dichloroethane-d4	114	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	93	(74 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0648.D
Report Date: 11-Jul-2005 15:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0648.D
Lab Smp Id: HENDT1AK
Inj Date : 11-JUL-2005 14:13
Operator : 1754 Inst ID: a3ux15.i
Smp Info : HENDT1AK,5ML/5ML
Misc Info : C50711A,8260LLUX15,,1754
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	937286	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	598822	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.566	9.566	(1.000)	319333	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.158	(0.882)	202355	55.0404	11.008
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	250517	57.2327	11.446
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	646821	49.4437	9.889
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	215998	46.3288	9.266
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	2.356	2.356	(0.500)	10098	4.30969	0.8619
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0648.D
Report Date: 11-Jul-2005 15:05

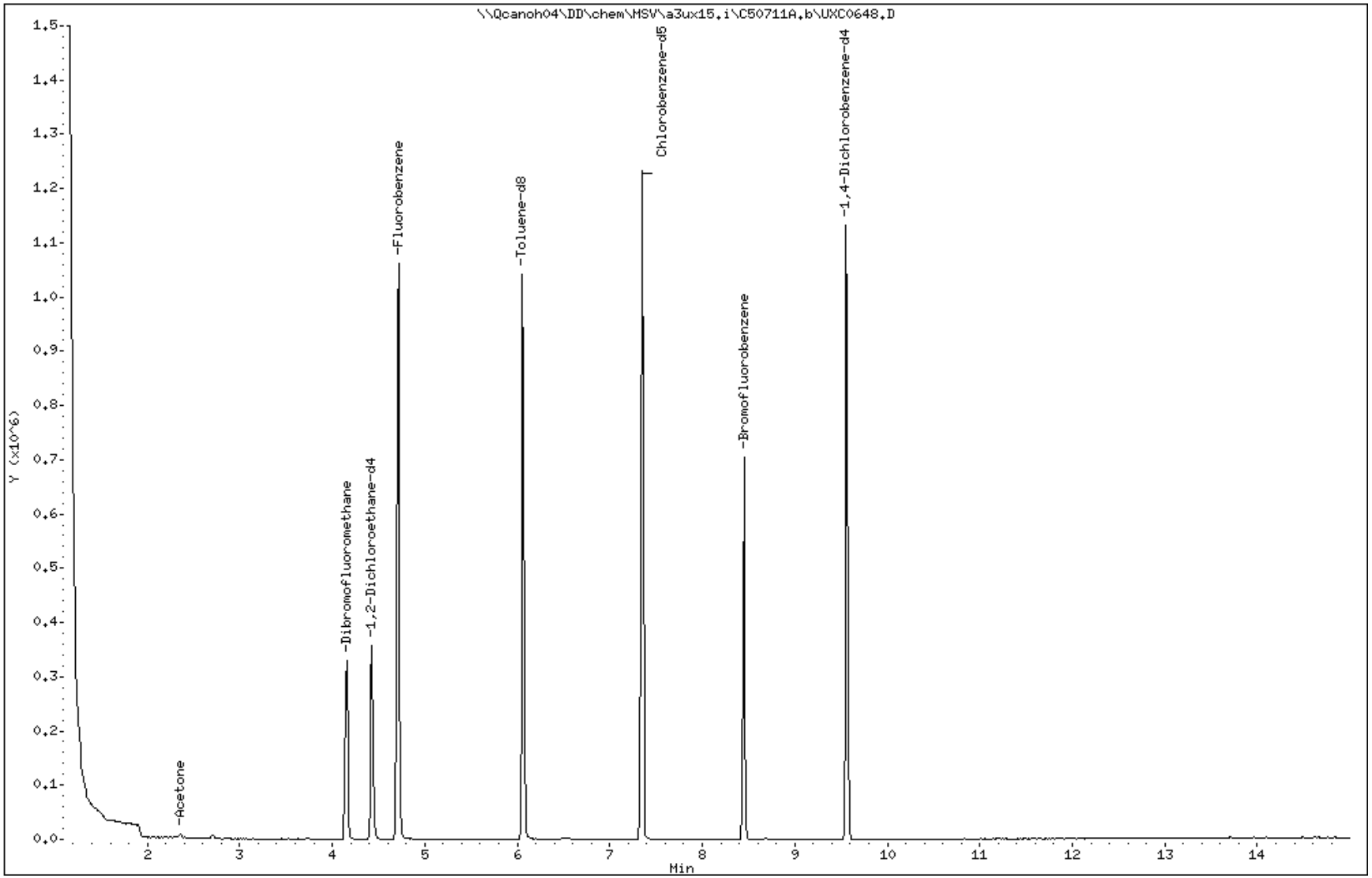
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0648.D
Report Date: 11-Jul-2005 15:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0648.D
Date : 11-JUL-2005 14:13
Client ID: MW-102 Instrument: a3ux15.i
Sample Info: HEPDT1AK,5ML/5ML
Purge Volume: 5.0 Operator: 1754
Column phase: DB624 Column diameter: 0.18



Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0648.D

Date : 11-JUL-2005 14:13

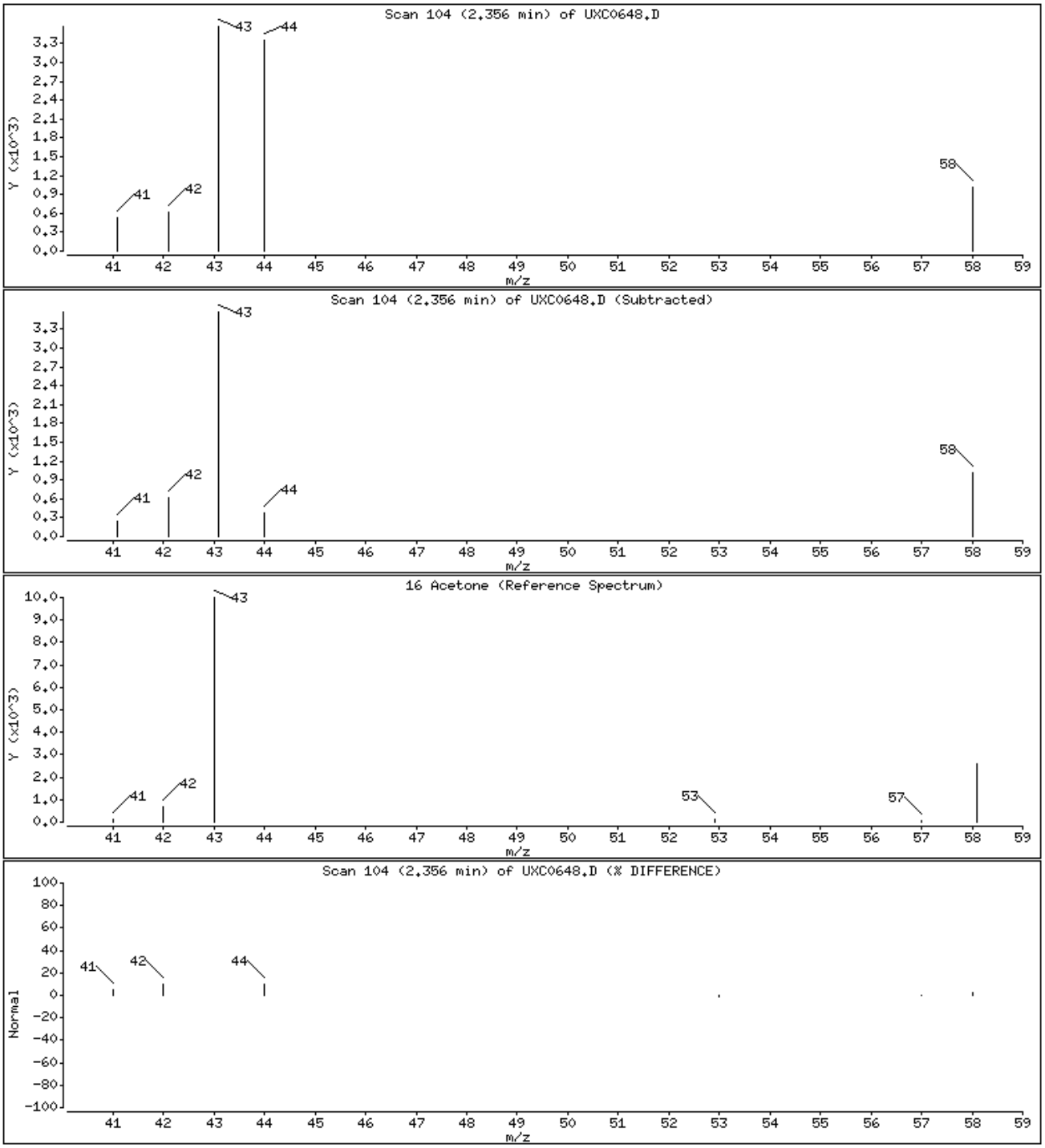
Client ID: MW-102 Instrument: a3ux15.i

Sample Info: HEPDT1AK,5ML/5ML

Purge Volume: 5.0 Operator: 1754

Column phase: DB624 Column diameter: 0.18

16 Acetone Concentration: 0.8619 ug/L



STANDARD DATA

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Start Cal Date: 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
22-JUN-2005 13:29	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4779.D
22-JUN-2005 10:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Cal Level: 2 , Cal Amount: 10.00000		
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22-JUN-2005 10:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Cal Level: 3 , Cal Amount: 25.00000		
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22-JUN-2005 10:48	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Cal Level: 4 , Cal Amount: 50.00000		
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22-JUN-2005 11:10	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Cal Level: 5 , Cal Amount: 100.00000		
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22-JUN-2005 13:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Cal Level: 6 , Cal Amount: 200.00000		
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22-JUN-2005 12:22	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

22-JUN-2005 14:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
22-JUN-2005 11:10	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D

Report Date : 22-Jun-2005 16:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Last Edit : 22-Jun-2005 15:58 a3ux11.i
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4779.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4780.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4781.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
Level 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4783.D
Level 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4784.D

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
8	Dichlorodifluoromethane	0.40655	0.34058	0.32503	0.31374	0.30006	0.32232	0.33471	11.245	
9	Chloromethane	0.33362	0.29354	0.30878	0.28752	0.31891	0.29646	0.30647	5.696	
10	Vinyl Chloride	0.33898	0.33621	0.27407	0.30274	0.36734	0.33420	0.32559	9.986	
11	Bromomethane	0.10532	0.10398	0.08054	0.09875	0.13207	0.11259	0.10554	16.008	
12	Chloroethane	0.15544	0.16445	0.15942	0.15822	0.15858	0.15055	0.15778	2.915	
13	Trichlorofluoromethane	0.25277	0.25673	0.24505	0.27254	0.28074	0.27421	0.26367	5.350	
14	Dichlorofluoromethane	0.46001	0.23753	0.27512	0.23100	0.25679	0.24211	0.28376	30.932	
15	Acrolein	0.02888	0.02679	0.02755	0.02610	0.02642	0.02488	0.02677	5.062	
16	Acetone	0.19530	0.13782	0.08948	0.08156	0.07312	0.06071	0.10633	47.933	
17	1,1-Dichloroethene	0.29213	0.27592	0.23394	0.24611	0.28302	0.27399	0.26752	8.432	
18	Freon-113	0.23338	0.24037	0.22270	0.22679	0.22908	0.24063	0.23216	3.156	
19	Iodomethane	0.36281	0.33544	0.26581	0.32536	0.42964	0.37784	0.34948	15.770	
20	Carbon Disulfide	0.87909	0.84449	0.79291	0.82321	0.85657	0.82511	0.83690	3.579	
21	Methylene Chloride	1.12248	0.65038	0.41131	0.32977	0.32003	0.28099	0.51916	62.421	<-
22	Acetonitrile	0.03449	0.02669	0.02695	0.02655	0.02757	0.02525	0.02792	11.849	
23	Acrylonitrile	0.07690	0.07542	0.07810	0.07713	0.07728	0.07242	0.07621	2.690	
24	Methyl tert-butyl ether	0.71592	0.67814	0.67187	0.67775	0.70433	0.64677	0.68246	3.604	
25	trans-1,2-Dichloroethene	0.28027	0.26018	0.24093	0.25193	0.26911	0.24986	0.25871	5.508	
26	Hexane	0.09657	0.08509	0.07229	0.07505	0.06622	0.07036	0.07760	14.494	
27	Vinyl acetate	0.45053	0.43103	0.44838	0.41454	0.43146	0.39355	0.42825	5.021	
28	1,1-Dichloroethane	0.47522	0.46133	0.43740	0.43687	0.46179	0.42300	0.44927	4.407	
29	tert-Butyl Alcohol	0.02039	0.01572	0.01744	0.01717	0.01783	0.01583	0.01739	9.778	
30	2-Butanone	0.16199	0.11269	0.11917	0.11068	0.10163	0.09222	0.11640	20.814	
M 31	1,2-Dichloroethene (total)	0.28807	0.27778	0.25459	0.25900	0.27510	0.25604	0.26843	5.140	
32	cis-1,2-dichloroethene	0.29587	0.29537	0.26824	0.26606	0.28109	0.26222	0.27814	5.375	
33	2,2-Dichloropropane	0.31547	0.29013	0.28073	0.28231	0.30850	0.26921	0.29106	6.072	
34	Bromochloromethane	0.14896	0.13325	0.12353	0.13166	0.13406	0.12459	0.13268	6.887	
35	Chloroform	0.45614	0.42619	0.42047	0.41495	0.44848	0.41518	0.43024	4.126	

Report Date : 22-Jun-2005 16:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Last Edit : 22-Jun-2005 15:58 a3ux11.i
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.15761	0.11802	0.08248	0.07299	0.06815	0.06017	0.09324	40.150	
	37 1,1,1-Trichloroethane	0.34175	0.35682	0.33905	0.35485	0.36057	0.33626	0.34822	2.983	
	38 1,1-Dichloropropene	0.39615	0.36423	0.34905	0.35710	0.36755	0.34775	0.36364	4.890	
	39 Carbon Tetrachloride	0.32605	0.30854	0.30391	0.30402	0.32053	0.30659	0.31161	3.009	
	40 1,2-Dichloroethane	0.36039	0.34205	0.33345	0.33843	0.35700	0.32305	0.34240	4.145	
	41 Benzene	2.21790	1.57142	1.28180	1.16356	1.16479	1.08483	1.41405	30.363	
	42 Trichloroethene	0.32165	0.29246	0.28427	0.28067	0.30693	0.28769	0.29561	5.308	
	43 1,2-Dichloropropane	0.29863	0.27747	0.27346	0.26709	0.28272	0.26300	0.27706	4.586	
	44 1,4-Dioxane	0.00190	0.00184	0.00214	0.00201	0.00243	0.00221	0.00209	10.549	<-
	45 Dibromomethane	0.16809	0.15151	0.14287	0.14491	0.15186	0.14154	0.15013	6.533	
	46 Bromodichloromethane	0.34804	0.33740	0.33661	0.33072	0.35559	0.33573	0.34068	2.714	
	47 2-Chloroethyl vinyl ether	0.17644	0.16873	0.16722	0.16886	0.17055	0.16325	0.16918	2.561	
	48 cis-1,3-Dichloropropene	0.48933	0.47147	0.46167	0.47020	0.49849	0.46660	0.47630	3.015	
	49 4-Methyl-2-pentanone	0.28499	0.27166	0.27282	0.25800	0.26740	0.24204	0.26615	5.520	
	50 Toluene	1.36425	1.34570	1.27718	1.28833	1.35663	1.23946	1.31192	3.871	
	51 trans-1,3-Dichloropropene	0.49512	0.45421	0.44097	0.46560	0.47664	0.43945	0.46200	4.678	
	52 Ethyl Methacrylate	0.43471	0.39306	0.39785	0.41047	0.41242	0.38377	0.40538	4.428	
	53 1,1,2-Trichloroethane	0.28530	0.24855	0.24299	0.24809	0.25849	0.23867	0.25368	6.643	
	54 1,3-Dichloropropane	0.46113	0.45611	0.45702	0.46116	0.47770	0.43689	0.45833	2.857	
	55 Tetrachloroethene	0.28181	0.27947	0.27006	0.28031	0.28911	0.26794	0.27812	2.829	
	56 2-Hexanone	0.23226	0.21511	0.22247	0.21777	0.21515	0.17785	0.21343	8.708	
	57 Dibromochloromethane	0.30887	0.26621	0.27742	0.27783	0.29726	0.27795	0.28426	5.513	
	58 1,2-Dibromoethane	0.29299	0.26388	0.26190	0.26746	0.28170	0.25505	0.27050	5.220	
	59 Chlorobenzene	1.01258	0.98934	0.95901	0.97326	1.04070	0.94694	0.98697	3.545	
	60 1,1,1,2-Tetrachloroethane	0.34311	0.32891	0.31881	0.33208	0.34581	0.32482	0.33226	3.153	
	61 Ethylbenzene	0.53762	0.55763	0.53023	0.54237	0.57833	0.53461	0.54680	3.311	
	62 m + p-Xylene	0.71545	0.71121	0.66742	0.67923	0.73819	0.67798	0.69825	3.939	
M	63 Xylenes (total)	0.70354	0.69964	0.66344	0.67764	0.73065	0.66781	0.69045	3.708	
	64 Xylene-o	0.67970	0.67650	0.65549	0.67447	0.71557	0.64747	0.67487	3.512	
	65 Styrene	1.22684	1.19356	1.14272	1.17045	1.24249	1.13408	1.18502	3.721	
	66 Bromoform	0.18814	0.17895	0.18142	0.18528	0.19033	0.18457	0.18478	2.267	
	67 Isopropylbenzene	1.66900	1.62750	1.58062	1.60916	1.71149	1.57194	1.62828	3.295	
	68 1,1,2,2-Tetrachloroethane	0.57283	0.56876	0.55555	0.57501	0.58057	0.52256	0.56255	3.790	
	69 1,4-Dichloro-2-butene	0.19766	0.19194	0.17793	0.18119	0.18965	0.17586	0.18570	4.665	
	70 1,2,3-Trichloropropane	0.21178	0.20222	0.19600	0.18916	0.19026	0.17365	0.19384	6.684	
	71 Bromobenzene	0.78313	0.77266	0.74472	0.75506	0.79921	0.72999	0.76413	3.356	

Report Date : 22-Jun-2005 16:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Last Edit : 22-Jun-2005 15:58 a3ux11.i
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
72	n-Propylbenzene	0.84017	0.84256	0.80747	0.82368	0.87825	0.81056	0.83378	3.141	
73	2-Chlorotoluene	0.77743	0.70729	0.71151	0.69343	0.73708	0.68275	0.71825	4.782	
74	1,3,5-Trimethylbenzene	2.49712	2.48061	2.38828	2.40972	2.60722	2.39519	2.46303	3.411	
75	4-Chlorotoluene	0.74881	0.74721	0.72279	0.73396	0.77976	0.72125	0.74230	2.929	
76	tert-Butylbenzene	2.23895	2.19198	2.13183	2.15363	2.27964	2.09208	2.18135	3.195	
77	1,2,4-Trimethylbenzene	2.68972	2.58765	2.47916	2.50403	2.70782	2.45703	2.57090	4.225	
78	sec-Butylbenzene	3.04009	2.98789	2.95583	2.95480	3.13663	2.91377	2.99817	2.661	
79	4-Isopropyltoluene	2.57987	2.52216	2.50232	2.53771	2.73404	2.47192	2.55800	3.654	
80	1,3-Dichlorobenzene	1.57691	1.46889	1.42760	1.43323	1.54124	1.39434	1.47370	4.827	
81	1,4-Dichlorobenzene	1.57328	1.49451	1.46540	1.46650	1.58296	1.43219	1.50248	4.120	
82	n-Butylbenzene	2.17643	2.17905	2.13902	2.17325	2.34749	2.11676	2.18867	3.731	
83	1,2-Dichlorobenzene	1.40677	1.38045	1.34662	1.35759	1.44446	1.28211	1.36967	4.056	
84	1,2-Dibromo-3-chloropropane	0.12649	0.11303	0.10801	0.11459	0.10670	0.09169	0.11008	10.377	
85	1,2,4-Trichlorobenzene	0.58328	0.52482	0.49423	0.50122	0.52060	+++++	0.52483	6.688	
86	Hexachlorobutadiene	0.34602	0.35027	0.32632	0.31577	0.32409	0.23653	0.31650	13.074	
87	Naphthalene	0.80550	0.72015	0.65907	0.68816	0.66950	+++++	0.70848	8.327	
88	1,2,3-Trichlorobenzene	0.10484	0.10572	0.07982	0.08582	0.08564	+++++	0.09237	13.029	
89	Ethyl Ether	0.21859	0.19168	0.17892	0.17608	0.18483	0.17530	0.18757	8.741	
90	Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91	3-Chloropropene	0.13347	0.13061	0.12274	0.12354	0.12764	0.12271	0.12679	3.590	
92	Isopropyl Ether	0.23467	0.22047	0.22540	0.22602	0.23307	0.22443	0.22734	2.391	
93	2-Chloro-1,3-butadiene	0.42887	0.42454	0.40088	0.39543	0.39670	0.39478	0.40687	3.828	
94	Propionitrile	0.03551	0.03153	0.02954	0.02774	0.02868	0.02827	0.03021	9.651	
95	Ethyl Acetate	0.24085	0.21988	0.20184	0.19217	0.20863	0.19546	0.20981	8.651	
96	Methacrylonitrile	0.13901	0.14131	0.15112	0.13747	0.14635	0.13937	0.14244	3.687	
97	Isobutanol	0.00723	0.00690	0.00598	0.00590	0.00717	0.00643	0.00660	8.859	<-
98	Cyclohexane	0.58094	0.53263	0.51347	0.51970	0.52022	0.53403	0.53350	4.606	
99	n-Butanol	0.00593	0.00624	0.00583	0.00531	0.00643	0.00564	0.00590	6.873	<-
100	Methyl Methacrylate	0.23208	0.22692	0.21984	0.22015	0.23160	0.21906	0.22494	2.688	
101	2-Nitropropane	0.05451	0.04826	0.04896	0.04542	0.05171	0.04951	0.04973	6.240	
102	Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103	Cyclohexanone	0.01891	0.01863	0.01723	0.01593	0.01783	0.01586	0.01740	7.504	
104	Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105	Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134	Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135	Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 22-Jun-2005 16:01

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux11.i\Dummy.b\8260LLUX11.m
Last Edit : 22-Jun-2005 15:58 a3ux11.i
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
	136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M	137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	141 1,3,5-Trichlorobenzene	1.02881	0.98648	0.94814	0.96475	1.01895	0.81968	0.96113	7.891	
	143 Methyl Acetate	0.20542	0.18142	0.17304	0.17276	0.17205	0.15668	0.17689	9.109	
	144 Methylcyclohexane	0.54366	0.51114	0.48850	0.48150	0.46727	0.49827	0.49839	5.356	
	145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	146 2-Methylnaphthalene	0.04136	0.04938	0.04157	0.04319	0.04345	0.04541	0.04406	6.786	
	147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
	148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$	4 Dibromofluoromethane	0.25200	0.22832	0.22999	0.23012	0.25034	0.22816	0.23649	4.827	
$	5 1,2-Dichloroethane-d4	0.35425	0.31630	0.31090	0.29172	0.31914	0.29161	0.31399	7.345	
$	6 Toluene-d8	1.07853	1.08819	1.11700	1.09547	1.16124	1.05799	1.09974	3.260	
$	7 Bromofluorobenzene	0.58064	0.54623	0.53325	0.52177	0.55983	0.49894	0.54011	5.332	

eport Date : 22-Jun-2005 15:57

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
nd Cal Date : 22-JUN-2005 15:15
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

alibration File Names:
evel 1: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4779.D
evel 2: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4780.D
evel 3: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4781.D
evel 4: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
evel 5: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4783.D
evel 6: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4784.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
8 Dichlorodifluoromethane	0.40655	0.34058	0.32503	0.31374	0.30006	0.32232	AVRG		0.33471		11.24467
9 Chloromethane	0.33362	0.29354	0.30878	0.28752	0.31891	0.29646	AVRG		0.30647		5.69586
10 Vinyl Chloride	0.33898	0.33621	0.27407	0.30274	0.36734	0.33420	AVRG		0.32559		9.98634
11 Bromomethane	20613	40337	78967	193528	491925	866133	QUAD	0.14181	6.29100	4.85891	0.99242
12 Chloroethane	0.15544	0.16445	0.15942	0.15822	0.15858	0.15055	AVRG		0.15778		2.91541
13 Trichlorofluoromethane	0.25277	0.25673	0.24505	0.27254	0.28074	0.27421	AVRG		0.26367		5.34952
14 Dichlorofluoromethane	85428	88306	253645	418239	941299	1749928	WLINR	-0.05882	0.23970		0.99278
15 Acrolein	0.02888	0.02679	0.02755	0.02610	0.02642	0.02488	AVRG		0.02677		5.06233
16 Acetone	76446	106930	175468	319695	544714	933995	WLINR	-0.46859	0.06139		0.99268
17 1,1-Dichloroethene	0.29213	0.27592	0.23394	0.24611	0.28302	0.27399	AVRG		0.26752		8.43223
18 Freon-113	0.23338	0.24037	0.22270	0.22679	0.22908	0.24063	AVRG		0.23216		3.15642
19 Iodomethane	71008	130127	260614	637640	1600260	2906620	QUAD	0.12877	2.04379	0.32818	0.99366
20 Carbon Disulfide	0.87909	0.84449	0.79291	0.82321	0.85657	0.82511	AVRG		0.83690		3.57912
21 Methylene Chloride	219686	252304	403272	646293	1192005	2161558	WLINR	-0.31048	0.26350		0.99717

eport Date : 22-Jun-2005 15:57

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
nd Cal Date : 22-JUN-2005 15:15
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Acetonitrile	0.03449	0.02669	0.02695	0.02655	0.02757	0.02525	AVRG		0.02792		11.84930
23 Acrylonitrile	0.07690	0.07542	0.07810	0.07713	0.07728	0.07242	AVRG		0.07621		2.69017
24 Methyl tert-butyl ether	0.71592	0.67814	0.67187	0.67775	0.70433	0.64677	AVRG		0.68246		3.60402
25 trans-1,2-Dichloroethene	0.28027	0.26018	0.24093	0.25193	0.26911	0.24986	AVRG		0.25871		5.50786
26 Hexane	0.09657	0.08509	0.07229	0.07505	0.06622	0.07036	AVRG		0.07760		14.49399
27 Vinyl acetate	0.45053	0.43103	0.44838	0.41454	0.43146	0.39355	AVRG		0.42825		5.02092
28 1,1-Dichloroethane	0.47522	0.46133	0.43740	0.43687	0.46179	0.42300	AVRG		0.44927		4.40721
29 tert-Butyl Alcohol	0.02039	0.01572	0.01744	0.01717	0.01783	0.01583	AVRG		0.01739		9.77786
30 2-Butanone	63406	87435	233674	433822	757108	1418851	WLINR	-0.14118	0.09536		0.99457
31 1,2-Dichloroethene (total)	0.28807	0.27778	0.25459	0.25900	0.27510	0.25604	AVRG		0.26843		5.13950
32 cis-1,2-dichloroethene	0.29587	0.29537	0.26824	0.26606	0.28109	0.26222	AVRG		0.27814		5.37473
33 2,2-Dichloropropane	0.31547	0.29013	0.28073	0.28231	0.30850	0.26921	AVRG		0.29106		6.07176
34 Bromochloromethane	0.14896	0.13325	0.12353	0.13166	0.13406	0.12459	AVRG		0.13268		6.88715
35 Chloroform	0.45614	0.42619	0.42047	0.41495	0.44848	0.41518	AVRG		0.43024		4.12633
36 Tetrahydrofuran	30847	45785	80867	143052	253848	462849	WLINR	-0.17762	0.05996		0.99719
37 1,1,1-Trichloroethane	0.34175	0.35682	0.33905	0.35485	0.36057	0.33626	AVRG		0.34822		2.98289
38 1,1-Dichloropropene	0.39615	0.36423	0.34905	0.35710	0.36755	0.34775	AVRG		0.36364		4.89001
39 Carbon Tetrachloride	0.32605	0.30854	0.30391	0.30402	0.32053	0.30659	AVRG		0.31161		3.00918
40 1,2-Dichloroethane	0.36039	0.34205	0.33345	0.33843	0.35700	0.32305	AVRG		0.34240		4.14537
41 Benzene	434076	609604	1256750	2280367	4338423	8345209	WLINR	-0.10240	1.07125		0.99929
42 Trichloroethene	0.32165	0.29246	0.28427	0.28067	0.30693	0.28769	AVRG		0.29561		5.30751
43 1,2-Dichloropropane	0.29863	0.27747	0.27346	0.26709	0.28272	0.26300	AVRG		0.27706		4.58618

eport Date : 22-Jun-2005 15:57

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
nd Cal Date : 22-JUN-2005 15:15
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
44 1,4-Dioxane	0.00190	0.00184	0.00214	0.00201	0.00243	0.00221	AVRG		0.00209		10.54888	<-
45 Dibromomethane	0.16809	0.15151	0.14287	0.14491	0.15186	0.14154	AVRG		0.15013		6.53301	
46 Bromodichloromethane	0.34804	0.33740	0.33661	0.33072	0.35559	0.33573	AVRG		0.34068		2.71450	
47 2-Chloroethyl vinyl ether	0.17644	0.16873	0.16722	0.16886	0.17055	0.16325	AVRG		0.16918		2.56112	
48 cis-1,3-Dichloropropene	0.48933	0.47147	0.46167	0.47020	0.49849	0.46660	AVRG		0.47630		3.01462	
49 4-Methyl-2-pentanone	0.28499	0.27166	0.27282	0.25800	0.26740	0.24204	AVRG		0.26615		5.52035	
50 Toluene	1.36425	1.34570	1.27718	1.28833	1.35663	1.23946	AVRG		1.31192		3.87051	
51 trans-1,3-Dichloropropene	0.49512	0.45421	0.44097	0.46560	0.47664	0.43945	AVRG		0.46200		4.67839	
52 Ethyl Methacrylate	0.43471	0.39306	0.39785	0.41047	0.41242	0.38377	AVRG		0.40538		4.42846	
53 1,1,2-Trichloroethane	0.28530	0.24855	0.24299	0.24809	0.25849	0.23867	AVRG		0.25368		6.64331	
54 1,3-Dichloropropane	0.46113	0.45611	0.45702	0.46116	0.47770	0.43689	AVRG		0.45833		2.85719	
55 Tetrachloroethene	0.28181	0.27947	0.27006	0.28031	0.28911	0.26794	AVRG		0.27812		2.82914	
56 2-Hexanone	0.23226	0.21511	0.22247	0.21777	0.21515	0.17785	AVRG		0.21343		8.70758	
57 Dibromochloromethane	0.30887	0.26621	0.27742	0.27783	0.29726	0.27795	AVRG		0.28426		5.51315	
58 1,2-Dibromoethane	0.29299	0.26388	0.26190	0.26746	0.28170	0.25505	AVRG		0.27050		5.22005	
59 Chlorobenzene	1.01258	0.98934	0.95901	0.97326	1.04070	0.94694	AVRG		0.98697		3.54489	
60 1,1,1,2-Tetrachloroethane	0.34311	0.32891	0.31881	0.33208	0.34581	0.32482	AVRG		0.33226		3.15307	
61 Ethylbenzene	0.53762	0.55763	0.53023	0.54237	0.57833	0.53461	AVRG		0.54680		3.31055	
62 m + p-Xylene	0.71545	0.71121	0.66742	0.67923	0.73819	0.67798	AVRG		0.69825		3.93902	
63 Xylenes (total)	0.70354	0.69964	0.66344	0.67764	0.73065	0.66781	AVRG		0.69045		3.70835	
64 Xylene-o	0.67970	0.67650	0.65549	0.67447	0.71557	0.64747	AVRG		0.67487		3.51246	
65 Styrene	1.22684	1.19356	1.14272	1.17045	1.24249	1.13408	AVRG		1.18502		3.72079	

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INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
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uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
66 Bromoform	0.18814	0.17895	0.18142	0.18528	0.19033	0.18457	AVRG		0.18478		2.26668
67 Isopropylbenzene	1.66900	1.62750	1.58062	1.60916	1.71149	1.57194	AVRG		1.62828		3.29526
68 1,1,2,2-Tetrachloroethane	0.57283	0.56876	0.55555	0.57501	0.58057	0.52256	AVRG		0.56255		3.78997
69 1,4-Dichloro-2-butene	0.19766	0.19194	0.17793	0.18119	0.18965	0.17586	AVRG		0.18570		4.66512
70 1,2,3-Trichloropropane	0.21178	0.20222	0.19600	0.18916	0.19026	0.17365	AVRG		0.19384		6.68402
71 Bromobenzene	0.78313	0.77266	0.74472	0.75506	0.79921	0.72999	AVRG		0.76413		3.35630
72 n-Propylbenzene	0.84017	0.84256	0.80747	0.82368	0.87825	0.81056	AVRG		0.83378		3.14072
73 2-Chlorotoluene	0.77743	0.70729	0.71151	0.69343	0.73708	0.68275	AVRG		0.71825		4.78222
74 1,3,5-Trimethylbenzene	2.49712	2.48061	2.38828	2.40972	2.60722	2.39519	AVRG		2.46303		3.41116
75 4-Chlorotoluene	0.74881	0.74721	0.72279	0.73396	0.77976	0.72125	AVRG		0.74230		2.92862
76 tert-Butylbenzene	2.23895	2.19198	2.13183	2.15363	2.27964	2.09208	AVRG		2.18135		3.19466
77 1,2,4-Trimethylbenzene	2.68972	2.58765	2.47916	2.50403	2.70782	2.45703	AVRG		2.57090		4.22525
78 sec-Butylbenzene	3.04009	2.98789	2.95583	2.95480	3.13663	2.91377	AVRG		2.99817		2.66120
79 4-Isopropyltoluene	2.57987	2.52216	2.50232	2.53771	2.73404	2.47192	AVRG		2.55800		3.65369
80 1,3-Dichlorobenzene	1.57691	1.46889	1.42760	1.43323	1.54124	1.39434	AVRG		1.47370		4.82664
81 1,4-Dichlorobenzene	1.57328	1.49451	1.46540	1.46650	1.58296	1.43219	AVRG		1.50248		4.12033
82 n-Butylbenzene	2.17643	2.17905	2.13902	2.17325	2.34749	2.11676	AVRG		2.18867		3.73089
83 1,2-Dichlorobenzene	1.40677	1.38045	1.34662	1.35759	1.44446	1.28211	AVRG		1.36967		4.05581
84 1,2-Dibromo-3-chloropropane	0.12649	0.11303	0.10801	0.11459	0.10670	0.09169	AVRG		0.11008		10.37663
85 1,2,4-Trichlorobenzene	0.58328	0.52482	0.49423	0.50122	0.52060	+++++	AVRG		0.52483		6.68793
86 Hexachlorobutadiene	0.34602	0.35027	0.32632	0.31577	0.32409	0.23653	AVRG		0.31650		13.07375
87 Naphthalene	0.80550	0.72015	0.65907	0.68816	0.66950	+++++	AVRG		0.70848		8.32726

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
nd Cal Date : 22-JUN-2005 15:15
uant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.10484	0.10572	0.07982	0.08582	0.08564	+++++	AVRG		0.09237		13.02935	
89 Ethyl Ether	0.21859	0.19168	0.17892	0.17608	0.18483	0.17530	AVRG		0.18757		8.74111	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.13347	0.13061	0.12274	0.12354	0.12764	0.12271	AVRG		0.12679		3.58974	
92 Isopropyl Ether	0.23467	0.22047	0.22540	0.22602	0.23307	0.22443	AVRG		0.22734		2.39128	
93 2-Chloro-1,3-butadiene	0.42887	0.42454	0.40088	0.39543	0.39670	0.39478	AVRG		0.40687		3.82759	
94 Propionitrile	0.03551	0.03153	0.02954	0.02774	0.02868	0.02827	AVRG		0.03021		9.65149	
95 Ethyl Acetate	0.24085	0.21988	0.20184	0.19217	0.20863	0.19546	AVRG		0.20981		8.65105	
96 Methacrylonitrile	0.13901	0.14131	0.15112	0.13747	0.14635	0.13937	AVRG		0.14244		3.68663	
97 Isobutanol	0.00723	0.00690	0.00598	0.00590	0.00717	0.00643	AVRG		0.00660		8.85920	<-
98 Cyclohexane	0.58094	0.53263	0.51347	0.51970	0.52022	0.53403	AVRG		0.53350		4.60591	
99 n-Butanol	0.00593	0.00624	0.00583	0.00531	0.00643	0.00564	AVRG		0.00590		6.87288	<-
100 Methyl Methacrylate	0.23208	0.22692	0.21984	0.22015	0.23160	0.21906	AVRG		0.22494		2.68807	
101 2-Nitropropane	0.05451	0.04826	0.04896	0.04542	0.05171	0.04951	AVRG		0.04973		6.24046	
102 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
103 Cyclohexanone	0.01891	0.01863	0.01723	0.01593	0.01783	0.01586	AVRG		0.01740		7.50418	
104 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
105 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
134 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
135 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

eport Date : 22-Jun-2005 15:57

STL North Canton

INITIAL CALIBRATION DATA

tart Cal Date : 13-JUN-2005 23:19
id Cal Date : 22-JUN-2005 15:15
iant Method : ISTD
arget Version : 4.14
ntegrator : HP RTE
ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
141 1,3,5-Trichlorobenzene	1.02881	0.98648	0.94814	0.96475	1.01895	0.81968	AVRG		0.96113		7.89057	
143 Methyl Acetate	0.20542	0.18142	0.17304	0.17276	0.17205	0.15668	AVRG		0.17689		9.10895	
144 Methylcyclohexane	0.54366	0.51114	0.48850	0.48150	0.46727	0.49827	AVRG		0.49839		5.35632	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 2-Methylnaphthalene	0.04136	0.04938	0.04157	0.04319	0.04345	0.04541	AVRG		0.04406		6.78611	
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.25200	0.22832	0.22999	0.23012	0.25034	0.22816	AVRG		0.23649		4.82707	
5 1,2-Dichloroethane-d4	0.35425	0.31630	0.31090	0.29172	0.31914	0.29161	AVRG		0.31399		7.34477	
6 Toluene-d8	1.07853	1.08819	1.11700	1.09547	1.16124	1.05799	AVRG		1.09974		3.25959	
7 Bromofluorobenzene	0.58064	0.54623	0.53325	0.52177	0.55983	0.49894	AVRG		0.54011		5.33234	

STL North Canton

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tart Cal Date : 13-JUN-2005 23:19
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ethod file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
ast Edit : 22-Jun-2005 15:32 a3ux11.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Report Date: 22-Jun-2005 14:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Lab Smp Id: 5NG-IC
Inj Date : 22-JUN-2005 10:06
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 5NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,1
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:50 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:11 Cal File: UXJ4781.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1957148	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1978984	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1146074	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	49321	5.00000	5.328
$ 5	1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	69332	5.00000	5.641
$ 6	Toluene-d8	98	6.334	6.334	(0.830)	213440	5.00000	4.904
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	114907	5.00000	5.375
8	Dichlorodifluoromethane	85	1.518	1.518	(0.304)	79568	5.00000	6.073
9	Chloromethane	50	1.648	1.648	(0.330)	65295	5.00000	5.443
10	Vinyl Chloride	62	1.731	1.731	(0.346)	66343	5.00000	5.206
11	Bromomethane	94	2.003	2.003	(0.401)	20613	5.00000	10.430
12	Chloroethane	64	2.085	2.085	(0.417)	30422	5.00000	4.926
13	Trichlorofluoromethane	101	2.287	2.287	(0.458)	49471	5.00000	4.793
15	Acrolein	56	2.594	2.594	(0.519)	56522	50.0000	53.940
16	Acetone	43	2.701	2.701	(0.541)	76446	10.0000	8.385
17	1,1-Dichloroethene	96	2.701	2.701	(0.541)	57174	5.00000	5.460
18	Freon-113	151	2.701	2.701	(0.541)	45676	5.00000	5.026
19	Iodomethane	142	2.819	2.819	(0.564)	71008	5.00000	10.168
20	Carbon Disulfide	76	2.878	2.878	(0.576)	172051	5.00000	5.252
21	Methylene Chloride	84	3.068	3.068	(0.614)	219686	5.00000	5.775
22	Acetonitrile	41	2.914	2.914	(0.583)	67502	50.0000	61.770
23	Acrylonitrile	53	3.233	3.233	(0.647)	150513	50.0000	50.456

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Report Date: 22-Jun-2005 14:50

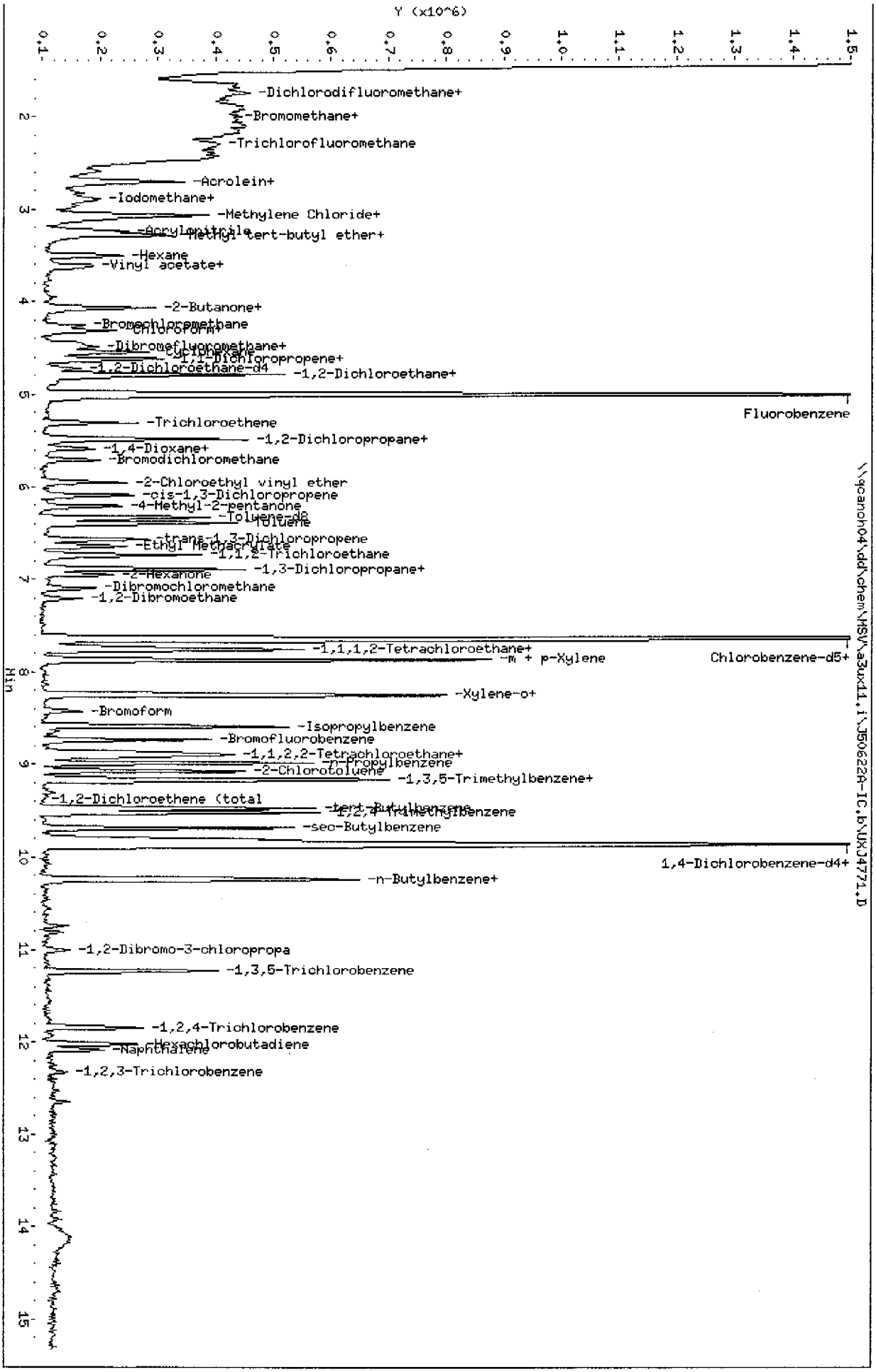
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.281	3.281	(0.657)	140116	5.00000	5.245
25	trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	54853	5.00000	5.416
26	Hexane	86	3.505	3.505	(0.702)	18900	5.00000	6.222
27	Vinyl acetate	43	3.636	3.636	(0.728)	88175	5.00000	5.260
28	1,1-Dichloroethane	63	3.600	3.600	(0.721)	93007	5.00000	5.289
29	tert-Butyl Alcohol	59	3.127	3.127	(0.626)	79799	100.000	117.20
30	2-Butanone	43	4.062	4.062	(0.813)	63406	10.0000	9.928
32	cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	57907	5.00000	5.319
33	2,2-Dichloropropane	77	4.073	4.073	(0.815)	61743	5.00000	5.419
34	Bromochloromethane	128	4.263	4.263	(0.853)	29154	5.00000	5.614
35	Chloroform	83	4.310	4.310	(0.863)	89273	5.00000	5.301
36	Tetrahydrofuran	42	4.298	4.298	(0.860)	30847	5.00000	4.262
37	1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	66885	5.00000	4.907
38	1,1-Dichloropropene	75	4.606	4.606	(0.922)	77533	5.00000	5.447
39	Carbon Tetrachloride	117	4.618	4.618	(0.924)	63812	5.00000	5.232
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	70534	5.00000	5.263
41	Benzene	78	4.783	4.783	(0.957)	434076	5.00000	5.232
42	Trichloroethene	130	5.304	5.304	(1.062)	62952	5.00000	5.440
43	1,2-Dichloropropane	63	5.482	5.482	(1.097)	58446	5.00000	5.389
44	1,4-Dioxane	88	5.588	5.588	(1.118)	18560	250.000	227.14(A)
45	Dibromomethane	93	5.588	5.588	(1.118)	32897	5.00000	5.598
46	Bromodichloromethane	83	5.706	5.706	(1.142)	68116	5.00000	5.108
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	69064	10.0000	10.429
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	95769	5.00000	5.137
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	111554	10.0000	10.708
50	Toluene	91	6.393	6.393	(0.837)	269982	5.00000	5.199
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	97984	5.00000	5.358
52	Ethyl Methacrylate	69	6.641	6.641	(0.870)	86029	5.00000	5.362
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	56461	5.00000	5.623
54	1,3-Dichloropropane	76	6.890	6.890	(0.902)	91256	5.00000	5.030
55	Tetrachloroethene	164	6.890	6.890	(0.902)	55770	5.00000	5.066
56	2-Hexanone	43	6.949	6.949	(0.910)	91928	10.0000	10.882
57	Dibromochloromethane	129	7.103	7.103	(0.930)	61124	5.00000	5.433
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	57982	5.00000	5.416
59	Chlorobenzene	112	7.659	7.659	(1.003)	200387	5.00000	5.130
60	1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	67900	5.00000	5.163
61	Ethylbenzene	106	7.753	7.753	(1.015)	106394	5.00000	4.916
62	m + p-Xylene	106	7.872	7.872	(1.031)	283174	10.0000	10.246
64	Xylene-o	106	8.239	8.239	(1.079)	134512	5.00000	5.036
65	Styrene	104	8.250	8.250	(1.081)	242790	5.00000	5.176
66	Bromoform	173	8.428	8.428	(1.104)	37233	5.00000	5.091
67	Isopropylbenzene	105	8.594	8.594	(1.126)	330293	5.00000	5.125
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	65651	5.00000	5.091
69	1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	22653	5.00000	5.322
70	1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	24272	5.00000	5.463
71	Bromobenzene	156	8.889	8.889	(0.902)	89753	5.00000	5.124
72	n-Propylbenzene	120	8.984	8.984	(0.911)	96290	5.00000	5.038
73	2-Chlorotoluene	126	9.067	9.067	(0.920)	89099	5.00000	5.412
74	1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	286189	5.00000	5.069
75	4-Chlorotoluene	126	9.173	9.173	(0.930)	85819	5.00000	5.044
76	tert-Butylbenzene	119	9.469	9.469	(0.960)	256600	5.00000	5.132
77	1,2,4-Trimethylbenzene	105	9.517	9.517	(0.965)	308262	5.00000	5.231
78	sec-Butylbenzene	105	9.682	9.682	(0.982)	348417	5.00000	5.070
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	295672	5.00000	5.043

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Report Date: 22-Jun-2005 14:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.801	9.801	(0.994)	180725	5.00000	5.350
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	180310	5.00000	5.236
82	n-Butylbenzene	91	10.227	10.227	(1.037)	249435	5.00000	4.972
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	161226	5.00000	5.135
84	1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.116)	14497	5.00000	5.745
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	66848	5.00000	5.557
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	39656	5.00000	5.466
87	Naphthalene	128	12.084	12.084	(1.226)	92316	5.00000	5.685
88	1,2,3-Trichlorobenzene	180	12.321	12.321	(1.250)	12015	5.00000	5.675
98	Cyclohexane	56	4.535	4.535	(0.908)	113698	5.00000	5.444
143	Methyl Acetate	43	2.961	2.961	(0.593)	80406	10.0000	11.612(A)
144	Methylcyclohexane	83	5.482	5.482	(1.097)	106402	5.00000	5.454(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	117909	5.00000	5.352(A)

QC Flag Legend

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



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Date : 22-JUN-2005 10:06
Client ID:
Sample Info: 5NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

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Report Date: 22-Jun-2005 14:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Lab Smp Id: 10NG-IC
Inj Date : 22-JUN-2005 10:28
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 10NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:50 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 13:29 Cal File: UXJ4779.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1939658	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1936697	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1130406	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	88572	10.0000	9.654
$ 5	1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	122701	10.0000	10.074
$ 6	Toluene-d8	98	6.333	6.333	(0.830)	421497	10.0000	9.895
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	211577	10.0000	10.113
8	Dichlorodifluoromethane	85	1.517	1.517	(0.304)	132123	10.0000	10.175
9	Chloromethane	50	1.648	1.648	(0.330)	113874	10.0000	9.578
10	Vinyl Chloride	62	1.742	1.742	(0.349)	130427	10.0000	10.326
11	Bromomethane	94	2.003	2.003	(0.401)	40337	10.0000	13.737
12	Chloroethane	64	2.085	2.085	(0.417)	63795	10.0000	10.423
13	Trichlorofluoromethane	101	2.287	2.287	(0.458)	99593	10.0000	9.737
15	Acrolein	56	2.594	2.594	(0.519)	103945	100.000	100.09
16	Acetone	43	2.701	2.701	(0.541)	106930	20.0000	21.473
17	1,1-Dichloroethene	96	2.689	2.689	(0.538)	107039	10.0000	10.314
18	Freon-113	151	2.701	2.701	(0.541)	93248	10.0000	10.354
19	Iodomethane	142	2.819	2.819	(0.564)	130127	10.0000	13.368
20	Carbon Disulfide	76	2.890	2.890	(0.578)	327604	10.0000	10.091
21	Methylene Chloride	84	3.068	3.068	(0.614)	252304	10.0000	9.158
22	Acetonitrile	41	2.914	2.914	(0.583)	103549	100.000	95.610
23	Acrylonitrile	53	3.233	3.233	(0.647)	292563	100.000	98.959

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Report Date: 22-Jun-2005 14:50

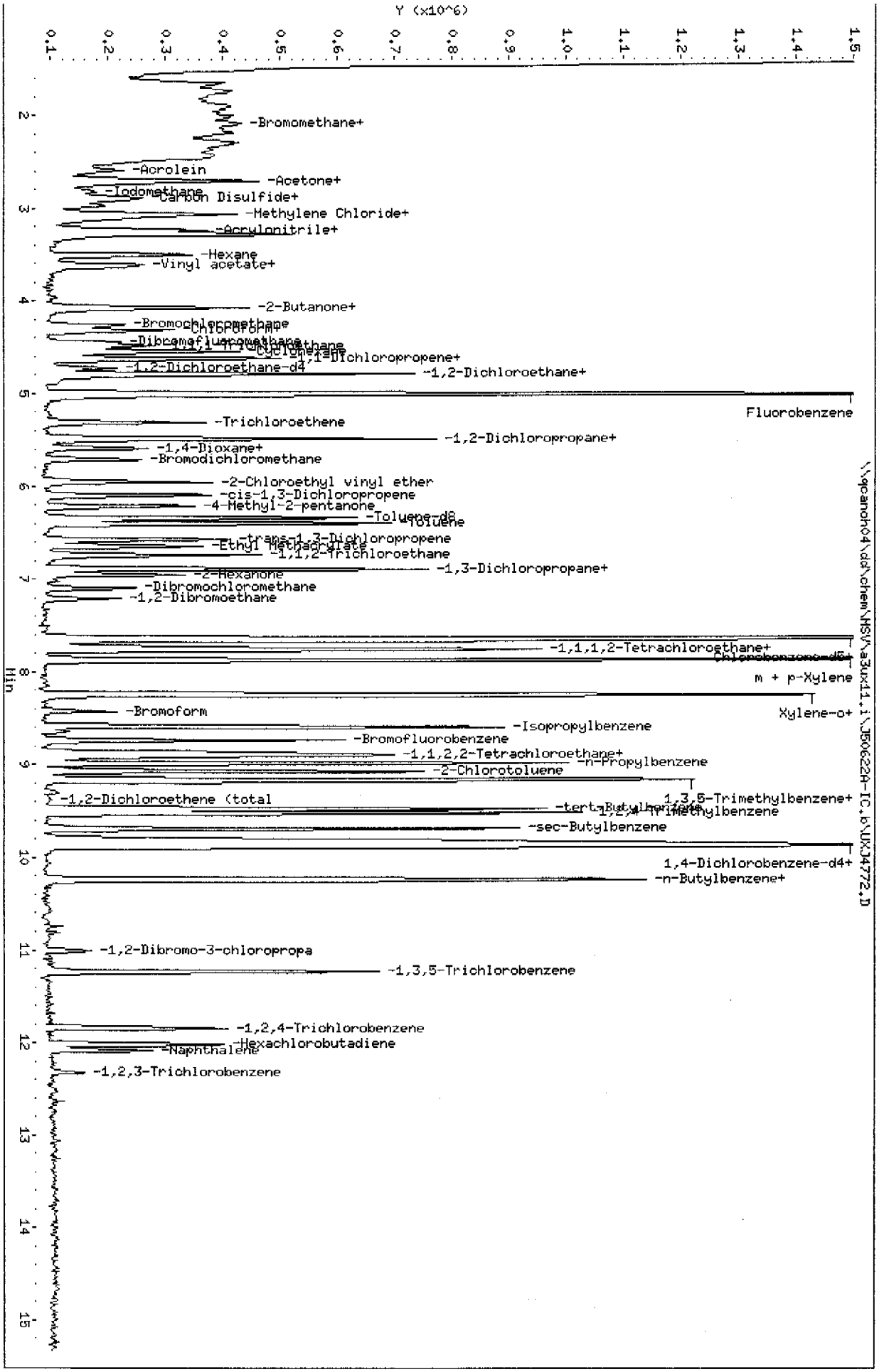
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.281	3.281	(0.657)	263070	10.0000	9.936
25 trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	100932	10.0000	10.057
26 Hexane	86	3.505	3.505	(0.702)	33010	10.0000	10.966
27 Vinyl acetate	43	3.636	3.636	(0.728)	167211	10.0000	10.065
28 1,1-Dichloroethane	63	3.612	3.612	(0.723)	178966	10.0000	10.268
29 tert-Butyl Alcohol	59	3.127	3.127	(0.626)	121954	200.000	180.73
30 2-Butanone	43	4.062	4.062	(0.813)	87435	20.0000	16.576
32 cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	114585	10.0000	10.619
33 2,2-Dichloropropane	77	4.073	4.073	(0.815)	112552	10.0000	9.968
34 Bromochloromethane	128	4.263	4.263	(0.853)	51692	10.0000	10.043
35 Chloroform	83	4.310	4.310	(0.863)	165333	10.0000	9.906
36 Tetrahydrofuran	42	4.298	4.298	(0.860)	45785	10.0000	10.803
37 1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	138423	10.0000	10.247
38 1,1-Dichloropropene	75	4.618	4.618	(0.924)	141295	10.0000	10.016
39 Carbon Tetrachloride	117	4.630	4.630	(0.927)	119692	10.0000	9.902
40 1,2-Dichloroethane	62	4.783	4.783	(0.957)	132693	10.0000	9.990
41 Benzene	78	4.783	4.783	(0.957)	609604	10.0000	9.549
42 Trichloroethene	130	5.304	5.304	(1.062)	113454	10.0000	9.893
43 1,2-Dichloropropane	63	5.482	5.482	(1.097)	107641	10.0000	10.015
44 1,4-Dioxane	88	5.588	5.588	(1.118)	35617	500.000	439.81(A)
45 Dibromomethane	93	5.588	5.588	(1.118)	58776	10.0000	10.092
46 Bromodichloromethane	83	5.706	5.706	(1.142)	130889	10.0000	9.904
47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	130915	20.0000	19.948
48 cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	182899	10.0000	9.899
49 4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	210774	20.0000	20.414
50 Toluene	91	6.393	6.393	(0.837)	521242	10.0000	10.257
51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	175933	10.0000	9.831
52 Ethyl Methacrylate	69	6.641	6.641	(0.870)	152248	10.0000	9.696
53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	96273	10.0000	9.798
54 1,3-Dichloropropane	76	6.890	6.890	(0.902)	176670	10.0000	9.951
55 Tetrachloroethene	164	6.890	6.890	(0.902)	108249	10.0000	10.049
56 2-Hexanone	43	6.949	6.949	(0.910)	166639	20.0000	20.157
57 Dibromochloromethane	129	7.103	7.103	(0.930)	103114	10.0000	9.365
58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	102213	10.0000	9.756
59 Chlorobenzene	112	7.659	7.659	(1.003)	383210	10.0000	10.024
60 1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	127399	10.0000	9.899
61 Ethylbenzene	106	7.753	7.753	(1.015)	215992	10.0000	10.198
62 m + p-Xylene	106	7.872	7.872	(1.031)	550961	20.0000	20.371
64 Xylene-o	106	8.239	8.239	(1.079)	262037	10.0000	10.024
65 Styrene	104	8.250	8.250	(1.081)	462313	10.0000	10.072
66 Bromoform	173	8.428	8.428	(1.104)	69315	10.0000	9.684
67 Isopropylbenzene	105	8.594	8.594	(1.126)	630394	10.0000	9.995
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	128586	10.0000	10.110
69 1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	43395	10.0000	10.336
70 1,2,3-Trichloropropane	110	8.913	8.913	(0.904)	45718	10.0000	10.432
71 Bromobenzene	156	8.889	8.889	(0.902)	174684	10.0000	10.112
72 n-Propylbenzene	120	8.984	8.984	(0.911)	190488	10.0000	10.105
73 2-Chlorotoluene	126	9.079	9.079	(0.921)	159906	10.0000	9.848
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	560820	10.0000	10.071
75 4-Chlorotoluene	126	9.173	9.173	(0.930)	168931	10.0000	10.066
76 tert-Butylbenzene	119	9.469	9.469	(0.960)	495566	10.0000	10.049
77 1,2,4-Trimethylbenzene	105	9.517	9.517	(0.965)	585018	10.0000	10.065
78 sec-Butylbenzene	105	9.682	9.682	(0.982)	675506	10.0000	9.966
79 4-Isopropyltoluene	119	9.824	9.824	(0.996)	570214	10.0000	9.860

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Report Date: 22-Jun-2005 14:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.801	9.801	(0.994)	332089	10.0000	9.967
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	337881	10.0000	9.947
82	n-Butylbenzene	91	10.227	10.227	(1.037)	492643	10.0000	9.956
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	312093	10.0000	10.079
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	25555	10.0000	10.268
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	118652	10.0000	10.00
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	79189	10.0000	11.067
87	Naphthalene	128	12.084	12.084	(1.226)	162812	10.0000	10.165
88	1,2,3-Trichlorobenzene	180	12.321	12.321	(1.250)	23901	10.0000	11.446
98	Cyclohexane	56	4.547	4.547	(0.910)	206624	10.0000	9.984
143	Methyl Acetate	43	2.973	2.973	(0.595)	140756	20.0000	20.512(A)
144	Methylcyclohexane	83	5.482	5.482	(1.097)	198288	10.0000	10.256(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	223025	10.0000	10.264(A)

QC Flag Legend

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



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Date : 22-JUN-2005 10:28
Client ID:
Sample Info: 10NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Report Date: 22-Jun-2005 14:50

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Lab Smp Id: 25NG-IC
Inj Date : 22-JUN-2005 10:48
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 25NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:50 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 13:50 Cal File: UXJ4780.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1960921	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1953735	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1147791	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	225498	25.0000	24.313
$ 5	1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	304822	25.0000	24.754
$ 6	Toluene-d8	98	6.333	6.333	(0.830)	1091159	25.0000	25.392
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	520915	25.0000	24.682
8	Dichlorodifluoromethane	85	1.517	1.517	(0.304)	318679	25.0000	24.277
9	Chloromethane	50	1.648	1.648	(0.330)	302744	25.0000	25.188
10	Vinyl Chloride	62	1.742	1.742	(0.349)	268712	25.0000	21.044
11	Bromomethane	94	2.003	2.003	(0.401)	78967	25.0000	20.152
12	Chloroethane	64	2.097	2.097	(0.420)	156306	25.0000	25.260
13	Trichlorofluoromethane	101	2.287	2.287	(0.458)	240261	25.0000	23.234
15	Acrolein	56	2.594	2.594	(0.519)	270082	250.000	257.25
16	Acetone	43	2.713	2.713	(0.543)	175468	50.0000	49.455
17	1,1-Dichloroethene	96	2.701	2.701	(0.541)	229373	25.0000	21.862
18	Freon-113	151	2.713	2.713	(0.543)	218352	25.0000	23.982
19	Iodomethane	142	2.819	2.819	(0.564)	260614	25.0000	20.310
20	Carbon Disulfide	76	2.890	2.890	(0.578)	777417	25.0000	23.686
21	Methylene Chloride	84	3.068	3.068	(0.614)	403272	25.0000	23.500
22	Acetonitrile	41	2.926	2.926	(0.586)	264248	250.000	241.34
23	Acrylonitrile	53	3.233	3.233	(0.647)	765765	250.000	256.21

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Report Date: 22-Jun-2005 14:50

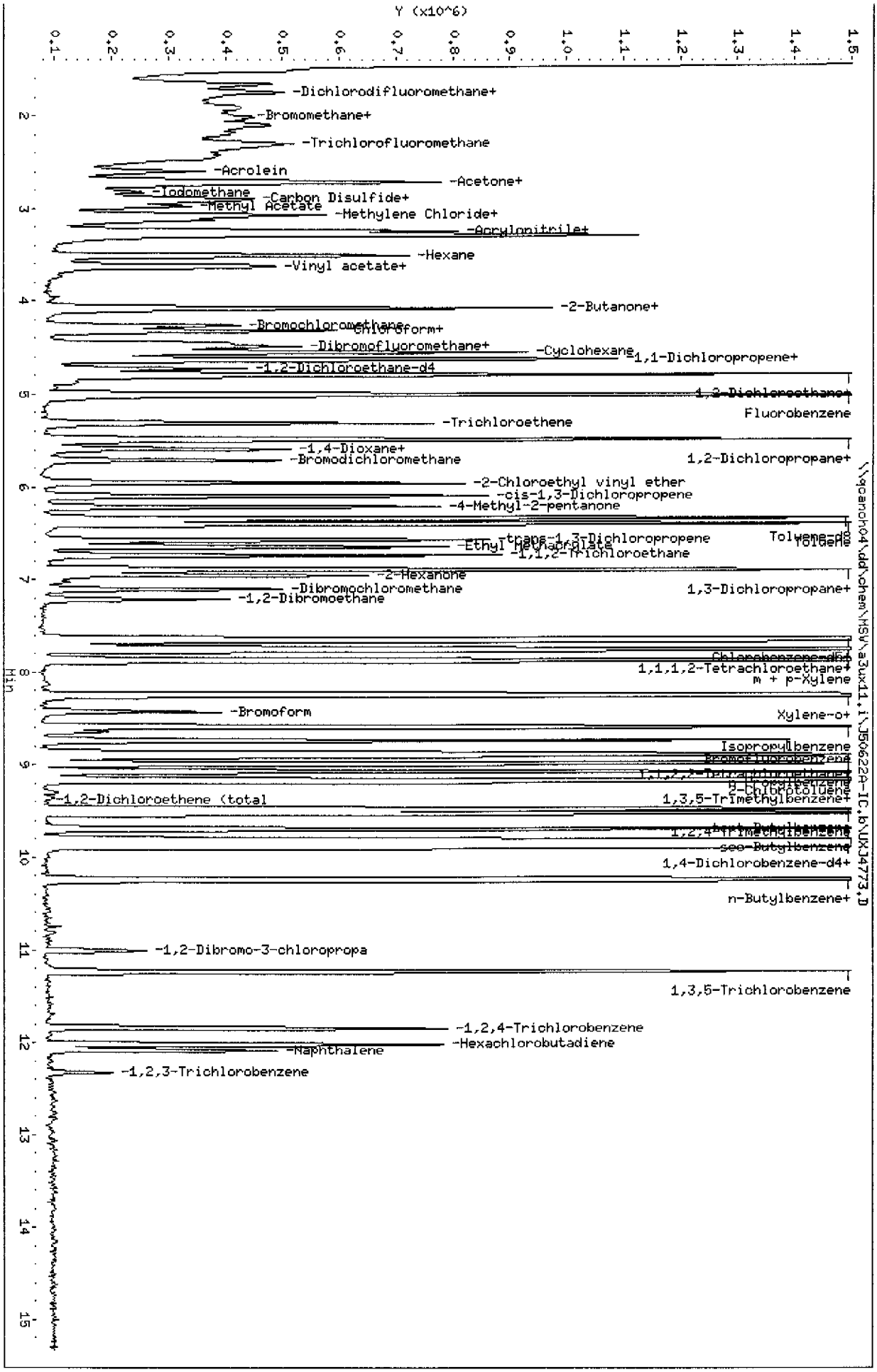
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.281	3.281	(0.657)	658746	25.0000	24.612
25 trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	236227	25.0000	23.282
26 Hexane	86	3.505	3.505	(0.702)	70877	25.0000	23.290
27 Vinyl acetate	43	3.636	3.636	(0.728)	439619	25.0000	26.175
28 1,1-Dichloroethane	63	3.612	3.612	(0.723)	428849	25.0000	24.339
29 tert-Butyl Alcohol	59	3.127	3.127	(0.626)	342036	500.000	501.38
30 2-Butanone	43	4.062	4.062	(0.813)	233674	50.0000	55.422
32 cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	263001	25.0000	24.110
33 2,2-Dichloropropane	77	4.073	4.073	(0.815)	275247	25.0000	24.113
34 Bromochloromethane	128	4.263	4.263	(0.853)	121121	25.0000	23.277
35 Chloroform	83	4.322	4.322	(0.865)	412255	25.0000	24.433
36 Tetrahydrofuran	42	4.298	4.298	(0.860)	80867	25.0000	25.509
37 1,1,1-Trichloroethane	97	4.487	4.487	(0.898)	332429	25.0000	24.342
38 1,1-Dichloropropene	75	4.618	4.618	(0.924)	342229	25.0000	23.997
39 Carbon Tetrachloride	117	4.629	4.629	(0.927)	297970	25.0000	24.382
40 1,2-Dichloroethane	62	4.783	4.783	(0.957)	326932	25.0000	24.346
41 Benzene	78	4.783	4.783	(0.957)	1256750	25.0000	24.794
42 Trichloroethene	130	5.304	5.304	(1.062)	278714	25.0000	24.041
43 1,2-Dichloropropane	63	5.481	5.481	(1.097)	268119	25.0000	24.675
44 1,4-Dioxane	88	5.588	5.588	(1.118)	105153	1250.00	1284.4(A)
45 Dibromomethane	93	5.588	5.588	(1.118)	140083	25.0000	23.792
46 Bromodichloromethane	83	5.706	5.706	(1.142)	330031	25.0000	24.701
47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	327902	50.0000	49.421
48 cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	452652	25.0000	24.232
49 4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	534976	50.0000	51.252
50 Toluene	91	6.393	6.393	(0.837)	1247637	25.0000	24.338
51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	430770	25.0000	23.862
52 Ethyl Methacrylate	69	6.641	6.641	(0.870)	388650	25.0000	24.536
53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	237369	25.0000	23.946
54 1,3-Dichloropropane	76	6.890	6.890	(0.902)	446446	25.0000	24.928
55 Tetrachloroethene	164	6.890	6.890	(0.902)	263815	25.0000	24.276
56 2-Hexanone	43	6.949	6.949	(0.910)	434646	50.0000	52.117
57 Dibromochloromethane	129	7.103	7.103	(0.930)	271005	25.0000	24.399
58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	255843	25.0000	24.206
59 Chlorobenzene	112	7.659	7.659	(1.003)	936822	25.0000	24.292
60 1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	311435	25.0000	23.988
61 Ethylbenzene	106	7.753	7.753	(1.015)	517966	25.0000	24.242
62 m + p-Xylene	106	7.872	7.872	(1.031)	1303959	50.0000	47.792
64 Xylene-o	106	8.239	8.239	(1.079)	640326	25.0000	24.282
65 Styrene	104	8.250	8.250	(1.081)	1116286	25.0000	24.108
66 Bromoform	173	8.428	8.428	(1.104)	177219	25.0000	24.544
67 Isopropylbenzene	105	8.594	8.594	(1.126)	1544052	25.0000	24.268
68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	318829	25.0000	24.689
69 1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	102111	25.0000	23.953
70 1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	112483	25.0000	25.278
71 Bromobenzene	156	8.889	8.889	(0.902)	427393	25.0000	24.365
72 n-Propylbenzene	120	8.984	8.984	(0.911)	463402	25.0000	24.211
73 2-Chlorotoluene	126	9.079	9.079	(0.921)	408332	25.0000	24.765
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	1370621	25.0000	24.241
75 4-Chlorotoluene	126	9.173	9.173	(0.930)	414804	25.0000	24.343
76 tert-Butylbenzene	119	9.469	9.469	(0.960)	1223450	25.0000	24.432
77 1,2,4-Trimethylbenzene	105	9.516	9.516	(0.965)	1422779	25.0000	24.108
78 sec-Butylbenzene	105	9.682	9.682	(0.982)	1696336	25.0000	24.647
79 4-Isopropyltoluene	119	9.824	9.824	(0.996)	1436070	25.0000	24.456

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Report Date: 22-Jun-2005 14:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	819291	25.0000	24.218
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	840989	25.0000	24.383
82	n-Butylbenzene	91	10.226	10.226	(1.037)	1227575	25.0000	24.433
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	772817	25.0000	24.579
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	61985	25.0000	24.528
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	283636	25.0000	23.542
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	187272	25.0000	25.776
87	Naphthalene	128	12.084	12.084	(1.226)	378236	25.0000	23.256
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	45809	25.0000	21.604
98	Cyclohexane	56	4.547	4.547	(0.910)	503440	25.0000	24.062
143	Methyl Acetate	43	2.973	2.973	(0.595)	339320	50.0000	48.911(A)
144	Methylcyclohexane	83	5.481	5.481	(1.097)	478957	25.0000	24.504(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	544131	25.0000	24.662(A)

QC Flag Legend

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



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Client ID:
Sample Info: 25NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

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Report Date: 22-Jun-2005 14:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Lab Smp Id: 50NG-IC
Inj Date : 22-JUN-2005 11:10
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,4
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:51 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:11 Cal File: UXJ4781.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.996	4.996	(1.000)	1959821	50.0000	
*	2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1916458	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1129587	50.0000	
$	4 Dibromofluoromethane	113	4.440	4.440	(0.889)	450989	50.0000	48.653
$	5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	571710	50.0000	46.454
$	6 Toluene-d8	98	6.333	6.333	(0.830)	2099423	50.0000	49.806
$	7 Bromofluorobenzene	95	8.736	8.736	(1.144)	999948	50.0000	48.302
	8 Dichlorodifluoromethane	85	1.517	1.517	(0.304)	614877	50.0000	46.867
	9 Chloromethane	50	1.648	1.648	(0.330)	563495	50.0000	46.909
	10 Vinyl Chloride	62	1.742	1.742	(0.349)	593310	50.0000	46.491
	11 Bromomethane	94	2.003	2.003	(0.401)	193528	50.0000	40.521
	12 Chloroethane	64	2.085	2.085	(0.417)	310082	50.0000	50.140
	13 Trichlorofluoromethane	101	2.287	2.287	(0.458)	534131	50.0000	51.682
	15 Acrolein	56	2.594	2.594	(0.519)	511490	500.000	487.46
	16 Acetone	43	2.701	2.701	(0.541)	319695	100.000	109.44
	17 1,1-Dichloroethene	96	2.701	2.701	(0.541)	482322	50.0000	45.998
	18 Freon-113	151	2.713	2.713	(0.543)	444459	50.0000	48.843
	19 Iodomethane	142	2.831	2.831	(0.567)	637640	50.0000	41.424
	20 Carbon Disulfide	76	2.890	2.890	(0.578)	1613342	50.0000	49.182
	21 Methylene Chloride	84	3.068	3.068	(0.614)	646293	50.0000	47.051
	22 Acetonitrile	41	2.914	2.914	(0.583)	520323	500.000	475.49
	23 Acrylonitrile	53	3.233	3.233	(0.647)	1511548	500.000	506.02

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Report Date: 22-Jun-2005 14:51

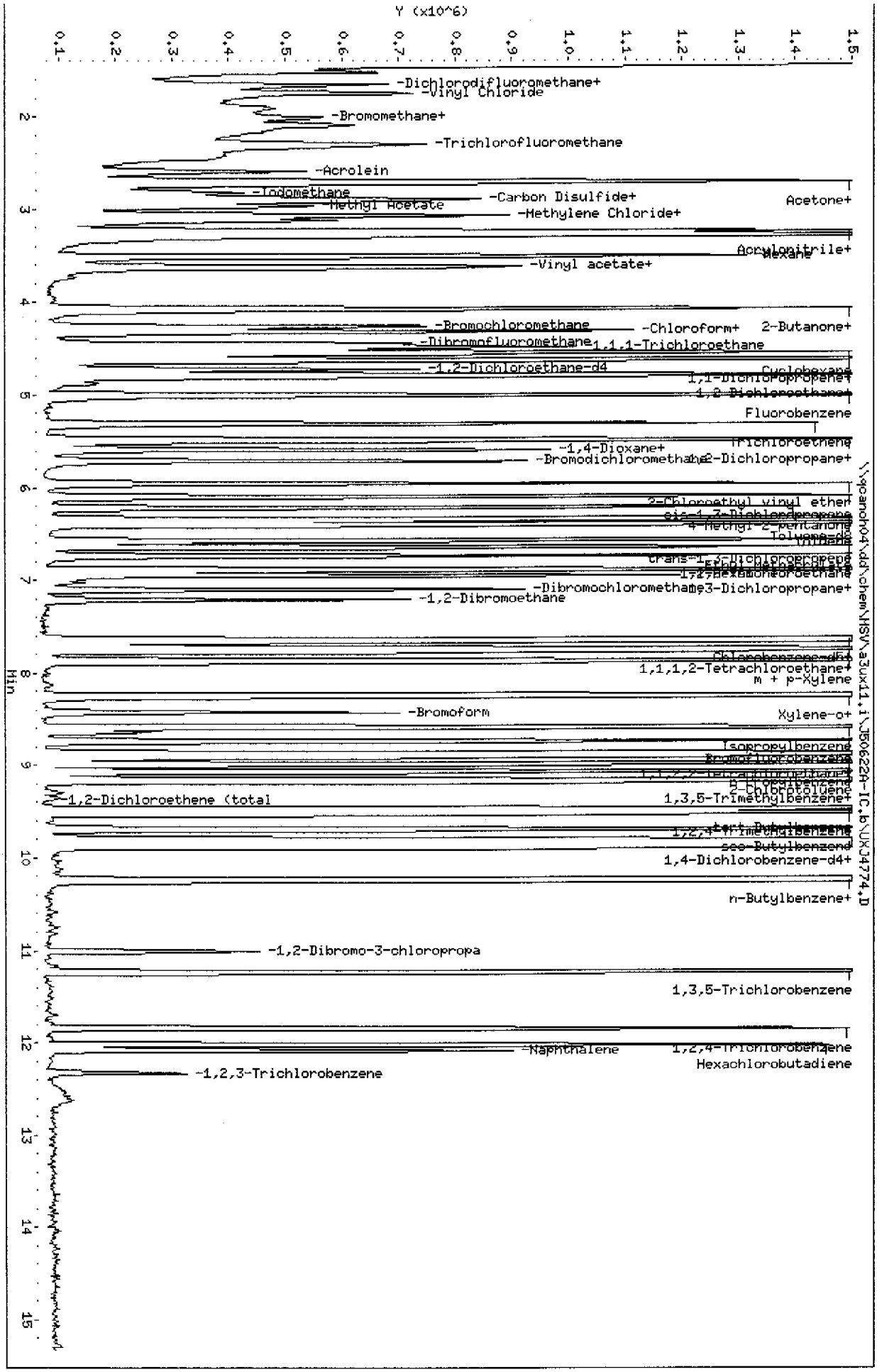
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.281	3.281	(0.657)	1328267	50.0000	49.655
25	trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	493740	50.0000	48.689
26	Hexane	86	3.505	3.505	(0.702)	147090	50.0000	48.360
27	Vinyl acetate	43	3.636	3.636	(0.728)	812433	50.0000	48.400
28	1,1-Dichloroethane	63	3.612	3.612	(0.723)	856186	50.0000	48.620
29	tert-Butyl Alcohol	59	3.127	3.127	(0.626)	672921	1000.00	986.96
30	2-Butanone	43	4.062	4.062	(0.813)	433822	100.000	109.00
32	cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	521433	50.0000	47.828
33	2,2-Dichloropropane	77	4.073	4.073	(0.815)	553286	50.0000	48.497
34	Bromochloromethane	128	4.263	4.263	(0.853)	258036	50.0000	49.618
35	Chloroform	83	4.310	4.310	(0.863)	813219	50.0000	48.223
36	Tetrahydrofuran	42	4.298	4.298	(0.860)	143052	50.0000	51.989
37	1,1,1-Trichloroethane	97	4.488	4.488	(0.898)	695442	50.0000	50.952
38	1,1-Dichloropropene	75	4.618	4.618	(0.924)	699851	50.0000	49.101
39	Carbon Tetrachloride	117	4.618	4.618	(0.924)	595819	50.0000	48.782
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	663269	50.0000	49.421
41	Benzene	78	4.783	4.783	(0.957)	2280367	50.0000	49.188
42	Trichloroethene	130	5.304	5.304	(1.062)	550069	50.0000	47.473
43	1,2-Dichloropropane	63	5.481	5.481	(1.097)	523457	50.0000	48.201
44	1,4-Dioxane	88	5.588	5.588	(1.118)	196676	2500.00	2403.6(A)
45	Dibromomethane	93	5.588	5.588	(1.118)	283995	50.0000	48.261
46	Bromodichloromethane	83	5.706	5.706	(1.142)	648150	50.0000	48.538
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	661885	100.000	99.815
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	921513	50.0000	49.360
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	1011277	100.000	96.938
50	Toluene	91	6.393	6.393	(0.837)	2469024	50.0000	49.101
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	892298	50.0000	50.389
52	Ethyl Methacrylate	69	6.641	6.641	(0.870)	786646	50.0000	50.628
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	475460	50.0000	48.898
54	1,3-Dichloropropane	76	6.890	6.890	(0.902)	883790	50.0000	50.308
55	Tetrachloroethene	164	6.890	6.890	(0.902)	537200	50.0000	50.394
56	2-Hexanone	43	6.949	6.949	(0.910)	834679	100.000	102.03
57	Dibromochloromethane	129	7.103	7.103	(0.930)	532454	50.0000	48.870
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	512576	50.0000	49.438
59	Chlorobenzene	112	7.659	7.659	(1.003)	1865220	50.0000	49.306
60	1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	636421	50.0000	49.974
61	Ethylbenzene	106	7.753	7.753	(1.015)	1039437	50.0000	49.595
62	m + p-Xylene	106	7.872	7.872	(1.031)	2603436	100.000	97.276
64	Xylene-o	106	8.239	8.239	(1.079)	1292598	50.0000	49.971
65	Styrene	104	8.250	8.250	(1.081)	2243118	50.0000	49.385
66	Bromoform	173	8.428	8.428	(1.104)	355084	50.0000	50.135
67	Isopropylbenzene	105	8.594	8.594	(1.126)	3083884	50.0000	49.413
68	1,1,2,2-Tetrachloroethane	83	8.866	8.866	(0.899)	649524	50.0000	51.108
69	1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	204666	50.0000	48.784
70	1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	213670	50.0000	48.791
71	Bromobenzene	156	8.889	8.889	(0.902)	852906	50.0000	49.407
72	n-Propylbenzene	120	8.984	8.984	(0.911)	930421	50.0000	49.394
73	2-Chlorotoluene	126	9.079	9.079	(0.921)	783284	50.0000	48.272
74	1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	2721994	50.0000	48.918
75	4-Chlorotoluene	126	9.173	9.173	(0.930)	829074	50.0000	49.438
76	tert-Butylbenzene	119	9.469	9.469	(0.960)	2432713	50.0000	49.364
77	1,2,4-Trimethylbenzene	105	9.516	9.516	(0.965)	2828524	50.0000	48.700
78	sec-Butylbenzene	105	9.682	9.682	(0.982)	3337708	50.0000	49.277
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	2866563	50.0000	49.603

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Report Date: 22-Jun-2005 14:51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	1618958	50.0000	48.627
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1656544	50.0000	48.803
82	n-Butylbenzene	91	10.226	10.226	(1.037)	2454871	50.0000	49.648
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1533521	50.0000	49.559
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	129434	50.0000	52.044
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	566167	50.0000	47.750
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	356687	50.0000	49.884
87	Naphthalene	128	12.084	12.084	(1.226)	777336	50.0000	48.566
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	96940	50.0000	46.456
98	Cyclohexane	56	4.547	4.547	(0.910)	1018525	50.0000	48.707
143	Methyl Acetate	43	2.973	2.973	(0.595)	677162	100.000	97.664(A)
144	Methylcyclohexane	83	5.481	5.481	(1.097)	943657	50.0000	48.306(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	1089765	50.0000	50.188(A)

QC Flag Legend

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



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Sample Info: 50NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4776.D
Report Date: 22-Jun-2005 14:51

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4776.D
Lab Smp Id: 200NG-IC
Inj Date : 22-JUN-2005 12:22
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 200NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,6
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:51 a3ux11.i Quant Type: ISTD
Cal Date : 14-JUN-2005 02:31 Cal File: UXJ4631.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.996	4.996	(1.000)	1923164	50.0000	
*	2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1992029	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1151882	50.0000	
$	4 Dibromofluoromethane	113	4.440	4.440	(0.889)	1755119	200.000	192.95
$	5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	2243285	200.000	185.75
$	6 Toluene-d8	98	6.333	6.333	(0.830)	8430199	200.000	192.41
$	7 Bromofluorobenzene	95	8.735	8.735	(1.144)	3975606	200.000	184.75
	8 Dichlorodifluoromethane	85	1.517	1.517	(0.304)	2479518	200.000	192.60
	9 Chloromethane	50	1.647	1.647	(0.330)	2280562	200.000	193.47
	10 Vinyl Chloride	62	1.742	1.742	(0.349)	2570870	200.000	205.29(A)
	11 Bromomethane	94	2.002	2.002	(0.401)	866133	200.000	198.03
	12 Chloroethane	64	2.085	2.085	(0.417)	1158110	200.000	190.84
	13 Trichlorofluoromethane	101	2.286	2.286	(0.458)	2109386	200.000	207.99(A)
	15 Acrolein	56	2.594	2.594	(0.519)	1914304	2000.00	1859.1
	16 Acetone	43	2.701	2.701	(0.541)	933995	400.000	372.14(A)
	17 1,1-Dichloroethene	96	2.701	2.701	(0.541)	2107743	200.000	204.84(A)
	18 Freon-113	151	2.701	2.701	(0.541)	1851092	200.000	207.30(A)
	19 Iodomethane	142	2.819	2.819	(0.564)	2906620	200.000	198.37
	20 Carbon Disulfide	76	2.878	2.878	(0.576)	6347269	200.000	197.18
	21 Methylene Chloride	84	3.067	3.067	(0.614)	2161558	200.000	197.75
	22 Acetonitrile	41	2.914	2.914	(0.583)	1942687	2000.00	1809.1
	23 Acrylonitrile	53	3.233	3.233	(0.647)	5571353	2000.00	1900.7

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Report Date: 22-Jun-2005 14:51

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	3.280	3.280	(0.657)	4975370	200.000	189.54
25 trans-1,2-Dichloroethene	96	3.280	3.280	(0.657)	1922119	200.000	193.16
26 Hexane	86	3.505	3.505	(0.702)	541287	200.000	181.36
27 Vinyl acetate	43	3.635	3.635	(0.728)	3027427	200.000	183.79
28 1,1-Dichloroethane	63	3.612	3.612	(0.723)	3254022	200.000	188.31
29 tert-Butyl Alcohol	59	3.127	3.127	(0.626)	2434800	4000.00	3639.1(A)
30 2-Butanone	43	4.061	4.061	(0.813)	1418851	400.000	379.77(A)
32 cis-1,2-dichloroethene	96	4.061	4.061	(0.813)	2017186	200.000	188.55
33 2,2-Dichloropropane	77	4.073	4.073	(0.815)	2070954	200.000	184.99
34 Bromochloromethane	128	4.263	4.263	(0.853)	958409	200.000	187.81
35 Chloroform	83	4.310	4.310	(0.863)	3193874	200.000	193.00
36 Tetrahydrofuran	42	4.298	4.298	(0.860)	462849	200.000	191.82
37 1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	2586755	200.000	193.13
38 1,1-Dichloropropene	75	4.618	4.618	(0.924)	2675103	200.000	191.26
39 Carbon Tetrachloride	117	4.618	4.618	(0.924)	2358496	200.000	196.78
40 1,2-Dichloroethane	62	4.783	4.783	(0.957)	2485140	200.000	188.70
41 Benzene	78	4.783	4.783	(0.957)	8345209	200.000	197.42
42 Trichloroethene	130	5.304	5.304	(1.062)	2213080	200.000	194.64
43 1,2-Dichloropropane	63	5.481	5.481	(1.097)	2023189	200.000	189.85
44 1,4-Dioxane	88	5.588	5.588	(1.118)	849560	10000.0	10580(A)
45 Dibromomethane	93	5.588	5.588	(1.118)	1088832	200.000	188.56
46 Bromodichloromethane	83	5.706	5.706	(1.142)	2582669	200.000	197.09
47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	2511698	400.000	385.99(A)
48 cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	3589417	200.000	195.93
49 4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	3723784	400.000	363.75(A)
50 Toluene	91	6.392	6.392	(0.837)	9876126	200.000	188.95
51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	3501592	200.000	190.24
52 Ethyl Methacrylate	69	6.641	6.641	(0.870)	3057899	200.000	189.34
53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	1901781	200.000	188.17
54 1,3-Dichloropropane	76	6.889	6.889	(0.902)	3481201	200.000	190.64
55 Tetrachloroethene	164	6.889	6.889	(0.902)	2134948	200.000	192.68
56 2-Hexanone	43	6.949	6.949	(0.910)	2834219	400.000	333.31(A)
57 Dibromochloromethane	129	7.102	7.102	(0.930)	2214763	200.000	195.56
58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	2032257	200.000	188.58
59 Chlorobenzene	112	7.659	7.659	(1.003)	7545321	200.000	191.89
60 1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	2588199	200.000	195.52
61 Ethylbenzene	106	7.753	7.753	(1.015)	4259818	200.000	195.54
62 m + p-Xylene	106	7.872	7.872	(1.031)	10804480	400.000	388.39(A)
64 Xylene-o	106	8.238	8.238	(1.079)	5159097	200.000	191.88
65 Styrene	104	8.250	8.250	(1.081)	9036516	200.000	191.40
66 Bromoform	173	8.428	8.428	(1.104)	1470671	200.000	199.77
67 Isopropylbenzene	105	8.593	8.593	(1.126)	12525407	200.000	193.08
68 1,1,2,2-Tetrachloroethane	83	8.866	8.866	(0.899)	2407692	200.000	185.78
69 1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	810271	200.000	189.40
70 1,2,3-Trichloropropane	110	8.913	8.913	(0.904)	800082	200.000	179.16
71 Bromobenzene	156	8.889	8.889	(0.902)	3363446	200.000	191.06
72 n-Propylbenzene	120	8.984	8.984	(0.911)	3734679	200.000	194.43
73 2-Chlorotoluene	126	9.079	9.079	(0.921)	3145768	200.000	190.11
74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	11035910	200.000	194.49
75 4-Chlorotoluene	126	9.173	9.173	(0.930)	3323191	200.000	194.33
76 tert-Butylbenzene	119	9.469	9.469	(0.960)	9639301	200.000	191.81
77 1,2,4-Trimethylbenzene	105	9.516	9.516	(0.965)	11320833	200.000	191.14
78 sec-Butylbenzene	105	9.694	9.694	(0.983)	13425273	200.000	194.37
79 4-Isopropyltoluene	119	9.824	9.824	(0.996)	11389433	200.000	193.27

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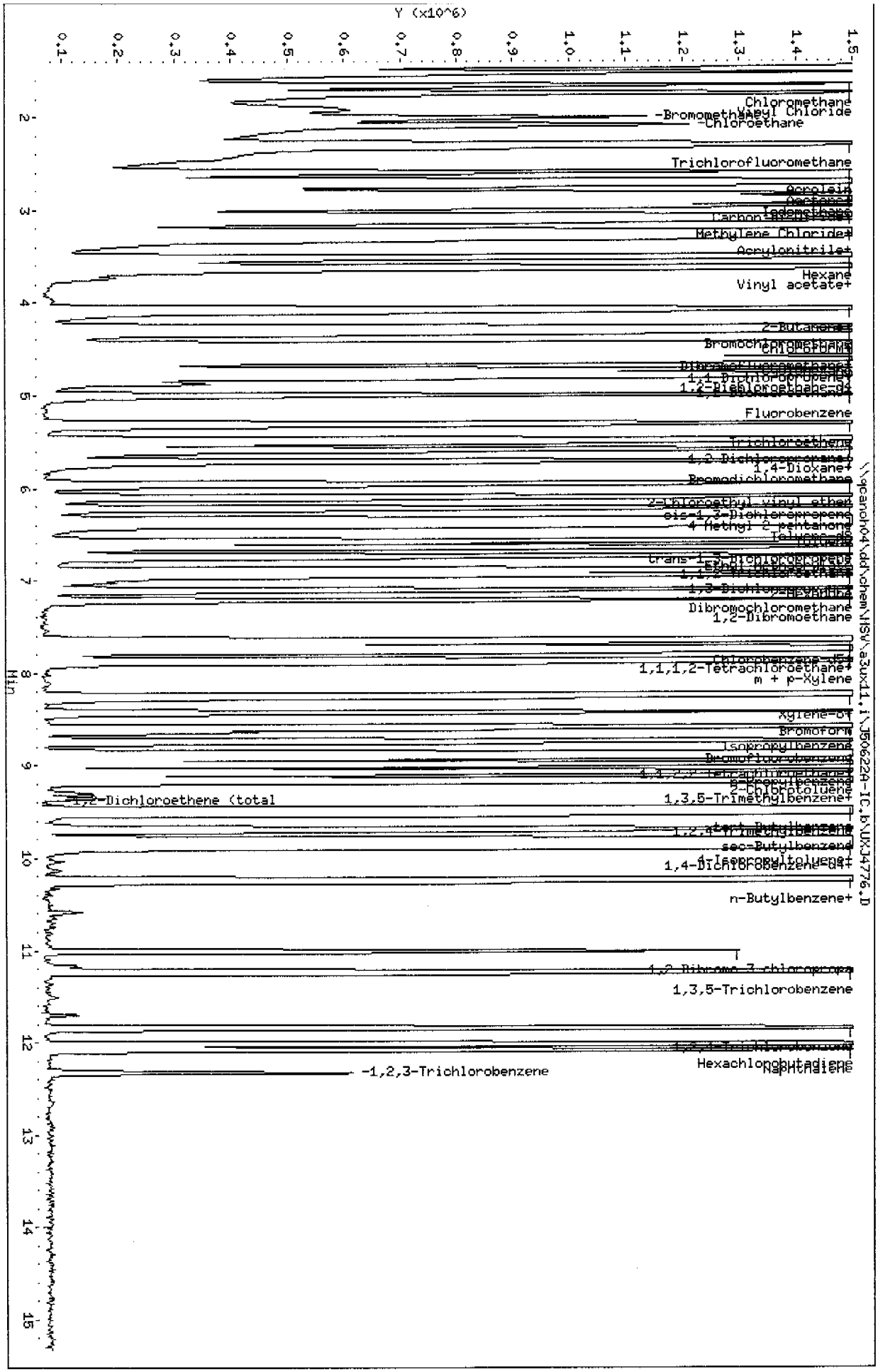
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	6424447	200.000	189.23
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	6598874	200.000	190.64
82	n-Butylbenzene	91	10.226	10.226	(1.037)	9753039	200.000	193.43
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	5907378	200.000	187.22
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	422454	200.000	166.58
85	1,2,4-Trichlorobenzene	180	11.847	11.847	(1.202)	1558301	200.000	128.88
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	1089830	200.000	149.47
87	Naphthalene	128	12.084	12.084	(1.226)	1858301	200.000	113.86
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	235705	200.000	110.77
98	Cyclohexane	56	4.547	4.547	(0.910)	4108130	200.000	200.20(A)
143	Methyl Acetate	43	2.961	2.961	(0.593)	2410509	400.000	354.28(A)
144	Methylcyclohexane	83	5.481	5.481	(1.097)	3833027	200.000	199.95(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	3776678	200.000	170.56(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 22-JUN-2005 12:22
Client ID:
Sample Info: 200NG-IC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
\\qcanon04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4776.D
Chloromethane
Vinyl Chloride
Bromomethane
Chloroethane
Trichlorofluoromethane
Acrolein
Acetone
Iodomethane
Carbon disulfide
Methylene Chloride
Acrylonitrile
Hexane
Vinyl acetate
2-Butanone
Bromochloromethane
Chloroform
Dibromofluoromethane
1,1-Dichloropropene
1,2-Dichloroethane-d4
1,2-Dichloroethane
Fluorobenzene
Trichloroethene
1,2-Dichloropropane
1,4-Dioxane
Bromodichloromethane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
Toluene
trans-1,3-Dichloropropene
Ethyl Methacrylate
1,1,2-Trichloroethane
1,3-Dichloropropane
Hexanone
Dibromochloromethane
1,2-Dibromoethane
Chlorobenzene-d5
1,1,1,2-Tetrachloroethane
m + p-Xylene
Xylene-o
Bromoform
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
n-Propylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene
1,2-Dichloroethene (total
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4
n-Butylbenzene
1,2-Dibromo-3-chloropropane
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

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STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Lab Smp Id: 100NG-IC
Inj Date : 22-JUN-2005 13:06
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 100NG-IC
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,1,5
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 14:51 a3ux11.i Quant Type: ISTD
Cal Date : 14-JUN-2005 01:48 Cal File: UXJ4629.D
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1862323	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1874048	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1097005	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	932423	100.000	105.86
$ 5	1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	1188698	100.000	101.64
$ 6	Toluene-d8	98	6.334	6.334	(0.830)	4352455	100.000	105.59
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	2098308	100.000	103.65
8	Dichlorodifluoromethane	85	1.518	1.518	(0.304)	1117623	100.000	89.647
9	Chloromethane	50	1.648	1.648	(0.330)	1187813	100.000	104.06
10	Vinyl Chloride	62	1.731	1.731	(0.346)	1368204	100.000	112.82
11	Bromomethane	94	2.003	2.003	(0.401)	491925	100.000	107.13
12	Chloroethane	64	2.085	2.085	(0.417)	590671	100.000	100.51
13	Trichlorofluoromethane	101	2.287	2.287	(0.458)	1045652	100.000	106.47
15	Acrolein	56	2.582	2.582	(0.517)	983977	1000.00	986.84
16	Acetone	43	2.701	2.701	(0.541)	544714	200.000	214.81(A)
17	1,1-Dichloroethene	96	2.689	2.689	(0.538)	1054145	100.000	105.79
18	Freon-113	151	2.701	2.701	(0.541)	853239	100.000	98.674
19	Iodomethane	142	2.819	2.819	(0.564)	1600260	100.000	106.36
20	Carbon Disulfide	76	2.878	2.878	(0.576)	3190410	100.000	102.35
21	Methylene Chloride	84	3.056	3.056	(0.612)	1192005	100.000	105.93
22	Acetonitrile	41	2.914	2.914	(0.583)	1026939	1000.00	987.58
23	Acrylonitrile	53	3.233	3.233	(0.647)	2878491	1000.00	1014.1

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Report Date: 22-Jun-2005 14:51

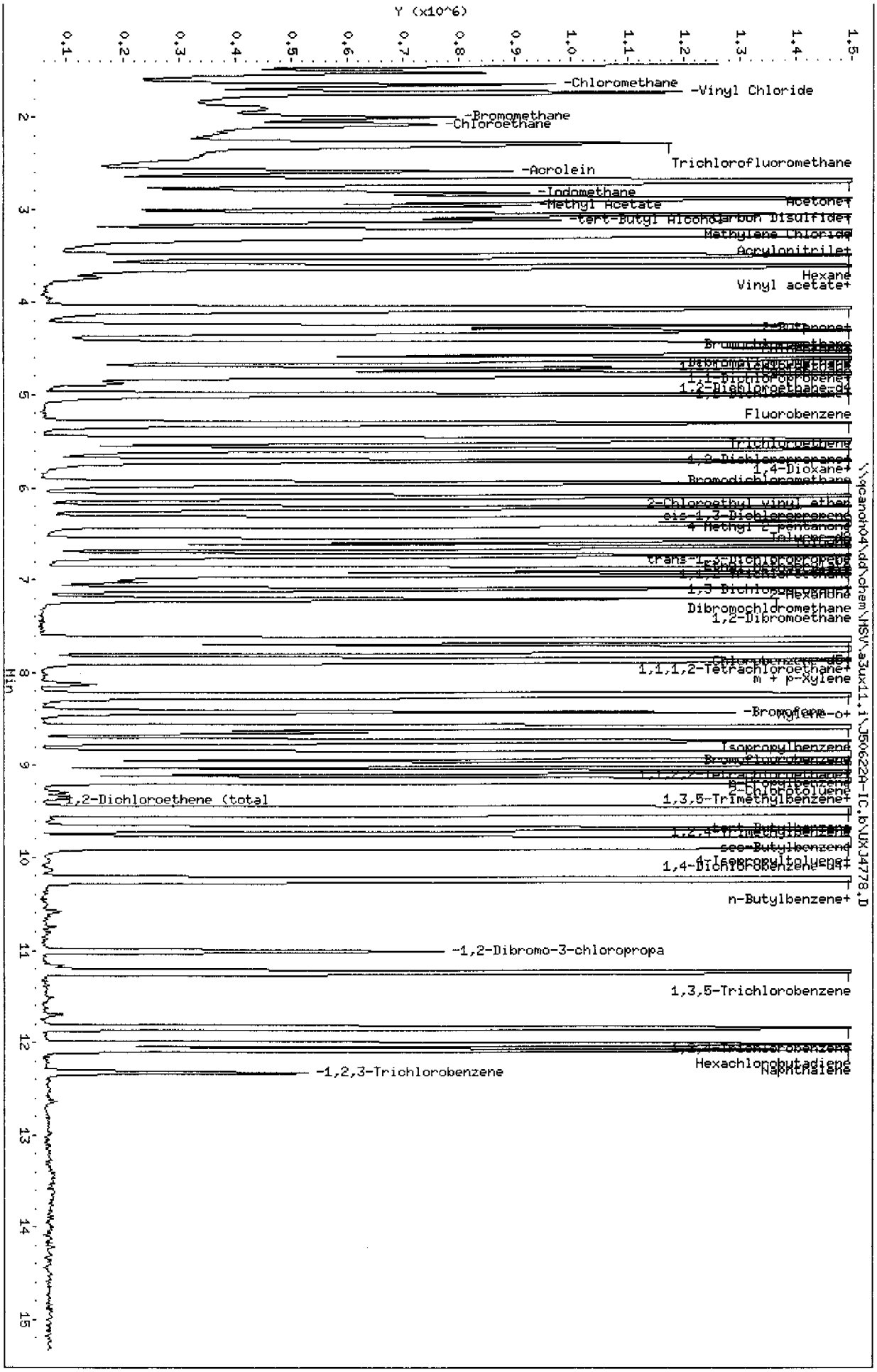
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.281	3.281	(0.657)	2623398	100.000	103.20
25	trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	1002329	100.000	104.02
26	Hexane	86	3.505	3.505	(0.702)	246651	100.000	85.339
27	Vinyl acetate	43	3.624	3.624	(0.725)	1607047	100.000	100.75
28	1,1-Dichloroethane	63	3.600	3.600	(0.721)	1720006	100.000	102.79
29	tert-Butyl Alcohol	59	3.127	3.127	(0.626)	1328005	2000.00	2049.7(A)
30	2-Butanone	43	4.062	4.062	(0.813)	757108	200.000	206.10(A)
32	cis-1,2-dichloroethene	96	4.062	4.062	(0.813)	1046944	100.000	101.06
33	2,2-Dichloropropane	77	4.073	4.073	(0.815)	1149057	100.000	105.99
34	Bromochloromethane	128	4.263	4.263	(0.853)	499328	100.000	101.04
35	Chloroform	83	4.310	4.310	(0.863)	1670430	100.000	104.24
36	Tetrahydrofuran	42	4.298	4.298	(0.860)	253848	100.000	104.79
37	1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	1343006	100.000	103.55
38	1,1-Dichloropropene	75	4.606	4.606	(0.922)	1369006	100.000	101.08
39	Carbon Tetrachloride	117	4.618	4.618	(0.924)	1193874	100.000	102.86
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	1329717	100.000	104.27
41	Benzene	78	4.783	4.783	(0.957)	4338423	100.000	103.61
42	Trichloroethene	130	5.304	5.304	(1.062)	1143217	100.000	103.83
43	1,2-Dichloropropane	63	5.482	5.482	(1.097)	1053040	100.000	102.04
44	1,4-Dioxane	88	5.588	5.588	(1.118)	452853	5000.00	5824.2(A)
45	Dibromomethane	93	5.588	5.588	(1.118)	565615	100.000	101.15
46	Bromodichloromethane	83	5.706	5.706	(1.142)	1324465	100.000	104.38
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	1270477	200.000	201.62(A)
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	1856716	100.000	104.66
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	1991970	200.000	200.94(A)
50	Toluene	91	6.393	6.393	(0.837)	5084764	100.000	103.41
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	1786498	100.000	103.17
52	Ethyl Methacrylate	69	6.641	6.641	(0.870)	1545783	100.000	101.74
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	968829	100.000	101.89
54	1,3-Dichloropropane	76	6.890	6.890	(0.902)	1790484	100.000	104.23
55	Tetrachloroethene	164	6.890	6.890	(0.902)	1083595	100.000	103.95
56	2-Hexanone	43	6.949	6.949	(0.910)	1612838	200.000	201.61(A)
57	Dibromochloromethane	129	7.103	7.103	(0.930)	1114150	100.000	104.57
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	1055842	100.000	104.14
59	Chlorobenzene	112	7.659	7.659	(1.003)	3900644	100.000	105.44
60	1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	1296129	100.000	104.08
61	Ethylbenzene	106	7.753	7.753	(1.015)	2167634	100.000	105.77
62	m + p-Xylene	106	7.872	7.872	(1.031)	5533628	200.000	211.44(A)
64	Xylene-o	106	8.239	8.239	(1.079)	2682040	100.000	106.03
65	Styrene	104	8.250	8.250	(1.081)	4656966	100.000	104.85
66	Bromoform	173	8.428	8.428	(1.104)	713383	100.000	103.00
67	Isopropylbenzene	105	8.594	8.594	(1.126)	6414838	100.000	105.11
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	1273777	100.000	103.20
69	1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	416101	100.000	102.13
70	1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	417433	100.000	98.151
71	Bromobenzene	156	8.889	8.889	(0.902)	1753464	100.000	104.59
72	n-Propylbenzene	120	8.984	8.984	(0.911)	1926881	100.000	105.33
73	2-Chlorotoluene	126	9.067	9.067	(0.920)	1617165	100.000	102.62
74	1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	5720273	100.000	105.85
75	4-Chlorotoluene	126	9.173	9.173	(0.930)	1710798	100.000	105.05
76	tert-Butylbenzene	119	9.469	9.469	(0.960)	5001551	100.000	104.50
77	1,2,4-Trimethylbenzene	105	9.517	9.517	(0.965)	5940980	100.000	105.32
78	sec-Butylbenzene	105	9.682	9.682	(0.982)	6881787	100.000	104.62
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	5998515	100.000	106.88

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Report Date: 22-Jun-2005 14:51

	Compounds	QUANT $IG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.801	9.801	(0.994)	3381489	100.000	104.58
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	3473025	100.000	105.36
82	n-Butylbenzene	91	10.227	10.227	(1.037)	5150413	100.000	107.26
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	3169166	100.000	105.46
84	1,2-Dibromo-3-chloropropane	157	11.008	11.008	(1.116)	234092	100.000	96.922
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	1142206	100.000	99.194
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	711052	100.000	102.40
87	Naphthalene	128	12.084	12.084	(1.226)	1468894	100.000	94.499
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	187885	100.000	92.713
98	Cyclohexane	56	4.535	4.535	(0.908)	1937646	100.000	97.511
143	Methyl Acetate	43	2.961	2.961	(0.593)	1281636	200.000	194.52(A)
144	Methylcyclohexane	83	5.482	5.482	(1.097)	1740419	100.000	93.756(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	2235591	100.000	106.02(A)

QC Flag Legend

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Date : 22-JUN-2005 13:06
Client ID:
Sample Info: 100NG-IC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Report Date: 22-Jun-2005 15:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Lab Smp Id: ICV
Inj Date : 22-JUN-2005 12:43
Operator : 43582 Inst ID: a3ux11.i
Smp Info : ICV
Misc Info : J50622A-IC,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Meth Date : 22-Jun-2005 15:21 a3ux11.i Quant Type: ISTD
Cal Date : 14-JUN-2005 02:31 Cal File: UXJ4631.D
Als bottle: 7 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
* 1	Fluorobenzene	96	4.996	4.996	(1.000)	1901157	50.0000	
* 2	Chlorobenzene-d5	117	7.635	7.635	(1.000)	1892477	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	1104141	50.0000	
$ 4	Dibromofluoromethane	113	4.440	4.440	(0.889)	425157	47.2817	9.456
$ 5	1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	550361	46.0988	9.220
$ 6	Toluene-d8	98	6.334	6.333	(0.830)	2015758	48.4272	9.685
$ 7	Bromofluorobenzene	95	8.736	8.736	(1.144)	1003597	49.0927	9.818
8	Dichlorodifluoromethane	85	1.518	1.517	(0.304)	546845	42.9676	8.594
9	Chloromethane	50	1.648	1.648	(0.330)	629175	53.9924	10.798
10	Vinyl Chloride	62	1.742	1.742	(0.349)	593987	47.9800	9.596
11	Bromomethane	94	2.015	2.003	(0.403)	218677	46.4854	9.297
12	Chloroethane	64	2.097	2.085	(0.420)	342967	57.1690	11.434
13	Trichlorofluoromethane	101	2.299	2.287	(0.460)	502310	50.1024	10.020
15	Acrolein	56	2.594	2.594	(0.519)	790200	776.308	155.26
16	Acetone	43	2.701	2.701	(0.541)	166953	48.0977	9.620
17	1,1-Dichloroethene	96	2.701	2.701	(0.541)	488818	48.0557	9.611
18	Freon-113	151	2.713	2.713	(0.543)	433639	49.1242	9.825
19	Iodomethane	142	2.831	2.831	(0.567)	76062	10.5533	2.111
20	Carbon Disulfide	76	2.890	2.890	(0.578)	1681925	52.8552	10.571
21	Methylene Chloride	84	3.068	3.068	(0.614)	711424	55.4831	11.097
22	Acetonitrile	41	2.914	2.914	(0.583)	574022	540.747	108.15
23	Acrylonitrile	53	3.233	3.233	(0.647)	1607513	554.751	110.95

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Report Date: 22-Jun-2005 15:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.281	3.281	(0.657)	1448999	55.8394	11.168
	25 trans-1,2-Dichloroethene	96	3.281	3.281	(0.657)	515621	52.4157	10.483
	26 Hexane	86	3.505	3.505	(0.702)	132419	44.8798	8.976
	27 Vinyl acetate	43	3.505	3.636	(0.702)	474227	29.1234	5.825
	28 1,1-Dichloroethane	63	3.612	3.612	(0.723)	915563	53.5963	10.719
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.062	4.062	(0.813)	216826	52.7401	10.548
M	31 1,2-Dichloroethene (total)	96				1071202	104.949	20.990
	32 cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	555581	52.5328	10.506
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.310	4.310	(0.863)	888446	54.3097	10.862
	36 Tetrahydrofuran	42	4.535	4.298	(0.908)	213826	84.9117	16.982
	37 1,1,1-Trichloroethane	97	4.488	4.488	(0.898)	707964	53.4702	10.694
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.618	4.618	(0.924)	604898	51.0539	10.211
	40 1,2-Dichloroethane	62	4.783	4.783	(0.957)	707946	54.3778	10.876
	41 Benzene	78	4.783	4.783	(0.957)	2398673	53.7688	10.754
	42 Trichloroethene	130	5.304	5.304	(1.062)	601041	53.4729	10.694
	43 1,2-Dichloropropane	63	5.482	5.481	(1.097)	560149	53.1711	10.634
	44 1,4-Dioxane	88	5.588	5.588	(1.118)	26119	329.056	65.811(A)
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.706	5.706	(1.142)	687715	53.0898	10.618
	47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	353910	55.0179	11.004
	48 cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	952299	52.5834	10.517
	49 4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	531781	52.5478	10.510
	50 Toluene	91	6.393	6.393	(0.837)	2640469	53.1756	10.635
	51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	935684	53.5091	10.702
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	500590	52.1352	10.427
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.890	6.890	(0.902)	552224	52.4602	10.492
	56 2-Hexanone	43	6.949	6.949	(0.910)	405517	50.1978	10.040
	57 Dibromochloromethane	129	7.103	7.103	(0.930)	554005	51.4923	10.298
	58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	549263	53.6484	10.730
	59 Chlorobenzene	112	7.659	7.659	(1.003)	2007898	53.7498	10.750
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.753	7.753	(1.015)	1113016	53.7791	10.756
	62 m + p-Xylene	106	7.872	7.872	(1.031)	2760207	104.441	20.888
M	63 Xylenes (total)	106				4113213	157.410	31.482
	64 Xylene-o	106	8.239	8.239	(1.079)	1353006	52.9688	10.594
	65 Styrene	104	8.250	8.250	(1.081)	2301631	51.3154	10.263
	66 Bromoform	173	8.428	8.428	(1.104)	355592	50.8431	10.169
	67 Isopropylbenzene	105	8.594	8.594	(1.126)	3436298	55.7571	11.151
	68 1,1,2,2-Tetrachloroethane	83	8.854	8.866	(0.898)	662197	53.3057	10.661
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	9.150	8.984	(0.928)	19882	1.07982	0.2160
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	9.469	9.469	(0.960)	40947	0.85004	0.1700
	77 1,2,4-Trimethylbenzene	105	9.517	9.516	(0.965)	48058	0.84650	0.1693

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Report Date: 22-Jun-2005 15:21

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	9.682	9.682	(0.982)	70946	1.07156	0.2143
79	4-Isopropyltoluene	119	9.824	9.824	(0.996)	66174	1.17147	0.2343
80	1,3-Dichlorobenzene	146	9.801	9.800	(0.994)	1740766	53.4905	10.698
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1802594	54.3295	10.866
82	n-Butylbenzene	91	10.227	10.226	(1.037)	73502	1.52077	0.3042
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1633276	53.9995	10.800
84	1,2-Dibromo-3-chloropropane	157	11.008	11.007	(1.116)	137267	56.4661	11.293
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	618730	53.3862	10.677
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	33641	4.81330	0.9627
87	Naphthalene	128	12.084	12.084	(1.226)	53656	3.42957	0.6859
88	1,2,3-Trichlorobenzene	180	12.321	12.333	(1.250)	9685	4.74824	0.9496
98	Cyclohexane	56	4.547	4.547	(0.910)	886497	43.7014	8.740
143	Methyl Acetate	43	2.973	2.973	(0.595)	338244	50.2887	10.058(A)
144	Methylcyclohexane	83	5.482	5.481	(1.097)	828451	43.7168	8.743(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	38320	1.80546	0.3611(A)

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Report Date: 22-Jun-2005 15:21

STL North Canton

RECOVERY REPORT

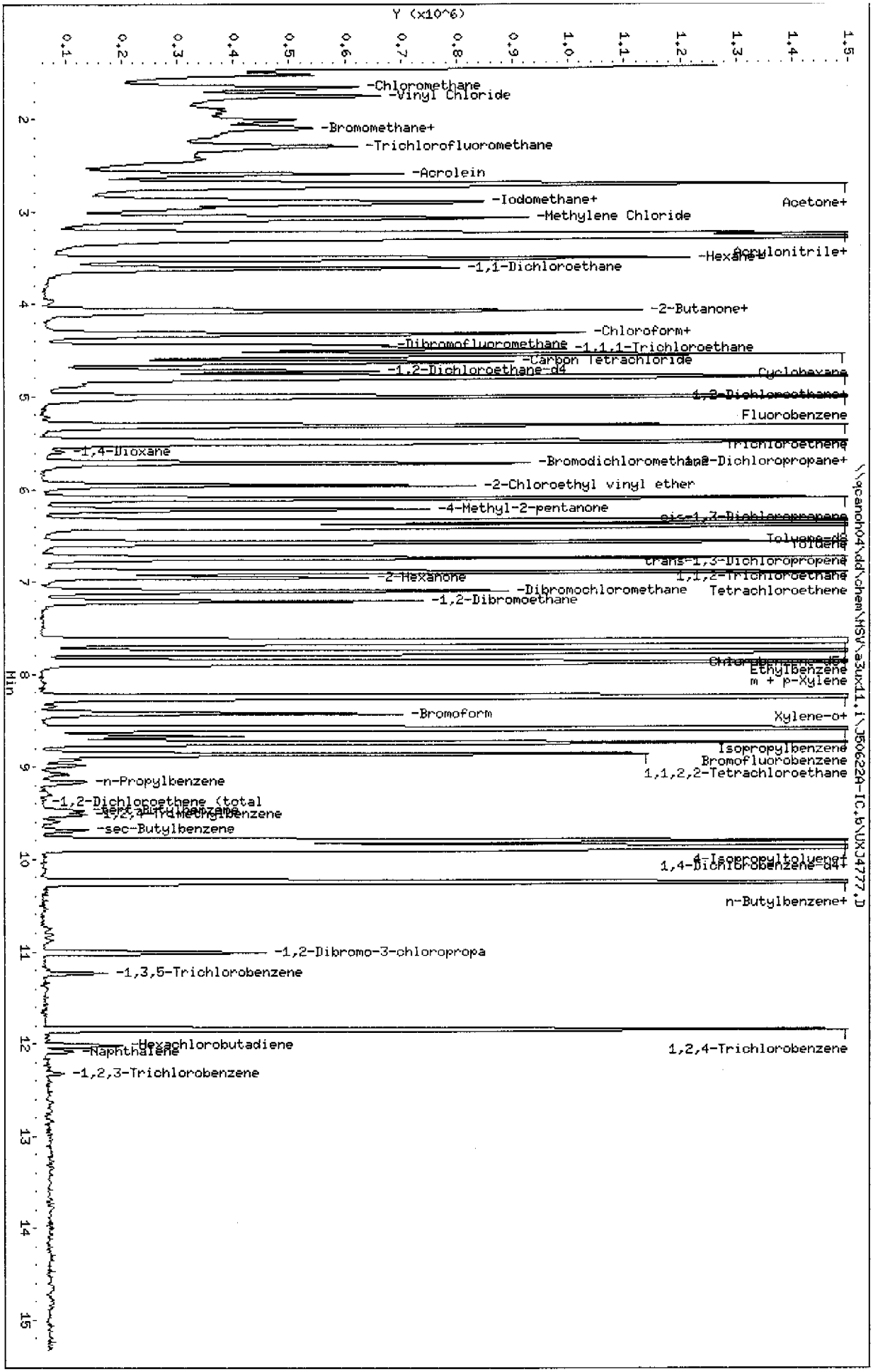
Client Name:
Client SDG: SDGa01304
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ICV
Level: LOW
Operator: 43582
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: plexus-ck.spk
Quant Type: ISTD
Sublist File: 2-8260.SUB
Method File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\8260LLUX11.m
Misc Info: J50622A-IC,8260LLUX11,2-8260.SUB,43582,3

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17	1,1-Dichloroethene	10.000	9.611	96.11	45-155
	42	Trichloroethene	10.000	10.694	106.95	45-155
	59	Chlorobenzene	10.000	10.750	107.50	45-155
	50	Toluene	10.000	10.635	106.35	45-155
	41	Benzene	10.000	10.754	107.54	45-155
	16	Acetone	10.000	9.620	96.20	45-155
	20	Carbon Disulfide	10.000	10.571	105.71	45-155
	9	Chloromethane	10.000	10.798	107.98	45-155
	11	Bromomethane	10.000	9.297	92.97	45-155
	10	Vinyl Chloride	10.000	9.596	95.96	45-155
	12	Chloroethane	10.000	11.434	114.34	45-155
	21	Methylene Chloride	10.000	11.097	110.97	45-155
	28	1,1-Dichloroethane	10.000	10.719	107.19	45-155
M	31	1,2-Dichloroethene	20.000	20.990	104.95	45-155
	35	Chloroform	10.000	10.862	108.62	45-155
	40	1,2-Dichloroethane	10.000	10.876	108.76	45-155
	30	2-Butanone	10.000	10.548	105.48	45-155
	37	1,1,1-Trichloroeth	10.000	10.694	106.94	45-155
	39	Carbon Tetrachlori	10.000	10.211	102.11	45-155
	46	Bromodichlorometha	10.000	10.618	106.18	45-155
	43	1,2-Dichloropropan	10.000	10.634	106.34	45-155
	48	cis-1,3-Dichloropr	10.000	10.517	105.17	45-155
	57	Dibromochlorometha	10.000	10.298	102.98	45-155
	53	1,1,2-Trichloroeth	10.000	10.427	104.27	45-155
	51	trans-1,3-Dichloro	10.000	10.702	107.02	45-155
	66	Bromoform	10.000	10.169	101.69	45-155
	49	4-Methyl-2-pentano	10.000	10.510	105.10	45-155
	56	2-Hexanone	10.000	10.040	100.40	45-155
	55	Tetrachloroethene	10.000	10.492	104.92	45-155
	68	1,1,2,2-Tetrachlor	10.000	10.661	106.61	45-155
	61	Ethylbenzene	10.000	10.756	107.56	45-155
	65	Styrene	10.000	10.263	102.63	45-155
M	63	Xylenes (total)	30.000	31.482	104.94	45-155
	32	cis-1,2-dichloroet	10.000	10.506	105.07	45-155
	25	trans-1,2-Dichloro	10.000	10.483	104.83	45-155
	8	Dichlorodifluorome	10.000	8.594	85.94	45-155
	13	Trichlorofluoromet	10.000	10.020	100.20	45-155
	18	Freon-113	10.000	9.825	98.25	45-155
	24	Methyl tert-butyl	10.000	11.168	111.68	45-155
	58	1,2-Dibromoethane	10.000	10.730	107.30	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Report Date: 22-Jun-2005 15:21

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
67 Isopropylbenzene	10.000	11.151	111.51	45-155
80 1,3-Dichlorobenzen	10.000	10.698	106.98	45-155
81 1,4-Dichlorobenzen	10.000	10.866	108.66	45-155
83 1,2-Dichlorobenzen	10.000	10.800	108.00	45-155
84 1,2-Dibromo-3-chlo	10.000	11.293	112.93	45-155
85 1,2,4-Trichloroben	10.000	10.677	106.77	45-155
98 Cyclohexane	10.000	8.740	87.40	45-155
143 Methyl Acetate	10.000	10.058	100.58	45-155
144 Methylcyclohexane	10.000	8.743	87.43	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.456	94.56	73-122
$ 5 1,2-Dichloroethane	10.000	9.220	92.20	61-128
$ 6 Toluene-d8	10.000	9.685	96.85	76-110
$ 7 Bromofluorobenzene	10.000	9.818	98.19	74-116



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4777.D
Date : 22-JUN-2005 12:43
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m
Start Cal Date: 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
22-JUN-2005 13:29	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4779.D
22-JUN-2005 10:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Cal Level: 2 , Cal Amount: 10.00000		
22-JUN-2005 13:50	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4780.D
22-JUN-2005 10:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Cal Level: 3 , Cal Amount: 25.00000		
22-JUN-2005 14:11	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4781.D
22-JUN-2005 10:48	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Cal Level: 4 , Cal Amount: 50.00000		
22-JUN-2005 14:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
22-JUN-2005 11:10	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Cal Level: 5 , Cal Amount: 100.00000		
22-JUN-2005 14:54	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4783.D
22-JUN-2005 13:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Cal Level: 6 , Cal Amount: 200.00000		
22-JUN-2005 15:15	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4784.D
22-JUN-2005 12:22	2-8260	

\\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5357.D		

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

08-JUL-2005 07:42	2-8260	
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5358.D		
08-JUL-2005 08:04	3-IX	
\\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5359.D		

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5358.D
Report Date: 08-Jul-2005 08:53

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 08-JUL-2005 07:42
Lab File ID: UXJ5358.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.23649	0.22580	0.22580	0.010	4.52047	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.31399	0.30013	0.30013	0.010	4.41422	50.00000	Averaged	
$ 6 Toluene-d8	1.09974	1.15702	1.15702	0.010	-5.20879	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.54011	0.57531	0.57531	0.010	-6.51765	50.00000	Averaged	
8 Dichlorodifluoromethane	0.33471	0.29238	0.29238	0.010	12.64836	50.00000	Averaged	
9 Chloromethane	0.30647	0.30277	0.30277	0.100	1.20798	50.00000	Averaged	
10 Vinyl Chloride	0.32559	0.32654	0.32654	0.010	-0.29123	20.00000	Averaged	
11 Bromomethane	50.00000	48.87878	0.12146	0.010	2.24245	0.000e+000	Quadratic	
12 Chloroethane	0.15778	0.21034	0.21034	0.010	-33.31666	50.00000	Averaged	
13 Trichlorofluoromethane	0.26367	0.33498	0.33498	0.010	-27.04533	50.00000	Averaged	
15 Acrolein	0.02677	0.02739	0.02739	0.010	-2.29768	50.00000	Averaged	
16 Acetone	100	108	0.08073	0.010	-8.08263	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.26752	0.30974	0.30974	0.010	-15.78350	20.00000	Averaged	
18 Freon-113	0.23216	0.24187	0.24187	0.010	-4.18225	50.00000	Averaged	
19 Iodomethane	50.00000	37.09700	0.28681	0.010	25.80600	0.000e+000	Quadratic	
20 Carbon Disulfide	0.83690	1.05055	1.05055	0.010	-25.52887	50.00000	Averaged	
21 Methylene Chloride	50.00000	51.04916	0.35084	0.010	-2.09832	0.000e+000	Wt Linear	
22 Acetonitrile	0.02792	0.03025	0.03025	0.010	-8.35251	50.00000	Averaged	
23 Acrylonitrile	0.07621	0.07734	0.07734	0.010	-1.48197	50.00000	Averaged	
24 Methyl tert-butyl ether	0.68246	0.72449	0.72449	0.010	-6.15805	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.25871	0.28577	0.28577	0.010	-10.45911	50.00000	Averaged	
26 Hexane	0.07760	0.07274	0.07274	0.010	6.26616	20.00000	Averaged	
27 Vinyl acetate	0.42825	0.40587	0.40587	0.010	5.22658	50.00000	Averaged	
28 1,1-Dichloroethane	0.44927	0.51896	0.51896	0.100	-15.51333	50.00000	Averaged	
29 tert-Butyl Alcohol	0.01739	0.01631	0.01631	0.010	6.25735	50.00000	Averaged	
30 2-Butanone	100	105	0.10672	0.010	-4.84941	0.000e+000	Wt Linear	
M 31 1,2-Dichloroethene (total)	0.26843	0.29678	0.29678	0.010	-10.56121	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.27814	0.30778	0.30778	0.010	-10.65618	50.00000	Averaged	
33 2,2-Dichloropropane	0.29106	0.27174	0.27174	0.010	6.63773	50.00000	Averaged	
34 Bromochloromethane	0.13268	0.14209	0.14209	0.010	-7.09446	50.00000	Averaged	
35 Chloroform	0.43024	0.49490	0.49490	0.010	-15.02922	20.00000	Averaged	
36 Tetrahydrofuran	50.00000	60.28711	0.08294	0.010	-20.57422	0.000e+000	Wt Linear	
37 1,1,1-Trichloroethane	0.34822	0.35621	0.35621	0.010	-2.29442	50.00000	Averaged	
38 1,1-Dichloropropene	0.36364	0.40585	0.40585	0.010	-11.60719	50.00000	Averaged	
39 Carbon Tetrachloride	0.31161	0.27657	0.27657	0.010	11.24450	50.00000	Averaged	
40 1,2-Dichloroethane	0.34240	0.41077	0.41077	0.010	-19.96742	50.00000	Averaged	
41 Benzene	50.00000	60.42982	1.40440	0.010	-20.85964	0.000e+000	Wt Linear	
42 Trichloroethene	0.29561	0.30667	0.30667	0.010	-3.74203	50.00000	Averaged	
43 1,2-Dichloropropane	0.27706	0.30763	0.30763	0.010	-11.03132	20.00000	Averaged	
44 1,4-Dioxane	0.00209	0.00245	0.00245	0.010	-17.28574	50.00000	Averaged	<-
45 Dibromomethane	0.15013	0.16088	0.16088	0.010	-7.16344	50.00000	Averaged	
46 Bromodichloromethane	0.34068	0.34372	0.34372	0.010	-0.89071	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.16918	0.14073	0.14073	0.010	16.81571	50.00000	Averaged	

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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5358.D
Report Date: 08-Jul-2005 08:53

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 08-JUL-2005 07:42
Lab File ID: UXJ5358.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
48 cis-1,3-Dichloropropene	0.47630	0.45726	0.45726	0.010	3.99637	50.00000	Averaged	
49 4-Methyl-2-pentanone	0.26615	0.22906	0.22906	0.010	13.93640	50.00000	Averaged	
50 Toluene	1.31192	1.53847	1.53847	0.010	-17.26870	20.00000	Averaged	
51 trans-1,3-Dichloropropene	0.46200	0.46193	0.46193	0.010	0.01513	50.00000	Averaged	
52 Ethyl Methacrylate	0.40538	0.42498	0.42498	0.010	-4.83573	50.00000	Averaged	
53 1,1,2-Trichloroethane	0.25368	0.29050	0.29050	0.010	-14.51503	50.00000	Averaged	
54 1,3-Dichloropropane	0.45833	0.54541	0.54541	0.010	-18.99806	50.00000	Averaged	
55 Tetrachloroethene	0.27812	0.30658	0.30658	0.010	-10.23358	50.00000	Averaged	
56 2-Hexanone	0.21343	0.19605	0.19605	0.010	8.14726	50.00000	Averaged	
57 Dibromochloromethane	0.28426	0.26027	0.26027	0.010	8.43890	50.00000	Averaged	
58 1,2-Dibromoethane	0.27050	0.29253	0.29253	0.010	-8.14563	50.00000	Averaged	
59 Chlorobenzene	0.98697	1.10347	1.10347	0.300	-11.80355	50.00000	Averaged	
60 1,1,1,2-Tetrachloroethane	0.33226	0.30835	0.30835	0.010	7.19466	50.00000	Averaged	
61 Ethylbenzene	0.54680	0.58746	0.58746	0.010	-7.43663	20.00000	Averaged	
62 m + p-Xylene	0.69825	0.76300	0.76300	0.010	-9.27376	50.00000	Averaged	
M 63 Xylenes (total)	0.69045	0.76115	0.76115	0.010	-10.23882	50.00000	Averaged	
64 Xylene-o	0.67487	0.75744	0.75744	0.010	-12.23581	50.00000	Averaged	
65 Styrene	1.18502	1.36963	1.36963	0.010	-15.57793	50.00000	Averaged	
66 Bromoform	0.18478	0.15971	0.15971	0.100	13.56769	50.00000	Averaged	
67 Isopropylbenzene	1.62828	1.87934	1.87934	0.010	-15.41858	50.00000	Averaged	
68 1,1,2,2-Tetrachloroethane	0.56255	0.65956	0.65956	0.300	-17.24554	50.00000	Averaged	
69 1,4-Dichloro-2-butene	0.18570	0.19808	0.19808	0.010	-6.66379	50.00000	Averaged	
70 1,2,3-Trichloropropane	0.19384	0.21664	0.21664	0.010	-11.75904	50.00000	Averaged	
71 Bromobenzene	0.76413	0.82935	0.82935	0.010	-8.53484	50.00000	Averaged	
72 n-Propylbenzene	0.83378	0.89409	0.89409	0.010	-7.23261	50.00000	Averaged	
73 2-Chlorotoluene	0.71825	0.77807	0.77807	0.010	-8.32891	50.00000	Averaged	
74 1,3,5-Trimethylbenzene	2.46303	2.71380	2.71380	0.010	-10.18174	50.00000	Averaged	
75 4-Chlorotoluene	0.74230	0.84225	0.84225	0.010	-13.46505	50.00000	Averaged	
76 tert-Butylbenzene	2.18135	2.31440	2.31440	0.010	-6.09951	50.00000	Averaged	
77 1,2,4-Trimethylbenzene	2.57090	2.82868	2.82868	0.010	-10.02695	50.00000	Averaged	
78 sec-Butylbenzene	2.99817	3.16923	3.16923	0.010	-5.70568	50.00000	Averaged	
79 4-Isopropyltoluene	2.55800	2.73705	2.73705	0.010	-6.99962	50.00000	Averaged	
80 1,3-Dichlorobenzene	1.47370	1.58868	1.58868	0.010	-7.80208	50.00000	Averaged	
81 1,4-Dichlorobenzene	1.50248	1.65855	1.65855	0.010	-10.38760	50.00000	Averaged	
82 n-Butylbenzene	2.18867	2.35883	2.35883	0.010	-7.77462	50.00000	Averaged	
83 1,2-Dichlorobenzene	1.36967	1.52328	1.52328	0.010	-11.21535	50.00000	Averaged	
84 1,2-Dibromo-3-chloropropane	0.11008	0.09670	0.09670	0.010	12.15353	50.00000	Averaged	
85 1,2,4-Trichlorobenzene	0.52483	0.71779	0.71779	0.010	-36.76659	50.00000	Averaged	
86 Hexachlorobutadiene	0.31650	0.31173	0.31173	0.010	1.50554	50.00000	Averaged	
87 Naphthalene	0.70848	1.36739	1.36739	0.010	-93.00485	50.00000	Averaged	<-
88 1,2,3-Trichlorobenzene	0.09237	0.37450	0.37450	0.010	-305	50.00000	Averaged	<-
98 Cyclohexane	0.53350	0.59363	0.59363	0.010	-11.27059	50.00000	Averaged	
143 Methyl Acetate	0.17689	0.17451	0.17451	0.010	1.34650	50.00000	Averaged	

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Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5358.D
Report Date: 08-Jul-2005 08:53

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 08-JUL-2005 07:42
Lab File ID: UXJ5358.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.49839	0.49757	0.49757	0.010	0.16403	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.96113	0.96925	0.96925	0.010	-0.84470	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5358.D
Report Date: 08-Jul-2005 08:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5358.D
Lab Smp Id: 50NG-CC
Inj Date : 08-JUL-2005 07:42
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J50708A,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m
Meth Date : 08-Jul-2005 08:53 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.996	4.996	(1.000)	1644913	50.0000	
*	2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1444318	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	920874	50.0000	
$	4 Dibromofluoromethane	113	4.440	4.440	(0.889)	371417	50.0000	47.740
$	5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	493681	50.0000	47.793
$	6 Toluene-d8	98	6.333	6.333	(0.830)	1671105	50.0000	52.604
$	7 Bromofluorobenzene	95	8.735	8.735	(1.144)	830934	50.0000	53.259
	8 Dichlorodifluoromethane	85	1.517	1.517	(0.304)	480938	50.0000	43.676
	9 Chloromethane	50	1.659	1.659	(0.332)	498030	50.0000	49.396
	10 Vinyl Chloride	62	1.742	1.742	(0.349)	537124	50.0000	50.146
	11 Bromomethane	94	2.014	2.014	(0.403)	199786	50.0000	48.879
	12 Chloroethane	64	2.097	2.097	(0.420)	345996	50.0000	66.658
	13 Trichlorofluoromethane	101	2.298	2.298	(0.460)	551019	50.0000	63.523
	15 Acrolein	56	2.594	2.594	(0.519)	450468	500.000	511.49
	16 Acetone	43	2.701	2.701	(0.541)	265591	100.000	108.08
	17 1,1-Dichloroethene	96	2.701	2.701	(0.541)	509500	50.0000	57.892
	18 Freon-113	151	2.713	2.713	(0.543)	397852	50.0000	52.091
	19 Iodomethane	142	2.831	2.831	(0.567)	471773	50.0000	37.097
	20 Carbon Disulfide	76	2.890	2.890	(0.578)	1728056	50.0000	62.764

21 Methylene Chloride	84	3.067	3.067 (0.614)	577100	50.0000	51.049
22 Acetonitrile	41	2.914	2.914 (0.583)	497586	500.000	541.76
23 Acrylonitrile	53	3.233	3.233 (0.647)	1272156	500.000	507.41

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5358.D
Report Date: 08-Jul-2005 08:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	3.280	3.280	(0.657)	1191723	50.0000	53.079
25	trans-1,2-Dichloroethene	96	3.280	3.280	(0.657)	470073	50.0000	55.230
26	Hexane	86	3.505	3.505	(0.702)	119644	50.0000	46.867
27	Vinyl acetate	43	3.635	3.635	(0.728)	667615	50.0000	47.387
28	1,1-Dichloroethane	63	3.612	3.612	(0.723)	853652	50.0000	57.757
29	tert-Butyl Alcohol	59	3.127	3.127	(0.626)	536448	1000.00	937.43
30	2-Butanone	43	4.061	4.061	(0.813)	351078	100.000	104.85
32	cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	506276	50.0000	55.328
33	2,2-Dichloropropane	77	4.073	4.073	(0.815)	446991	50.0000	46.681
34	Bromochloromethane	128	4.263	4.263	(0.853)	233724	50.0000	53.547
35	Chloroform	83	4.310	4.310	(0.863)	814061	50.0000	57.515
36	Tetrahydrofuran	42	4.298	4.298	(0.860)	136434	50.0000	60.287
37	1,1,1-Trichloroethane	97	4.487	4.487	(0.898)	585931	50.0000	51.147
38	1,1-Dichloropropene	75	4.618	4.618	(0.924)	667582	50.0000	55.804
39	Carbon Tetrachloride	117	4.618	4.618	(0.924)	454929	50.0000	44.378
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	675673	50.0000	59.984
41	Benzene	78	4.783	4.783	(0.957)	2310121	50.0000	60.430
42	Trichloroethene	130	5.304	5.304	(1.062)	504452	50.0000	51.871
43	1,2-Dichloropropane	63	5.481	5.481	(1.097)	506021	50.0000	55.516
44	1,4-Dioxane	88	5.588	5.588	(1.118)	201371	2500.00	2932.1(A)
45	Dibromomethane	93	5.588	5.588	(1.118)	264641	50.0000	53.582
46	Bromodichloromethane	83	5.706	5.706	(1.142)	565384	50.0000	50.445
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	462972	100.000	83.184
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	752155	50.0000	48.002
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	753569	100.000	86.064
50	Toluene	91	6.393	6.393	(0.837)	2222046	50.0000	58.634
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	667172	50.0000	49.992
52	Ethyl Methacrylate	69	6.641	6.641	(0.870)	613811	50.0000	52.418
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	419581	50.0000	57.258
54	1,3-Dichloropropane	76	6.890	6.890	(0.902)	787745	50.0000	59.499
55	Tetrachloroethene	164	6.890	6.890	(0.902)	442794	50.0000	55.117
56	2-Hexanone	43	6.949	6.949	(0.910)	566303	100.000	91.853
57	Dibromochloromethane	129	7.091	7.091	(0.929)	375911	50.0000	45.780
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	422508	50.0000	54.073
59	Chlorobenzene	112	7.659	7.659	(1.003)	1593759	50.0000	55.902
60	1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	445357	50.0000	46.403
61	Ethylbenzene	106	7.753	7.753	(1.015)	848482	50.0000	53.718
62	m + p-Xylene	106	7.860	7.860	(1.029)	2204035	100.000	109.27
64	Xylene-o	106	8.238	8.238	(1.079)	1093990	50.0000	56.118
65	Styrene	104	8.250	8.250	(1.081)	1978176	50.0000	57.789
66	Bromoform	173	8.428	8.428	(1.104)	230674	50.0000	43.216
67	Isopropylbenzene	105	8.593	8.593	(1.126)	2714369	50.0000	57.709
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	607373	50.0000	58.623
69	1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	182406	50.0000	53.332
70	1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	199497	50.0000	55.880
71	Bromobenzene	156	8.889	8.889	(0.902)	763723	50.0000	54.267
72	n-Propylbenzene	120	8.984	8.984	(0.911)	823341	50.0000	53.616
73	2-Chlorotoluene	126	9.067	9.067	(0.920)	716504	50.0000	54.164
74	1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	2499072	50.0000	55.091
75	4-Chlorotoluene	126	9.173	9.173	(0.930)	775604	50.0000	56.732
76	tert-Butylbenzene	119	9.469	9.469	(0.960)	2131274	50.0000	53.050
77	1,2,4-Trimethylbenzene	105	9.516	9.516	(0.965)	2604862	50.0000	55.013

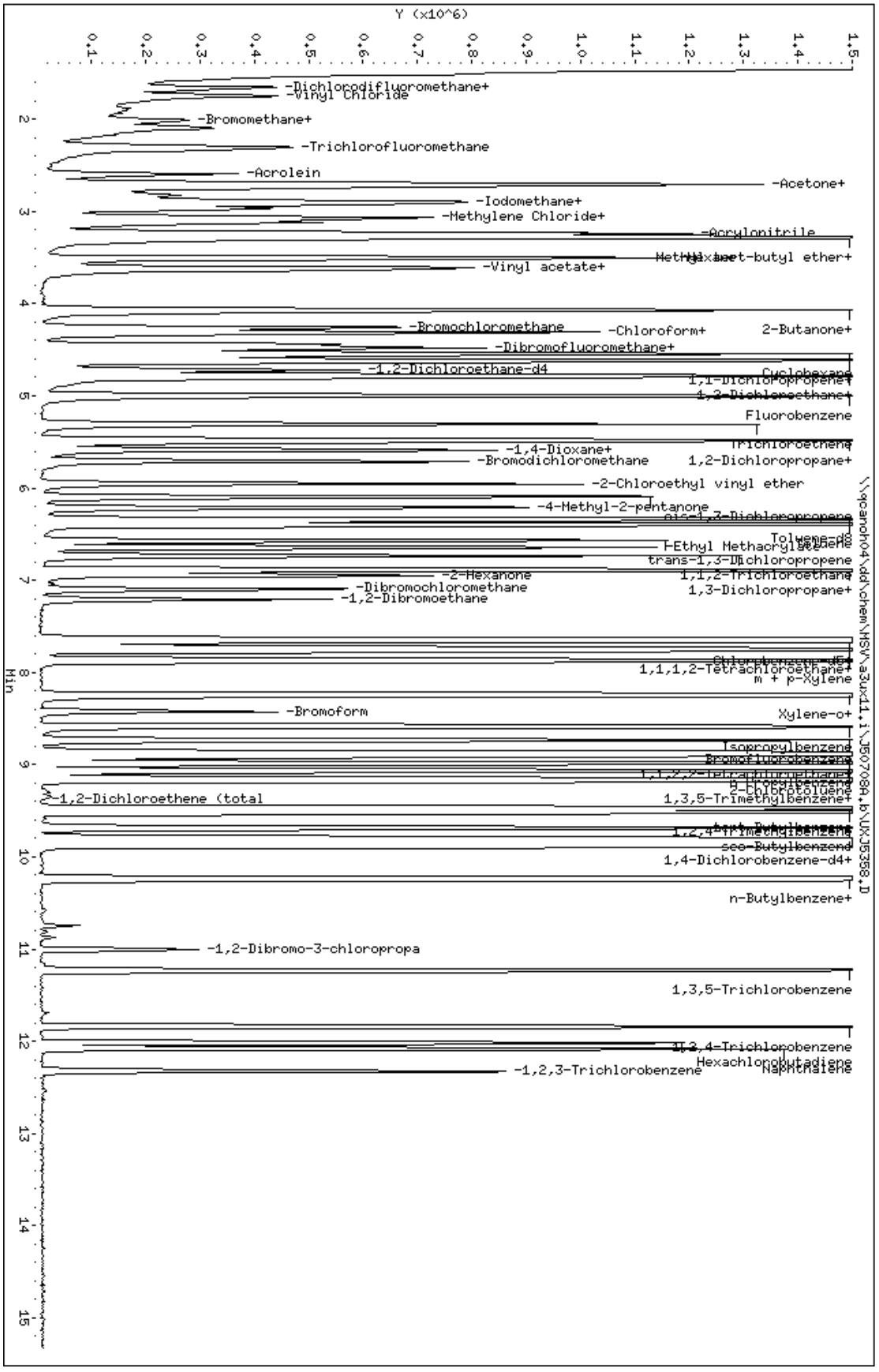
78 sec-Butylbenzene	105	9.682	9.682 (0.982)	2918465	50.0000	52.853
79 4-Isopropyltoluene	119	9.824	9.824 (0.996)	2520482	50.0000	53.500

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5358.D
Report Date: 08-Jul-2005 08:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	1462973	50.0000	53.901
81	1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1527313	50.0000	55.194
82	n-Butylbenzene	91	10.226	10.226	(1.037)	2172183	50.0000	53.887
83	1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1402749	50.0000	55.608
84	1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	89053	50.0000	43.923
85	1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	660995	50.0000	68.383
86	Hexachlorobutadiene	225	12.025	12.025	(1.220)	287067	50.0000	49.247
87	Naphthalene	128	12.084	12.084	(1.226)	1259195	50.0000	96.502
88	1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	344866	50.0000	202.72(A)
98	Cyclohexane	56	4.547	4.547	(0.910)	976467	50.0000	55.635
143	Methyl Acetate	43	2.973	2.973	(0.595)	574113	100.000	98.654(A)
144	Methylcyclohexane	83	5.481	5.481	(1.097)	818465	50.0000	49.918(A)
141	1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	892559	50.0000	50.422(A)

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UX35358.D
Date : 08-JUL-2005 07:42
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride+
-Acrylonitrile
Methyl tert-butyl ether+
-Vinyl acetate+
-Bromochloromethane
-Chloroform+
2-Butanone+
-Dibromofluoromethane+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Ethyl Methacrylate
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
1,3-Dichloropropane+
-1,2-Dibromoethane
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
-1,2-Dichloroethene (total
1,3,5-Trimethylbenzene+
tert-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
-1,2,3-Trichlorobenzene
Naphthalene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UX35358.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Start Cal Date: 13-JUN-2005 23:19
End Cal Date : 22-JUN-2005 15:15
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
22-JUN-2005 13:29	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4779.D
22-JUN-2005 10:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4771.D
Cal Level: 2 , Cal Amount: 10.00000		
22-JUN-2005 13:50	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4780.D
22-JUN-2005 10:28	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4772.D
Cal Level: 3 , Cal Amount: 25.00000		
22-JUN-2005 14:11	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4781.D
22-JUN-2005 10:48	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4773.D
Cal Level: 4 , Cal Amount: 50.00000		
22-JUN-2005 14:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4782.D
22-JUN-2005 11:10	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4774.D
Cal Level: 5 , Cal Amount: 100.00000		
22-JUN-2005 14:54	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4783.D
22-JUN-2005 13:06	2-8260	\\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4778.D
Cal Level: 6 , Cal Amount: 200.00000		
22-JUN-2005 15:15	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\UXJ4784.D
22-JUN-2005 12:22	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

11-JUL-2005 13:01	2-8260	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5387.D
11-JUL-2005 12:36	3-IX	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5386.D
11-JUL-2005 11:59	2-8260	\\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5385.D

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5387.D
Report Date: 11-Jul-2005 13:16

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 11-JUL-2005 13:01
Lab File ID: UXJ5387.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.23649	0.22624	0.22624	0.010	4.33408	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.31399	0.32332	0.32332	0.010	-2.97264	50.00000	Averaged	
$ 6 Toluene-d8	1.09974	1.10681	1.10681	0.010	-0.64347	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.54011	0.52571	0.52571	0.010	2.66619	50.00000	Averaged	
8 Dichlorodifluoromethane	0.33471	0.21303	0.21303	0.010	36.35429	50.00000	Averaged	
9 Chloromethane	0.30647	0.28722	0.28722	0.100	6.28294	50.00000	Averaged	
10 Vinyl Chloride	0.32559	0.33385	0.33385	0.010	-2.53861	20.00000	Averaged	
11 Bromomethane	50.00000	55.44465	0.13884	0.010	-10.88931	0.000e+000	Quadratic	
12 Chloroethane	0.15778	0.18660	0.18660	0.010	-18.26538	50.00000	Averaged	
13 Trichlorofluoromethane	0.26367	0.21111	0.21111	0.010	19.93661	50.00000	Averaged	
15 Acrolein	0.02677	0.03188	0.03188	0.010	-19.09740	50.00000	Averaged	
16 Acetone	100	159	0.11191	0.010	-58.87174	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.26752	0.25857	0.25857	0.010	3.34420	20.00000	Averaged	
18 Freon-113	0.23216	0.18764	0.18764	0.010	19.17778	50.00000	Averaged	
19 Iodomethane	50.00000	47.79485	0.38135	0.010	4.41029	0.000e+000	Quadratic	
20 Carbon Disulfide	0.83690	0.80053	0.80053	0.010	4.34486	50.00000	Averaged	
21 Methylene Chloride	50.00000	41.31372	0.29953	0.010	17.37255	0.000e+000	Wt Linear	
22 Acetonitrile	0.02792	0.03236	0.03236	0.010	-15.91047	50.00000	Averaged	
23 Acrylonitrile	0.07621	0.09933	0.09933	0.010	-30.33473	50.00000	Averaged	
24 Methyl tert-butyl ether	0.68246	0.70470	0.70470	0.010	-3.25885	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.25871	0.26376	0.26376	0.010	-1.95068	50.00000	Averaged	
26 Hexane	0.07760	0.05550	0.05550	0.010	28.47561	20.00000	Averaged	<-
27 Vinyl acetate	0.42825	0.44830	0.44830	0.010	-4.68219	50.00000	Averaged	
28 1,1-Dichloroethane	0.44927	0.47819	0.47819	0.100	-6.43680	50.00000	Averaged	
29 tert-Butyl Alcohol	0.01739	0.01231	0.01231	0.010	29.24920	50.00000	Averaged	
30 2-Butanone	100	140	0.14024	0.010	-40.00303	0.000e+000	Wt Linear	
M 31 1,2-Dichloroethene (total)	0.26843	0.27256	0.27256	0.010	-1.53909	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.27814	0.28136	0.28136	0.010	-1.15606	50.00000	Averaged	
33 2,2-Dichloropropane	0.29106	0.26596	0.26596	0.010	8.62388	50.00000	Averaged	
34 Bromochloromethane	0.13268	0.12987	0.12987	0.010	2.11361	50.00000	Averaged	
35 Chloroform	0.43024	0.46580	0.46580	0.010	-8.26531	20.00000	Averaged	
36 Tetrahydrofuran	50.00000	59.03963	0.08145	0.010	-18.07925	0.000e+000	Wt Linear	
37 1,1,1-Trichloroethane	0.34822	0.31910	0.31910	0.010	8.36212	50.00000	Averaged	
38 1,1-Dichloropropene	0.36364	0.36511	0.36511	0.010	-0.40519	50.00000	Averaged	
39 Carbon Tetrachloride	0.31161	0.18508	0.18508	0.010	40.60426	50.00000	Averaged	
40 1,2-Dichloroethane	0.34240	0.40567	0.40567	0.010	-18.47881	50.00000	Averaged	
41 Benzene	50.00000	47.88407	1.13561	0.010	4.23186	0.000e+000	Wt Linear	
42 Trichloroethene	0.29561	0.28289	0.28289	0.010	4.30199	50.00000	Averaged	
43 1,2-Dichloropropane	0.27706	0.28430	0.28430	0.010	-2.61274	20.00000	Averaged	
44 1,4-Dioxane	0.00209	0.00214	0.00214	0.010	-2.38982	50.00000	Averaged	<-
45 Dibromomethane	0.15013	0.15753	0.15753	0.010	-4.93021	50.00000	Averaged	
46 Bromodichloromethane	0.34068	0.28876	0.28876	0.010	15.24120	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.16918	0.18473	0.18473	0.010	-9.19265	50.00000	Averaged	

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5387.D
Report Date: 11-Jul-2005 13:16

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 11-JUL-2005 13:01
Lab File ID: UXJ5387.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
48 cis-1,3-Dichloropropene	0.47630	0.41929	0.41929	0.010	11.96927	50.00000	Averaged	
49 4-Methyl-2-pentanone	0.26615	0.28594	0.28594	0.010	-7.43303	50.00000	Averaged	
50 Toluene	1.31192	1.42267	1.42267	0.010	-8.44165	20.00000	Averaged	
51 trans-1,3-Dichloropropene	0.46200	0.42730	0.42730	0.010	7.51109	50.00000	Averaged	
52 Ethyl Methacrylate	0.40538	0.38137	0.38137	0.010	5.92215	50.00000	Averaged	
53 1,1,2-Trichloroethane	0.25368	0.28317	0.28317	0.010	-11.62190	50.00000	Averaged	
54 1,3-Dichloropropane	0.45833	0.53474	0.53474	0.010	-16.66917	50.00000	Averaged	
55 Tetrachloroethene	0.27812	0.27833	0.27833	0.010	-0.07759	50.00000	Averaged	
56 2-Hexanone	0.21343	0.25463	0.25463	0.010	-19.30375	50.00000	Averaged	
57 Dibromochloromethane	0.28426	0.19877	0.19877	0.010	30.07535	50.00000	Averaged	
58 1,2-Dibromoethane	0.27050	0.28872	0.28872	0.010	-6.73582	50.00000	Averaged	
59 Chlorobenzene	0.98697	1.01559	1.01559	0.300	-2.90010	50.00000	Averaged	
60 1,1,1,2-Tetrachloroethane	0.33226	0.24849	0.24849	0.010	25.21249	50.00000	Averaged	
61 Ethylbenzene	0.54680	0.54699	0.54699	0.010	-0.03431	20.00000	Averaged	
62 m + p-Xylene	0.69825	0.69907	0.69907	0.010	-0.11705	50.00000	Averaged	
M 63 Xylenes (total)	0.69045	0.69926	0.69926	0.010	-1.27587	50.00000	Averaged	
64 Xylene-o	0.67487	0.69966	0.69966	0.010	-3.67378	50.00000	Averaged	
65 Styrene	1.18502	1.22996	1.22996	0.010	-3.79203	50.00000	Averaged	
66 Bromoform	0.18478	0.11070	0.11070	0.100	40.08896	50.00000	Averaged	
67 Isopropylbenzene	1.62828	1.66474	1.66474	0.010	-2.23889	50.00000	Averaged	
68 1,1,2,2-Tetrachloroethane	0.56255	0.64575	0.64575	0.300	-14.79087	50.00000	Averaged	
69 1,4-Dichloro-2-butene	0.18570	0.17054	0.17054	0.010	8.16585	50.00000	Averaged	
70 1,2,3-Trichloropropane	0.19384	0.22363	0.22363	0.010	-15.36359	50.00000	Averaged	
71 Bromobenzene	0.76413	0.80609	0.80609	0.010	-5.49131	50.00000	Averaged	
72 n-Propylbenzene	0.83378	0.82251	0.82251	0.010	1.35191	50.00000	Averaged	
73 2-Chlorotoluene	0.71825	0.73731	0.73731	0.010	-2.65454	50.00000	Averaged	
74 1,3,5-Trimethylbenzene	2.46303	2.49681	2.49681	0.010	-1.37149	50.00000	Averaged	
75 4-Chlorotoluene	0.74230	0.77661	0.77661	0.010	-4.62235	50.00000	Averaged	
76 tert-Butylbenzene	2.18135	2.13018	2.13018	0.010	2.34593	50.00000	Averaged	
77 1,2,4-Trimethylbenzene	2.57090	2.58776	2.58776	0.010	-0.65567	50.00000	Averaged	
78 sec-Butylbenzene	2.99817	2.94815	2.94815	0.010	1.66842	50.00000	Averaged	
79 4-Isopropyltoluene	2.55800	2.45104	2.45104	0.010	4.18140	50.00000	Averaged	
80 1,3-Dichlorobenzene	1.47370	1.48283	1.48283	0.010	-0.61972	50.00000	Averaged	
81 1,4-Dichlorobenzene	1.50248	1.53387	1.53387	0.010	-2.08963	50.00000	Averaged	
82 n-Butylbenzene	2.18867	2.17633	2.17633	0.010	0.56352	50.00000	Averaged	
83 1,2-Dichlorobenzene	1.36967	1.42623	1.42623	0.010	-4.12995	50.00000	Averaged	
84 1,2-Dibromo-3-chloropropane	0.11008	0.08910	0.08910	0.010	19.06296	50.00000	Averaged	
85 1,2,4-Trichlorobenzene	0.52483	0.80300	0.80300	0.010	-53.00188	50.00000	Averaged	<-
86 Hexachlorobutadiene	0.31650	0.31909	0.31909	0.010	-0.82009	50.00000	Averaged	
87 Naphthalene	0.70848	1.81000	1.81000	0.010	-155	50.00000	Averaged	<-
88 1,2,3-Trichlorobenzene	0.09237	0.51214	0.51214	0.010	-454	50.00000	Averaged	<-
98 Cyclohexane	0.53350	0.49235	0.49235	0.010	7.71312	50.00000	Averaged	
143 Methyl Acetate	0.17689	0.21341	0.21341	0.010	-20.64481	50.00000	Averaged	

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5387.D
Report Date: 11-Jul-2005 13:16

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 11-JUL-2005 13:01
Lab File ID: UXJ5387.D Init. Cal. Date(s): 13-JUN-2005 22-JUN-2005
Analysis Type: WATER Init. Cal. Times: 23:19 15:15
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.49839	0.40115	0.40115	0.010	19.51104	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.96113	0.93318	0.93318	0.010	2.90876	50.00000	Averaged

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5387.D
Report Date: 11-Jul-2005 13:16

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5387.D
Lab Smp Id: 50NG-CC
Inj Date : 11-JUL-2005 13:01
Operator : 43582 Inst ID: a3ux11.i
Smp Info : 50NG-CC
Misc Info : J50711A,8260LLUX11,2-8260.SUB,43582,2
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
*	1 Fluorobenzene	96	4.984	4.984	(1.000)	1766939	50.0000	
*	2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1639820	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.859	9.859	(1.000)	976434	50.0000	
$	4 Dibromofluoromethane	113	4.428	4.428	(0.888)	399749	50.0000	47.833
$	5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.945)	571286	50.0000	51.486
$	6 Toluene-d8	98	6.333	6.333	(0.830)	1814975	50.0000	50.322
$	7 Bromofluorobenzene	95	8.735	8.735	(1.144)	862069	50.0000	48.667
	8 Dichlorodifluoromethane	85	1.505	1.505	(0.302)	376414	50.0000	31.823
	9 Chloromethane	50	1.624	1.624	(0.326)	507494	50.0000	46.858
	10 Vinyl Chloride	62	1.718	1.718	(0.345)	589899	50.0000	51.269
	11 Bromomethane	94	1.979	1.979	(0.397)	245316	50.0000	55.445
	12 Chloroethane	64	2.062	2.062	(0.414)	329703	50.0000	59.133
	13 Trichlorofluoromethane	101	2.263	2.263	(0.454)	373010	50.0000	40.032
	15 Acrolein	56	2.570	2.570	(0.516)	563351	500.000	595.49
	16 Acetone	43	2.689	2.689	(0.539)	395472	100.000	158.87
	17 1,1-Dichloroethene	96	2.677	2.677	(0.537)	456882	50.0000	48.328
	18 Freon-113	151	2.677	2.677	(0.537)	331541	50.0000	40.411
	19 Iodomethane	142	2.795	2.795	(0.561)	673823	50.0000	47.795
	20 Carbon Disulfide	76	2.866	2.866	(0.575)	1414494	50.0000	47.828

21 Methylene Chloride	84	3.044	3.044 (0.611)	529258	50.0000	41.314
22 Acetonitrile	41	2.902	2.902 (0.582)	571782	500.000	579.55
23 Acrylonitrile	53	3.221	3.221 (0.646)	1755053	500.000	651.67

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5387.D
Report Date: 11-Jul-2005 13:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	24 Methyl tert-butyl ether	73	3.257	3.257	(0.653)	1245169	50.0000	51.629
	25 trans-1,2-Dichloroethene	96	3.269	3.269	(0.656)	466050	50.0000	50.975
	26 Hexane	86	3.493	3.493	(0.701)	98068	50.0000	35.762
	27 Vinyl acetate	43	3.612	3.612	(0.725)	792120	50.0000	52.341
	28 1,1-Dichloroethane	63	3.588	3.588	(0.720)	844927	50.0000	53.218
	29 tert-Butyl Alcohol	59	3.115	3.115	(0.625)	434911	1000.00	707.51
	30 2-Butanone	43	4.050	4.050	(0.812)	495587	100.000	140.00
M	31 1,2-Dichloroethene (total)	96				963194	100.000	101.55
	32 cis-1,2-dichloroethene	96	4.050	4.050	(0.812)	497144	50.0000	50.578
	33 2,2-Dichloropropane	77	4.061	4.061	(0.815)	469936	50.0000	45.688
	34 Bromochloromethane	128	4.251	4.251	(0.853)	229476	50.0000	48.943
	35 Chloroform	83	4.298	4.298	(0.862)	823032	50.0000	54.133
	36 Tetrahydrofuran	42	4.286	4.286	(0.860)	143912	50.0000	59.040
	37 1,1,1-Trichloroethane	97	4.476	4.476	(0.898)	563830	50.0000	45.819
	38 1,1-Dichloropropene	75	4.606	4.606	(0.924)	645130	50.0000	50.202
	39 Carbon Tetrachloride	117	4.617	4.617	(0.926)	327026	50.0000	29.698
	40 1,2-Dichloroethane	62	4.771	4.771	(0.957)	716791	50.0000	59.239
	41 Benzene	78	4.771	4.771	(0.957)	2006555	50.0000	47.884
	42 Trichloroethene	130	5.304	5.304	(1.064)	499858	50.0000	47.849
	43 1,2-Dichloropropane	63	5.481	5.481	(1.100)	502346	50.0000	51.306
	44 1,4-Dioxane	88	5.588	5.588	(1.121)	188837	2500.00	2559.7(A)
	45 Dibromomethane	93	5.576	5.576	(1.119)	278349	50.0000	52.465
	46 Bromodichloromethane	83	5.706	5.706	(1.145)	510218	50.0000	42.379
	47 2-Chloroethyl vinyl ether	63	5.943	5.943	(1.192)	652808	100.000	109.19
	48 cis-1,3-Dichloropropene	75	6.085	6.085	(1.221)	740854	50.0000	44.015
	49 4-Methyl-2-pentanone	43	6.203	6.203	(1.244)	1010462	100.000	107.43
	50 Toluene	91	6.392	6.392	(0.837)	2332923	50.0000	54.221
	51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	700691	50.0000	46.244
	52 Ethyl Methacrylate	69	6.641	6.641	(0.870)	625383	50.0000	47.039
	53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	464340	50.0000	55.811
	54 1,3-Dichloropropane	76	6.878	6.878	(0.901)	876870	50.0000	58.334
	55 Tetrachloroethene	164	6.889	6.889	(0.902)	456413	50.0000	50.039
	56 2-Hexanone	43	6.949	6.949	(0.910)	835111	100.000	119.30
	57 Dibromochloromethane	129	7.091	7.091	(0.929)	325940	50.0000	34.962
	58 1,2-Dibromoethane	107	7.197	7.197	(0.943)	473445	50.0000	53.368
	59 Chlorobenzene	112	7.659	7.659	(1.003)	1665391	50.0000	51.450
	60 1,1,1,2-Tetrachloroethane	131	7.730	7.730	(1.012)	407472	50.0000	37.394
	61 Ethylbenzene	106	7.753	7.753	(1.015)	896959	50.0000	50.017
	62 m + p-Xylene	106	7.860	7.860	(1.029)	2292683	100.000	100.12
M	63 Xylenes (total)	106				3440002	150.000	151.95
	64 Xylene-o	106	8.238	8.238	(1.079)	1147319	50.0000	51.837
	65 Styrene	104	8.250	8.250	(1.081)	2016914	50.0000	51.896
	66 Bromoform	173	8.428	8.428	(1.104)	181536	50.0000	29.956
	67 Isopropylbenzene	105	8.582	8.582	(1.124)	2729874	50.0000	51.119
	68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	630535	50.0000	57.395
	69 1,4-Dichloro-2-butene	53	8.913	8.913	(0.904)	166521	50.0000	45.917
	70 1,2,3-Trichloropropane	110	8.901	8.901	(0.903)	218356	50.0000	57.682
	71 Bromobenzene	156	8.889	8.889	(0.902)	787093	50.0000	52.746
	72 n-Propylbenzene	120	8.984	8.984	(0.911)	803127	50.0000	49.324
	73 2-Chlorotoluene	126	9.067	9.067	(0.920)	719938	50.0000	51.327
	74 1,3,5-Trimethylbenzene	105	9.150	9.150	(0.928)	2437966	50.0000	50.686
	75 4-Chlorotoluene	126	9.173	9.173	(0.930)	758307	50.0000	52.311

76 tert-Butylbenzene	119	9.469	9.469 (0.960)	2079979	50.0000	48.827
77 1,2,4-Trimethylbenzene	105	9.516	9.516 (0.965)	2526775	50.0000	50.328

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5387.D
Report Date: 11-Jul-2005 13:16

						AMOUNTS	
	QUANT SIG					CAL-AMT	ON-COL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
78 sec-Butylbenzene	105	9.682	9.682	(0.982)	2878670	50.0000	49.166
79 4-Isopropyltoluene	119	9.824	9.824	(0.996)	2393282	50.0000	47.909
80 1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	1447888	50.0000	50.310
81 1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1497725	50.0000	51.045
82 n-Butylbenzene	91	10.226	10.226	(1.037)	2125046	50.0000	49.718
83 1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1392623	50.0000	52.065
84 1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	86999	50.0000	40.468
85 1,2,4-Trichlorobenzene	180	11.847	11.847	(1.202)	784075	50.0000	76.501
86 Hexachlorobutadiene	225	12.013	12.013	(1.218)	311574	50.0000	50.410
87 Naphthalene	128	12.084	12.084	(1.226)	1767344	50.0000	127.74
88 1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	500071	50.0000	277.23(A)
98 Cyclohexane	56	4.535	4.535	(0.910)	869953	50.0000	46.143
143 Methyl Acetate	43	2.949	2.949	(0.592)	754175	100.000	120.64(A)
144 Methylcyclohexane	83	5.469	5.469	(1.097)	708807	50.0000	40.244(A)
141 1,3,5-Trichlorobenzene	180	11.232	11.232	(1.139)	911185	50.0000	48.546(A)

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UX35387.D
Date : 11-JUL-2005 13:01
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Iodomethane
-Carbon Disulfide+
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
Acetone+
-Hexane
-Vinyl acetate+
Acrylonitrile+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane
2-Butanone+
-1,2-Dichloroethane-d4
Cyclohexane
1,1-Dichloropropene+
1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,4-Dioxane+
-Bromodichloromethane
1,2-Dichloropropane+
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene-d8
-Ethyl Methacrylate
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
-1,2-Dibromoethane
1,3-Dichloropropane+
Chlorobenzene-d5+
1,1,1,2-Tetrachloroethane+
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane+
n-Propylbenzene
2-Chlorotoluene
-1,2-Dichloroethene (total
1,3,5-Trimethylbenzene+
1,2,4-Trimethylbenzene
tert-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4+
n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
1,3,5-Trichlorobenzene
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UX35387.D

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Start Cal Date: 15-JUN-2005 17:06
End Cal Date : 07-JUL-2005 09:45
Last Cal Level: 1
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
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15-JUN-2005 22:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0013.D
07-JUL-2005 09:45	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0546.D
Cal Level: 2 , Cal Amount: 10.00000		
15-JUN-2005 22:09	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0012.D
07-JUL-2005 09:22	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0545.D
Cal Level: 3 , Cal Amount: 25.00000		
15-JUN-2005 21:46	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0011.D
07-JUL-2005 08:59	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0544.D
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07-JUL-2005 08:35	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0543.D
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07-JUL-2005 08:12	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0542.D
Cal Level: 6 , Cal Amount: 200.00000		
15-JUN-2005 20:36	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0008.D
07-JUL-2005 07:49	2-8260	

| \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0541.D |

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

07-JUL-2005 08:35	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0543.D
07-JUL-2005 07:26	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0540.D

Report Date : 07-Jul-2005 10:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 15-JUN-2005 17:06
End Cal Date : 07-JUL-2005 09:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Last Edit : 07-Jul-2005 10:07 roachc
Curve Type : Average

Calibration File Names:
Level 1: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0013.D
Level 2: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0012.D
Level 3: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0011.D
Level 4: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0010.D
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Level 6: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0008.D

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD
8	Dichlorodifluoromethane	0.06362	0.07312	0.07708	0.08781	0.09800	0.09895	0.08310	17.113
9	Chloromethane	0.20094	0.17727	0.14793	0.16319	0.15813	0.14220	0.16494	13.015
10	Vinyl Chloride	0.17676	0.16387	0.14977	0.16140	0.16520	0.15386	0.16181	5.847
11	Bromomethane	0.06486	0.05046	0.03602	0.04196	0.03348	0.02669	0.04225	32.395
12	Chloroethane	0.08974	0.07785	0.05730	0.06780	0.06803	0.05553	0.06937	18.554
13	Trichlorofluoromethane	0.17068	0.16651	0.14166	0.16845	0.18580	0.16975	0.16714	8.542
14	Dichlorofluoromethane	0.15238	0.12119	0.15755	0.14159	0.11229	0.15137	0.13939	13.277
15	Acrolein	0.03270	0.03020	0.02999	0.02860	0.03077	0.02918	0.03024	4.721
16	Acetone	0.14092	0.14489	0.12191	0.12396	0.11581	0.10247	0.12499	12.659
17	1,1-Dichloroethene	0.19851	0.20844	0.17128	0.20713	0.19612	0.18558	0.19451	7.239
18	Freon-113	0.11905	0.13354	0.10101	0.12945	0.11632	0.11082	0.11836	10.108
19	Iodomethane	0.34722	0.34684	0.30418	0.37264	0.33977	0.33975	0.34173	6.450
20	Carbon Disulfide	0.71033	0.71982	0.64146	0.78683	0.75431	0.75101	0.72729	6.888
21	Methylene Chloride	0.60689	0.40939	0.27857	0.28652	0.25922	0.24948	0.34835	39.981
22	Acetonitrile	0.02979	0.02625	0.02569	0.02236	0.02434	0.02492	0.02556	9.674
23	Acrylonitrile	0.09041	0.08962	0.09023	0.08313	0.09020	0.08674	0.08839	3.303
24	Methyl tert-butyl ether	0.64268	0.66381	0.59084	0.67721	0.64785	0.65906	0.64691	4.644
25	trans-1,2-Dichloroethene	0.25413	0.27115	0.22575	0.26705	0.25339	0.24676	0.25304	6.396
26	Hexane	0.04965	0.06093	0.05036	0.05869	0.05904	0.05787	0.05609	8.597
27	Vinyl acetate	0.30929	0.31538	0.36765	0.34259	0.37805	0.38337	0.34939	9.158
28	1,1-Dichloroethane	0.47468	0.49576	0.41188	0.48280	0.45346	0.45291	0.46192	6.422
29	tert-Butyl Alcohol	0.01583	0.01557	0.01550	0.01595	0.01489	0.01552	0.01554	2.378
30	2-Butanone	0.11175	0.13053	0.14335	0.14378	0.13467	0.13101	0.13251	8.841
M 31	1,2-Dichloroethene (total)	0.25993	0.27135	0.23128	0.26874	0.25504	0.25061	0.25616	5.669
32	cis-1,2-dichloroethene	0.26574	0.27155	0.23680	0.27043	0.25669	0.25446	0.25928	5.034
33	2,2-Dichloropropane	0.29434	0.29786	0.25488	0.31062	0.30196	0.30360	0.29388	6.767
34	Bromochloromethane	0.12648	0.12706	0.11062	0.12893	0.12453	0.12323	0.12348	5.348
35	Chloroform	0.41251	0.42257	0.36917	0.42561	0.40157	0.40469	0.40602	5.022

Report Date : 07-Jul-2005 10:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 15-JUN-2005 17:06
End Cal Date : 07-JUL-2005 09:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Last Edit : 07-Jul-2005 10:07 roachc
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
	36 Tetrahydrofuran	0.06469	0.06842	0.06814	0.07030	0.06401	0.06781	0.06723	3.570	
	37 1,1,1-Trichloroethane	0.32129	0.34937	0.30508	0.35677	0.34452	0.34410	0.33686	5.812	
	38 1,1-Dichloropropene	0.28504	0.31346	0.28959	0.33380	0.31757	0.31680	0.30938	5.994	
	39 Carbon Tetrachloride	0.26417	0.27276	0.23945	0.30031	0.28448	0.29265	0.27564	7.990	
	40 1,2-Dichloroethane	0.30376	0.31362	0.29688	0.33462	0.30692	0.31859	0.31240	4.245	
	41 Benzene	0.94387	0.96869	0.87636	0.98250	0.91165	0.92622	0.93488	4.151	
	42 Trichloroethene	0.23469	0.23926	0.23485	0.26036	0.24476	0.24943	0.24389	4.061	
	43 1,2-Dichloropropane	0.20446	0.21245	0.21272	0.23563	0.21767	0.22744	0.21840	5.184	
	44 1,4-Dioxane	0.00139	0.00145	0.00171	0.00178	0.00158	0.00159	0.00158	9.493	<-
	45 Dibromomethane	0.10517	0.11196	0.11077	0.12652	0.11338	0.11896	0.11446	6.457	
	46 Bromodichloromethane	0.21712	0.23738	0.24266	0.27306	0.25295	0.27338	0.24942	8.746	
	47 2-Chloroethyl vinyl ether	0.06465	0.07455	0.10637	0.09379	0.09114	0.10039	0.08848	17.934	
	48 cis-1,3-Dichloropropene	0.21783	0.24191	0.29323	0.32711	0.28154	0.32021	0.28030	15.410	
	49 4-Methyl-2-pentanone	0.15273	0.17272	0.20610	0.20675	0.20748	0.20327	0.19151	12.123	
	50 Toluene	1.24063	1.34153	1.28839	1.43955	1.33063	1.40708	1.34130	5.482	
	51 trans-1,3-Dichloropropene	0.26553	0.30934	0.37402	0.41555	0.37261	0.42869	0.36096	17.365	
	52 Ethyl Methacrylate	0.22109	0.26748	0.31372	0.35284	0.32742	0.35956	0.30702	17.399	
	53 1,1,2-Trichloroethane	0.21972	0.24019	0.24261	0.26368	0.23248	0.24838	0.24118	6.143	
	54 1,3-Dichloropropane	0.37612	0.40938	0.43623	0.46257	0.40879	0.44216	0.42254	7.250	
	55 Tetrachloroethene	0.24347	0.26763	0.25838	0.29268	0.27203	0.27935	0.26892	6.318	
	56 2-Hexanone	0.15947	0.21925	0.25514	0.26256	0.25876	0.24227	0.23291	16.859	
	57 Dibromochloromethane	0.20580	0.22926	0.25045	0.28308	0.26703	0.29113	0.25446	12.844	
	58 1,2-Dibromoethane	0.20916	0.23165	0.24452	0.25946	0.23017	0.24989	0.23748	7.476	
	59 Chlorobenzene	0.82697	0.91146	0.86421	0.94693	0.86594	0.91474	0.88838	4.910	
	60 1,1,1,2-Tetrachloroethane	0.26849	0.28080	0.28754	0.33127	0.31257	0.32611	0.30113	8.566	
	61 Ethylbenzene	0.43721	0.46888	0.46188	0.50859	0.47693	0.48705	0.47342	5.087	
	62 m + p-Xylene	0.53544	0.59684	0.56660	0.63643	0.59668	0.60651	0.58975	5.895	
M	63 Xylenes (total)	0.53091	0.59532	0.56003	0.63226	0.59591	0.60051	0.58582	6.032	
	64 Xylene-o	0.52185	0.59227	0.54688	0.62391	0.59435	0.58849	0.57796	6.385	
	65 Styrene	0.73667	0.84201	0.85805	0.98856	0.92982	0.96530	0.88674	10.548	
	66 Bromoform	0.12279	0.13350	0.15144	0.17057	0.16755	0.18351	0.15489	15.072	
	67 Isopropylbenzene	1.20927	1.40127	1.27125	1.49461	1.42420	1.42670	1.37121	7.870	
	68 1,1,2,2-Tetrachloroethane	0.50369	0.53856	0.56954	0.60766	0.55203	0.58744	0.55982	6.592	
	69 1,4-Dichloro-2-butene	0.10748	0.11416	0.15178	0.17242	0.16176	0.19191	0.14992	22.109	
	70 1,2,3-Trichloropropane	0.15932	0.19437	0.19481	0.20163	0.17687	0.19202	0.18650	8.381	
	71 Bromobenzene	0.60158	0.66445	0.67474	0.73960	0.65558	0.71547	0.67524	7.161	

Report Date : 07-Jul-2005 10:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 15-JUN-2005 17:06
End Cal Date : 07-JUL-2005 09:45
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Last Edit : 07-Jul-2005 10:07 roachc
Curve Type : Average

	Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	___ RRF	% RSD	
72	n-Propylbenzene	0.59389	0.68926	0.71799	0.80371	0.73498	0.78641	0.72104	10.469	
73	2-Chlorotoluene	0.56847	0.64123	0.63434	0.70679	0.64481	0.68463	0.64671	7.369	
74	1,3,5-Trimethylbenzene	1.68118	2.00131	2.09656	2.36953	2.15428	2.28665	2.09825	11.587	
75	4-Chlorotoluene	0.57531	0.63709	0.67248	0.72010	0.63702	0.68158	0.65393	7.565	
76	tert-Butylbenzene	1.34957	1.66287	1.82145	2.05826	1.89809	2.02578	1.80267	14.664	
77	1,2,4-Trimethylbenzene	1.73308	2.07035	2.12572	2.38946	2.18599	2.34991	2.14242	11.026	
78	sec-Butylbenzene	2.09934	2.51056	2.56309	2.95775	2.70744	2.88727	2.62091	11.815	
79	4-Isopropyltoluene	1.75531	2.23436	2.17616	2.50996	2.31793	2.48396	2.24628	12.229	
80	1,3-Dichlorobenzene	1.18541	1.31953	1.24431	1.37128	1.25452	1.33842	1.28558	5.388	
81	1,4-Dichlorobenzene	1.26250	1.36578	1.26393	1.40635	1.30535	1.35872	1.32710	4.447	
82	n-Butylbenzene	1.60898	1.92121	1.84528	2.17776	2.06129	2.16301	1.96292	11.085	
83	1,2-Dichlorobenzene	1.15052	1.26174	1.16766	1.30261	1.20006	1.23868	1.22021	4.762	
84	1,2-Dibromo-3-chloropropane	0.08833	0.09395	0.10309	0.11253	0.11400	0.13012	0.10700	14.164	
85	1,2,4-Trichlorobenzene	0.83626	0.93030	0.84109	1.00718	0.97977	1.01515	0.93496	8.587	
86	Hexachlorobutadiene	0.32076	0.37204	0.32797	0.38339	0.36906	0.37349	0.35779	7.386	
87	Naphthalene	1.54290	1.87627	1.92974	2.25622	2.24031	2.39632	2.04029	15.498	
88	1,2,3-Trichlorobenzene	0.77162	0.89147	0.82162	0.93604	0.89305	0.92750	0.87355	7.349	
89	Ethyl Ether	0.18096	0.17380	0.17825	0.18203	0.18047	0.17892	0.17907	1.632	
90	Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
91	3-Chloropropene	0.10404	0.10394	0.10813	0.10954	0.11192	0.11184	0.10824	3.314	
92	Isopropyl Ether	0.18568	0.19453	0.19281	0.19641	0.19651	0.19283	0.19313	2.069	
93	2-Chloro-1,3-butadiene	0.35015	0.36817	0.37027	0.36715	0.37279	0.36408	0.36543	2.201	
94	Propionitrile	0.01696	0.02066	0.02099	0.02319	0.02823	0.02646	0.02275	18.129	
95	Ethyl Acetate	0.22025	0.21299	0.20842	0.20449	0.22262	0.21056	0.21322	3.278	
96	Methacrylonitrile	0.14402	0.14072	0.13931	0.13804	0.15111	0.14126	0.14241	3.311	
97	Isobutanol	0.00666	0.00753	0.00682	0.00670	0.00727	0.00647	0.00691	5.872	<-
98	Cyclohexane	0.46684	0.51096	0.43137	0.53422	0.51778	0.51204	0.49553	7.786	
99	n-Butanol	0.00227	0.00455	0.00436	0.00478	0.00508	0.00424	0.00421	23.728	<-
100	Methyl Methacrylate	0.18461	0.19119	0.18749	0.19137	0.21388	0.20192	0.19508	5.598	
101	2-Nitropropane	0.03369	0.03421	0.03566	0.03794	0.04517	0.04518	0.03864	13.640	
102	Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103	Cyclohexanone	0.00957	0.01273	0.01014	0.01107	0.01147	0.01019	0.01086	10.519	<-
104	Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105	Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
134	Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135	Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Report Date : 07-Jul-2005 10:17

STL North Canton

INITIAL CALIBRATION DATA

Start Cal Date : 15-JUN-2005 17:06
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Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : HP RTE
Method file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Last Edit : 07-Jul-2005 10:07 roachc
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	25.000 Level 3	50.000 Level 4	100.000 Level 5	200.000 Level 6	RRF	% RSD	
136 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
M 137 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 1,3,5-Trichlorobenzene	0.92726	1.03817	0.89547	1.07246	1.02929	1.08130	1.00733	7.699	
143 Methyl Acetate	0.20388	0.20661	0.19525	0.19265	0.19189	0.18921	0.19658	3.579	
144 Methylcyclohexane	0.41212	0.44826	0.38648	0.47156	0.46186	0.45667	0.43949	7.519	
145 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 2-Methylnaphthalene	0.79675	0.94646	0.95916	0.93286	1.04116	1.04838	0.95413	9.579	
147 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
148 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 4 Dibromofluoromethane	0.20085	0.20399	0.18812	0.18553	0.20428	0.19397	0.19612	4.152	
$ 5 1,2-Dichloroethane-d4	0.23054	0.23857	0.23443	0.22535	0.23889	0.23324	0.23350	2.191	
$ 6 Toluene-d8	1.03437	1.08008	1.12231	1.05432	1.12630	1.13647	1.09231	3.874	
$ 7 Bromofluorobenzene	0.38239	0.40902	0.39149	0.36953	0.40134	0.38196	0.38929	3.689	

port Date : 07-Jul-2005 10:36

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 15-JUN-2005 17:06
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ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
st Edit : 07-Jul-2005 10:27 roachc

libration File Names:
vel 1: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0013.D
vel 2: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0012.D
vel 3: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0011.D
vel 4: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0010.D
vel 5: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0009.D
vel 6: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0008.D

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
8 Dichlorodifluoromethane	6429	14650	46449	98537	212967	460291	WLINR	0.05089	0.09881		0.99756
9 Chloromethane	0.20094	0.17727	0.14793	0.16319	0.15813	0.14220	AVRG		0.16494		13.01474
10 Vinyl Chloride	0.17676	0.16387	0.14977	0.16140	0.16520	0.15386	AVRG		0.16181		5.84667
11 Bromomethane	6555	10110	21709	47085	72746	124183	QUAD	0.02431	17.28159	179	0.99255
12 Chloroethane	9069	15598	34529	76084	147828	258306	QUAD	0.07069	10.50197	31.85129	0.99728
13 Trichlorofluoromethane	0.17068	0.16651	0.14166	0.16845	0.18580	0.16975	AVRG		0.16714		8.54183
14 Dichlorofluoromethane	0.15238	0.12119	0.15755	0.14159	0.11229	0.15137	AVRG		0.13939		13.27716
15 Acrolein	0.03270	0.03020	0.02999	0.02860	0.03077	0.02918	AVRG		0.03024		4.72120
16 Acetone	0.14092	0.14489	0.12191	0.12396	0.11581	0.10247	AVRG		0.12499		12.65872
17 1,1-Dichloroethene	0.19851	0.20844	0.17128	0.20713	0.19612	0.18558	AVRG		0.19451		7.23851
18 Freon-113	0.11905	0.13354	0.10101	0.12945	0.11632	0.11082	AVRG		0.11836		10.10843
19 Iodomethane	0.34722	0.34684	0.30418	0.37264	0.33977	0.33975	AVRG		0.34173		6.45034
20 Carbon Disulfide	0.71033	0.71982	0.64146	0.78683	0.75431	0.75101	AVRG		0.72729		6.88810
21 Methylene Chloride	61332	82028	167877	321512	563287	1160563	WLINR	-0.14202	0.24127		0.99806

port Date : 07-Jul-2005 10:36

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 15-JUN-2005 17:06
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ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
st Edit : 07-Jul-2005 10:27 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
22 Acetonitrile	0.02979	0.02625	0.02569	0.02236	0.02434	0.02492	AVRG		0.02556		9.67415
23 Acrylonitrile	0.09041	0.08962	0.09023	0.08313	0.09020	0.08674	AVRG		0.08839		3.30271
24 Methyl tert-butyl ether	0.64268	0.66381	0.59084	0.67721	0.64785	0.65906	AVRG		0.64691		4.64448
25 trans-1,2-Dichloroethene	0.25413	0.27115	0.22575	0.26705	0.25339	0.24676	AVRG		0.25304		6.39560
26 Hexane	0.04965	0.06093	0.05036	0.05869	0.05904	0.05787	AVRG		0.05609		8.59650
27 Vinyl acetate	0.30929	0.31538	0.36765	0.34259	0.37805	0.38337	AVRG		0.34939		9.15841
28 1,1-Dichloroethane	0.47468	0.49576	0.41188	0.48280	0.45346	0.45291	AVRG		0.46192		6.42245
29 tert-Butyl Alcohol	0.01583	0.01557	0.01550	0.01595	0.01489	0.01552	AVRG		0.01554		2.37819
30 2-Butanone	0.11175	0.13053	0.14335	0.14378	0.13467	0.13101	AVRG		0.13251		8.84082
31 1,2-Dichloroethene (total)	0.25993	0.27135	0.23128	0.26874	0.25504	0.25061	AVRG		0.25616		5.66917
32 cis-1,2-dichloroethene	0.26574	0.27155	0.23680	0.27043	0.25669	0.25446	AVRG		0.25928		5.03441
33 2,2-Dichloropropane	0.29434	0.29786	0.25488	0.31062	0.30196	0.30360	AVRG		0.29388		6.76691
34 Bromochloromethane	0.12648	0.12706	0.11062	0.12893	0.12453	0.12323	AVRG		0.12348		5.34827
35 Chloroform	0.41251	0.42257	0.36917	0.42561	0.40157	0.40469	AVRG		0.40602		5.02234
36 Tetrahydrofuran	0.06469	0.06842	0.06814	0.07030	0.06401	0.06781	AVRG		0.06723		3.57042
37 1,1,1-Trichloroethane	0.32129	0.34937	0.30508	0.35677	0.34452	0.34410	AVRG		0.33686		5.81221
38 1,1-Dichloropropene	0.28504	0.31346	0.28959	0.33380	0.31757	0.31680	AVRG		0.30938		5.99384
39 Carbon Tetrachloride	0.26417	0.27276	0.23945	0.30031	0.28448	0.29265	AVRG		0.27564		7.98995
40 1,2-Dichloroethane	0.30376	0.31362	0.29688	0.33462	0.30692	0.31859	AVRG		0.31240		4.24464
41 Benzene	0.94387	0.96869	0.87636	0.98250	0.91165	0.92622	AVRG		0.93488		4.15126
42 Trichloroethene	0.23469	0.23926	0.23485	0.26036	0.24476	0.24943	AVRG		0.24389		4.06123
43 1,2-Dichloropropane	0.20446	0.21245	0.21272	0.23563	0.21767	0.22744	AVRG		0.21840		5.18444

port Date : 07-Jul-2005 10:36

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 15-JUN-2005 17:06
d Cal Date : 07-JUL-2005 09:45
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
st Edit : 07-Jul-2005 10:27 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
44 1,4-Dioxane	0.00139	0.00145	0.00171	0.00178	0.00158	0.00159	AVRG		0.00158		9.49337	<-
45 Dibromomethane	0.10517	0.11196	0.11077	0.12652	0.11338	0.11896	AVRG		0.11446		6.45680	
46 Bromodichloromethane	0.21712	0.23738	0.24266	0.27306	0.25295	0.27338	AVRG		0.24942		8.74566	
47 2-Chloroethyl vinyl ether	13067	29874	128200	210498	396101	934005	WLINR	0.07026	0.09939		0.99636	
48 cis-1,3-Dichloropropene	22014	48470	176708	367060	611789	1489584	WLINR	0.03604	0.31587		0.99584	
49 4-Methyl-2-pentanone	0.15273	0.17272	0.20610	0.20675	0.20748	0.20327	AVRG		0.19151		12.12283	
50 Toluene	1.24063	1.34153	1.28839	1.43955	1.33063	1.40708	AVRG		1.34130		5.48161	
51 trans-1,3-Dichloropropene	16426	38347	144789	300025	499976	1244600	WLINR	0.04475	0.41964		0.99613	
52 Ethyl Methacrylate	13677	33157	121444	254749	439339	1043896	WLINR	0.04396	0.35591		0.99816	
53 1,1,2-Trichloroethane	0.21972	0.24019	0.24261	0.26368	0.23248	0.24838	AVRG		0.24118		6.14309	
54 1,3-Dichloropropane	0.37612	0.40938	0.43623	0.46257	0.40879	0.44216	AVRG		0.42254		7.24955	
55 Tetrachloroethene	0.24347	0.26763	0.25838	0.29268	0.27203	0.27935	AVRG		0.26892		6.31846	
56 2-Hexanone	19730	54358	197536	379128	694419	1406719	WLINR	0.05297	0.25392		0.99749	
57 Dibromochloromethane	0.20580	0.22926	0.25045	0.28308	0.26703	0.29113	AVRG		0.25446		12.84427	
58 1,2-Dibromoethane	0.20916	0.23165	0.24452	0.25946	0.23017	0.24989	AVRG		0.23748		7.47606	
59 Chlorobenzene	0.82697	0.91146	0.86421	0.94693	0.86594	0.91474	AVRG		0.88838		4.91028	
60 1,1,1,2-Tetrachloroethane	0.26849	0.28080	0.28754	0.33127	0.31257	0.32611	AVRG		0.30113		8.56583	
61 Ethylbenzene	0.43721	0.46888	0.46188	0.50859	0.47693	0.48705	AVRG		0.47342		5.08746	
62 m + p-Xylene	0.53544	0.59684	0.56660	0.63643	0.59668	0.60651	AVRG		0.58975		5.89533	
63 Xylenes (total)	0.53091	0.59532	0.56003	0.63226	0.59591	0.60051	AVRG		0.58582		6.03249	
64 Xylene-o	0.52185	0.59227	0.54688	0.62391	0.59435	0.58849	AVRG		0.57796		6.38534	
65 Styrene	0.73667	0.84201	0.85805	0.98856	0.92982	0.96530	AVRG		0.88674		10.54772	

port Date : 07-Jul-2005 10:36

STL North Canton

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art Cal Date : 15-JUN-2005 17:06
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rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
st Edit : 07-Jul-2005 10:27 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Bromoform	7596	16549	58626	123151	224820	532780	WLINR	0.04486	0.18015		0.99787
67 Isopropylbenzene	1.20927	1.40127	1.27125	1.49461	1.42420	1.42670	AVRG		1.37121		7.87046
68 1,1,2,2-Tetrachloroethane	0.50369	0.53856	0.56954	0.60766	0.55203	0.58744	AVRG		0.55982		6.59243
69 1,4-Dichloro-2-butene	3912	8495	30744	66585	121486	289175	WLINR	0.06164	0.18568		0.99394
70 1,2,3-Trichloropropane	0.15932	0.19437	0.19481	0.20163	0.17687	0.19202	AVRG		0.18650		8.38080
71 Bromobenzene	0.60158	0.66445	0.67474	0.73960	0.65558	0.71547	AVRG		0.67524		7.16066
72 n-Propylbenzene	0.59389	0.68926	0.71799	0.80371	0.73498	0.78641	AVRG		0.72104		10.46885
73 2-Chlorotoluene	0.56847	0.64123	0.63434	0.70679	0.64481	0.68463	AVRG		0.64671		7.36898
74 1,3,5-Trimethylbenzene	1.68118	2.00131	2.09656	2.36953	2.15428	2.28665	AVRG		2.09825		11.58749
75 4-Chlorotoluene	0.57531	0.63709	0.67248	0.72010	0.63702	0.68158	AVRG		0.65393		7.56512
76 tert-Butylbenzene	1.34957	1.66287	1.82145	2.05826	1.89809	2.02578	AVRG		1.80267		14.66448
77 1,2,4-Trimethylbenzene	1.73308	2.07035	2.12572	2.38946	2.18599	2.34991	AVRG		2.14242		11.02607
78 sec-Butylbenzene	2.09934	2.51056	2.56309	2.95775	2.70744	2.88727	AVRG		2.62091		11.81507
79 4-Isopropyltoluene	1.75531	2.23436	2.17616	2.50996	2.31793	2.48396	AVRG		2.24628		12.22852
80 1,3-Dichlorobenzene	1.18541	1.31953	1.24431	1.37128	1.25452	1.33842	AVRG		1.28558		5.38818
81 1,4-Dichlorobenzene	1.26250	1.36578	1.26393	1.40635	1.30535	1.35872	AVRG		1.32710		4.44665
82 n-Butylbenzene	1.60898	1.92121	1.84528	2.17776	2.06129	2.16301	AVRG		1.96292		11.08488
83 1,2-Dichlorobenzene	1.15052	1.26174	1.16766	1.30261	1.20006	1.23868	AVRG		1.22021		4.76176
84 1,2-Dibromo-3-chloropropane	0.08833	0.09395	0.10309	0.11253	0.11400	0.13012	AVRG		0.10700		14.16389
85 1,2,4-Trichlorobenzene	0.83626	0.93030	0.84109	1.00718	0.97977	1.01515	AVRG		0.93496		8.58698
86 Hexachlorobutadiene	0.32076	0.37204	0.32797	0.38339	0.36906	0.37349	AVRG		0.35779		7.38646
87 Naphthalene	56158	139620	390874	871290	1682532	3610875	WLINR	0.04425	2.36772		0.99834

port Date : 07-Jul-2005 10:36

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 15-JUN-2005 17:06
d Cal Date : 07-JUL-2005 09:45
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
st Edit : 07-Jul-2005 10:27 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
88 1,2,3-Trichlorobenzene	0.77162	0.89147	0.82162	0.93604	0.89305	0.92750	AVRG		0.87355		7.34879	
89 Ethyl Ether	0.18096	0.17380	0.17825	0.18203	0.18047	0.17892	AVRG		0.17907		1.63212	
90 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
91 3-Chloropropene	0.10404	0.10394	0.10813	0.10954	0.11192	0.11184	AVRG		0.10824		3.31416	
92 Isopropyl Ether	0.18568	0.19453	0.19281	0.19641	0.19651	0.19283	AVRG		0.19313		2.06922	
93 2-Chloro-1,3-butadiene	0.35015	0.36817	0.37027	0.36715	0.37279	0.36408	AVRG		0.36543		2.20108	
94 Propionitrile	4267	10350	26455	57062	140114	269277	WLINR	0.10123	0.02702		0.99530	
95 Ethyl Acetate	0.22025	0.21299	0.20842	0.20449	0.22262	0.21056	AVRG		0.21322		3.27823	
96 Methacrylonitrile	0.14402	0.14072	0.13931	0.13804	0.15111	0.14126	AVRG		0.14241		3.31093	
97 Isobutanol	0.00666	0.00753	0.00682	0.00670	0.00727	0.00647	AVRG		0.00691		5.87223	<-
98 Cyclohexane	0.46684	0.51096	0.43137	0.53422	0.51778	0.51204	AVRG		0.49553		7.78552	
99 n-Butanol	3839	15320	37109	79367	168462	+++++	WLINR	0.98664	0.00515		0.99751	<-
00 Methyl Methacrylate	0.18461	0.19119	0.18749	0.19137	0.21388	0.20192	AVRG		0.19508		5.59796	
01 2-Nitropropane	0.03369	0.03421	0.03566	0.03794	0.04517	0.04518	AVRG		0.03864		13.63999	
02 Chloropicrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
03 Cyclohexanone	0.00957	0.01273	0.01014	0.01107	0.01147	0.01019	AVRG		0.01086		10.51889	<-
04 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
05 Benzyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
34 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
35 Crotononitrile(1st Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
36 Crotononitrile(2nd Isomer)	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
37 Total Crotononitrile	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

port Date : 07-Jul-2005 10:36

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 15-JUN-2005 17:06
d Cal Date : 07-JUL-2005 09:45
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
st Edit : 07-Jul-2005 10:27 roachc

Compound	5.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	100.0000 Level 5	200.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
.38 Paraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
.39 3,3,5-Trimethylcyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
.40 1-Chlorohexane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
.41 1,3,5-Trichlorobenzene	0.92726	1.03817	0.89547	1.07246	1.02929	1.08130	AVRG		1.00733		7.69857	
.43 Methyl Acetate	0.20388	0.20661	0.19525	0.19265	0.19189	0.18921	AVRG		0.19658		3.57868	
.44 Methylcyclohexane	0.41212	0.44826	0.38648	0.47156	0.46186	0.45667	AVRG		0.43949		7.51898	
.45 Dimethoxymethane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
.46 2-Methylnaphthalene	0.79675	0.94646	0.95916	0.93286	1.04116	1.04838	AVRG		0.95413		9.57859	
.47 Tetrahydrothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
.48 1,4-Dichlorobutane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
4 Dibromofluoromethane	0.20085	0.20399	0.18812	0.18553	0.20428	0.19397	AVRG		0.19612		4.15168	
5 1,2-Dichloroethane-d4	0.23054	0.23857	0.23443	0.22535	0.23889	0.23324	AVRG		0.23350		2.19142	
6 Toluene-d8	1.03437	1.08008	1.12231	1.05432	1.12630	1.13647	AVRG		1.09231		3.87429	
7 Bromofluorobenzene	0.38239	0.40902	0.39149	0.36953	0.40134	0.38196	AVRG		0.38929		3.68865	

port Date : 07-Jul-2005 10:36

STL North Canton

INITIAL CALIBRATION DATA

art Cal Date : 15-JUN-2005 17:06
l Cal Date : 07-JUL-2005 09:45
ant Method : ISTD
rget Version : 4.14
tegrator : HP RTE
thod file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
st Edit : 07-Jul-2005 10:27 roachc

rve	Formula	Units
eraged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
ad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0541.D
Report Date: 08-Jul-2005 12:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0541.D
Lab Smp Id: 200NG8260CAL
Inj Date : 07-JUL-2005 07:49
Operator : 1754 Inst ID: a3ux15.i
Smp Info : 200NG8260CAL
Misc Info : C50707IC,8260LLUX15,2-8260.SUB,1754,1,6
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Meth Date : 08-Jul-2005 12:37 a3ux15.i Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	4.715	4.715	(1.000)	1162980	50.0000	
*	2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	725816	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.565	9.565	(1.000)	376711	50.0000	
$	4 Dibromofluoromethane	113	4.146	4.146	(0.879)	902348	200.000	197.81
$	5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	1084997	200.000	199.77
$	6 Toluene-d8	98	6.055	6.055	(0.824)	3299473	200.000	208.08(A)
$	7 Bromofluorobenzene	95	8.451	8.451	(1.150)	1108935	200.000	196.24
	8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	460291	200.000	202.82(A)
	9 Chloromethane	50	1.312	1.312	(0.278)	661486	200.000	172.42
	10 Vinyl Chloride	62	1.395	1.395	(0.296)	715734	200.000	190.17
	11 Bromomethane	94	1.632	1.632	(0.346)	124183	200.000	199.87
	12 Chloroethane	64	1.715	1.715	(0.364)	258306	200.000	198.73
	13 Trichlorofluoromethane	101	1.893	1.893	(0.402)	789662	200.000	203.12(A)
	15 Acrolein	56	2.225	2.225	(0.472)	1357336	2000.00	1929.7
	16 Acetone	43	2.355	2.355	(0.500)	953398	400.000	327.93(A)
	17 1,1-Dichloroethene	96	2.308	2.308	(0.490)	863300	200.000	190.82
	18 Freon-113	151	2.344	2.344	(0.497)	515526	200.000	187.25
	19 Iodomethane	142	2.427	2.427	(0.515)	1580513	200.000	198.84
	20 Carbon Disulfide	76	2.486	2.486	(0.527)	3493657	200.000	206.52(A)
	21 Methylene Chloride	84	2.699	2.699	(0.573)	1160563	200.000	199.71
	22 Acetonitrile	41	2.569	2.569	(0.545)	1159412	2000.00	1950.2
	23 Acrylonitrile	53	2.901	2.901	(0.615)	4034877	2000.00	1962.6

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0541.D
Report Date: 08-Jul-2005 12:37

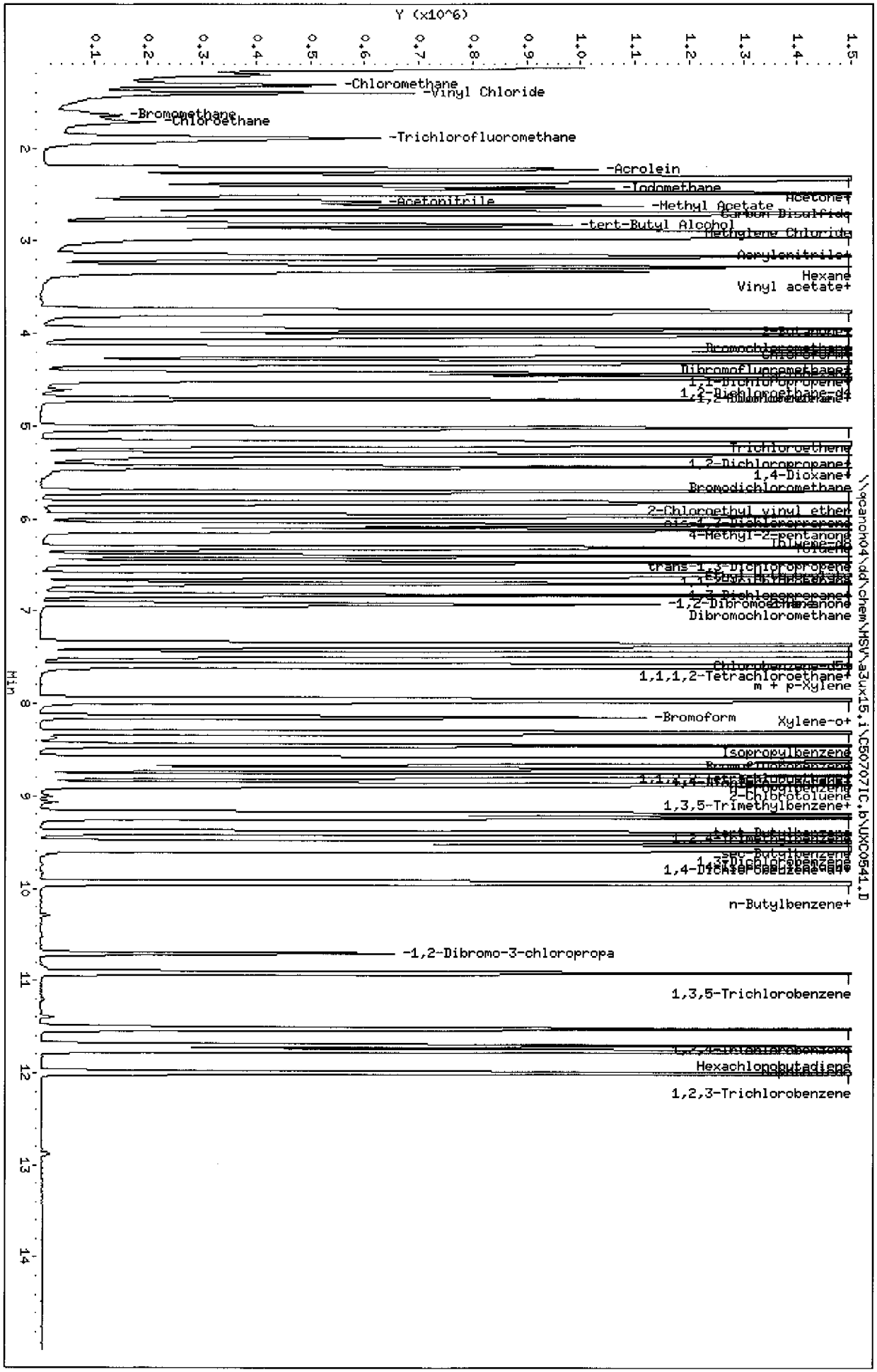
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	2.948	2.948	(0.625)	3065894	200.000	203.76 (A)
25 trans-1,2-Dichloroethene	96	2.937	2.937	(0.623)	1147931	200.000	195.04
26 Hexane	86	3.162	3.162	(0.671)	269220	200.000	206.35 (A)
27 Vinyl acetate	43	3.328	3.328	(0.706)	1783398	200.000	219.45 (A)
28 1,1-Dichloroethane	63	3.280	3.280	(0.696)	2106898	200.000	196.10
29 tert-Butyl Alcohol	59	2.830	2.830	(0.600)	1444072	4000.00	3994.2 (A)
30 2-Butanone	43	3.767	3.767	(0.799)	1218896	400.000	395.46 (A)
32 cis-1,2-dichloroethene	96	3.755	3.755	(0.796)	1183748	200.000	196.29
33 2,2-Dichloropropane	77	3.755	3.755	(0.796)	1412321	200.000	206.62 (A)
34 Bromochloromethane	128	3.956	3.956	(0.839)	573253	200.000	199.60
35 Chloroform	83	4.016	4.016	(0.852)	1882567	200.000	199.34
36 Tetrahydrofuran	42	4.004	4.004	(0.849)	315434	200.000	201.72 (A)
37 1,1,1-Trichloroethane	97	4.170	4.170	(0.884)	1600747	200.000	204.30 (A)
38 1,1-Dichloropropene	75	4.312	4.312	(0.915)	1473737	200.000	204.80 (A)
39 Carbon Tetrachloride	117	4.312	4.312	(0.915)	1361367	200.000	212.34 (A)
40 1,2-Dichloroethane	62	4.490	4.490	(0.952)	1482061	200.000	203.96 (A)
41 Benzene	78	4.478	4.478	(0.950)	4308717	200.000	198.15
42 Trichloroethene	130	5.024	5.024	(1.065)	1160331	200.000	204.54 (A)
43 1,2-Dichloropropane	63	5.202	5.202	(1.103)	1058042	200.000	208.28 (A)
44 1,4-Dioxane	88	5.332	5.332	(1.131)	368999	10000.0	10033 (A)
45 Dibromomethane	93	5.296	5.296	(1.123)	553377	200.000	207.86 (A)
46 Bromodichloromethane	83	5.439	5.439	(1.153)	1271734	200.000	219.21 (A)
47 2-Chloroethyl vinyl ether	63	5.700	5.700	(1.209)	934005	400.000	407.52 (A)
48 cis-1,3-Dichloropropene	75	5.830	5.830	(1.236)	1489584	200.000	204.54 (A)
49 4-Methyl-2-pentanone	43	5.960	5.960	(1.264)	1891185	400.000	424.56 (A)
50 Toluene	91	6.115	6.115	(0.832)	4085135	200.000	209.81 (A)
51 trans-1,3-Dichloropropene	75	6.304	6.304	(0.858)	1244600	200.000	206.55 (A)
52 Ethyl Methacrylate	69	6.399	6.399	(0.871)	1043896	200.000	204.25 (A)
53 1,1,2-Trichloroethane	97	6.470	6.470	(0.881)	721102	200.000	205.97 (A)
54 1,3-Dichloropropane	76	6.625	6.625	(0.902)	1283708	200.000	209.29 (A)
55 Tetrachloroethene	164	6.613	6.613	(0.900)	811025	200.000	207.75 (A)
56 2-Hexanone	43	6.696	6.696	(0.911)	1406719	400.000	384.28 (A)
57 Dibromochloromethane	129	6.826	6.826	(0.929)	845234	200.000	228.82 (A)
58 1,2-Dibromoethane	107	6.921	6.921	(0.942)	725505	200.000	210.46 (A)
59 Chlorobenzene	112	7.372	7.372	(1.003)	2655734	200.000	205.94 (A)
60 1,1,1,2-Tetrachloroethane	131	7.455	7.455	(1.015)	946780	200.000	216.59 (A)
61 Ethylbenzene	106	7.478	7.478	(1.018)	1414036	200.000	205.76 (A)
62 m + p-Xylene	106	7.585	7.585	(1.032)	3521728	400.000	411.37 (A)
64 Xylene-o	106	7.953	7.953	(1.082)	1708547	200.000	203.64 (A)
65 Styrene	104	7.976	7.976	(1.086)	2802534	200.000	217.72 (A)
66 Bromoform	173	8.142	8.142	(1.108)	532780	200.000	205.98 (A)
67 Isopropylbenzene	105	8.308	8.308	(1.131)	4142079	200.000	208.09 (A)
68 1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	885184	200.000	209.87 (A)
69 1,4-Dichloro-2-butene	53	8.640	8.640	(0.903)	289175	200.000	209.78 (A)
70 1,2,3-Trichloropropane	110	8.629	8.629	(0.902)	289344	200.000	205.91 (A)
71 Bromobenzene	156	8.593	8.593	(0.898)	1078101	200.000	211.92 (A)
72 n-Propylbenzene	120	8.700	8.700	(0.910)	1185003	200.000	218.13 (A)
73 2-Chlorotoluene	126	8.783	8.783	(0.918)	1031634	200.000	211.73 (A)
74 1,3,5-Trimethylbenzene	105	8.878	8.878	(0.928)	3445630	200.000	217.96 (A)
75 4-Chlorotoluene	126	8.878	8.878	(0.928)	1027033	200.000	208.46 (A)
76 tert-Butylbenzene	119	9.186	9.186	(0.960)	3052537	200.000	224.75 (A)
77 1,2,4-Trimethylbenzene	105	9.233	9.233	(0.965)	3540953	200.000	219.37 (A)
78 sec-Butylbenzene	105	9.399	9.399	(0.983)	4350670	200.000	220.33 (A)
79 4-Isopropyltoluene	119	9.542	9.542	(0.998)	3742946	200.000	221.16 (A)

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0541.D
Report Date: 08-Jul-2005 12:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	2016789	200.000	208.22 (A)
81	1,4-Dichlorobenzene	146	9.589	9.589	(1.002)	2047381	200.000	204.76 (A)
82	n-Butylbenzene	91	9.933	9.933	(1.038)	3259318	200.000	220.39 (A)
83	1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	1866500	200.000	203.03 (A)
84	1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	196076	200.000	243.21 (A)
85	1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	1529666	200.000	217.15 (A)
86	Hexachlorobutadiene	225	11.700	11.700	(1.223)	562790	200.000	208.78 (A)
87	Naphthalene	128	11.759	11.759	(1.229)	3610875	200.000	204.63 (A)
88	1,2,3-Trichlorobenzene	180	11.996	11.996	(1.254)	1397604	200.000	212.35 (A)
98	Cyclohexane	56	4.217	4.217	(0.894)	2381973	200.000	206.66 (A)
143	Methyl Acetate	43	2.628	2.628	(0.557)	1760368	400.000	385.00 (A)
144	Methylcyclohexane	83	5.178	5.178	(1.098)	2124372	200.000	207.82 (A)
141	1,3,5-Trichlorobenzene	180	10.917	10.917	(1.141)	1629348	200.000	214.69 (A)

QC Flag Legend

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C5070IC.b\UXC0541.D
Date : 07-JUL-2005 07:49
Client ID:
Sample Info: 200NG8260CAL
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux15.i
Operator: 1754
Column diameter: 0.18

\\qcanoh04\dd\chem\MSV\a3ux15.i\C5070IC.b\UXC0541.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0542.D
Report Date: 08-Jul-2005 12:37

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0542.D
Lab Smp Id: 100NG8260CAL
Inj Date : 07-JUL-2005 08:12
Operator : 1754 Inst ID: a3ux15.i
Smp Info : 100NG8260CAL
Misc Info : C50707IC,8260LLUX15,2-8260.SUB,1754,1,5
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Meth Date : 08-Jul-2005 12:37 a3ux15.i Quant Type: ISTD
Cal Date : 15-JUN-2005 20:36 Cal File: UXZ0008.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	4.715	4.715	(1.000)	1086517	50.0000	
*	2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	670910	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.566	9.566	(1.000)	375514	50.0000	
$	4 Dibromofluoromethane	113	4.158	4.158	(0.882)	443897	100.000	104.16
$	5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	519112	100.000	102.31
$	6 Toluene-d8	98	6.055	6.055	(0.824)	1511296	100.000	103.11
$	7 Bromofluorobenzene	95	8.451	8.451	(1.150)	538522	100.000	103.10
	8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	212967	100.000	101.73
	9 Chloromethane	50	1.312	1.312	(0.278)	343619	100.000	95.868
	10 Vinyl Chloride	62	1.395	1.395	(0.296)	358991	100.000	102.10
	11 Bromomethane	94	1.632	1.632	(0.346)	72746	100.000	99.618
	12 Chloroethane	64	1.715	1.715	(0.364)	147828	100.000	104.46
	13 Trichlorofluoromethane	101	1.893	1.893	(0.402)	403758	100.000	111.17
	15 Acrolein	56	2.225	2.225	(0.472)	668600	1000.00	1017.4
	16 Acetone	43	2.356	2.356	(0.500)	503298	200.000	185.30
	17 1,1-Dichloroethene	96	2.308	2.308	(0.490)	426165	100.000	100.82
	18 Freon-113	151	2.344	2.344	(0.497)	252761	100.000	98.271
	19 Iodomethane	142	2.427	2.427	(0.515)	738324	100.000	99.424
	20 Carbon Disulfide	76	2.486	2.486	(0.527)	1639140	100.000	103.71
	21 Methylene Chloride	84	2.699	2.699	(0.573)	563287	100.000	100.34
	22 Acetonitrile	41	2.581	2.581	(0.547)	528883	1000.00	952.22
	23 Acrylonitrile	53	2.901	2.901	(0.615)	1960078	1000.00	1020.5

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0542.D
Report Date: 08-Jul-2005 12:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	2.949	2.949	(0.625)	1407790	100.000	100.14
25 trans-1,2-Dichloroethene	96	2.937	2.937	(0.623)	550619	100.000	100.14
26 Hexane	86	3.162	3.162	(0.671)	128286	100.000	105.25
27 Vinyl acetate	43	3.328	3.328	(0.706)	821506	100.000	108.20
28 1,1-Dichloroethane	63	3.281	3.281	(0.696)	985381	100.000	98.169
29 tert-Butyl Alcohol	59	2.830	2.830	(0.600)	647057	2000.00	1915.7(A)
30 2-Butanone	43	3.767	3.767	(0.799)	585303	200.000	203.26(A)
32 cis-1,2-dichloroethene	96	3.755	3.755	(0.796)	557806	100.000	99.003
33 2,2-Dichloropropane	77	3.755	3.755	(0.796)	656175	100.000	102.75
34 Bromochloromethane	128	3.956	3.956	(0.839)	270610	100.000	100.85
35 Chloroform	83	4.016	4.016	(0.852)	872636	100.000	98.905
36 Tetrahydrofuran	42	4.004	4.004	(0.849)	139096	100.000	95.212
37 1,1,1-Trichloroethane	97	4.170	4.170	(0.884)	748657	100.000	102.28
38 1,1-Dichloropropene	75	4.312	4.312	(0.915)	690084	100.000	102.65
39 Carbon Tetrachloride	117	4.312	4.312	(0.915)	618188	100.000	103.21
40 1,2-Dichloroethane	62	4.490	4.490	(0.952)	666950	100.000	98.246
41 Benzene	78	4.478	4.478	(0.950)	1981056	100.000	97.515
42 Trichloroethene	130	5.024	5.024	(1.065)	531865	100.000	100.35
43 1,2-Dichloropropane	63	5.202	5.202	(1.103)	473009	100.000	99.668
44 1,4-Dioxane	88	5.332	5.332	(1.131)	171541	5000.00	4992.6(A)
45 Dibromomethane	93	5.308	5.308	(1.126)	246380	100.000	99.058
46 Bromodichloromethane	83	5.439	5.439	(1.153)	549659	100.000	101.41
47 2-Chloroethyl vinyl ether	63	5.700	5.700	(1.209)	396101	200.000	186.91
48 cis-1,3-Dichloropropene	75	5.830	5.830	(1.236)	611789	100.000	90.931
49 4-Methyl-2-pentanone	43	5.961	5.961	(1.264)	901706	200.000	216.68(A)
50 Toluene	91	6.115	6.115	(0.832)	1785464	100.000	99.204
51 trans-1,3-Dichloropropene	75	6.304	6.304	(0.858)	499976	100.000	91.031
52 Ethyl Methacrylate	69	6.399	6.399	(0.871)	439339	100.000	94.193
53 1,1,2-Trichloroethane	97	6.470	6.470	(0.881)	311941	100.000	96.392
54 1,3-Dichloropropane	76	6.625	6.625	(0.902)	548516	100.000	96.744
55 Tetrachloroethene	164	6.613	6.613	(0.900)	365011	100.000	101.15
56 2-Hexanone	43	6.696	6.696	(0.911)	694419	200.000	206.46(A)
57 Dibromochloromethane	129	6.826	6.826	(0.929)	358301	100.000	104.94
58 1,2-Dibromoethane	107	6.921	6.921	(0.942)	308841	100.000	96.922
59 Chlorobenzene	112	7.372	7.372	(1.003)	1161942	100.000	97.475
60 1,1,1,2-Tetrachloroethane	131	7.455	7.455	(1.015)	419412	100.000	103.80
61 Ethylbenzene	106	7.478	7.478	(1.018)	639950	100.000	100.74
62 m + p-Xylene	106	7.585	7.585	(1.032)	1601284	200.000	202.35(A)
64 Xylene-o	106	7.953	7.953	(1.082)	797512	100.000	102.84
65 Styrene	104	7.965	7.965	(1.084)	1247656	100.000	104.86
66 Bromoform	173	8.143	8.143	(1.108)	224820	100.000	95.249
67 Isopropylbenzene	105	8.309	8.309	(1.131)	1911014	100.000	103.86
68 1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	414588	100.000	98.608
69 1,4-Dichloro-2-butene	53	8.641	8.641	(0.903)	121486	100.000	90.198
70 1,2,3-Trichloropropane	110	8.629	8.629	(0.902)	132836	100.000	94.836
71 Bromobenzene	156	8.593	8.593	(0.898)	492361	100.000	97.089
72 n-Propylbenzene	120	8.700	8.700	(0.910)	551988	100.000	101.93
73 2-Chlorotoluene	126	8.783	8.783	(0.918)	484268	100.000	99.705
74 1,3,5-Trimethylbenzene	105	8.878	8.878	(0.928)	1617923	100.000	102.67
75 4-Chlorotoluene	126	8.878	8.878	(0.928)	478421	100.000	97.414
76 tert-Butylbenzene	119	9.186	9.186	(0.960)	1425522	100.000	105.29
77 1,2,4-Trimethylbenzene	105	9.234	9.234	(0.965)	1641737	100.000	102.03
78 sec-Butylbenzene	105	9.400	9.400	(0.983)	2033365	100.000	103.30
79 4-Isopropyltoluene	119	9.542	9.542	(0.998)	1740827	100.000	103.19

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0542.D
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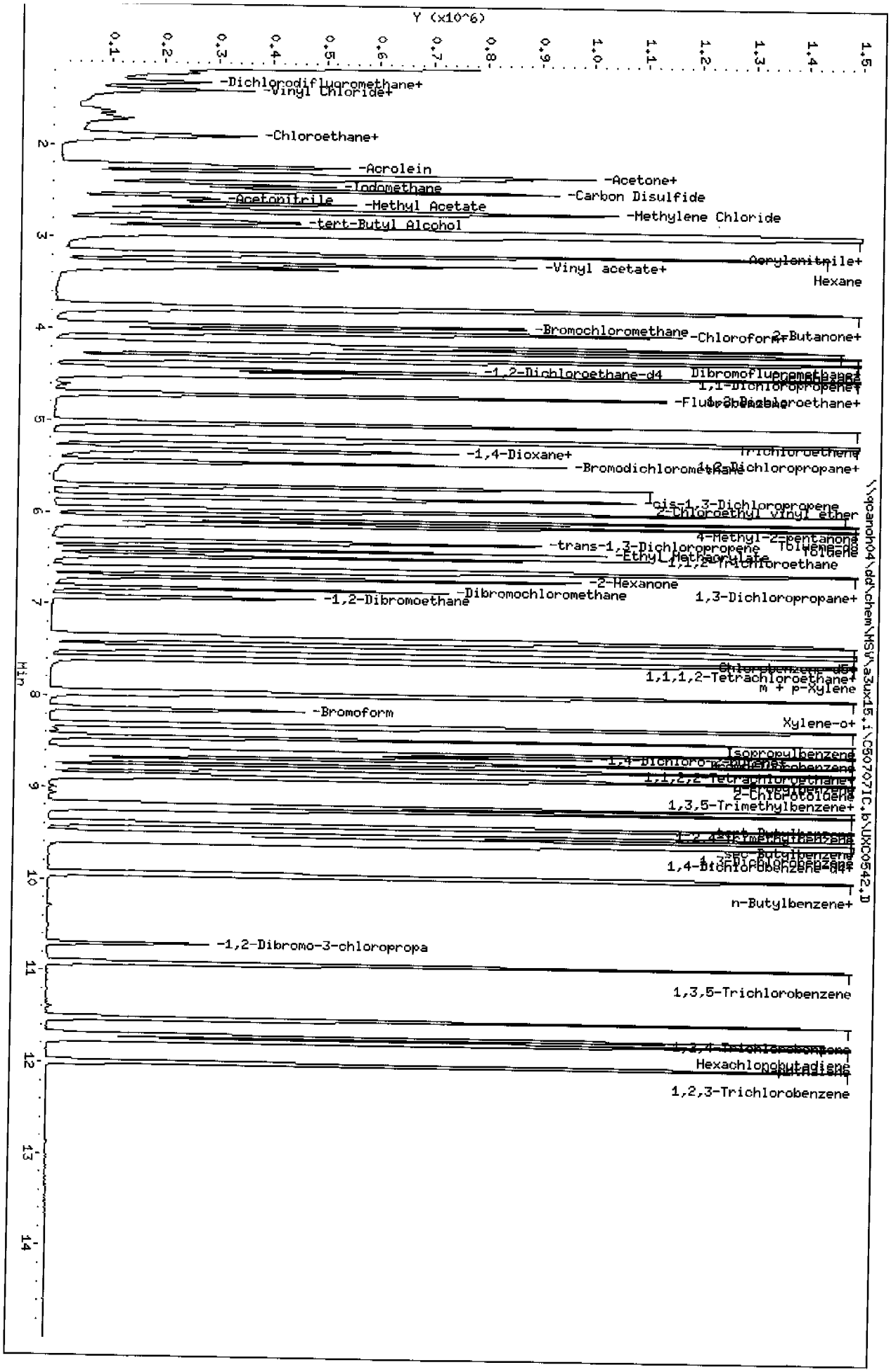
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80 1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	942183	100.000	97.584
81 1,4-Dichlorobenzene	146	9.577	9.577	(1.001)	980358	100.000	98.361
82 n-Butylbenzene	91	9.933	9.933	(1.038)	1548088	100.000	105.01
83 1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	901279	100.000	98.348
84 1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	85616	100.000	106.54
85 1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	735837	100.000	104.79
86 Hexachlorobutadiene	225	11.700	11.700	(1.223)	277173	100.000	103.15
87 Naphthalene	128	11.759	11.759	(1.229)	1682532	100.000	96.831
88 1,2,3-Trichlorobenzene	180	11.997	11.997	(1.254)	670705	100.000	102.23
98 Cyclohexane	56	4.217	4.217	(0.894)	1125153	100.000	104.49
143 Methyl Acetate	43	2.628	2.628	(0.557)	833970	200.000	195.23(A)
144 Methylcyclohexane	83	5.178	5.178	(1.098)	1003643	100.000	105.09(A)
141 1,3,5-Trichlorobenzene	180	10.917	10.917	(1.141)	773024	100.000	102.18(A)

QC Flag Legend

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



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Date : 07-JUL-2005 08:12
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Column phase: DB624

Instrument: a3ux15,i
Operator: 1754
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0543.D
Report Date: 08-Jul-2005 12:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0543.D
Lab Smp Id: 50NG8260CAL
Inj Date : 07-JUL-2005 08:35
Operator : 1754 Inst ID: a3ux15.i
Smp Info : 50NG8260CAL
Misc Info : C50707ICA,8260LLUX15,2-8260.SUB,1754,1,4
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Meth Date : 08-Jul-2005 12:38 a3ux15.i Quant Type: ISTD
Cal Date : 15-JUN-2005 20:59 Cal File: UXZ0009.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	1122133	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	721990	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.565	9.565	(1.000)	386173	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.158	(0.882)	208189	50.0000	47.299
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	252869	50.0000	48.254
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	761211	50.0000	48.261
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	266797	50.0000	47.462
8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	98537	50.0000	46.979
9 Chloromethane	50	1.312	1.312	(0.278)	183125	50.0000	49.469
10 Vinyl Chloride	62	1.395	1.395	(0.296)	181113	50.0000	49.873
11 Bromomethane	94	1.644	1.644	(0.349)	47085	50.0000	52.742
12 Chloroethane	64	1.715	1.715	(0.364)	76084	50.0000	46.459
13 Trichlorofluoromethane	101	1.893	1.893	(0.402)	189018	50.0000	50.390
15 Acrolein	56	2.225	2.225	(0.472)	320951	500.000	472.90
16 Acetone	43	2.355	2.355	(0.500)	278208	100.000	99.176
17 1,1-Dichloroethene	96	2.308	2.308	(0.490)	232431	50.0000	53.245
18 Freon-113	151	2.344	2.344	(0.497)	145259	50.0000	54.683
19 Iodomethane	142	2.427	2.427	(0.515)	418151	50.0000	54.522
20 Carbon Disulfide	76	2.486	2.486	(0.527)	882926	50.0000	54.093
21 Methylene Chloride	84	2.711	2.711	(0.575)	321512	50.0000	52.276
22 Acetonitrile	41	2.581	2.581	(0.547)	250892	500.000	437.38
23 Acrylonitrile	53	2.901	2.901	(0.615)	932883	500.000	470.28

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0543.D
Report Date: 08-Jul-2005 12:38

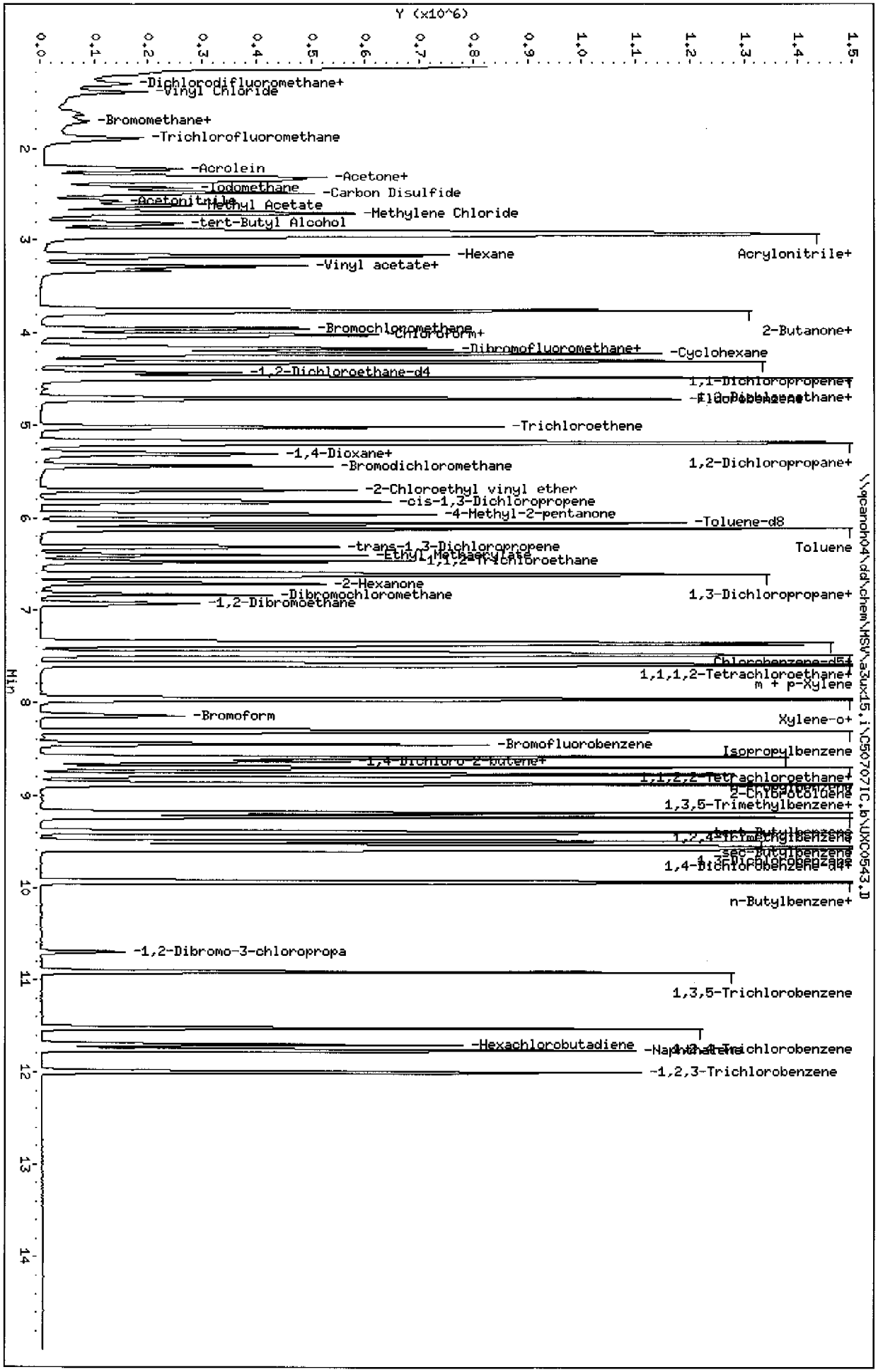
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	2.948	2.948	(0.625)	759924	50.0000	52.342
25	trans-1,2-Dichloroethene	96	2.936	2.936	(0.623)	299669	50.0000	52.769
26	Hexane	86	3.162	3.162	(0.671)	65863	50.0000	52.320
27	Vinyl acetate	43	3.328	3.328	(0.706)	384430	50.0000	49.027
28	1,1-Dichloroethane	63	3.280	3.280	(0.696)	541764	50.0000	52.260
29	tert-Butyl Alcohol	59	2.818	2.818	(0.598)	358054	1000.00	1026.4(A)
30	2-Butanone	43	3.767	3.767	(0.799)	322678	100.000	108.50
32	cis-1,2-dichloroethene	96	3.755	3.755	(0.796)	303456	50.0000	52.150
33	2,2-Dichloropropane	77	3.755	3.755	(0.796)	348557	50.0000	52.849
34	Bromochloromethane	128	3.956	3.956	(0.839)	144682	50.0000	52.210
35	Chloroform	83	4.027	4.027	(0.854)	477590	50.0000	52.412
36	Tetrahydrofuran	42	4.004	4.004	(0.849)	78889	50.0000	52.286
37	1,1,1-Trichloroethane	97	4.170	4.170	(0.884)	400341	50.0000	52.956
38	1,1-Dichloropropene	75	4.312	4.312	(0.915)	374570	50.0000	53.947
39	Carbon Tetrachloride	117	4.312	4.312	(0.915)	336985	50.0000	54.475
40	1,2-Dichloroethane	62	4.490	4.490	(0.952)	375491	50.0000	53.557
41	Benzene	78	4.478	4.478	(0.950)	1102499	50.0000	52.547
42	Trichloroethene	130	5.024	5.024	(1.065)	292161	50.0000	53.376
43	1,2-Dichloropropane	63	5.201	5.201	(1.103)	264409	50.0000	53.945
44	1,4-Dioxane	88	5.332	5.332	(1.131)	100032	2500.00	2819.0(A)
45	Dibromomethane	93	5.308	5.308	(1.126)	141973	50.0000	55.269
46	Bromodichloromethane	83	5.439	5.439	(1.153)	306407	50.0000	54.738
47	2-Chloroethyl vinyl ether	63	5.699	5.699	(1.209)	210498	100.000	97.879
48	cis-1,3-Dichloropropene	75	5.830	5.830	(1.236)	367060	50.0000	53.580
49	4-Methyl-2-pentanone	43	5.960	5.960	(1.264)	464001	100.000	107.96
50	Toluene	91	6.115	6.115	(0.832)	1039343	50.0000	53.662
51	trans-1,3-Dichloropropene	75	6.316	6.316	(0.860)	300025	50.0000	51.751
52	Ethyl Methacrylate	69	6.399	6.399	(0.871)	254749	50.0000	51.767
53	1,1,2-Trichloroethane	97	6.470	6.470	(0.881)	190377	50.0000	54.666
54	1,3-Dichloropropane	76	6.624	6.624	(0.902)	333969	50.0000	54.736
55	Tetrachloroethene	164	6.613	6.613	(0.900)	211313	50.0000	54.417
56	2-Hexanone	43	6.707	6.707	(0.913)	379128	100.000	106.05
57	Dibromochloromethane	129	6.826	6.826	(0.929)	204383	50.0000	55.624
58	1,2-Dibromoethane	107	6.921	6.921	(0.942)	187326	50.0000	54.628
59	Chlorobenzene	112	7.372	7.372	(1.003)	683675	50.0000	53.296
60	1,1,1,2-Tetrachloroethane	131	7.455	7.455	(1.015)	239174	50.0000	55.005
61	Ethylbenzene	106	7.478	7.478	(1.018)	367200	50.0000	53.715
62	m + p-Xylene	106	7.585	7.585	(1.032)	918994	100.000	107.92
64	Xylene-o	106	7.953	7.953	(1.082)	450455	50.0000	53.975
65	Styrene	104	7.964	7.964	(1.084)	713728	50.0000	55.741
66	Bromoform	173	8.142	8.142	(1.108)	123151	50.0000	49.585
67	Isopropylbenzene	105	8.308	8.308	(1.131)	1079092	50.0000	54.499
68	1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	234663	50.0000	54.273
69	1,4-Dichloro-2-butene	53	8.640	8.640	(0.903)	66585	50.0000	49.511
70	1,2,3-Trichloropropane	110	8.629	8.629	(0.902)	77863	50.0000	54.054
71	Bromobenzene	156	8.593	8.593	(0.898)	285612	50.0000	54.766
72	n-Propylbenzene	120	8.700	8.700	(0.910)	310370	50.0000	55.732
73	2-Chlorotoluene	126	8.783	8.783	(0.918)	272943	50.0000	54.645
74	1,3,5-Trimethylbenzene	105	8.878	8.878	(0.928)	915047	50.0000	56.464
75	4-Chlorotoluene	126	8.878	8.878	(0.928)	278082	50.0000	55.059
76	tert-Butylbenzene	119	9.186	9.186	(0.960)	794846	50.0000	57.089
77	1,2,4-Trimethylbenzene	105	9.233	9.233	(0.965)	922744	50.0000	55.765
78	sec-Butylbenzene	105	9.399	9.399	(0.983)	1142203	50.0000	56.426
79	4-Isopropyltoluene	119	9.542	9.542	(0.998)	969277	50.0000	55.869

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0543.D
Report Date: 08-Jul-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	529550	50.0000	53.333
81	1,4-Dichlorobenzene	146	9.577	9.577	(1.001)	543093	50.0000	52.985
82	n-Butylbenzene	91	9.933	9.933	(1.038)	840991	50.0000	55.472
83	1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	503034	50.0000	53.376
84	1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	43457	50.0000	52.583
85	1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	388946	50.0000	53.862
86	Hexachlorobutadiene	225	11.700	11.700	(1.223)	148056	50.0000	53.578
87	Naphthalene	128	11.759	11.759	(1.229)	871290	50.0000	49.858
88	1,2,3-Trichlorobenzene	180	11.996	11.996	(1.254)	361475	50.0000	53.577
98	Cyclohexane	56	4.217	4.217	(0.894)	599467	50.0000	53.904
143	Methyl Acetate	43	2.628	2.628	(0.557)	432365	100.000	98.001(A)
144	Methylcyclohexane	83	5.178	5.178	(1.098)	529152	50.0000	53.648(A)
141	1,3,5-Trichlorobenzene	180	10.917	10.917	(1.141)	414155	50.0000	53.233(A)

QC Flag Legend

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



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Date : 07-JUL-2005 08:35
Client ID:
Sample Info: 50NG8260CAL
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux15.i
Operator: 1754
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0544.D
Report Date: 08-Jul-2005 12:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0544.D
Lab Smp Id: 25NG8260CAL
Inj Date : 07-JUL-2005 08:59
Operator : 1754 Inst ID: a3ux15.i
Smp Info : 25NG8260CAL
Misc Info : C50707ICA,8260LLUX15,2-8260.SUB,1754,1,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Meth Date : 08-Jul-2005 12:38 a3ux15.i Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.704	4.704	(1.000)	1205257	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	774225	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.566	9.566	(1.000)	405106	50.0000	
$ 4 Dibromofluoromethane	113	4.146	4.146	(0.882)	113369	25.0000	23.980
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.942)	141277	25.0000	25.100
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	434459	25.0000	25.686
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	151550	25.0000	25.141
8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	46449	25.0000	22.046
9 Chloromethane	50	1.312	1.312	(0.279)	89148	25.0000	22.422
10 Vinyl Chloride	62	1.395	1.395	(0.297)	90257	25.0000	23.140
11 Bromomethane	94	1.644	1.644	(0.350)	21709	25.0000	19.426
12 Chloroethane	64	1.715	1.715	(0.365)	34529	25.0000	19.885
13 Trichlorofluoromethane	101	1.893	1.893	(0.403)	85367	25.0000	21.188
15 Acrolein	56	2.225	2.225	(0.473)	180754	250.000	247.96
16 Acetone	43	2.356	2.356	(0.501)	146928	50.0000	48.765
17 1,1-Dichloroethene	96	2.308	2.308	(0.491)	103220	25.0000	22.015
18 Freon-113	151	2.344	2.344	(0.498)	60872	25.0000	21.335
19 Iodomethane	142	2.427	2.427	(0.516)	183307	25.0000	22.253
20 Carbon Disulfide	76	2.486	2.486	(0.529)	386561	25.0000	22.050
21 Methylene Chloride	84	2.699	2.699	(0.574)	167877	25.0000	21.765
22 Acetonitrile	41	2.581	2.581	(0.549)	154844	250.000	251.32
23 Acrylonitrile	53	2.901	2.901	(0.617)	543751	250.000	255.21

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0544.D
Report Date: 08-Jul-2005 12:38

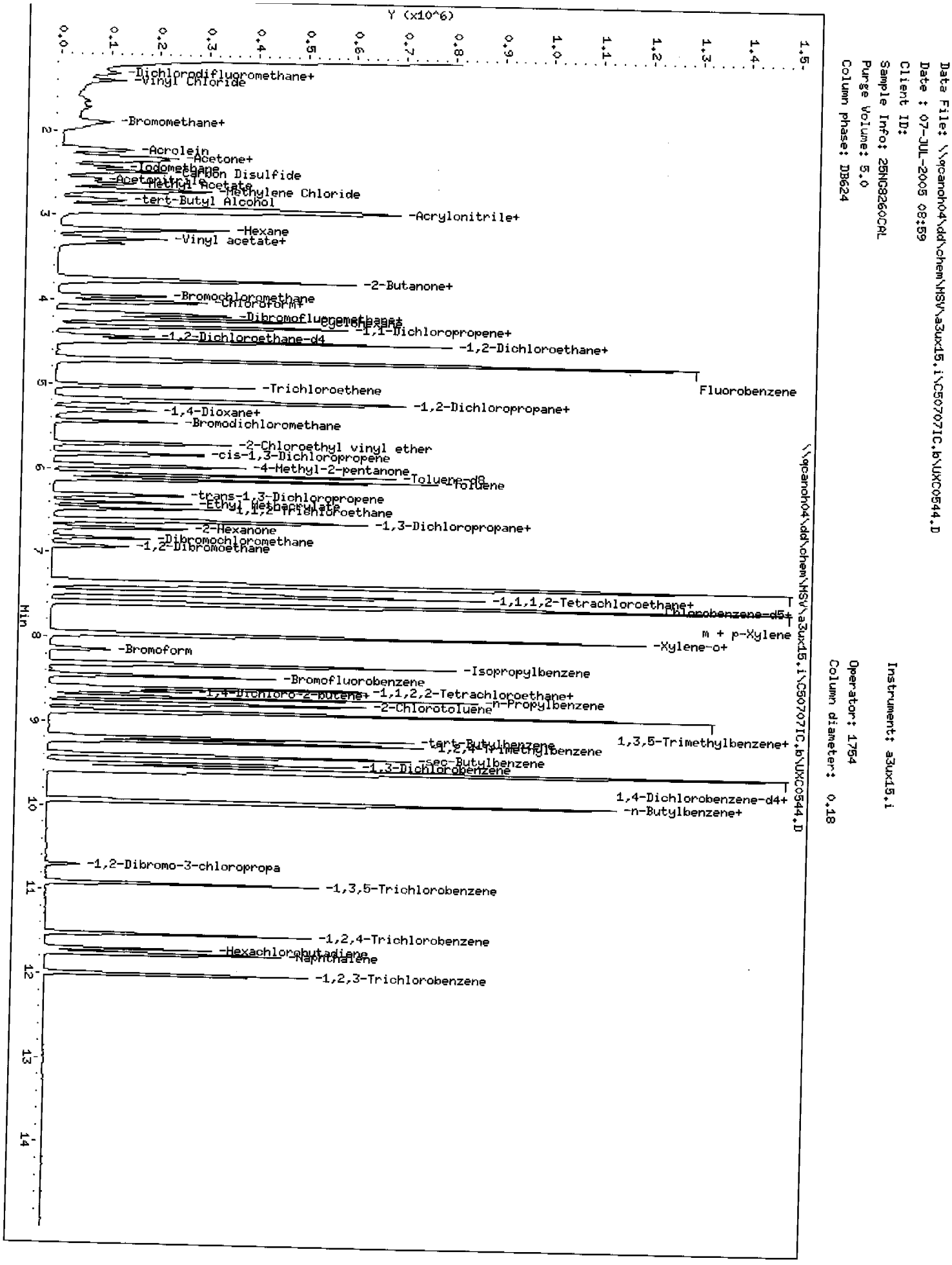
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24 Methyl tert-butyl ether	73	2.948	2.948	(0.627)	356059	25.0000	22.833
25 trans-1,2-Dichloroethene	96	2.937	2.937	(0.624)	136046	25.0000	22.304
26 Hexane	86	3.162	3.162	(0.672)	30351	25.0000	22.447
27 Vinyl acetate	43	3.328	3.328	(0.708)	221557	25.0000	26.307
28 1,1-Dichloroethane	63	3.280	3.280	(0.697)	248212	25.0000	22.292
29 tert-Butyl Alcohol	59	2.818	2.818	(0.599)	186805	500.000	498.57
30 2-Butanone	43	3.767	3.767	(0.801)	172772	50.0000	54.088
32 cis-1,2-dichloroethene	96	3.755	3.755	(0.798)	142701	25.0000	22.832
33 2,2-Dichloropropane	77	3.755	3.755	(0.798)	153596	25.0000	21.682
34 Bromochloromethane	128	3.956	3.956	(0.841)	66664	25.0000	22.398
35 Chloroform	83	4.016	4.016	(0.854)	222474	25.0000	22.731
36 Tetrahydrofuran	42	4.004	4.004	(0.851)	41061	25.0000	25.338
37 1,1,1-Trichloroethane	97	4.170	4.170	(0.887)	183849	25.0000	22.642
38 1,1-Dichloropropene	75	4.312	4.312	(0.917)	174514	25.0000	23.401
39 Carbon Tetrachloride	117	4.312	4.312	(0.917)	144302	25.0000	21.718
40 1,2-Dichloroethane	62	4.490	4.490	(0.955)	178908	25.0000	23.758
41 Benzene	78	4.478	4.478	(0.952)	528118	25.0000	23.435
42 Trichloroethene	130	5.024	5.024	(1.068)	141525	25.0000	24.073
43 1,2-Dichloropropane	63	5.202	5.202	(1.106)	128192	25.0000	24.350
44 1,4-Dioxane	88	5.332	5.332	(1.134)	51419	1250.00	1349.1(A)
45 Dibromomethane	93	5.296	5.296	(1.126)	66755	25.0000	24.195
46 Bromodichloromethane	83	5.439	5.439	(1.156)	146234	25.0000	24.322
47 2-Chloroethyl vinyl ether	63	5.700	5.700	(1.212)	128200	50.0000	57.021
48 cis-1,3-Dichloropropene	75	5.830	5.830	(1.239)	176708	25.0000	25.009
49 4-Methyl-2-pentanone	43	5.961	5.961	(1.267)	248406	50.0000	53.810
50 Toluene	91	6.115	6.115	(0.832)	498751	25.0000	24.014
51 trans-1,3-Dichloropropene	75	6.316	6.316	(0.860)	144789	25.0000	24.520
52 Ethyl Methacrylate	69	6.399	6.399	(0.871)	121444	25.0000	24.234
53 1,1,2-Trichloroethane	97	6.470	6.470	(0.881)	93919	25.0000	25.149
54 1,3-Dichloropropane	76	6.625	6.625	(0.902)	168870	25.0000	25.810
55 Tetrachloroethene	164	6.601	6.601	(0.898)	100023	25.0000	24.020
56 2-Hexanone	43	6.696	6.696	(0.911)	197536	50.0000	52.888
57 Dibromochloromethane	129	6.826	6.826	(0.929)	96954	25.0000	24.606
58 1,2-Dibromoethane	107	6.921	6.921	(0.942)	94658	25.0000	25.742
59 Chlorobenzene	112	7.372	7.372	(1.003)	334545	25.0000	24.320
60 1,1,1,2-Tetrachloroethane	131	7.455	7.455	(1.015)	111311	25.0000	23.872
61 Ethylbenzene	106	7.478	7.478	(1.018)	178798	25.0000	24.390
62 m + p-Xylene	106	7.585	7.585	(1.032)	438679	50.0000	48.038
64 Xylene-o	106	7.953	7.953	(1.082)	211704	25.0000	23.656
65 Styrene	104	7.965	7.965	(1.084)	332162	25.0000	24.191
66 Bromoform	173	8.142	8.142	(1.108)	58626	25.0000	23.260
67 Isopropylbenzene	105	8.308	8.308	(1.131)	492116	25.0000	23.177
68 1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	115363	25.0000	25.434
69 1,4-Dichloro-2-butene	53	8.641	8.641	(0.903)	30744	25.0000	23.517
70 1,2,3-Trichloropropane	110	8.629	8.629	(0.902)	39459	25.0000	26.113
71 Bromobenzene	156	8.593	8.593	(0.898)	136670	25.0000	24.982
72 n-Propylbenzene	120	8.700	8.700	(0.910)	145432	25.0000	24.894
73 2-Chlorotoluene	126	8.783	8.783	(0.918)	128488	25.0000	24.522
74 1,3,5-Trimethylbenzene	105	8.866	8.866	(0.927)	424664	25.0000	24.980
75 4-Chlorotoluene	126	8.878	8.878	(0.928)	136212	25.0000	25.709
76 tert-Butylbenzene	119	9.186	9.186	(0.960)	368941	25.0000	25.260
77 1,2,4-Trimethylbenzene	105	9.233	9.233	(0.965)	430570	25.0000	24.805
78 sec-Butylbenzene	105	9.399	9.399	(0.983)	519161	25.0000	24.448
79 4-Isopropyltoluene	119	9.542	9.542	(0.998)	440788	25.0000	24.220

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0544.D
Report Date: 08-Jul-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	252038	25.0000	24.197
81	1,4-Dichlorobenzene	146	9.577	9.577	(1.001)	256013	25.0000	23.810
82	n-Butylbenzene	91	9.933	9.933	(1.038)	373766	25.0000	23.502
83	1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	236514	25.0000	23.923
84	1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	20881	25.0000	24.085
85	1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	170365	25.0000	22.490
86	Hexachlorobutadiene	225	11.700	11.700	(1.223)	66432	25.0000	22.917
87	Naphthalene	128	11.759	11.759	(1.229)	390874	25.0000	22.588
88	1,2,3-Trichlorobenzene	180	11.996	11.996	(1.254)	166421	25.0000	23.514
98	Cyclohexane	56	4.217	4.217	(0.897)	259958	25.0000	21.763
143	Methyl Acetate	43	2.628	2.628	(0.559)	235327	50.0000	49.661(A)
144	Methylcyclohexane	83	5.178	5.178	(1.101)	232903	25.0000	21.984(A)
141	1,3,5-Trichlorobenzene	180	10.917	10.917	(1.141)	181381	25.0000	22.224(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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14
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acetonitrile
-Methyl Acetate
-Methylene Chloride
-tert-Butyl Alcohol
-Acrylonitrile+
-Hexane
-Vinyl acetate+
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-Ethyl methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
Chlorobenzene-d5+
m + p-Xylene
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,4-Dichloro-2-butene+
-1,1,2,2-Tetrachloroethane+
-n-Propylbenzene
-2-Chlorotoluene
1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
Naphthalene
-1,2,3-Trichlorobenzene
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Date : 07-JUL-2005 08:59
Client ID:
Sample Info: 25NG8260CRL
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux15.i
Operator: 1754
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0544.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0545.D
Report Date: 08-Jul-2005 12:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0545.D
Lab Smp Id: 10NG8260CAL
Inj Date : 07-JUL-2005 09:22
Operator : 1754 Inst ID: a3ux15.i
Smp Info : 10NG8260CAL
Misc Info : C50707ICA,8260LLUX15,2-8260.SUB,1754,1,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Meth Date : 08-Jul-2005 12:38 a3ux15.i Quant Type: ISTD
Cal Date : 15-JUN-2005 21:46 Cal File: UXZ0011.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
*	1 Fluorobenzene	96	4.703	4.703	(1.000)	1001827	50.0000	
*	2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	619811	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	9.565	9.565	(1.000)	372067	50.0000	
$	4 Dibromofluoromethane	113	4.158	4.158	(0.884)	40872	10.0000	10.401
$	5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.942)	47801	10.0000	10.217
$	6 Toluene-d8	98	6.055	6.055	(0.824)	133889	10.0000	9.888
$	7 Bromofluorobenzene	95	8.451	8.451	(1.150)	50703	10.0000	10.507
	8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	14650	10.0000	9.944
	9 Chloromethane	50	1.312	1.312	(0.279)	35519	10.0000	10.747
	10 Vinyl Chloride	62	1.395	1.395	(0.297)	32834	10.0000	10.127
	11 Bromomethane	94	1.632	1.632	(0.347)	10110	10.0000	10.906
	12 Chloroethane	64	1.715	1.715	(0.365)	15598	10.0000	12.096
	13 Trichlorofluoromethane	101	1.893	1.893	(0.403)	33362	10.0000	9.962
	15 Acrolein	56	2.225	2.225	(0.473)	60519	100.000	99.880
	16 Acetone	43	2.355	2.355	(0.501)	58062	20.0000	23.184
	17 1,1-Dichloroethene	96	2.308	2.308	(0.491)	41764	10.0000	10.716
	18 Freon-113	151	2.344	2.344	(0.498)	26756	10.0000	11.282
	19 Iodomethane	142	2.427	2.427	(0.516)	69494	10.0000	10.149
	20 Carbon Disulfide	76	2.486	2.486	(0.529)	144227	10.0000	9.897
	21 Methylene Chloride	84	2.699	2.699	(0.574)	82028	10.0000	9.867
	22 Acetonitrile	41	2.569	2.569	(0.546)	52595	100.000	102.70
	23 Acrylonitrile	53	2.901	2.901	(0.617)	179570	100.000	101.39

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0545.D
Report Date: 08-Jul-2005 12:38

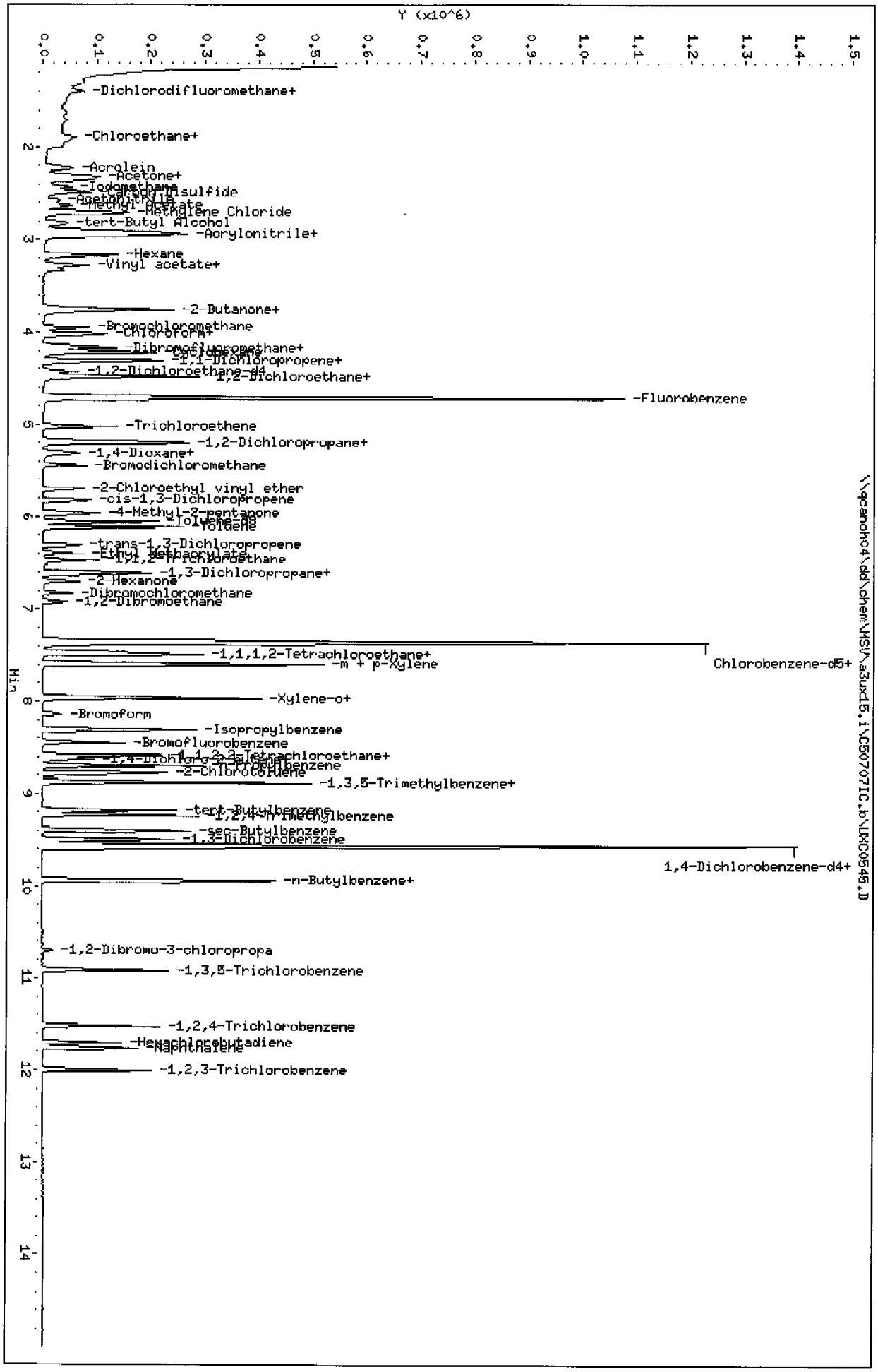
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
24 Methyl tert-butyl ether	73	2.948	2.948	(0.627)	133004	10.0000	10.261
25 trans-1,2-Dichloroethene	96	2.936	2.936	(0.624)	54329	10.0000	10.716
26 Hexane	86	3.162	3.162	(0.672)	12208	10.0000	10.862
27 Vinyl acetate	43	3.328	3.328	(0.708)	63192	10.0000	9.027
28 1,1-Dichloroethane	63	3.280	3.280	(0.697)	99333	10.0000	10.733
29 tert-Butyl Alcohol	59	2.818	2.818	(0.599)	62386	200.000	200.32
30 2-Butanone	43	3.767	3.767	(0.801)	52306	20.0000	19.700
32 cis-1,2-dichloroethene	96	3.755	3.755	(0.798)	54410	10.0000	10.473
33 2,2-Dichloropropane	77	3.755	3.755	(0.798)	59681	10.0000	10.136
34 Bromochloromethane	128	3.956	3.956	(0.841)	25458	10.0000	10.290
35 Chloroform	83	4.016	4.016	(0.854)	84669	10.0000	10.408
36 Tetrahydrofuran	42	4.004	4.004	(0.851)	13709	10.0000	10.177
37 1,1,1-Trichloroethane	97	4.170	4.170	(0.887)	70002	10.0000	10.372
38 1,1-Dichloropropene	75	4.312	4.312	(0.917)	62807	10.0000	10.132
39 Carbon Tetrachloride	117	4.312	4.312	(0.917)	54651	10.0000	9.896
40 1,2-Dichloroethane	62	4.490	4.490	(0.955)	62838	10.0000	10.039
41 Benzene	78	4.478	4.478	(0.952)	194091	10.0000	10.362
42 Trichloroethene	130	5.024	5.024	(1.068)	47940	10.0000	9.810
43 1,2-Dichloropropane	63	5.201	5.201	(1.106)	42568	10.0000	9.728
44 1,4-Dioxane	88	5.332	5.332	(1.134)	14484	500.000	457.18(A)
45 Dibromomethane	93	5.296	5.296	(1.126)	22432	10.0000	9.781
46 Bromodichloromethane	83	5.439	5.439	(1.156)	47562	10.0000	9.517
47 2-Chloroethyl vinyl ether	63	5.699	5.699	(1.212)	29874	20.0000	18.514
48 cis-1,3-Dichloropropene	75	5.818	5.818	(1.237)	48470	10.0000	9.460
49 4-Methyl-2-pentanone	43	5.960	5.960	(1.267)	69216	20.0000	18.038
50 Toluene	91	6.115	6.115	(0.832)	166299	10.0000	10.002
51 trans-1,3-Dichloropropene	75	6.304	6.304	(0.858)	38347	10.0000	9.609
52 Ethyl Methacrylate	69	6.399	6.399	(0.871)	33157	10.0000	9.713
53 1,1,2-Trichloroethane	97	6.470	6.470	(0.881)	29775	10.0000	9.959
54 1,3-Dichloropropane	76	6.624	6.624	(0.902)	50748	10.0000	9.688
55 Tetrachloroethene	164	6.601	6.601	(0.898)	33176	10.0000	9.952
56 2-Hexanone	43	6.696	6.696	(0.911)	54358	20.0000	19.918
57 Dibromochloromethane	129	6.826	6.826	(0.929)	28419	10.0000	9.010
58 1,2-Dibromoethane	107	6.921	6.921	(0.942)	28716	10.0000	9.755
59 Chlorobenzene	112	7.372	7.372	(1.003)	112986	10.0000	10.260
60 1,1,1,2-Tetrachloroethane	131	7.455	7.455	(1.015)	34808	10.0000	9.325
61 Ethylbenzene	106	7.478	7.478	(1.018)	58123	10.0000	9.904
62 m + p-Xylene	106	7.585	7.585	(1.032)	147971	20.0000	20.240
64 Xylene-o	106	7.953	7.953	(1.082)	73419	10.0000	10.248
65 Styrene	104	7.964	7.964	(1.084)	104377	10.0000	9.496
66 Bromoform	173	8.142	8.142	(1.108)	16549	10.0000	9.653
67 Isopropylbenzene	105	8.308	8.308	(1.131)	173704	10.0000	10.219
68 1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	40076	10.0000	9.620
69 1,4-Dichloro-2-butene	53	8.640	8.640	(0.903)	8495	10.0000	9.230
70 1,2,3-Trichloropropane	110	8.629	8.629	(0.902)	14464	10.0000	10.422
71 Bromobenzene	156	8.593	8.593	(0.898)	49444	10.0000	9.840
72 n-Propylbenzene	120	8.700	8.700	(0.910)	51290	10.0000	9.559
73 2-Chlorotoluene	126	8.783	8.783	(0.918)	47716	10.0000	9.915
74 1,3,5-Trimethylbenzene	105	8.878	8.878	(0.928)	148924	10.0000	9.538
75 4-Chlorotoluene	126	8.878	8.878	(0.928)	47408	10.0000	9.742
76 tert-Butylbenzene	119	9.186	9.186	(0.960)	123740	10.0000	9.224
77 1,2,4-Trimethylbenzene	105	9.233	9.233	(0.965)	154062	10.0000	9.664
78 sec-Butylbenzene	105	9.399	9.399	(0.983)	186819	10.0000	9.579
79 4-Isopropyltoluene	119	9.542	9.542	(0.998)	166266	10.0000	9.947

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0545.D
Report Date: 08-Jul-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	98191	10.0000	10.264
81	1,4-Dichlorobenzene	146	9.577	9.577	(1.001)	101632	10.0000	10.291
82	n-Butylbenzene	91	9.933	9.933	(1.038)	142964	10.0000	9.788
83	1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	93890	10.0000	10.340
84	1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	6991	10.0000	8.780
85	1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	69227	10.0000	9.950
86	Hexachlorobutadiene	225	11.700	11.700	(1.223)	27685	10.0000	10.398
87	Naphthalene	128	11.759	11.759	(1.229)	139620	10.0000	10.137
88	1,2,3-Trichlorobenzene	180	11.996	11.996	(1.254)	66337	10.0000	10.205
98	Cyclohexane	56	4.217	4.217	(0.897)	102378	10.0000	10.311
143	Methyl Acetate	43	2.628	2.628	(0.559)	82796	20.0000	21.020(A)
144	Methylcyclohexane	83	5.178	5.178	(1.101)	89816	10.0000	10.200(A)
141	1,3,5-Trichlorobenzene	180	10.917	10.917	(1.141)	77254	10.0000	10.306(A)

QC Flag Legend

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



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Date : 07-JUL-2005 09:22
Client ID:
Sample Info: 10ND3260CAL
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux15.i
Operator: 1754
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0546.D
Report Date: 08-Jul-2005 12:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0546.D
Lab Smp Id: 5NG8260CAL
Inj Date : 07-JUL-2005 09:45
Operator : 1754 Inst ID: a3ux15.i
Smp Info : 5NG8260CAL
Misc Info : C50707ICA,8260LLUX15,2-8260.SUB,1754,1,1
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Meth Date : 08-Jul-2005 12:38 a3ux15.i Quant Type: ISTD
Cal Date : 15-JUN-2005 22:09 Cal File: UXZ0012.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	1010592	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	618606	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.566	9.566	(1.000)	363976	50.0000	
$ 4 Dibromofluoromethane	113	4.146	4.146	(0.879)	20298	5.00000	5.120
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	23298	5.00000	4.936
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	63987	5.00000	4.735
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	23655	5.00000	4.911
8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	6429	5.00000	5.764
9 Chloromethane	50	1.312	1.312	(0.278)	20307	5.00000	6.091
10 Vinyl Chloride	62	1.395	1.395	(0.296)	17863	5.00000	5.462
11 Bromomethane	94	1.644	1.644	(0.349)	6555	5.00000	7.439
12 Chloroethane	64	1.715	1.715	(0.364)	9069	5.00000	8.375
13 Trichlorofluoromethane	101	1.893	1.893	(0.402)	17249	5.00000	5.106
15 Acrolein	56	2.225	2.225	(0.472)	33044	50.0000	54.062
16 Acetone	43	2.356	2.356	(0.500)	28483	10.0000	11.274
17 1,1-Dichloroethene	96	2.308	2.308	(0.490)	20061	5.00000	5.103
18 Freon-113	151	2.344	2.344	(0.497)	12031	5.00000	5.029
19 Iodomethane	142	2.427	2.427	(0.515)	35090	5.00000	5.080
20 Carbon Disulfide	76	2.486	2.486	(0.527)	71785	5.00000	4.883
21 Methylene Chloride	84	2.711	2.711	(0.575)	61332	5.00000	5.476
22 Acetonitrile	41	2.581	2.581	(0.547)	30110	50.0000	58.284
23 Acrylonitrile	53	2.901	2.901	(0.615)	91367	50.0000	51.143

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0546.D
Report Date: 08-Jul-2005 12:38

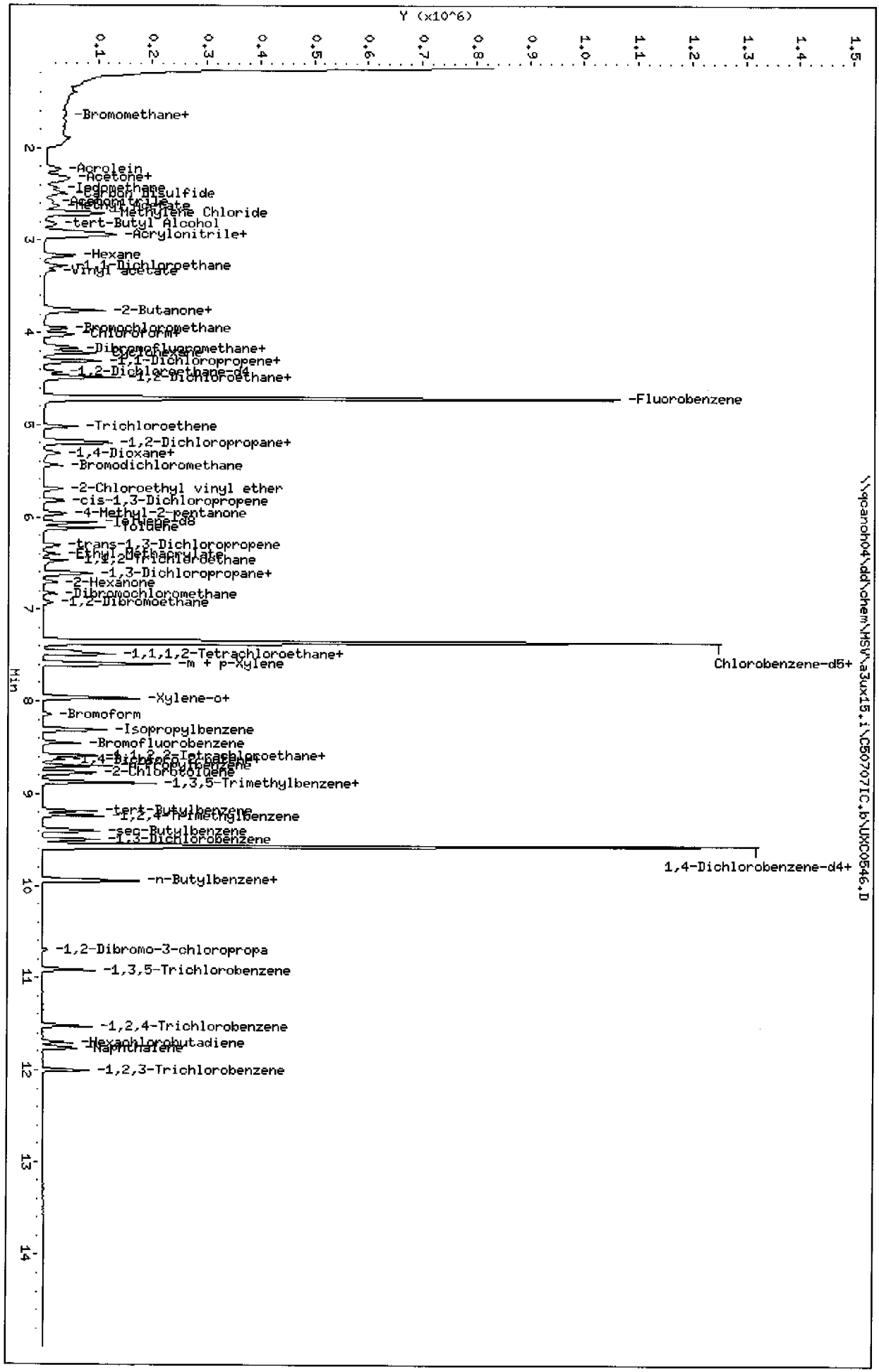
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
24	Methyl tert-butyl ether	73	2.948	2.948	(0.625)	64949	5.00000	4.967
25	trans-1,2-Dichloroethene	96	2.937	2.937	(0.623)	25682	5.00000	5.022
26	Hexane	86	3.162	3.162	(0.671)	5018	5.00000	4.426
27	Vinyl acetate	43	3.328	3.328	(0.706)	31257	5.00000	4.426
28	1,1-Dichloroethane	63	3.281	3.281	(0.696)	47971	5.00000	5.138
29	tert-Butyl Alcohol	59	2.818	2.818	(0.598)	31996	100.000	101.84
30	2-Butanone	43	3.779	3.779	(0.801)	22587	10.0000	8.433
32	cis-1,2-dichloroethene	96	3.755	3.755	(0.796)	26855	5.00000	5.124
33	2,2-Dichloropropane	77	3.755	3.755	(0.796)	29746	5.00000	5.008
34	Bromochloromethane	128	3.956	3.956	(0.839)	12782	5.00000	5.122
35	Chloroform	83	4.028	4.028	(0.854)	41688	5.00000	5.080
36	Tetrahydrofuran	42	4.004	4.004	(0.849)	6538	5.00000	4.812
37	1,1,1-Trichloroethane	97	4.170	4.170	(0.884)	32469	5.00000	4.769
38	1,1-Dichloropropene	75	4.312	4.312	(0.915)	28806	5.00000	4.607
39	Carbon Tetrachloride	117	4.312	4.312	(0.915)	26697	5.00000	4.792
40	1,2-Dichloroethane	62	4.490	4.490	(0.952)	30698	5.00000	4.862
41	Benzene	78	4.478	4.478	(0.950)	95387	5.00000	5.048
42	Trichloroethene	130	5.024	5.024	(1.065)	23718	5.00000	4.811
43	1,2-Dichloropropane	63	5.202	5.202	(1.103)	20663	5.00000	4.681
44	1,4-Dioxane	88	5.332	5.332	(1.131)	7006	250.000	219.22(A)
45	Dibromomethane	93	5.296	5.296	(1.123)	10628	5.00000	4.594
46	Bromodichloromethane	83	5.439	5.439	(1.153)	21942	5.00000	4.352
47	2-Chloroethyl vinyl ether	63	5.700	5.700	(1.209)	13067	10.0000	10.018
48	cis-1,3-Dichloropropene	75	5.830	5.830	(1.236)	22014	5.00000	5.250
49	4-Methyl-2-pentanone	43	5.961	5.961	(1.264)	30870	10.0000	7.975
50	Toluene	91	6.115	6.115	(0.832)	76746	5.00000	4.625
51	trans-1,3-Dichloropropene	75	6.304	6.304	(0.858)	16426	5.00000	5.401
52	Ethyl Methacrylate	69	6.399	6.399	(0.871)	13677	5.00000	5.304
53	1,1,2-Trichloroethane	97	6.470	6.470	(0.881)	13592	5.00000	4.555
54	1,3-Dichloropropane	76	6.625	6.625	(0.902)	23267	5.00000	4.451
55	Tetrachloroethene	164	6.601	6.601	(0.898)	15061	5.00000	4.527
56	2-Hexanone	43	6.708	6.708	(0.913)	19730	10.0000	8.929
57	Dibromochloromethane	129	6.826	6.826	(0.929)	12731	5.00000	4.044
58	1,2-Dibromoethane	107	6.921	6.921	(0.942)	12939	5.00000	4.404
59	Chlorobenzene	112	7.372	7.372	(1.003)	51157	5.00000	4.654
60	1,1,1,2-Tetrachloroethane	131	7.455	7.455	(1.015)	16609	5.00000	4.458
61	Ethylbenzene	106	7.478	7.478	(1.018)	27046	5.00000	4.618
62	m + p-Xylene	106	7.585	7.585	(1.032)	66245	10.0000	9.079
64	Xylene-o	106	7.953	7.953	(1.082)	32282	5.00000	4.515
65	Styrene	104	7.965	7.965	(1.084)	45571	5.00000	4.154
66	Bromoform	173	8.143	8.143	(1.108)	7596	5.00000	5.651
67	Isopropylbenzene	105	8.309	8.309	(1.131)	74806	5.00000	4.409
68	1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	18333	5.00000	4.499
69	1,4-Dichloro-2-butene	53	8.641	8.641	(0.903)	3912	5.00000	5.976
70	1,2,3-Trichloropropane	110	8.629	8.629	(0.902)	5799	5.00000	4.271
71	Bromobenzene	156	8.593	8.593	(0.898)	21896	5.00000	4.454
72	n-Propylbenzene	120	8.700	8.700	(0.910)	21616	5.00000	4.118
73	2-Chlorotoluene	126	8.783	8.783	(0.918)	20691	5.00000	4.395
74	1,3,5-Trimethylbenzene	105	8.878	8.878	(0.928)	61191	5.00000	4.006
75	4-Chlorotoluene	126	8.878	8.878	(0.928)	20940	5.00000	4.399
76	tert-Butylbenzene	119	9.186	9.186	(0.960)	49121	5.00000	3.743
77	1,2,4-Trimethylbenzene	105	9.234	9.234	(0.965)	63080	5.00000	4.045
78	sec-Butylbenzene	105	9.400	9.400	(0.983)	76411	5.00000	4.005
79	4-Isopropyltoluene	119	9.542	9.542	(0.998)	63889	5.00000	3.907

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0546.D
Report Date: 08-Jul-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
80	1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	43146	5.00000	4.610
81	1,4-Dichlorobenzene	146	9.577	9.577	(1.001)	45952	5.00000	4.756
82	n-Butylbenzene	91	9.933	9.933	(1.038)	58563	5.00000	4.098
83	1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	41876	5.00000	4.714
84	1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	3215	5.00000	4.127
85	1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	30438	5.00000	4.472
86	Hexachlorobutadiene	225	11.700	11.700	(1.223)	11675	5.00000	4.483
87	Naphthalene	128	11.759	11.759	(1.229)	56158	5.00000	5.471
88	1,2,3-Trichlorobenzene	180	11.997	11.997	(1.254)	28085	5.00000	4.416
98	Cyclohexane	56	4.217	4.217	(0.894)	47178	5.00000	4.710(a)
143	Methyl Acetate	43	2.628	2.628	(0.557)	41208	10.0000	10.371(A)
144	Methylcyclohexane	83	5.178	5.178	(1.098)	41649	5.00000	4.689(aA)
141	1,3,5-Trichlorobenzene	180	10.917	10.917	(1.141)	33750	5.00000	4.602(A)

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.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Date : 07-JUL-2005 09:45
Client ID:
Sample Info: 5NG8260CAL
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux15,i
Operator: 1754
Column diameter: 0.18
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0.2
0.3
0.4
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0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
2
3
4
5
6
7
8
9
10
11
12
13
14
-Bromomethane+
-Acrolein
-Acetone+
-Iodomethane
-Carbon Disulfide
-Acrylonitrile+
-Methylene Chloride
-tert-Butyl Alcohol
-Hexane
-1,1-Dichloroethane
-Vinyl acetate
-2-Butanone+
-Bromochloromethane
-Chloroform+
-Dibromofluoromethane+
-Cyclohexane
-1,1-Dichloropropene+
-1,2-Dichloroethane-d4
-1,2-Dichloroethane+
-Fluorobenzene
-Trichloroethene
-1,2-Dichloropropane+
-1,4-Dioxane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
-Toluene
-trans-1,3-Dichloropropene
-Ethyl Methacrylate
-1,1,2-Trichloroethane
-1,3-Dichloropropane+
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
-1,1,1,2-Tetrachloroethane+
-m + p-Xylene
Chlorobenzene-d5+
-Xylene-o+
-Bromoform
-Isopropylbenzene
-Bromofluorobenzene
-1,1,2,2-Tetrachloroethane+
-1,4-Dichlorobutane
-Propylbenzene
-2-Chlorotoluene
-1,3,5-Trimethylbenzene+
-tert-Butylbenzene
-1,2,4-Trimethylbenzene
-sec-Butylbenzene
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-n-Butylbenzene+
-1,2-Dibromo-3-chloropropa
-1,3,5-Trichlorobenzene
-1,2,4-Trichlorobenzene
-Hexachlorobutadiene
-Naphthalene
-1,2,3-Trichlorobenzene
\\qcanon04\dd\chem\HSV\a3ux15,i\C50707IC,b\UXC0546,D

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0547.D
Report Date: 08-Jul-2005 12:38

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0547.D
Lab Smp Id: ICV
Inj Date : 07-JUL-2005 10:08
Operator : 1754 Inst ID: a3ux15.i
Smp Info : ICV
Misc Info : C50707ICA,8260LLUX15,2-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Meth Date : 08-Jul-2005 12:38 a3ux15.i Quant Type: ISTD
Cal Date : 15-JUN-2005 22:33 Cal File: UXZ0013.D
Als bottle: 8 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV03

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	1026121	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	612001	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.565	9.566	(1.000)	350561	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.146	(0.882)	217826	54.1192	10.824
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	246682	51.4776	10.296
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	700492	52.3933	10.479
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	252682	53.0299	10.606
8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	78096	41.0567	8.211
9 Chloromethane	50	1.312	1.312	(0.278)	182666	53.9626	10.792
10 Vinyl Chloride	62	1.395	1.395	(0.296)	181830	54.7559	10.951
11 Bromomethane	94	1.644	1.644	(0.349)	47403	59.8168	11.963
12 Chloroethane	64	1.715	1.715	(0.364)	78518	53.0395	10.608
13 Trichlorofluoromethane	101	1.893	1.893	(0.402)	195942	57.1237	11.425
15 Acrolein	56	2.225	2.225	(0.472)	410758	661.859	132.37
16 Acetone	43	2.355	2.356	(0.500)	75576	29.4624	5.892
17 1,1-Dichloroethene	96	2.308	2.308	(0.490)	202493	50.7272	10.145
18 Freon-113	151	2.344	2.344	(0.497)	130901	53.8885	10.778
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.486	2.486	(0.527)	760627	50.9605	10.192
21 Methylene Chloride	84	2.711	2.711	(0.575)	278064	49.0575	9.812
22 Acetonitrile	41	2.581	2.581	(0.547)	256849	489.656	97.931
23 Acrylonitrile	53	2.901	2.901	(0.615)	919066	506.667	101.33

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0547.D
Report Date: 08-Jul-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	2.948	2.948	(0.625)	655870	49.4022	9.880
	25 trans-1,2-Dichloroethene	96	2.936	2.937	(0.623)	254684	49.0439	9.809
	26 Hexane	86	3.174	3.162	(0.673)	62611	54.3906	10.878
	27 Vinyl acetate	43	3.162	3.328	(0.671)	258504	36.0521	7.210
	28 1,1-Dichloroethane	63	3.280	3.281	(0.696)	461242	48.6562	9.731
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.778	3.779	(0.801)	81442	29.9471	5.989
M	31 1,2-Dichloroethene (total)	96				510496	97.1195	19.424
	32 cis-1,2-dichloroethene	96	3.755	3.755	(0.796)	255812	48.0756	9.615
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.016	4.028	(0.852)	395833	47.5045	9.501
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.170	4.170	(0.884)	349064	50.4932	10.099
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.312	4.312	(0.914)	287184	50.7686	10.154
	40 1,2-Dichloroethane	62	4.490	4.490	(0.952)	295870	46.1490	9.230
	41 Benzene	78	4.478	4.478	(0.950)	883940	46.0720	9.214
	42 Trichloroethene	130	5.024	5.024	(1.065)	230354	46.0224	9.204
	43 1,2-Dichloropropane	63	5.201	5.202	(1.103)	204541	45.6357	9.127
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.439	5.439	(1.153)	218483	42.6828	8.536
	47 2-Chloroethyl vinyl ether	63	5.700	5.700	(1.209)	77047	41.2851	8.257
	48 cis-1,3-Dichloropropene	75	5.830	5.830	(1.236)	239872	38.8047	7.761
	49 4-Methyl-2-pentanone	43	5.960	5.961	(1.264)	161951	41.2065	8.241
	50 Toluene	91	6.115	6.115	(0.832)	752148	45.8136	9.163
	51 trans-1,3-Dichloropropene	75	6.316	6.304	(0.860)	189507	39.1324	7.826
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.470	6.470	(0.881)	129045	43.7142	8.743
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.613	6.601	(0.900)	157266	47.7777	9.556
	56 2-Hexanone	43	6.696	6.708	(0.911)	90782	31.8573	6.371
	57 Dibromochloromethane	129	6.826	6.826	(0.929)	135972	43.6566	8.731
	58 1,2-Dibromoethane	107	6.921	6.921	(0.942)	125363	43.1289	8.626
	59 Chlorobenzene	112	7.372	7.372	(1.003)	496382	45.6497	9.130
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.478	7.478	(1.018)	275874	47.6080	9.522
	62 m + p-Xylene	106	7.585	7.585	(1.032)	680997	94.3396	18.868
M	63 Xylenes (total)	106				1016819	141.811	28.362
	64 Xylene-o	106	7.953	7.953	(1.082)	335822	47.4712	9.494
	65 Styrene	104	7.976	7.965	(1.086)	496972	45.7884	9.158
	66 Bromoform	173	8.142	8.143	(1.108)	84955	40.7710	8.154
	67 Isopropylbenzene	105	8.308	8.309	(1.131)	849200	50.5968	10.119
	68 1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	172815	44.0290	8.806
	69 1,4-Dichloro-2-butene	53	8.391	8.641	(0.877)	1633	4.33614	0.8672
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					
	76 tert-Butylbenzene	119	Compound Not Detected.					
	77 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0547.D
Report Date: 08-Jul-2005 12:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	408399	45.3098	9.062
81	1,4-Dichlorobenzene	146	9.577	9.577	(1.001)	433597	46.6002	9.320
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	387907	45.3418	9.068
84	1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	31981	42.6285	8.526
85	1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	306288	46.7244	9.345
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	11.759	11.759	(1.229)	1753	2.31821	0.4636
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98	Cyclohexane	56	4.217	4.217	(0.894)	507676	49.9211	9.984
143	Methyl Acetate	43	2.628	2.628	(0.557)	178680	44.2896	8.858(A)
144	Methylcyclohexane	83	5.190	5.178	(1.101)	444567	49.2899	9.858(A)
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0547.D
Report Date: 08-Jul-2005 12:39

STL North Canton

RECOVERY REPORT

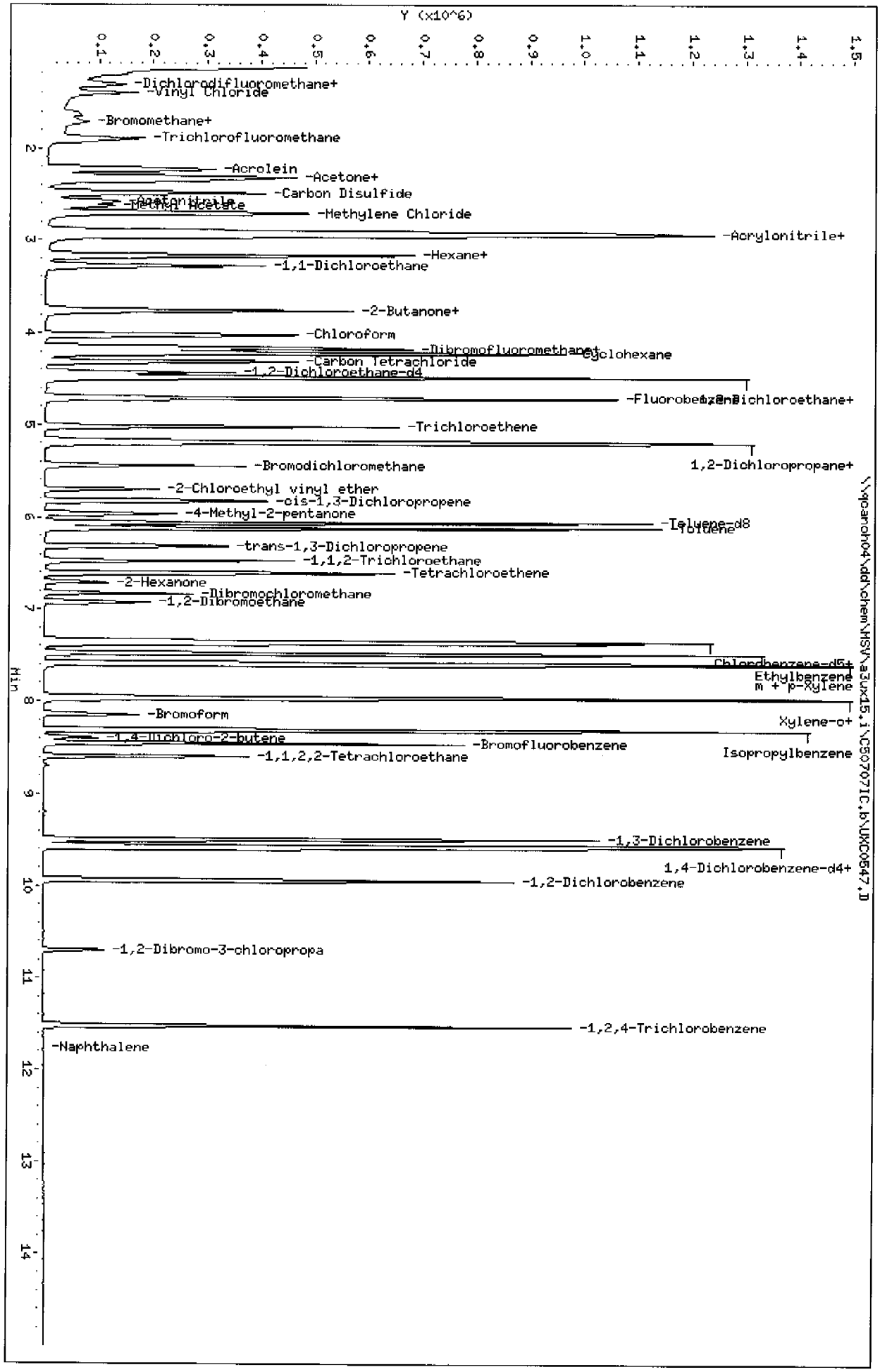
Client Name: Client SDG: SDGa00932
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: ICV
Level: LOW Operator: 1754
Data Type: MS DATA SampleType: METHSPIKE
SpikeList File: plexus-ck.spk Quant Type: ISTD
Sublist File: 2-8260.SUB
Method File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\8260LLUX15.m
Misc Info: C50707ICA,8260LLUX15,2-8260.SUB,1754,3

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	10.145	101.45	45-155
	42 Trichloroethene	10.000	9.204	92.04	45-155
	59 Chlorobenzene	10.000	9.130	91.30	45-155
	50 Toluene	10.000	9.163	91.63	45-155
	41 Benzene	10.000	9.214	92.14	45-155
	16 Acetone	10.000	5.892	✓ 58.92	45-155
	20 Carbon Disulfide	10.000	10.192	101.92	45-155
	9 Chloromethane	10.000	10.792	107.93	45-155
	11 Bromomethane	10.000	11.963	119.63	45-155
	10 Vinyl Chloride	10.000	10.951	109.51	45-155
	12 Chloroethane	10.000	10.608	106.08	45-155
	21 Methylene Chloride	10.000	9.812	98.12	45-155
	28 1,1-Dichloroethane	10.000	9.731	97.31	45-155
M	31 1,2-Dichloroethene	20.000	19.424	97.12	45-155
	35 Chloroform	10.000	9.501	95.01	45-155
	40 1,2-Dichloroethane	10.000	9.230	92.30	45-155
	30 2-Butanone	10.000	5.989	✓ 59.89	45-155
	37 1,1,1-Trichloroeth	10.000	10.099	100.99	45-155
	39 Carbon Tetrachlori	10.000	10.154	101.54	45-155
	46 Bromodichlorometha	10.000	8.536	85.37	45-155
	43 1,2-Dichloropropan	10.000	9.127	91.27	45-155
	48 cis-1,3-Dichloropr	10.000	7.761	✓ 77.61	45-155
	57 Dibromochlorometha	10.000	8.731	87.31	45-155
	53 1,1,2-Trichloroeth	10.000	8.743	87.43	45-155
	51 trans-1,3-Dichloro	10.000	7.826	✓ 78.26	45-155
	66 Bromoform	10.000	8.154	81.54	45-155
	49 4-Methyl-2-pentano	10.000	8.241	82.41	45-155
	56 2-Hexanone	10.000	6.371	✓ 63.71	45-155
	55 Tetrachloroethene	10.000	9.556	95.56	45-155
	68 1,1,2,2-Tetrachlor	10.000	8.806	88.06	45-155
	61 Ethylbenzene	10.000	9.522	95.22	45-155
	65 Styrene	10.000	9.158	91.58	45-155
	62 m + p-Xylene	20.000	18.868	94.34	45-155
M	63 Xylenes (total)	30.000	28.362	94.54	45-155
	64 Xylene-o	10.000	9.494	94.94	45-155
	32 cis-1,2-dichloroet	10.000	9.615	96.15	45-155
	25 trans-1,2-Dichloro	10.000	9.809	98.09	45-155
	8 Dichlorodifluorome	10.000	8.211	82.11	45-155
	13 Trichlorofluoromet	10.000	11.425	114.25	45-155
	18 Freon-113	10.000	10.778	107.78	45-155

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0547.D
Report Date: 08-Jul-2005 12:39

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
24 Methyl tert-butyl	10.000	9.880	98.80	45-155
58 1,2-Dibromoethane	10.000	8.626	86.26	45-155
67 Isopropylbenzene	10.000	10.119	101.19	45-155
80 1,3-Dichlorobenzen	10.000	9.062	90.62	45-155
81 1,4-Dichlorobenzen	10.000	9.320	93.20	45-155
83 1,2-Dichlorobenzen	10.000	9.068	90.68	45-155
84 1,2-Dibromo-3-chlo	10.000	8.526	85.26	45-155
85 1,2,4-Trichloroben	10.000	9.345	93.45	45-155
98 Cyclohexane	10.000	9.984	99.84	45-155
143 Methyl Acetate	10.000	8.858	88.58	45-155
144 Methylcyclohexane	10.000	9.858	98.58	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	10.824	108.24	73-122
$ 5 1,2-Dichloroethane	10.000	10.296	102.96	61-128
$ 6 Toluene-d8	10.000	10.479	104.79	76-110
$ 7 Bromofluorobenzene	10.000	10.606	106.06	74-116



Data File: \\qcanon04\dd\chem\MSV\a3ux15,i\C507071C.b\UXC0547.D
Date : 07-JUL-2005 10:08
Client ID:
Sample Info: ICV
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux15,i
Operator: 1754
Column diameter: 0.18

-

Calibration History

Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Start Cal Date: 15-JUN-2005 17:06
End Cal Date : 07-JUL-2005 09:45
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
15-JUN-2005 22:33	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0013.D
07-JUL-2005 09:45	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0546.D
Cal Level: 2 , Cal Amount: 10.00000		
15-JUN-2005 22:09	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0012.D
07-JUL-2005 09:22	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0545.D
Cal Level: 3 , Cal Amount: 25.00000		
15-JUN-2005 21:46	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0011.D
07-JUL-2005 08:59	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0544.D
Cal Level: 4 , Cal Amount: 50.00000		
15-JUN-2005 21:23	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0010.D
07-JUL-2005 08:35	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0543.D
Cal Level: 5 , Cal Amount: 100.00000		
15-JUN-2005 20:59	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0009.D
07-JUL-2005 08:12	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\UXC0542.D
Cal Level: 6 , Cal Amount: 200.00000		
15-JUN-2005 20:36	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50615A-IC.b\UXZ0008.D
07-JUL-2005 07:49	2-8260	

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

11-JUL-2005 07:43	2-8260	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0631.D
11-JUL-2005 07:20	3-IX	\\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0630.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0631.D
Report Date: 11-Jul-2005 07:59

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux15.i Injection Date: 11-JUL-2005 07:43
Lab File ID: UXC0631.D Init. Cal. Date(s): 15-JUN-2005 07-JUL-2005
Analysis Type: WATER Init. Cal. Times: 17:06 09:45
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.19612	0.21456	0.21456	0.010	-9.40021	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.23350	0.25477	0.25477	0.010	-9.10872	50.00000	Averaged	
$ 6 Toluene-d8	1.09231	1.13815	1.13815	0.010	-4.19651	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.38929	0.39520	0.39520	0.010	-1.51831	50.00000	Averaged	
8 Dichlorodifluoromethane	50.00000	54.19776	0.10208	0.010	-8.39553	0.000e+000	Wt Linear	
9 Chloromethane	0.16494	0.15078	0.15078	0.100	8.58507	50.00000	Averaged	
10 Vinyl Chloride	0.16181	0.16189	0.16189	0.010	-0.04637	20.00000	Averaged	
11 Bromomethane	50.00000	42.41812	0.03535	0.010	15.16375	0.000e+000	Quadratic	
12 Chloroethane	50.00000	48.93778	0.07112	0.010	2.12443	0.000e+000	Quadratic	
13 Trichlorofluoromethane	0.16714	0.21977	0.21977	0.010	-31.48506	50.00000	Averaged	
15 Acrolein	0.03024	0.02694	0.02694	0.010	10.89926	50.00000	Averaged	
16 Acetone	0.12499	0.06772	0.06772	0.010	45.82120	50.00000	Averaged	
17 1,1-Dichloroethene	0.19451	0.16306	0.16306	0.010	16.16736	20.00000	Averaged	
18 Freon-113	0.11836	0.10746	0.10746	0.010	9.20972	50.00000	Averaged	
19 Iodomethane	0.34173	0.30851	0.30851	0.010	9.72124	50.00000	Averaged	
20 Carbon Disulfide	0.72729	0.62495	0.62495	0.010	14.07144	50.00000	Averaged	
21 Methylene Chloride	50.00000	42.72345	0.24042	0.010	14.55310	0.000e+000	Wt Linear	
22 Acetonitrile	0.02556	0.02425	0.02425	0.010	5.11961	50.00000	Averaged	
23 Acrylonitrile	0.08839	0.09112	0.09112	0.010	-3.09052	50.00000	Averaged	
24 Methyl tert-butyl ether	0.64691	0.55516	0.55516	0.010	14.18267	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.25304	0.22077	0.22077	0.010	12.75270	50.00000	Averaged	
26 Hexane	0.05609	0.04155	0.04155	0.010	25.93353	20.00000	Averaged	<-
27 Vinyl acetate	0.34939	0.35055	0.35055	0.010	-0.33166	50.00000	Averaged	
28 1,1-Dichloroethane	0.46192	0.39734	0.39734	0.100	13.97904	50.00000	Averaged	
29 tert-Butyl Alcohol	0.01554	0.01265	0.01265	0.010	18.59042	50.00000	Averaged	
30 2-Butanone	0.13251	0.07957	0.07957	0.010	39.95434	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.25616	0.22041	0.22041	0.010	13.95512	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.25928	0.22005	0.22005	0.010	15.12902	50.00000	Averaged	
33 2,2-Dichloropropane	0.29388	0.25984	0.25984	0.010	11.58149	50.00000	Averaged	
34 Bromochloromethane	0.12348	0.10610	0.10610	0.010	14.06852	50.00000	Averaged	
35 Chloroform	0.40602	0.36285	0.36285	0.010	10.63298	20.00000	Averaged	
36 Tetrahydrofuran	0.06723	0.05268	0.05268	0.010	21.63415	50.00000	Averaged	
37 1,1,1-Trichloroethane	0.33686	0.30877	0.30877	0.010	8.33674	50.00000	Averaged	
38 1,1-Dichloropropene	0.30938	0.26693	0.26693	0.010	13.72042	50.00000	Averaged	
39 Carbon Tetrachloride	0.27564	0.26804	0.26804	0.010	2.75706	50.00000	Averaged	
40 1,2-Dichloroethane	0.31240	0.28017	0.28017	0.010	10.31775	50.00000	Averaged	
41 Benzene	0.93488	0.77988	0.77988	0.010	16.57959	50.00000	Averaged	
42 Trichloroethene	0.24389	0.20832	0.20832	0.010	14.58680	50.00000	Averaged	
43 1,2-Dichloropropane	0.21840	0.18866	0.18866	0.010	13.61514	20.00000	Averaged	
44 1,4-Dioxane	0.00158	0.00128	0.00128	0.010	19.32049	50.00000	Averaged	<-
45 Dibromomethane	0.11446	0.10317	0.10317	0.010	9.86056	50.00000	Averaged	
46 Bromodichloromethane	0.24942	0.22356	0.22356	0.010	10.36773	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	100	94.86446	0.09080	0.010	5.13554	0.000e+000	Wt Linear	

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0631.D
Report Date: 11-Jul-2005 07:59

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux15.i Injection Date: 11-JUL-2005 07:43
Lab File ID: UXC0631.D Init. Cal. Date(s): 15-JUN-2005 07-JUL-2005
Analysis Type: WATER Init. Cal. Times: 17:06 09:45
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	50.00000	39.77633	0.23990	0.010	20.44733	0.000e+000	Wt Linear
49 4-Methyl-2-pentanone	0.19151	0.17073	0.17073	0.010	10.85130	50.00000	Averaged
50 Toluene	1.34130	1.12144	1.12144	0.010	16.39190	20.00000	Averaged
51 trans-1,3-Dichloropropene	50.00000	38.66942	0.30577	0.010	22.66116	0.000e+000	Wt Linear
52 Ethyl Methacrylate	50.00000	38.50763	0.25846	0.010	22.98475	0.000e+000	Wt Linear
53 1,1,2-Trichloroethane	0.24118	0.21009	0.21009	0.010	12.88933	50.00000	Averaged
54 1,3-Dichloropropane	0.42254	0.35489	0.35489	0.010	16.01116	50.00000	Averaged
55 Tetrachloroethene	0.26892	0.23163	0.23163	0.010	13.86866	50.00000	Averaged
56 2-Hexanone	100	54.38285	0.13137	0.010	45.61715	0.000e+000	Wt Linear
57 Dibromochloromethane	0.25446	0.22497	0.22497	0.010	11.58820	50.00000	Averaged
58 1,2-Dibromoethane	0.23748	0.19603	0.19603	0.010	17.45222	50.00000	Averaged
59 Chlorobenzene	0.88838	0.73554	0.73554	0.300	17.20355	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.30113	0.27118	0.27118	0.010	9.94694	50.00000	Averaged
61 Ethylbenzene	0.47342	0.38496	0.38496	0.010	18.68486	20.00000	Averaged
62 m + p-Xylene	0.58975	0.49398	0.49398	0.010	16.23990	50.00000	Averaged
M 63 Xylenes (total)	0.58582	0.49342	0.49342	0.010	15.77348	50.00000	Averaged
64 Xylene-o	0.57796	0.49229	0.49229	0.010	14.82174	50.00000	Averaged
65 Styrene	0.88674	0.75854	0.75854	0.010	14.45720	50.00000	Averaged
66 Bromoform	50.00000	40.47065	0.13773	0.100	19.05871	0.000e+000	Wt Linear
67 Isopropylbenzene	1.37121	1.11292	1.11292	0.010	18.83718	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.55982	0.45920	0.45920	0.300	17.97312	50.00000	Averaged
69 1,4-Dichloro-2-butene	50.00000	38.48346	0.13147	0.010	23.03308	0.000e+000	Wt Linear
70 1,2,3-Trichloropropane	0.18650	0.15317	0.15317	0.010	17.87319	50.00000	Averaged
71 Bromobenzene	0.67524	0.55623	0.55623	0.010	17.62486	50.00000	Averaged
72 n-Propylbenzene	0.72104	0.56247	0.56247	0.010	21.99107	50.00000	Averaged
73 2-Chlorotoluene	0.64671	0.51940	0.51940	0.010	19.68553	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.09825	1.65688	1.65688	0.010	21.03529	50.00000	Averaged
75 4-Chlorotoluene	0.65393	0.54256	0.54256	0.010	17.03123	50.00000	Averaged
76 tert-Butylbenzene	1.80267	1.35503	1.35503	0.010	24.83193	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.14242	1.71819	1.71819	0.010	19.80123	50.00000	Averaged
78 sec-Butylbenzene	2.62091	1.88384	1.88384	0.010	28.12258	50.00000	Averaged
79 4-Isopropyltoluene	2.24628	1.62188	1.62188	0.010	27.79692	50.00000	Averaged
80 1,3-Dichlorobenzene	1.28558	1.01291	1.01291	0.010	21.20987	50.00000	Averaged
81 1,4-Dichlorobenzene	1.32710	1.04751	1.04751	0.010	21.06811	50.00000	Averaged
82 n-Butylbenzene	1.96292	1.35180	1.35180	0.010	31.13307	50.00000	Averaged
83 1,2-Dichlorobenzene	1.22021	0.98550	0.98550	0.010	19.23508	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.10700	0.08770	0.08770	0.010	18.04305	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.93496	0.66803	0.66803	0.010	28.54999	50.00000	Averaged
86 Hexachlorobutadiene	0.35779	0.21677	0.21677	0.010	39.41371	50.00000	Averaged
87 Naphthalene	50.00000	36.39681	1.61877	0.010	27.20639	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	0.87355	0.63074	0.63074	0.010	27.79631	50.00000	Averaged
98 Cyclohexane	0.49553	0.41706	0.41706	0.010	15.83665	50.00000	Averaged
143 Methyl Acetate	0.19658	0.18617	0.18617	0.010	5.29644	50.00000	Averaged

|_____|_____|_____|_____|____|_____|_____|_____|

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0631.D
Report Date: 11-Jul-2005 07:59

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux15.i Injection Date: 11-JUL-2005 07:43
Lab File ID: UXC0631.D Init. Cal. Date(s): 15-JUN-2005 07-JUL-2005
Analysis Type: WATER Init. Cal. Times: 17:06 09:45
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.43949	0.34565	0.34565	0.010	21.35327	50.00000	Averaged
141 1,3,5-Trichlorobenzene	1.00733	0.70004	0.70004	0.010	30.50555	50.00000	Averaged

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0631.D
Report Date: 11-Jul-2005 07:59

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0631.D
Lab Smp Id: 50NG-CC
Inj Date : 11-JUL-2005 07:43
Operator : 1754 Inst ID: a3ux15.i
Smp Info : 50NG-CC
Misc Info : C50711A,8260LLUX15,2-8260.SUB,1754,2
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	1022792	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	654825	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.566	9.566	(1.000)	372077	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.158	(0.882)	219450	50.0000	54.700
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	260578	50.0000	54.554
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	745288	50.0000	52.098
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	258786	50.0000	50.759
8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	104404	50.0000	54.198
9 Chloromethane	50	1.312	1.312	(0.278)	154220	50.0000	45.707
10 Vinyl Chloride	62	1.407	1.407	(0.298)	165575	50.0000	50.023
11 Bromomethane	94	1.644	1.644	(0.349)	36160	50.0000	42.418
12 Chloroethane	64	1.715	1.715	(0.364)	72745	50.0000	48.938
13 Trichlorofluoromethane	101	1.893	1.893	(0.402)	224774	50.0000	65.742
15 Acrolein	56	2.225	2.225	(0.472)	275588	500.000	445.50
16 Acetone	43	2.356	2.356	(0.500)	138527	100.000	54.179
17 1,1-Dichloroethene	96	2.308	2.308	(0.490)	166779	50.0000	41.916
18 Freon-113	151	2.344	2.344	(0.497)	109912	50.0000	45.395
19 Iodomethane	142	2.427	2.427	(0.515)	315544	50.0000	45.139
20 Carbon Disulfide	76	2.486	2.486	(0.527)	639196	50.0000	42.964

21 Methylene Chloride	84	2.711	2.711 (0.575)	245901	50.0000	42.723
22 Acetonitrile	41	2.581	2.581 (0.547)	248040	500.000	474.40
23 Acrylonitrile	53	2.901	2.901 (0.615)	931970	500.000	515.45

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0631.D
Report Date: 11-Jul-2005 07:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
24	Methyl tert-butyl ether	73	2.949	2.949	(0.625)	567813	50.0000	42.909
25	trans-1,2-Dichloroethene	96	2.937	2.937	(0.623)	225802	50.0000	43.624
26	Hexane	86	3.174	3.174	(0.673)	42492	50.0000	37.033
27	Vinyl acetate	43	3.328	3.328	(0.706)	358537	50.0000	50.166
28	1,1-Dichloroethane	63	3.281	3.281	(0.696)	406400	50.0000	43.010
29	tert-Butyl Alcohol	59	2.830	2.830	(0.600)	258847	1000.00	814.10
30	2-Butanone	43	3.767	3.767	(0.799)	162766	100.000	60.046
M 31	1,2-Dichloroethene (total)	96				450870	100.000	86.059
32	cis-1,2-dichloroethene	96	3.755	3.755	(0.796)	225068	50.0000	42.435
33	2,2-Dichloropropane	77	3.755	3.755	(0.796)	265764	50.0000	44.209
34	Bromochloromethane	128	3.957	3.957	(0.839)	108523	50.0000	42.966
35	Chloroform	83	4.028	4.028	(0.854)	371119	50.0000	44.684
36	Tetrahydrofuran	42	4.004	4.004	(0.849)	53885	50.0000	39.183
37	1,1,1-Trichloroethane	97	4.170	4.170	(0.884)	315810	50.0000	45.832
38	1,1-Dichloropropene	75	4.312	4.312	(0.915)	273013	50.0000	43.140
39	Carbon Tetrachloride	117	4.312	4.312	(0.915)	274146	50.0000	48.621
40	1,2-Dichloroethane	62	4.490	4.490	(0.952)	286552	50.0000	44.841
41	Benzene	78	4.478	4.478	(0.950)	797658	50.0000	41.710
42	Trichloroethene	130	5.024	5.024	(1.065)	213064	50.0000	42.706
43	1,2-Dichloropropane	63	5.202	5.202	(1.103)	192962	50.0000	43.192
44	1,4-Dioxane	88	5.332	5.332	(1.131)	65237	2500.00	2017.0(A)
45	Dibromomethane	93	5.308	5.308	(1.126)	105524	50.0000	45.070
46	Bromodichloromethane	83	5.439	5.439	(1.153)	228659	50.0000	44.816
47	2-Chloroethyl vinyl ether	63	5.700	5.700	(1.209)	185733	100.000	94.864
48	cis-1,3-Dichloropropene	75	5.830	5.830	(1.236)	245372	50.0000	39.776
49	4-Methyl-2-pentanone	43	5.961	5.961	(1.264)	349238	100.000	89.149
50	Toluene	91	6.115	6.115	(0.832)	734345	50.0000	41.804
51	trans-1,3-Dichloropropene	75	6.316	6.316	(0.860)	200223	50.0000	38.669
52	Ethyl Methacrylate	69	6.399	6.399	(0.871)	169246	50.0000	38.508
53	1,1,2-Trichloroethane	97	6.471	6.471	(0.881)	137573	50.0000	43.555
54	1,3-Dichloropropane	76	6.625	6.625	(0.902)	232389	50.0000	41.994
55	Tetrachloroethene	164	6.613	6.613	(0.900)	151675	50.0000	43.066
56	2-Hexanone	43	6.696	6.696	(0.911)	172043	100.000	54.383
57	Dibromochloromethane	129	6.826	6.826	(0.929)	147317	50.0000	44.206
58	1,2-Dibromoethane	107	6.921	6.921	(0.942)	128366	50.0000	41.274
59	Chlorobenzene	112	7.372	7.372	(1.003)	481652	50.0000	41.398
60	1,1,1,2-Tetrachloroethane	131	7.455	7.455	(1.015)	177573	50.0000	45.026
61	Ethylbenzene	106	7.478	7.478	(1.018)	252084	50.0000	40.658
62	m + p-Xylene	106	7.585	7.585	(1.032)	646936	100.000	83.760
M 63	Xylenes (total)	106				969303	150.000	126.35
64	Xylene-o	106	7.953	7.953	(1.082)	322367	50.0000	42.589
65	Styrene	104	7.965	7.965	(1.084)	496710	50.0000	42.771
66	Bromoform	173	8.143	8.143	(1.108)	90191	50.0000	40.471
67	Isopropylbenzene	105	8.309	8.309	(1.131)	728765	50.0000	40.581
68	1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	170859	50.0000	41.013
69	1,4-Dichloro-2-butene	53	8.641	8.641	(0.903)	48917	50.0000	38.483
70	1,2,3-Trichloropropane	110	8.629	8.629	(0.902)	56991	50.0000	41.063
71	Bromobenzene	156	8.593	8.593	(0.898)	206959	50.0000	41.188
72	n-Propylbenzene	120	8.700	8.700	(0.910)	209284	50.0000	39.004
73	2-Chlorotoluene	126	8.783	8.783	(0.918)	193258	50.0000	40.157
74	1,3,5-Trimethylbenzene	105	8.878	8.878	(0.928)	616486	50.0000	39.482
75	4-Chlorotoluene	126	8.878	8.878	(0.928)	201873	50.0000	41.484

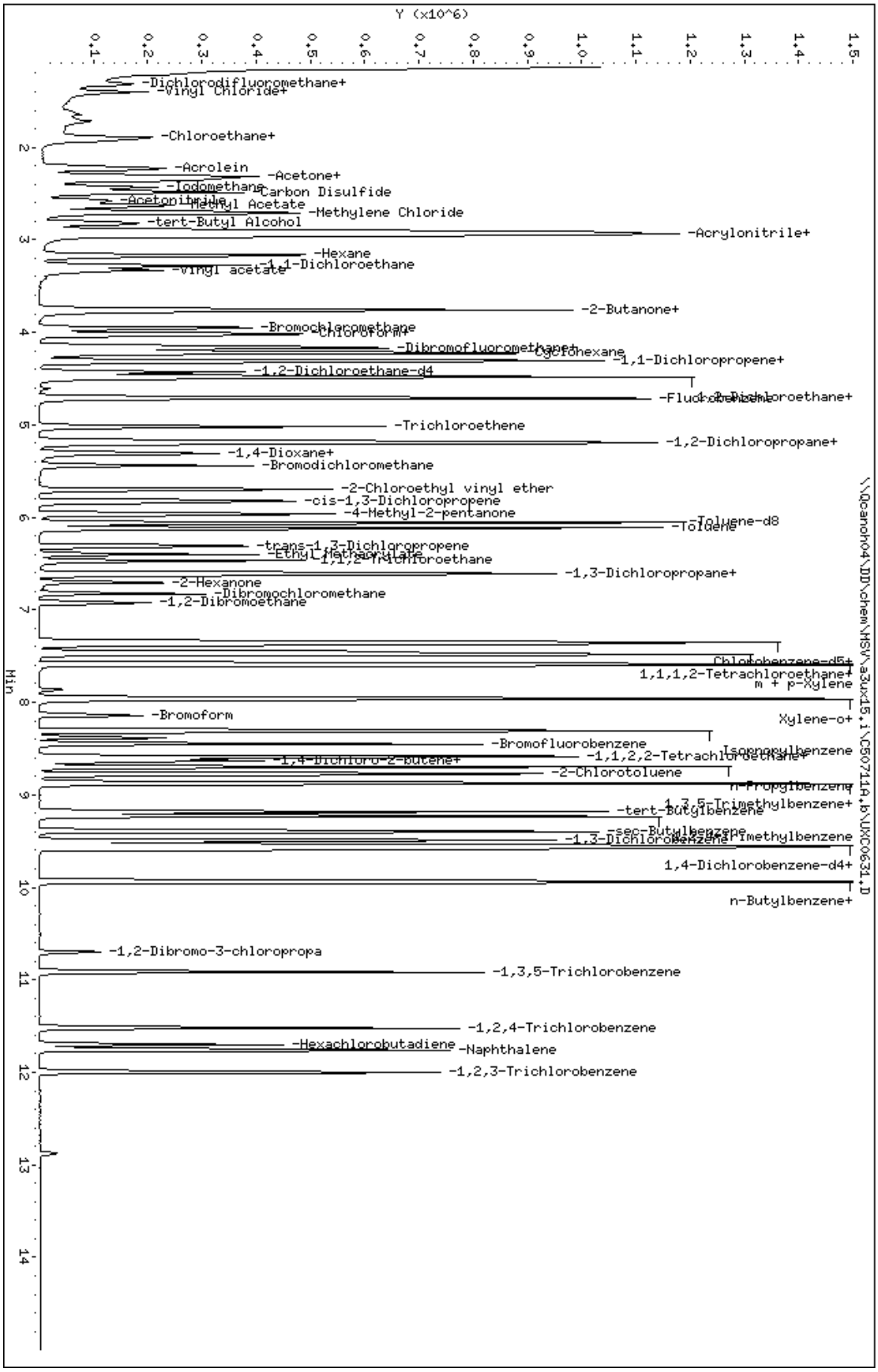
76 tert-Butylbenzene	119	9.186	9.186 (0.960)	504177	50.0000	37.584
77 1,2,4-Trimethylbenzene	105	9.234	9.234 (0.965)	639300	50.0000	40.099

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0631.D
Report Date: 11-Jul-2005 07:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
78 sec-Butylbenzene	105	9.400	9.400	(0.983)	700934	50.0000	35.939
79 4-Isopropyltoluene	119	9.542	9.542	(0.998)	603465	50.0000	36.102
80 1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	376880	50.0000	39.395
81 1,4-Dichlorobenzene	146	9.577	9.577	(1.001)	389754	50.0000	39.466
82 n-Butylbenzene	91	9.933	9.933	(1.038)	502975	50.0000	34.433
83 1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	366683	50.0000	40.382
84 1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	32630	50.0000	40.978
85 1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	248558	50.0000	35.725
86 Hexachlorobutadiene	225	11.700	11.700	(1.223)	80655	50.0000	30.293
87 Naphthalene	128	11.759	11.759	(1.229)	602308	50.0000	36.397
88 1,2,3-Trichlorobenzene	180	11.997	11.997	(1.254)	234682	50.0000	36.102
98 Cyclohexane	56	4.217	4.217	(0.894)	426564	50.0000	42.082
143 Methyl Acetate	43	2.628	2.628	(0.557)	380828	100.000	94.704(A)
144 Methylcyclohexane	83	5.190	5.190	(1.101)	353524	50.0000	39.323(A)
141 1,3,5-Trichlorobenzene	180	10.917	10.917	(1.141)	260467	50.0000	34.747(A)

QC Flag Legend

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



Data File: \\Qcanoh04\DD\chem\MSV\a3ux15,i\C50711A,b\UXC0631.D
Date : 11-JUL-2005 07:43
Client ID:
Sample Info: 50NG-CC
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux15,i
Operator: 1754
Column diameter: 0.18

RAW QC DATA

STL - North Canton

Data file : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\BFB178.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 22-JUN-2005 09:45
Operator : 43582 Inst ID: a3ux11.i
Smp Info :
Misc Info : J50622A-IC,BFBUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\BFBUX11.m
Meth Date : 09-Dec-2004 10:39 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.436	3.449	-0.013	95	412416			100.00- 100.00	100.00
3.436	3.449	-0.013	50	72320			15.00- 40.00	17.54
3.436	3.449	-0.013	75	191808			30.00- 60.00	46.51
3.436	3.449	-0.013	96	24832			5.00- 9.00	6.02
3.436	3.449	-0.013	173	2063			0.00- 2.00	0.58
3.436	3.449	-0.013	174	354176			50.00- 100.00	85.88
3.436	3.449	-0.013	175	24968			5.00- 9.00	7.05
3.436	3.449	-0.013	176	342336			95.00- 101.00	96.66
3.436	3.449	-0.013	177	22568			5.00- 9.00	6.59

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\BFB178.D Page 1

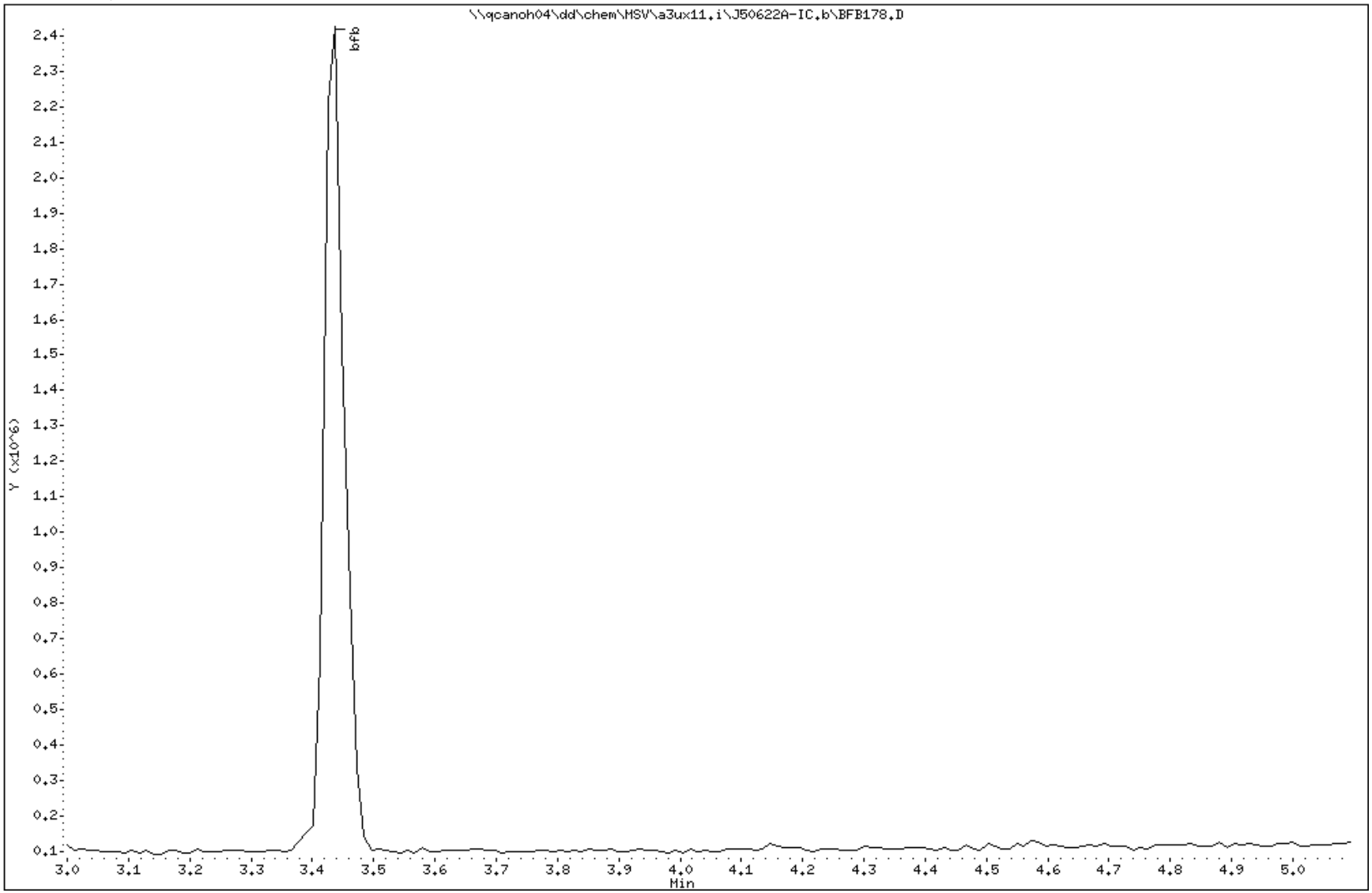
Date : 22-JUN-2005 09:45

Client ID: 50NG BFB Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 43582

Column phase: DB624 20M Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50622A-IC.b\BFB178.D

Date : 22-JUN-2005 09:45

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

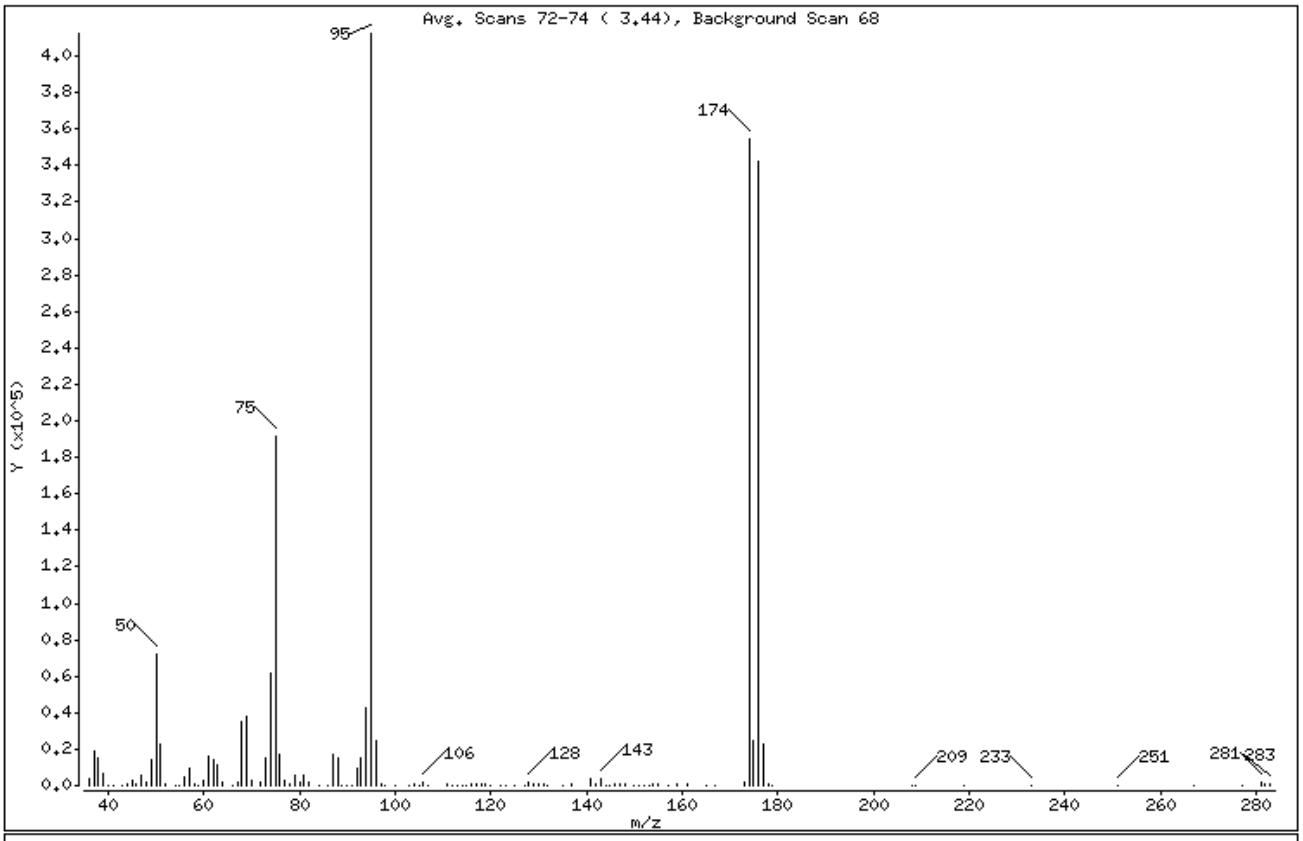
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.54
75	30.00 - 60.00% of mass 95	46.51
96	5.00 - 9.00% of mass 95	6.02
173	Less than 2.00% of mass 174	0.50 (0.58)
174	50.00 - 100.00% of mass 95	85.88
175	5.00 - 9.00% of mass 174	6.05 (7.05)
176	95.00 - 101.00% of mass 174	83.01 (96.66)
177	5.00 - 9.00% of mass 176	5.47 (6.59)

Date : 22-JUN-2005 09:45

Client ID: 50NG BFB Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 43582

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB178.D
Spectrum: Avg. Scans 72-74 (3.44), Background Scan 68
Location of Maximum: 95.00
Number of points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3764	70.00	3054	107.00	391	151.00	190
37.00	18792	72.00	1688	111.00	664	152.00	195
38.00	14905	73.00	15129	112.00	238	153.00	249
39.00	7000	74.00	61736	113.00	235	154.00	532
40.00	301	75.00	191808	114.00	167	155.00	1028
41.00	50	76.00	17088	115.00	358	157.00	303
43.00	25	77.00	2387	116.00	1180	159.00	650
44.00	994	78.00	597	117.00	1188	161.00	898
45.00	2764	79.00	5378	118.00	1234	165.00	189
46.00	521	80.00	1932	119.00	1318	167.00	207
47.00	5613	81.00	5979	120.00	259	173.00	2063
48.00	2167	82.00	1998	122.00	175	174.00	354176
49.00	14399	84.00	294	123.00	215	175.00	24968
50.00	72320	86.00	289	125.00	120	176.00	342336
51.00	22480	87.00	17520	127.00	187	177.00	22568
52.00	776	88.00	14751	128.00	1889	178.00	858
54.00	180	89.00	183	129.00	881	179.00	385
55.00	324	90.00	362	130.00	1383	208.00	104
56.00	4573	91.00	11	131.00	566	209.00	262
57.00	9589	92.00	9588	132.00	220	219.00	185
58.00	569	93.00	14981	135.00	462	233.00	212
59.00	163	94.00	42456	137.00	920	251.00	325
60.00	2837	95.00	412416	141.00	3368	267.00	185
61.00	16329	96.00	24832	142.00	484	277.00	165
62.00	14068	97.00	581	143.00	4151	281.00	2207
63.00	11443	98.00	210	144.00	176	282.00	689
64.00	1443	100.00	185	145.00	319	283.00	892
66.00	199	103.00	264	146.00	683		
67.00	1467	104.00	1201	147.00	582		
68.00	34904	105.00	162	148.00	1091		
69.00	37712	106.00	1587	150.00	419		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\BFB0199.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 08-JUL-2005 07:13
Operator : 43582 Inst ID: a3ux11.i
Smp Info :
Misc Info : J50708A,BFBUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\BFBUX11.m
Meth Date : 09-Dec-2004 10:39 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 57 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.436	3.449	-0.013	95	404352			100.00- 100.00	100.00
3.436	3.449	-0.013	50	90536			15.00- 40.00	22.39
3.436	3.449	-0.013	75	202880			30.00- 60.00	50.17
3.436	3.449	-0.013	96	27352			5.00- 9.00	6.76
3.436	3.449	-0.013	173	1774			0.00- 2.00	0.55
3.436	3.449	-0.013	174	323840			50.00- 100.00	80.09
3.436	3.449	-0.013	175	20048			5.00- 9.00	6.19
3.436	3.449	-0.013	176	309504			95.00- 101.00	95.57
3.436	3.449	-0.013	177	22656			5.00- 9.00	7.32

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\BFB199.D Page 1

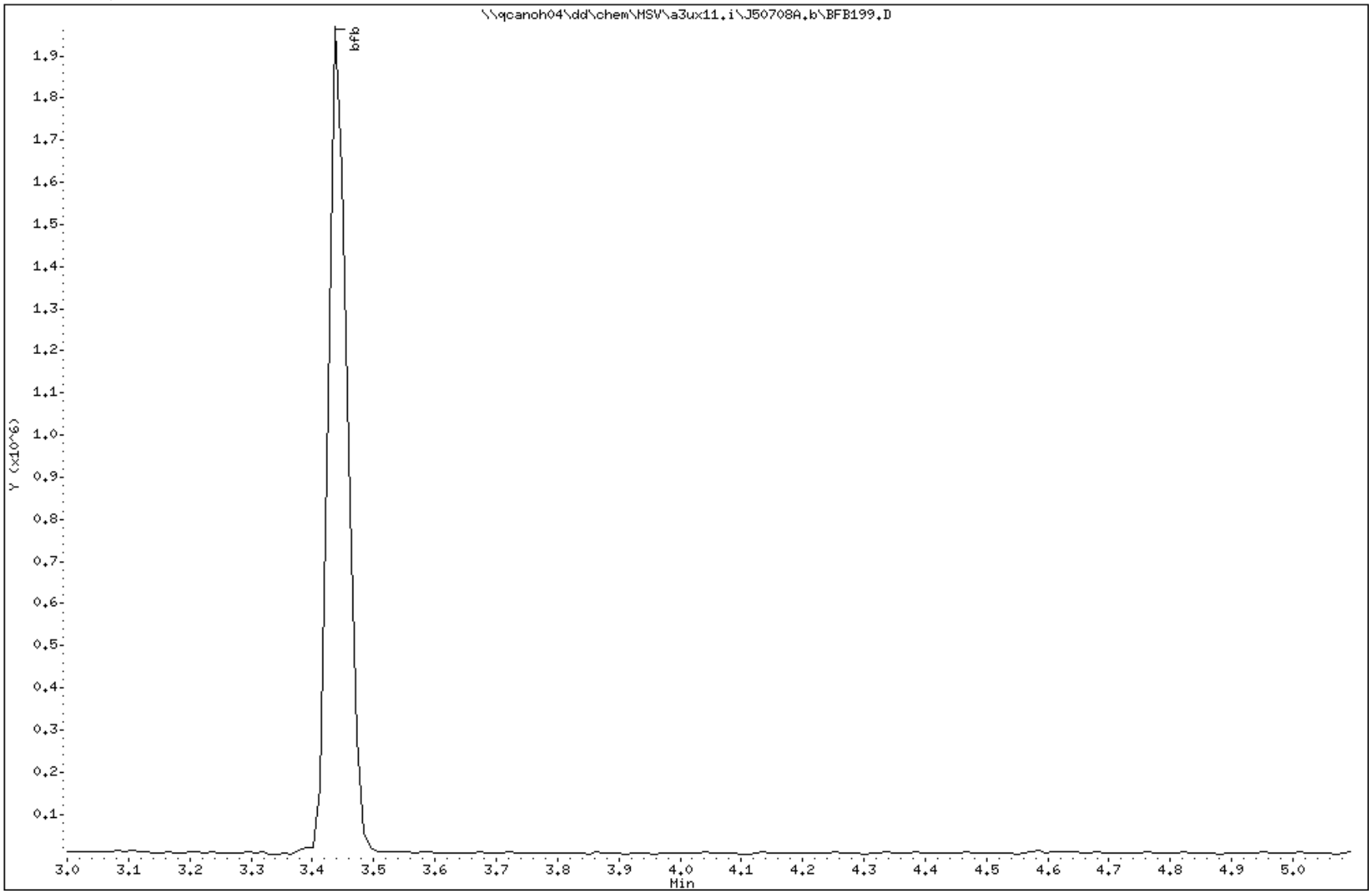
Date : 08-JUL-2005 07:13

Client ID: 50NG BFB Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 43582

Column phase: DB624 20M Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\BFB199.D

Date : 08-JUL-2005 07:13

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

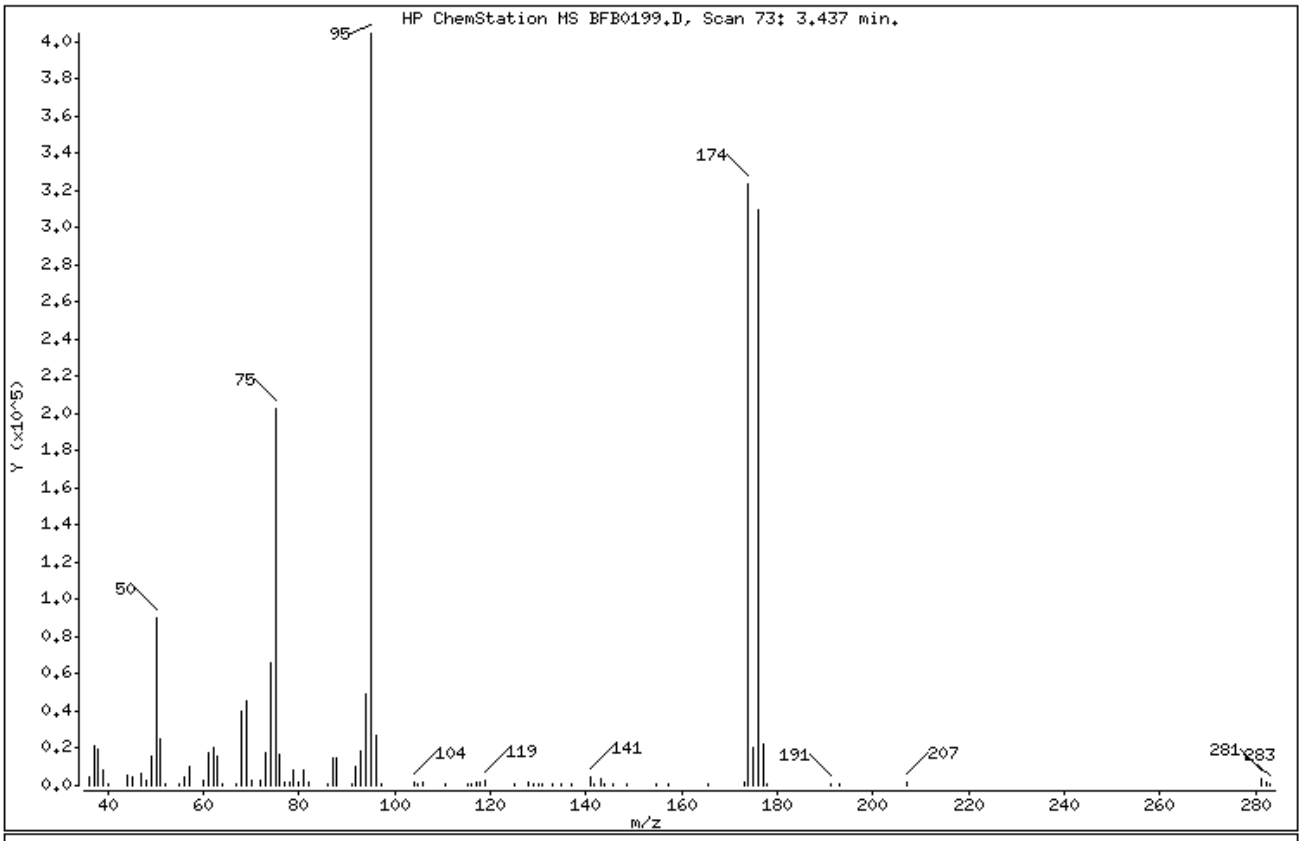
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.39
75	30.00 - 60.00% of mass 95	50.17
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.44 (0.55)
174	50.00 - 100.00% of mass 95	80.09
175	5.00 - 9.00% of mass 174	4.96 (6.19)
176	95.00 - 101.00% of mass 174	76.54 (95.57)
177	5.00 - 9.00% of mass 176	5.60 (7.32)

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\BFB199.D

Date : 08-JUL-2005 07:13

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB199.D
Spectrum: HP ChemStation MS BFB0199.D, Scan 73: 3.437 min.
Location of Maximum: 95.10
Number of points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	4925	68.10	40024	96.10	27352	141.70	563
37.10	21112	69.10	45408	97.10	708	143.00	3361
38.10	19432	70.00	2830	104.00	1991	143.90	635
39.10	8804	72.00	2377	104.90	620	145.80	502
40.10	1389	73.10	17304	106.00	1704	148.70	593
44.10	5643	74.10	65568	110.80	656	154.80	1088
45.10	4431	75.10	202880	115.20	728	157.10	667
47.10	6419	76.10	17184	116.00	1344	165.70	599
48.00	3114	77.10	2210	117.10	1684	173.10	1774
49.10	16257	78.10	1819	118.00	1908	174.00	323840
50.10	90536	79.00	8810	118.90	2420	175.00	20048
51.10	25224	80.00	1670	125.10	967	176.00	309504
52.10	1155	81.00	8410	127.90	1667	177.00	22656
54.90	1332	82.00	1943	128.10	1605	177.90	590
56.10	4851	86.10	815	129.10	829	191.10	990
57.10	10216	87.00	14663	130.00	1314	193.10	893
60.00	3169	88.00	14930	131.00	578	207.00	1529
61.10	18088	91.00	951	132.90	550	281.10	3905
62.10	20640	92.00	10474	133.10	538	282.30	1918
63.10	16194	93.10	18496	135.00	626	283.10	923
64.10	1256	94.10	49624	136.90	954		
67.00	973	95.10	404352	140.90	4341		

STL - North Canton

Data file : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\BFB200.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 11-JUL-2005 11:02
Operator : 43582 Inst ID: a3ux11.i
Smp Info :
Misc Info : J50711A,BFBUX11,,43582
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\BFBUX11.m
Meth Date : 09-Dec-2004 10:39 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 6 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.425	3.449	-0.024	95	829824			100.00- 100.00	100.00
3.425	3.449	-0.024	50	170176			15.00- 40.00	20.51
3.425	3.449	-0.024	75	406592			30.00- 60.00	49.00
3.425	3.449	-0.024	96	51656			5.00- 9.00	6.22
3.425	3.449	-0.024	173	3391			0.00- 2.00	0.52
3.425	3.449	-0.024	174	647552			50.00- 100.00	78.03
3.425	3.449	-0.024	175	44760			5.00- 9.00	6.91
3.425	3.449	-0.024	176	629184			95.00- 101.00	97.16
3.425	3.449	-0.024	177	42392			5.00- 9.00	6.74

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\BFB200.D

Page 1

Date : 11-JUL-2005 11:02

Client ID: 50NG BFB

Instrument: a3ux11.i

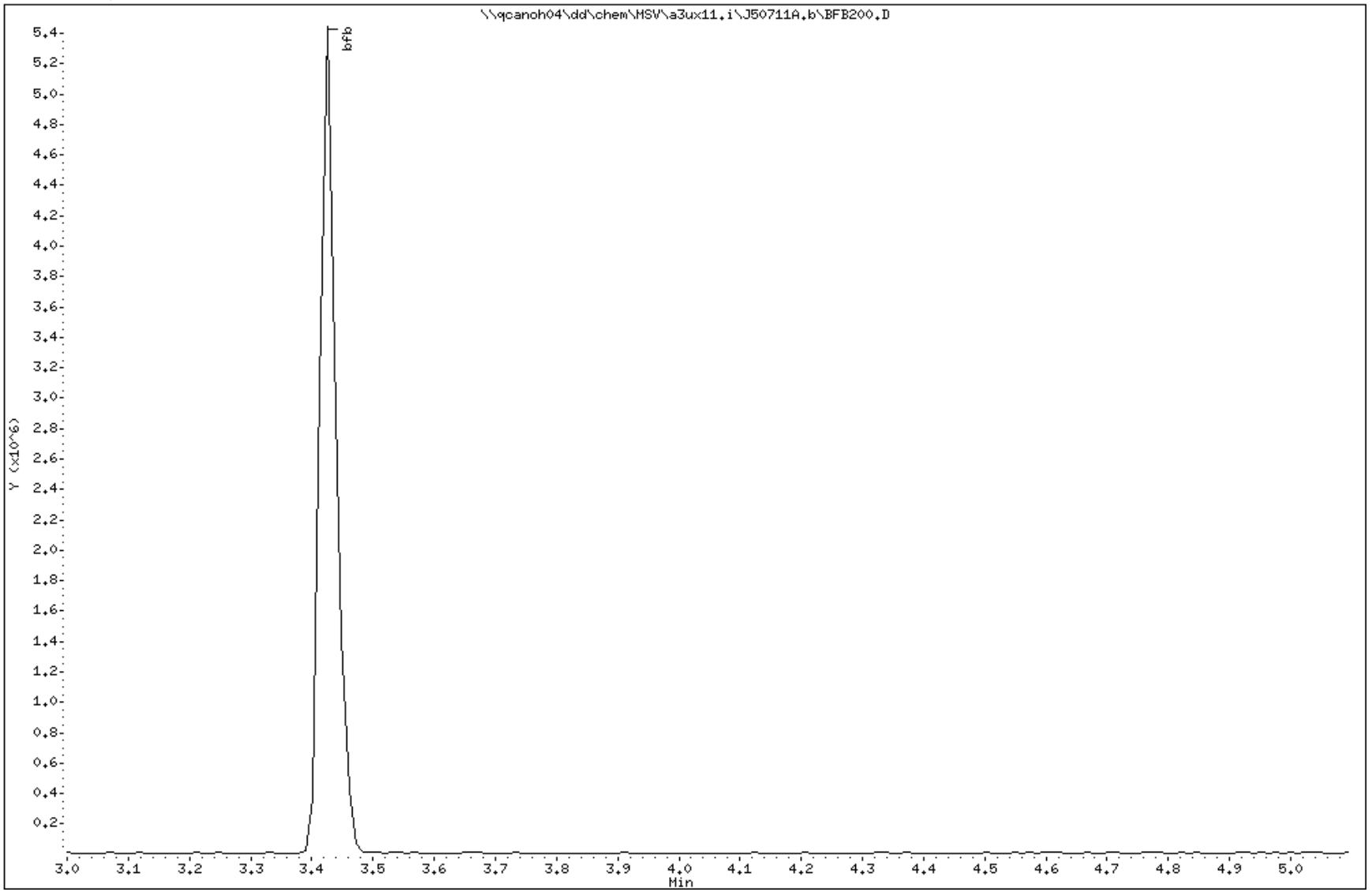
Sample Info:

Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\BFB200.D

Date : 11-JUL-2005 11:02

Client ID: 50NG BFB

Instrument: a3ux11.i

Sample Info:

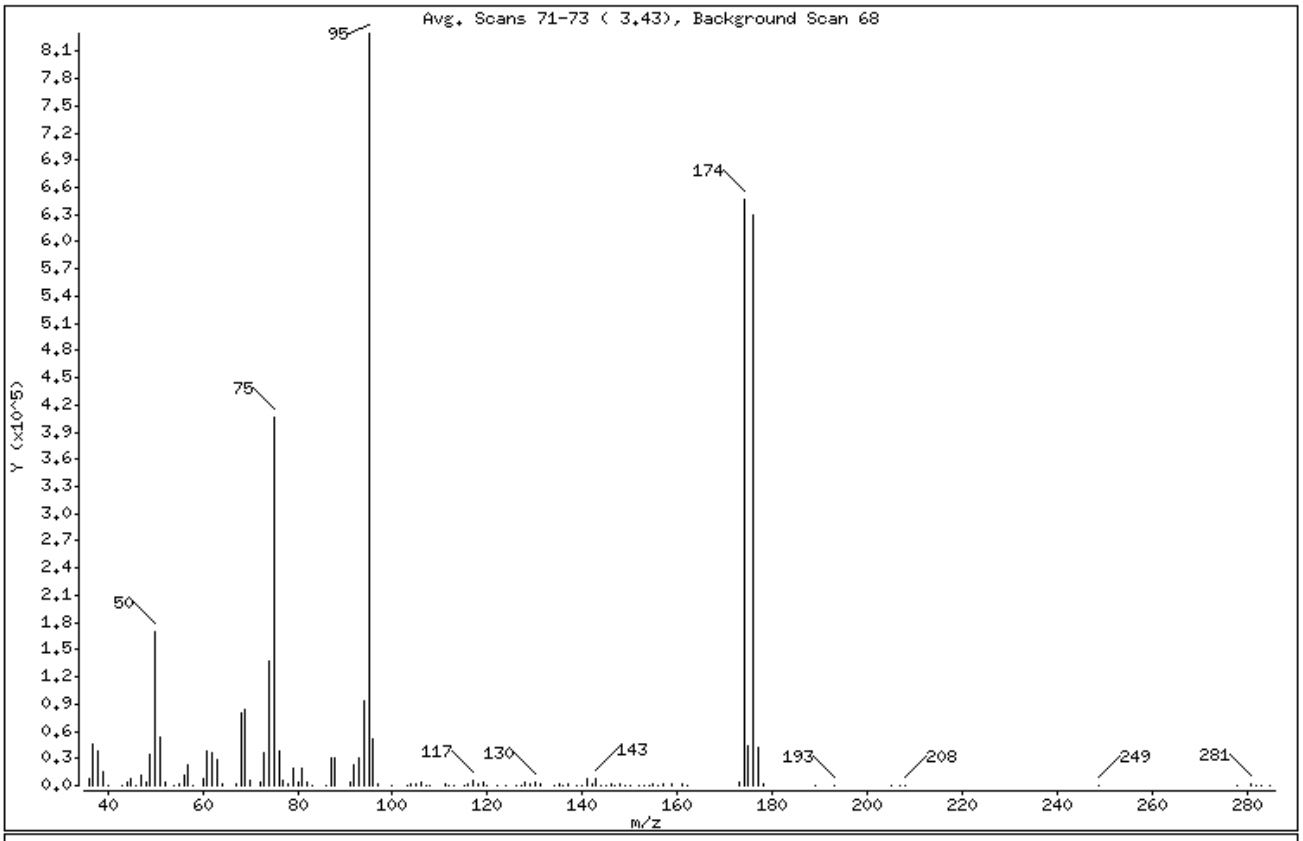
Volume Injected (uL): 1.0

Operator: 43582

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.51
75	30.00 - 60.00% of mass 95	49.00
96	5.00 - 9.00% of mass 95	6.22
173	Less than 2.00% of mass 174	0.41 (0.52)
174	50.00 - 100.00% of mass 95	78.03
175	5.00 - 9.00% of mass 174	5.39 (6.91)
176	95.00 - 101.00% of mass 174	75.82 (97.16)
177	5.00 - 9.00% of mass 176	5.11 (6.74)

Date : 11-JUL-2005 11:02

Client ID: 50NG BFB Instrument: a3ux11.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 43582

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB200.D
Spectrum: Avg. Scans 71-73 (3.43), Background Scan 68
Location of Maximum: 95.00
Number of points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8043	73.00	36792	113.00	534	150.00	894
37.00	45792	74.00	136896	115.00	779	152.00	607
38.00	38032	75.00	406592	116.00	2840	153.00	229
39.00	14404	76.00	38056	117.00	5178	154.00	467
40.00	373	77.00	4781	118.00	2603	155.00	1809
43.00	581	78.00	2843	119.00	3712	156.00	217
44.00	3842	79.00	18840	120.00	173	157.00	1282
45.00	7587	80.00	4470	122.00	196	159.00	1267
46.00	202	81.00	18376	124.00	565	161.00	958
47.00	11827	82.00	3111	126.00	227	162.00	166
48.00	4303	83.00	601	127.00	247	173.00	3391
49.00	35016	86.00	653	128.00	3021	174.00	647552
50.00	170176	87.00	30704	129.00	1670	175.00	44760
51.00	52968	88.00	30968	130.00	3446	176.00	629184
52.00	2869	91.00	2896	131.00	1124	177.00	42392
54.00	209	92.00	21992	134.00	237	178.00	1179
55.00	1822	93.00	30848	135.00	1361	189.00	170
56.00	11207	94.00	94224	136.00	210	193.00	587
57.00	22816	95.00	829824	137.00	1358	205.00	174
58.00	473	96.00	51656	139.00	422	207.00	24
60.00	8026	97.00	1822	140.00	398	208.00	371
61.00	37568	100.00	171	141.00	6842	249.00	398
62.00	36616	103.00	424	142.00	972	278.00	190
63.00	27744	104.00	2829	143.00	7060	281.00	1176
64.00	2269	105.00	1085	144.00	225	282.00	111
67.00	2369	106.00	3110	145.00	846	283.00	389
68.00	79608	107.00	557	146.00	1024	285.00	174
69.00	83872	108.00	197	147.00	600		
70.00	6674	111.00	984	148.00	1856		
72.00	4613	112.00	857	149.00	298		

STL North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\BFB024.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 07-JUL-2005 07:04
Operator : 1754 Inst ID: a3ux15.i
Smp Info :
Misc Info : C50707IC,BFBUX15,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\BFBUX15.m
Meth Date : 13-Jun-2005 14:03 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 30 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.009	3.022	-0.013	95	57936			100.00- 100.00	100.00
3.009	3.022	-0.013	50	12580			15.00- 40.00	21.71
3.009	3.022	-0.013	75	28160			30.00- 60.00	48.61
3.009	3.022	-0.013	96	4126			5.00- 9.00	7.12
3.009	3.022	-0.013	173	0	0.0	0.0	0.00- 2.00	0.00
3.009	3.022	-0.013	174	34216			50.00- 100.00	59.06
3.009	3.022	-0.013	175	2806			5.00- 9.00	8.20
3.009	3.022	-0.013	176	32848			95.00- 101.00	96.00
3.009	3.022	-0.013	177	2042			5.00- 9.00	6.22

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\BFB024.D Page 1

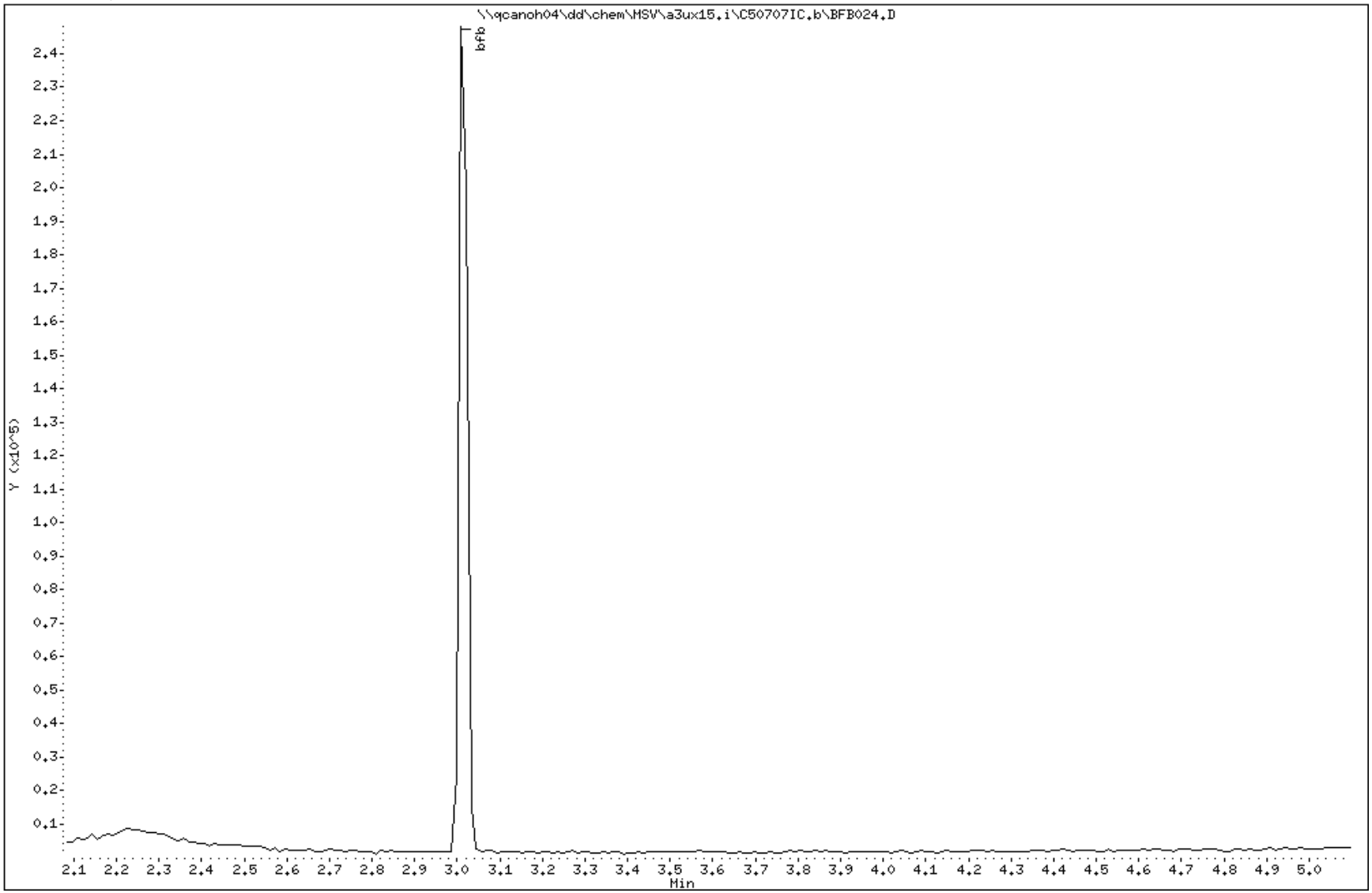
Date : 07-JUL-2005 07:04

Client ID: 50NG BFB Instrument: a3ux15.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1754

Column phase: DB624 20M Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\BFB024.D

Date : 07-JUL-2005 07:04

Client ID: 50NG BFB

Instrument: a3ux15.i

Sample Info:

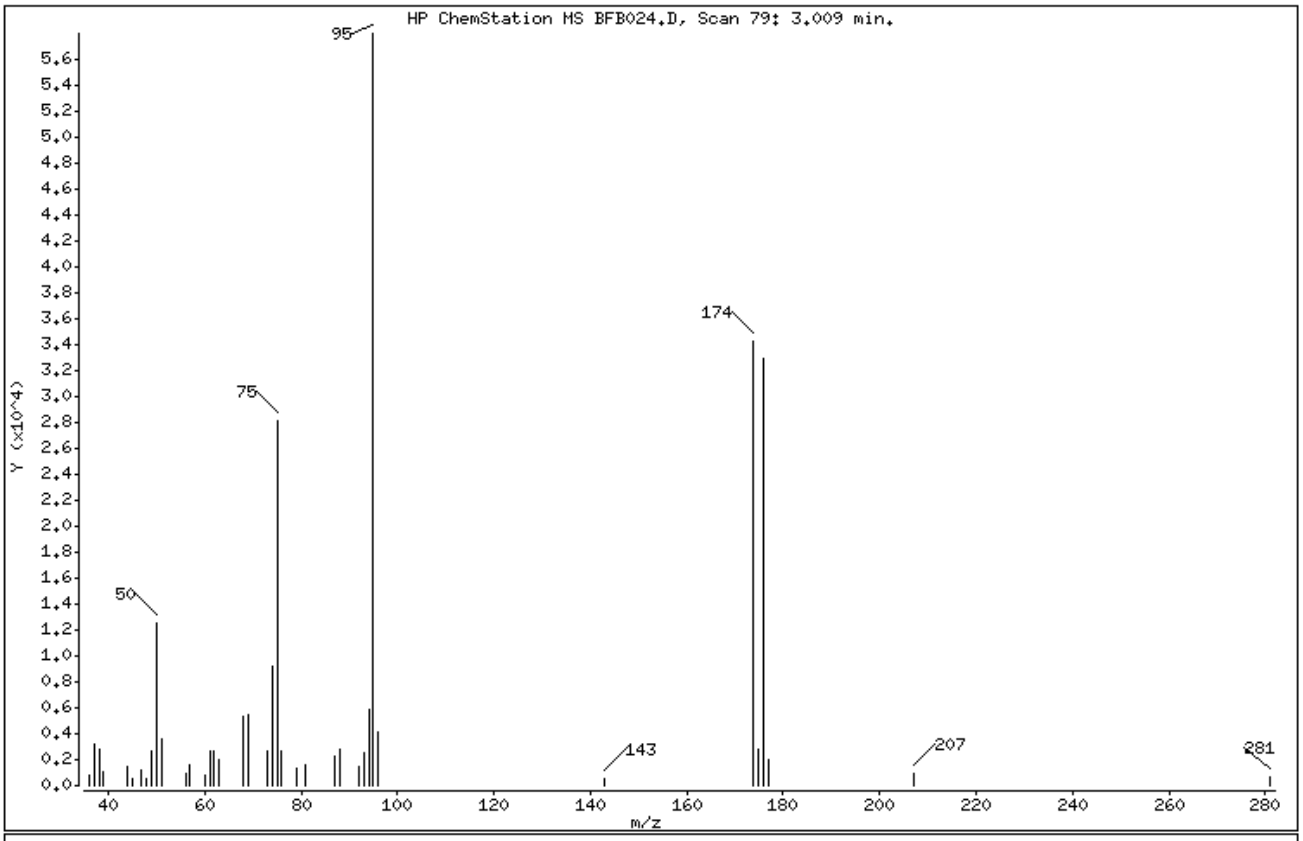
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.71
75	30.00 - 60.00% of mass 95	48.61
96	5.00 - 9.00% of mass 95	7.12
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	59.06
175	5.00 - 9.00% of mass 174	4.84 (8.20)
176	95.00 - 101.00% of mass 174	56.70 (96.00)
177	5.00 - 9.00% of mass 176	3.52 (6.22)

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50707IC.b\BFB024.D

Date : 07-JUL-2005 07:04

Client ID: 50NG BFB

Instrument: a3ux15.i

Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20M

Column diameter: 0.18

Data File: BFB024.D
Spectrum: HP ChemStation MS BFB024.D, Scan 79: 3.009 min.
Location of Maximum: 95.00
Number of points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	822	51.10	3565	74.00	9149	95.00	57936
37.10	3198	56.00	923	75.00	28160	96.00	4126
38.10	2782	57.00	1539	76.00	2642	142.90	512
39.00	1089	60.00	816	79.00	1375	173.90	34216
44.00	1442	61.00	2608	81.00	1546	174.90	2806
45.00	510	62.00	2610	87.00	2306	175.90	32848
47.00	1248	63.00	1999	88.00	2804	177.00	2042
48.00	529	68.00	5385	92.00	1461	207.00	894
49.00	2639	69.00	5476	93.00	2502	281.00	611
50.00	12580	73.00	2600	94.00	5825		

STL - North Canton

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\BFB027.D
Lab Smp Id: 50ng bfb Client Smp ID: 50NG BFB
Inj Date : 11-JUL-2005 06:58
Operator : 1754 Inst ID: a3ux15.i
Smp Info :
Misc Info : C50711A,BFBUX15,,1754
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\BFBUX15.m
Meth Date : 13-Jun-2005 14:03 Quant Type: ESTD
Cal Date : 01-MAR-2000 19:29 Cal File: uxx0287.d
Als bottle: 30 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: QCANOH05

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.009	3.022	-0.013	95	31216			100.00- 100.00	100.00
3.009	3.022	-0.013	50	6513			15.00- 40.00	20.86
3.009	3.022	-0.013	75	15362			30.00- 60.00	49.21
3.009	3.022	-0.013	96	2076			5.00- 9.00	6.65
3.009	3.022	-0.013	173	183			0.00- 2.00	0.69
3.009	3.022	-0.013	174	26368			50.00- 100.00	84.47
3.009	3.022	-0.013	175	1787			5.00- 9.00	6.78
3.009	3.022	-0.013	176	25624			95.00- 101.00	97.18
3.009	3.022	-0.013	177	1578			5.00- 9.00	6.16

Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\BFB027.D

Page 1

Date : 11-JUL-2005 06:58

Client ID: 50NG BFB

Instrument: a3ux15.i

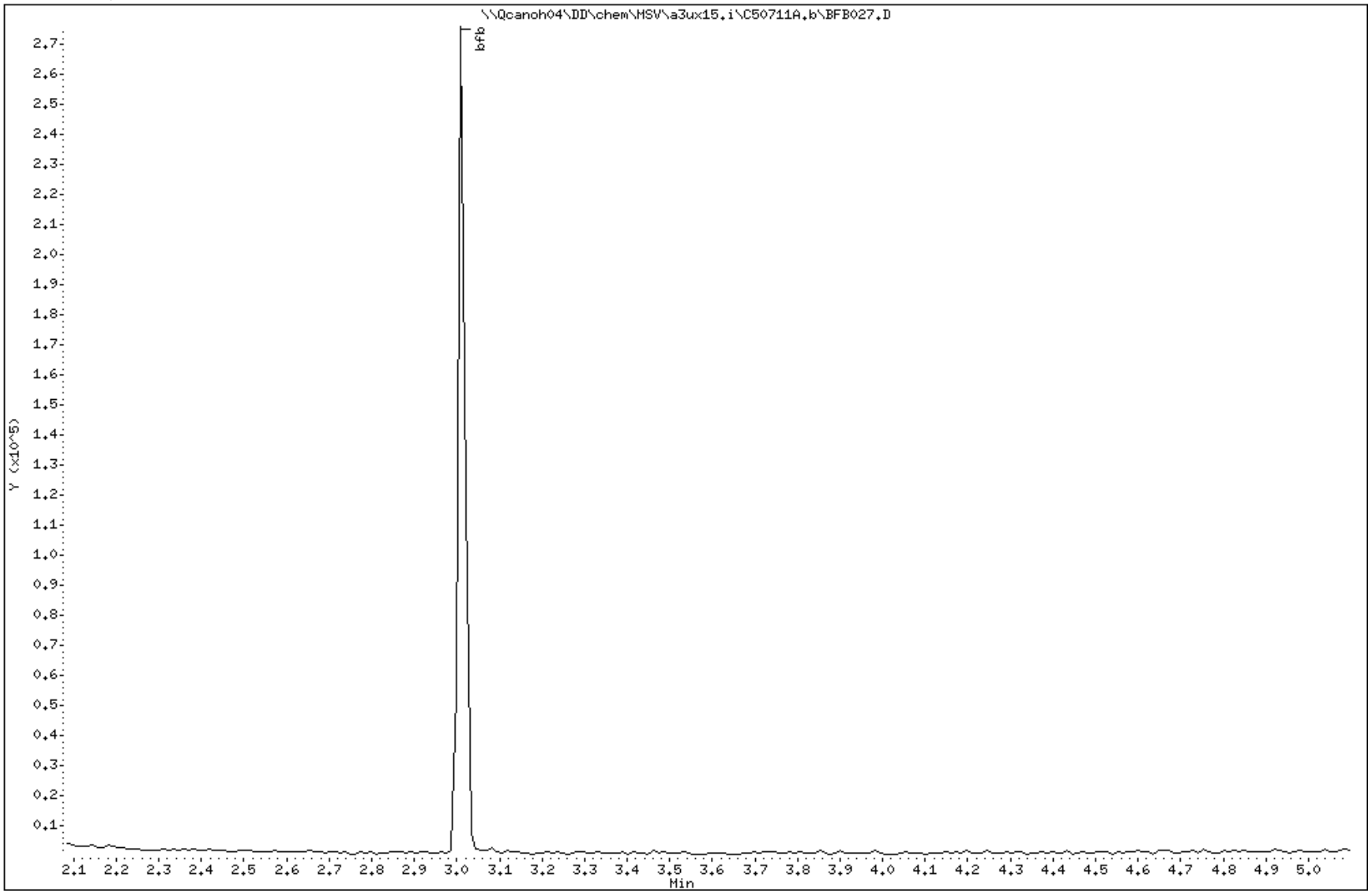
Sample Info:

Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20M

Column diameter: 0.18



Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\BFB027.D

Date : 11-JUL-2005 06:58

Client ID: 50NG BFB

Instrument: a3ux15.i

Sample Info:

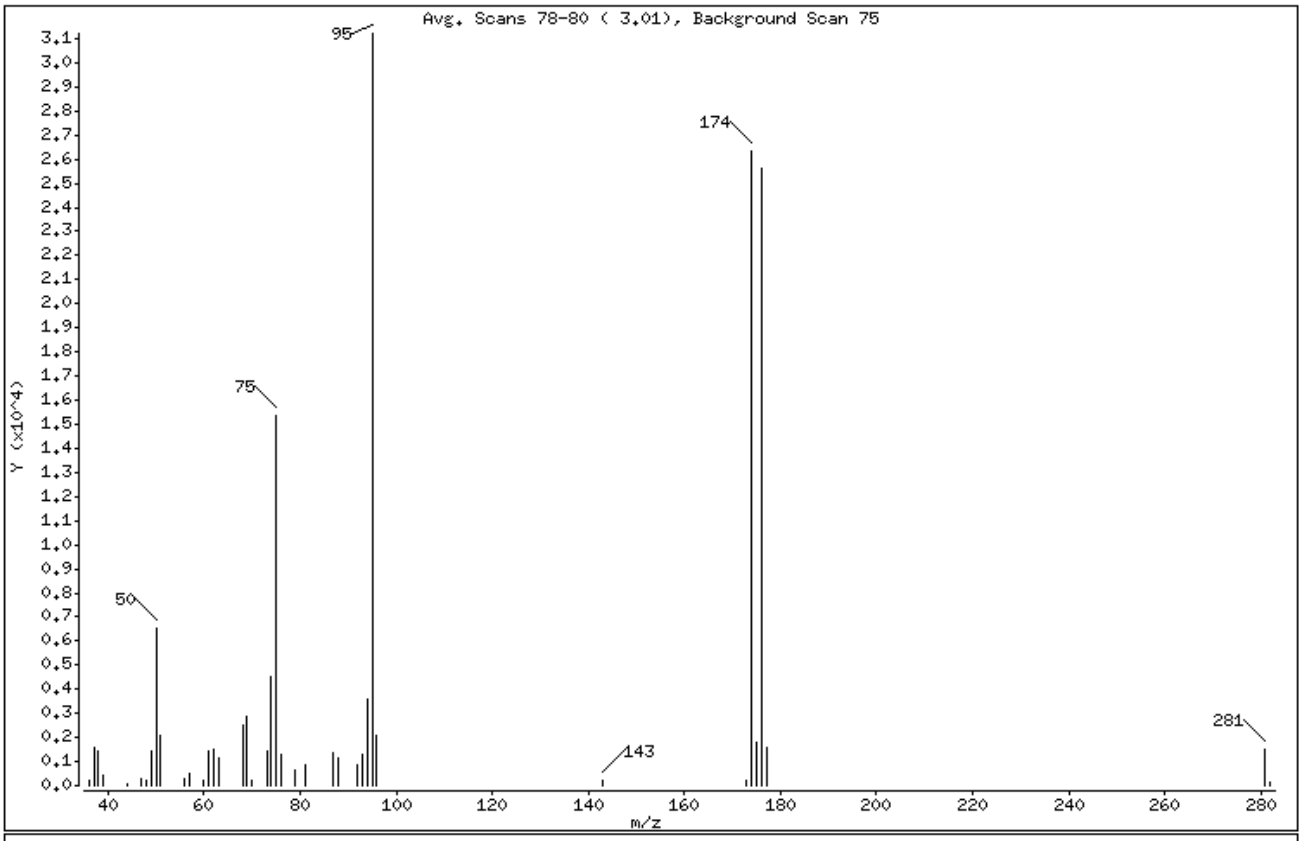
Volume Injected (uL): 1.0

Operator: 1754

Column phase: DB624 20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.86
75	30.00 - 60.00% of mass 95	49.21
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.59 (0.69)
174	50.00 - 100.00% of mass 95	84.47
175	5.00 - 9.00% of mass 174	5.72 (6.78)
176	95.00 - 101.00% of mass 174	82.09 (97.18)
177	5.00 - 9.00% of mass 176	5.06 (6.16)

Date : 11-JUL-2005 06:58

Client ID: 50NG BFB Instrument: a3ux15.i

Sample Info:

Volume Injected (uL): 1.0 Operator: 1754

Column phase: DB624 20M Column diameter: 0.18

Data File: BFB027.D
Spectrum: Avg. Scans 78-80 (3.01), Background Scan 75
Location of Maximum: 95.00
Number of points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	225	57.00	533	76.00	1289	173.00	183
37.00	1594	60.00	237	79.00	611	174.00	26368
38.00	1443	61.00	1433	81.00	851	175.00	1787
39.00	416	62.00	1491	87.00	1362	176.00	25624
44.00	104	63.00	1143	88.00	1150	177.00	1578
47.00	277	68.00	2523	92.00	833	281.00	1496
48.00	207	69.00	2873	93.00	1313	282.00	174
49.00	1419	70.00	197	94.00	3614		
50.00	6513	73.00	1464	95.00	31216		
51.00	2109	74.00	4523	96.00	2076		
56.00	297	75.00	15362	143.00	221		

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE32F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G080000-202 HE32F1AD-LCSD
Prep Date.....: 07/08/05 **Analysis Date..:** 07/08/05
Prep Batch #...: 5189202
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**85**	**(75 - 122)**			**SW846 8260B**
	94	**(75 - 122)**	**9.3**	**(0-20)**	**SW846 8260B**
Benzene	**96**	**(80 - 116)**			**SW846 8260B**
	104	**(80 - 116)**	**8.1**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(74 - 119)**			**SW846 8260B**
	105	**(74 - 119)**	**7.9**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**89**	**(76 - 117)**			**SW846 8260B**
	95	**(76 - 117)**	**7.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**92**	**(63 - 130)**			**SW846 8260B**
	97	**(63 - 130)**	**4.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	101	(61 - 128)
Toluene-d8	104	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	105	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE32F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G080000-202 HE32F1AD-LCSD
Prep Date.....: 07/08/05 **Analysis Date..:** 07/08/05
Prep Batch #...: 5189202
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Trichloroethene	**10**	**8.5**	**ug/L**	**85**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**9.3**	**SW846 8260B**
Benzene	**10**	**9.6**	**ug/L**	**96**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**8.1**	**SW846 8260B**
Toluene	**10**	**9.7**	**ug/L**	**97**		**SW846 8260B**
	10	**10**	**ug/L**	**105**	**7.9**	**SW846 8260B**
Chlorobenzene	**10**	**8.9**	**ug/L**	**89**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**7.2**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**4.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
	95	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
	101	(61 - 128)
Toluene-d8	104	(76 - 110)
	102	(76 - 110)
4-Bromofluorobenzene	104	(74 - 116)
	105	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5360.D
Report Date: 08-Jul-2005 08:53

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5360.D
Lab Smp Id: LCS
Inj Date : 08-JUL-2005 08:25
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCS
Misc Info : J50708A,8260LLUX11,2-8260.SUB,43582,3
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m
Meth Date : 08-Jul-2005 08:53 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.996	(1.000)	1579627	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1409380	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	889577	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.440	(0.889)	358878	48.0345	9.607
$ 5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	495184	49.9197	9.984
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1613502	52.0502	10.410
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	790184	51.9025	10.380
8 Dichlorodifluoromethane	85	1.517	1.517	(0.304)	438956	41.5108	8.302
9 Chloromethane	50	1.659	1.659	(0.332)	492794	50.8968	10.179
10 Vinyl Chloride	62	1.742	1.742	(0.349)	489418	47.5803	9.516
11 Bromomethane	94	2.014	2.014	(0.403)	174033	44.6946	8.939
12 Chloroethane	64	2.097	2.097	(0.420)	293783	58.9384	11.788
13 Trichlorofluoromethane	101	2.298	2.298	(0.460)	479048	57.5082	11.502
15 Acrolein	56	2.594	2.594	(0.519)	506131	598.444	119.69
16 Acetone	43	2.713	2.701	(0.543)	105390	30.9130	6.183
17 1,1-Dichloroethene	96	2.701	2.701	(0.541)	390515	46.2060	9.241
18 Freon-113	151	2.713	2.713	(0.543)	326973	44.5802	8.916
19 Iodomethane	142	2.843	2.831	(0.569)	31774	8.50076	1.700
20 Carbon Disulfide	76	2.890	2.890	(0.578)	1350985	51.0969	10.219
21 Methylene Chloride	84	3.068	3.067	(0.614)	446245	38.0815	7.616

22 Acetonitrile	41	2.926	2.914 (0.586)	430539	488.137	97.627
23 Acrylonitrile	53	3.233	3.233 (0.647)	1183282	491.468	98.294

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5360.D
Report Date: 08-Jul-2005 08:53

							CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.281	3.280	(0.657)	943179	43.7452	8.749
	25 trans-1,2-Dichloroethene	96	3.281	3.280	(0.657)	371360	45.4349	9.087
	26 Hexane	86	3.505	3.505	(0.702)	98888	40.3374	8.067
	27 Vinyl acetate	43	3.624	3.635	(0.725)	13647	1.00869	0.2017
	28 1,1-Dichloroethane	63	3.612	3.612	(0.723)	676988	47.6970	9.539
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.062	4.061	(0.813)	140237	39.4899	7.898
M	31 1,2-Dichloroethene (total)	96				754826	89.0738	17.815
	32 cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	383466	43.6389	8.728
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.322	4.310	(0.865)	649185	47.7615	9.552
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.488	4.487	(0.898)	468582	42.5941	8.519
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.630	4.618	(0.927)	357077	36.2720	7.254
	40 1,2-Dichloroethane	62	4.783	4.783	(0.957)	532002	49.1811	9.836
	41 Benzene	78	4.783	4.783	(0.957)	1799890	48.0628	9.612
	42 Trichloroethene	130	5.304	5.304	(1.062)	398298	42.6483	8.530
	43 1,2-Dichloropropane	63	5.481	5.481	(1.097)	408052	46.6177	9.324
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.706	5.706	(1.142)	413700	38.4372	7.687
	47 2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	233761	43.7368	8.747
	48 cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	572475	38.0448	7.609
	49 4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	304687	36.2359	7.247
	50 Toluene	91	6.393	6.393	(0.837)	1791976	48.4581	9.692
	51 trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	516720	39.6786	7.936
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	325821	45.5649	9.113
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.890	6.890	(0.902)	356300	45.4499	9.090
	56 2-Hexanone	43	6.949	6.949	(0.910)	215068	35.7482	7.150
	57 Dibromochloromethane	129	7.103	7.091	(0.930)	280526	35.0109	7.002
	58 1,2-Dibromoethane	107	7.209	7.209	(0.944)	346712	45.4724	9.094
	59 Chlorobenzene	112	7.659	7.659	(1.003)	1232143	44.2893	8.858
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.753	7.753	(1.015)	684180	44.3900	8.878
	62 m + p-Xylene	106	7.872	7.860	(1.031)	1716909	87.2327	17.446
M	63 Xylenes (total)	106				2552926	131.181	26.236
	64 Xylene-o	106	8.239	8.238	(1.079)	836017	43.9479	8.790
	65 Styrene	104	8.250	8.250	(1.081)	1474501	44.1428	8.828
	66 Bromoform	173	8.428	8.428	(1.104)	166960	32.0549	6.411
	67 Isopropylbenzene	105	8.594	8.593	(1.126)	2204422	48.0293	9.606
	68 1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	469669	46.9266	9.385
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

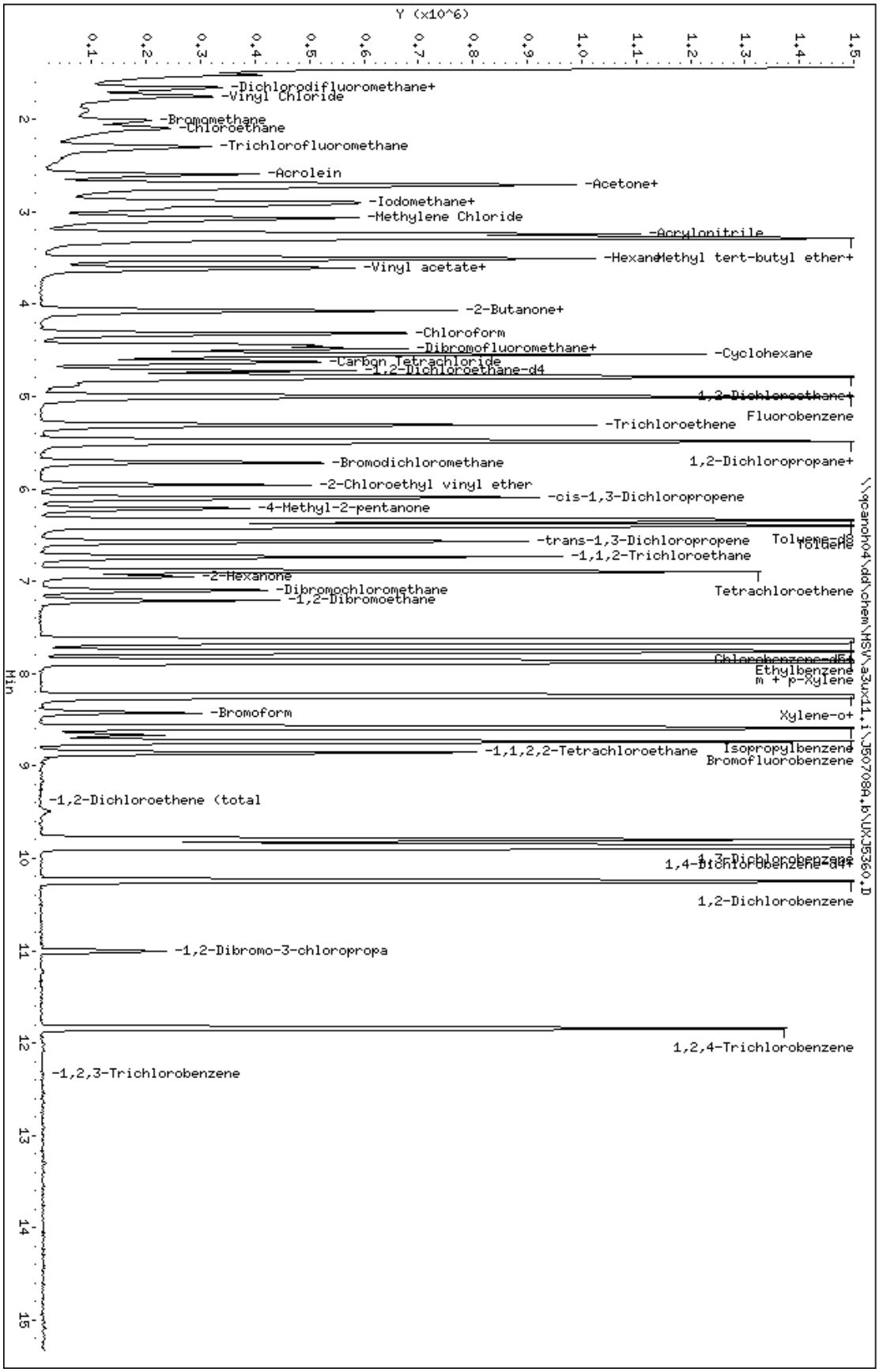
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5360.D
Report Date: 08-Jul-2005 08:53

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.801	9.800	(0.994)	1166106	44.4750	8.895
81 1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1215405	45.4674	9.093
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1086456	44.5845	8.917
84 1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	65096	33.2366	6.647
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	566494	60.6686	12.134
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	12.345	12.333	(1.252)	1864	1.13428	0.2268
98 Cyclohexane	56	4.547	4.547	(0.910)	722143	42.8454	8.569
143 Methyl Acetate	43	2.973	2.973	(0.595)	238646	42.7029	8.540(A)
144 Methylcyclohexane	83	5.481	5.481	(1.097)	629735	39.9948	7.999(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UX35360.D
Date : 08-JUL-2005 08:25
Client ID:
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5361.D
Report Date: 08-Jul-2005 09:02

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5361.D
Lab Smp Id: LCSD
Inj Date : 08-JUL-2005 08:46
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCSD
Misc Info : J50708A,8260LLUX11,2-8260.SUB,43582,3
Comment   :
Method   : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m
Meth Date : 08-Jul-2005 08:53 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.996	(1.000)	1602124	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1423035	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	899638	50.0000	
$ 4 Dibromofluoromethane	113	4.440	4.440	(0.889)	359443	47.4346	9.487
$ 5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	506411	50.3346	10.067
$ 6 Toluene-d8	98	6.334	6.333	(0.830)	1598973	51.0866	10.217
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	810148	52.7032	10.541
8 Dichlorodifluoromethane	85	1.518	1.517	(0.304)	452238	42.1663	8.433
9 Chloromethane	50	1.660	1.659	(0.332)	543243	55.3194	11.064
10 Vinyl Chloride	62	1.742	1.742	(0.349)	535441	51.3236	10.265
11 Bromomethane	94	2.015	2.014	(0.403)	215016	53.6812	10.736
12 Chloroethane	64	2.097	2.097	(0.420)	316075	62.5202	12.504
13 Trichlorofluoromethane	101	2.298	2.298	(0.460)	516851	61.1750	12.235
15 Acrolein	56	2.594	2.594	(0.519)	531744	619.899	123.98
16 Acetone	43	2.713	2.701	(0.543)	113904	34.4784	6.896
17 1,1-Dichloroethene	96	2.701	2.701	(0.541)	415972	48.5270	9.705
18 Freon-113	151	2.713	2.713	(0.543)	367192	49.3608	9.872
19 Iodomethane	142	2.831	2.831	(0.567)	27868	8.22108	1.644
20 Carbon Disulfide	76	2.890	2.890	(0.578)	1459448	54.4241	10.885
21 Methylene Chloride	84	3.068	3.067	(0.614)	477113	40.9848	8.197

22 Acetonitrile	41	2.926	2.914 (0.586)	448372	501.217	100.24
23 Acrylonitrile	53	3.233	3.233 (0.647)	1258902	515.534	103.11

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5361.D
Report Date: 08-Jul-2005 09:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
24	Methyl tert-butyl ether	73	3.281	3.280	(0.657)	1020162	46.6513	9.330
25	trans-1,2-Dichloroethene	96	3.281	3.280	(0.657)	415829	50.1612	10.032
26	Hexane	86	3.505	3.505	(0.702)	111423	44.8123	8.962
27	Vinyl acetate	43	3.505	3.635	(0.702)	426842	31.1060	6.221
28	1,1-Dichloroethane	63	3.612	3.612	(0.723)	738906	51.3283	10.266
29	tert-Butyl Alcohol	59	Compound Not Detected.					
30	2-Butanone	43	4.062	4.061	(0.813)	141867	39.3697	7.874
M 31	1,2-Dichloroethene (total)	96				846196	98.4497	19.690
32	cis-1,2-dichloroethene	96	4.073	4.073	(0.815)	430367	48.2885	9.658
33	2,2-Dichloropropane	77	Compound Not Detected.					
34	Bromochloromethane	128	Compound Not Detected.					
35	Chloroform	83	4.322	4.310	(0.865)	715067	51.8698	10.374
36	Tetrahydrofuran	42	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.488	4.487	(0.898)	515459	46.1973	9.239
38	1,1-Dichloropropene	75	Compound Not Detected.					
39	Carbon Tetrachloride	117	4.630	4.618	(0.927)	386500	38.7095	7.742
40	1,2-Dichloroethane	62	4.783	4.783	(0.957)	582726	53.1139	10.623
41	Benzene	78	4.783	4.783	(0.957)	1964863	52.1221	10.424
42	Trichloroethene	130	5.304	5.304	(1.062)	443439	46.8151	9.363
43	1,2-Dichloropropane	63	5.482	5.481	(1.097)	440227	49.5873	9.917
44	1,4-Dioxane	88	Compound Not Detected.					
45	Dibromomethane	93	Compound Not Detected.					
46	Bromodichloromethane	83	5.706	5.706	(1.142)	464818	42.5802	8.516
47	2-Chloroethyl vinyl ether	63	5.955	5.955	(1.192)	249946	46.1083	9.222
48	cis-1,3-Dichloropropene	75	6.097	6.097	(1.220)	637021	41.7398	8.348
49	4-Methyl-2-pentanone	43	6.215	6.215	(1.244)	323729	37.9599	7.592
50	Toluene	91	6.393	6.393	(0.837)	1958015	52.4400	10.488
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	560549	42.6312	8.526
52	Ethyl Methacrylate	69	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	351195	48.6421	9.728
54	1,3-Dichloropropane	76	Compound Not Detected.					
55	Tetrachloroethene	164	6.890	6.890	(0.902)	386689	48.8530	9.771
56	2-Hexanone	43	6.949	6.949	(0.910)	231453	38.1025	7.620
57	Dibromochloromethane	129	7.103	7.091	(0.930)	299675	37.0419	7.408
58	1,2-Dibromoethane	107	7.209	7.209	(0.944)	364247	47.3137	9.463
59	Chlorobenzene	112	7.659	7.659	(1.003)	1337566	47.6174	9.523
60	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61	Ethylbenzene	106	7.753	7.753	(1.015)	753755	48.4348	9.687
62	m + p-Xylene	106	7.872	7.860	(1.031)	1930297	97.1334	19.427
M 63	Xylenes (total)	106				2848286	144.927	28.985
64	Xylene-o	106	8.239	8.238	(1.079)	917989	47.7939	9.559
65	Styrene	104	8.250	8.250	(1.081)	1625195	48.1873	9.637
66	Bromoform	173	8.428	8.428	(1.104)	177193	33.6931	6.739
67	Isopropylbenzene	105	8.594	8.593	(1.126)	2435855	52.5624	10.512
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	496485	49.0512	9.810
69	1,4-Dichloro-2-butene	53	Compound Not Detected.					
70	1,2,3-Trichloropropane	110	Compound Not Detected.					
71	Bromobenzene	156	Compound Not Detected.					
72	n-Propylbenzene	120	Compound Not Detected.					
73	2-Chlorotoluene	126	Compound Not Detected.					
74	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75	4-Chlorotoluene	126	Compound Not Detected.					

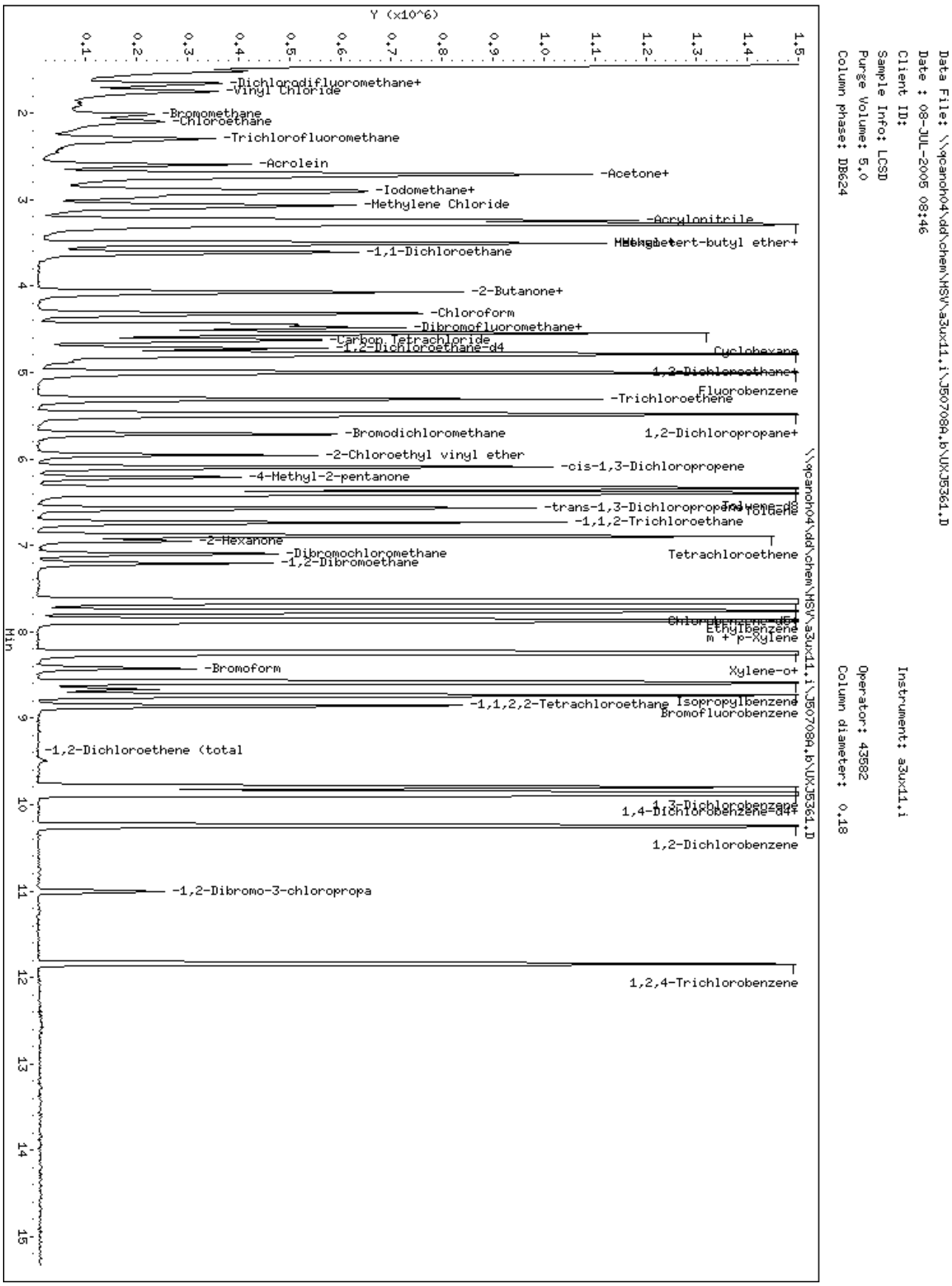
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5361.D
Report Date: 08-Jul-2005 09:02

						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.801	9.800	(0.994)	1275865	48.1169	9.623
81 1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1341748	49.6324	9.926
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1192332	48.3821	9.676
84 1,2-Dibromo-3-chloropropane	157	11.008	11.007	(1.116)	69675	35.1767	7.035
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	594343	62.9392	12.588
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.547	4.547	(0.910)	778750	45.5552	9.111
143 Methyl Acetate	43	2.973	2.973	(0.595)	253884	44.7917	8.958(A)
144 Methylcyclohexane	83	5.482	5.481	(1.097)	670599	41.9920	8.398(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5361.D
Date : 08-JUL-2005 08:46
Client ID:
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane
-Chloroethane
-Trichlorofluoromethane
-Acrolein
-Acetone+
-Iodomethane+
-Methylene Chloride
-Acrylonitrile
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Cyclohexane
Fluorobenzene
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethane
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Tetrachloroethene
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,1,2,2-Tetrachloroethane
Isopropylbenzene
Bromofluorobenzene
-1,2-Dichloroethene (total
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5361.D

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE8971AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G120000-076 HE8971AD-LCSD
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193076
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**92**	**(75 - 122)**			**SW846 8260B**
	97	**(75 - 122)**	**6.1**	**(0-20)**	**SW846 8260B**
Benzene	**89**	**(80 - 116)**			**SW846 8260B**
	95	**(80 - 116)**	**6.0**	**(0-20)**	**SW846 8260B**
Toluene	**89**	**(74 - 119)**			**SW846 8260B**
	96	**(74 - 119)**	**7.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**88**	**(76 - 117)**			**SW846 8260B**
	96	**(76 - 117)**	**9.2**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**93**	**(63 - 130)**			**SW846 8260B**
	101	**(63 - 130)**	**7.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
	108	(61 - 128)
Toluene-d8	102	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	100	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE8971AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G120000-076 HE8971AD-LCSD
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193076
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Trichloroethene	**10**	**9.2**	**ug/L**	**92**		**SW846 8260B**
	10	**9.7**	**ug/L**	**97**	**6.1**	**SW846 8260B**
Benzene	**10**	**8.9**	**ug/L**	**89**		**SW846 8260B**
	10	**9.5**	**ug/L**	**95**	**6.0**	**SW846 8260B**
Toluene	**10**	**8.9**	**ug/L**	**89**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**7.4**	**SW846 8260B**
Chlorobenzene	**10**	**8.8**	**ug/L**	**88**		**SW846 8260B**
	10	**9.6**	**ug/L**	**96**	**9.2**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.3**	**ug/L**	**93**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**7.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(73 - 122)
	104	(73 - 122)
1,2-Dichloroethane-d4	108	(61 - 128)
	108	(61 - 128)
Toluene-d8	102	(76 - 110)
	105	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)
	100	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0632.D
Report Date: 11-Jul-2005 08:22

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0632.D
Lab Smp Id: LCS
Inj Date : 11-JUL-2005 08:06
Operator : 1754 Inst ID: a3ux15.i
Smp Info : LCS
Misc Info : C50711A,8260LLUX15,2-8260.SUB,1754,3
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	1051026	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	682907	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.565	9.566	(1.000)	363600	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.158	(0.882)	218974	53.1152	10.623
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	264054	53.7970	10.759
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	758858	50.8655	10.173
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	266658	50.1524	10.030
8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	106852	53.9888	10.798
9 Chloromethane	50	1.312	1.312	(0.278)	150051	43.2772	8.655
10 Vinyl Chloride	62	1.395	1.407	(0.296)	171282	50.3573	10.071
11 Bromomethane	94	1.644	1.644	(0.349)	31902	35.1770	7.035
12 Chloroethane	64	1.715	1.715	(0.364)	59827	38.5846	7.717
13 Trichlorofluoromethane	101	1.893	1.893	(0.402)	206065	58.6514	11.730
15 Acrolein	56	2.225	2.225	(0.472)	380788	599.029	119.80
16 Acetone	43	2.355	2.356	(0.500)	69806	26.5682	5.314
17 1,1-Dichloroethene	96	2.308	2.308	(0.490)	190798	46.6648	9.333
18 Freon-113	151	2.344	2.344	(0.497)	130072	52.2784	10.456
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.486	2.486	(0.527)	732226	47.8953	9.579
21 Methylene Chloride	84	2.711	2.711	(0.575)	262377	44.6337	8.927

22 Acetonitrile	41	2.581	2.581 (0.547)	238029	443.025	88.605
23 Acrylonitrile	53	2.901	2.901 (0.615)	900928	484.898	96.980

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0632.D
Report Date: 11-Jul-2005 08:22

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
	24 Methyl tert-butyl ether	73	2.948	2.949	(0.625)	620022	45.5954	9.119
	25 trans-1,2-Dichloroethene	96	2.936	2.937	(0.623)	243261	45.7341	9.147
	26 Hexane	86	3.174	3.174	(0.673)	55319	46.9173	9.383
	27 Vinyl acetate	43	3.162	3.328	(0.671)	225363	30.6853	6.137
	28 1,1-Dichloroethane	63	3.280	3.281	(0.696)	449486	46.2925	9.258
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.778	3.767	(0.801)	81383	29.2163	5.843
M	31 1,2-Dichloroethene (total)	96				491269	91.2387	18.248
	32 cis-1,2-dichloroethene	96	3.755	3.755	(0.796)	248008	45.5046	9.101
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.027	4.028	(0.854)	396573	46.4656	9.293
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.170	4.170	(0.884)	343768	48.5488	9.710
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.312	4.312	(0.914)	296245	51.1294	10.226
	40 1,2-Dichloroethane	62	4.490	4.490	(0.952)	311712	47.4679	9.494
	41 Benzene	78	4.478	4.478	(0.950)	877639	44.6597	8.932
	42 Trichloroethene	130	5.024	5.024	(1.065)	234559	45.7521	9.150
	43 1,2-Dichloropropane	63	5.201	5.202	(1.103)	209107	45.5489	9.110
	44 1,4-Dioxane	88	5.332	5.332	(1.131)	2469	74.2855	14.857
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.439	5.439	(1.153)	236781	45.1613	9.032
	47 2-Chloroethyl vinyl ether	63	5.700	5.700	(1.209)	90738	46.9430	9.388
	48 cis-1,3-Dichloropropene	75	5.830	5.830	(1.236)	267692	42.1177	8.424
	49 4-Methyl-2-pentanone	43	5.960	5.961	(1.264)	158068	39.2655	7.853
	50 Toluene	91	6.115	6.115	(0.832)	815353	44.5069	8.901
	51 trans-1,3-Dichloropropene	75	6.316	6.316	(0.860)	224162	41.3481	8.270
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.470	6.471	(0.881)	144342	43.8192	8.764
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.613	6.613	(0.900)	168323	45.8273	9.165
	56 2-Hexanone	43	6.707	6.696	(0.913)	91528	29.0397	5.808
	57 Dibromochloromethane	129	6.826	6.826	(0.929)	155953	44.8730	8.974
	58 1,2-Dibromoethane	107	6.921	6.921	(0.942)	143596	44.2722	8.854
	59 Chlorobenzene	112	7.372	7.372	(1.003)	532238	43.8650	8.773
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.478	7.478	(1.018)	282868	43.7465	8.749
	62 m + p-Xylene	106	7.585	7.585	(1.032)	720677	89.4706	17.894
M	63 Xylenes (total)	106				1052669	131.528	26.306
	64 Xylene-o	106	7.953	7.953	(1.082)	331992	42.0571	8.411
	65 Styrene	104	7.976	7.965	(1.086)	521776	43.0822	8.616
	66 Bromoform	173	8.142	8.143	(1.108)	96973	41.6550	8.331
	67 Isopropylbenzene	105	8.308	8.309	(1.131)	818970	43.7292	8.746
	68 1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	180742	44.3973	8.879
	69 1,4-Dichloro-2-butene	53	8.391	8.641	(0.877)	1640	4.29634	0.8593
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

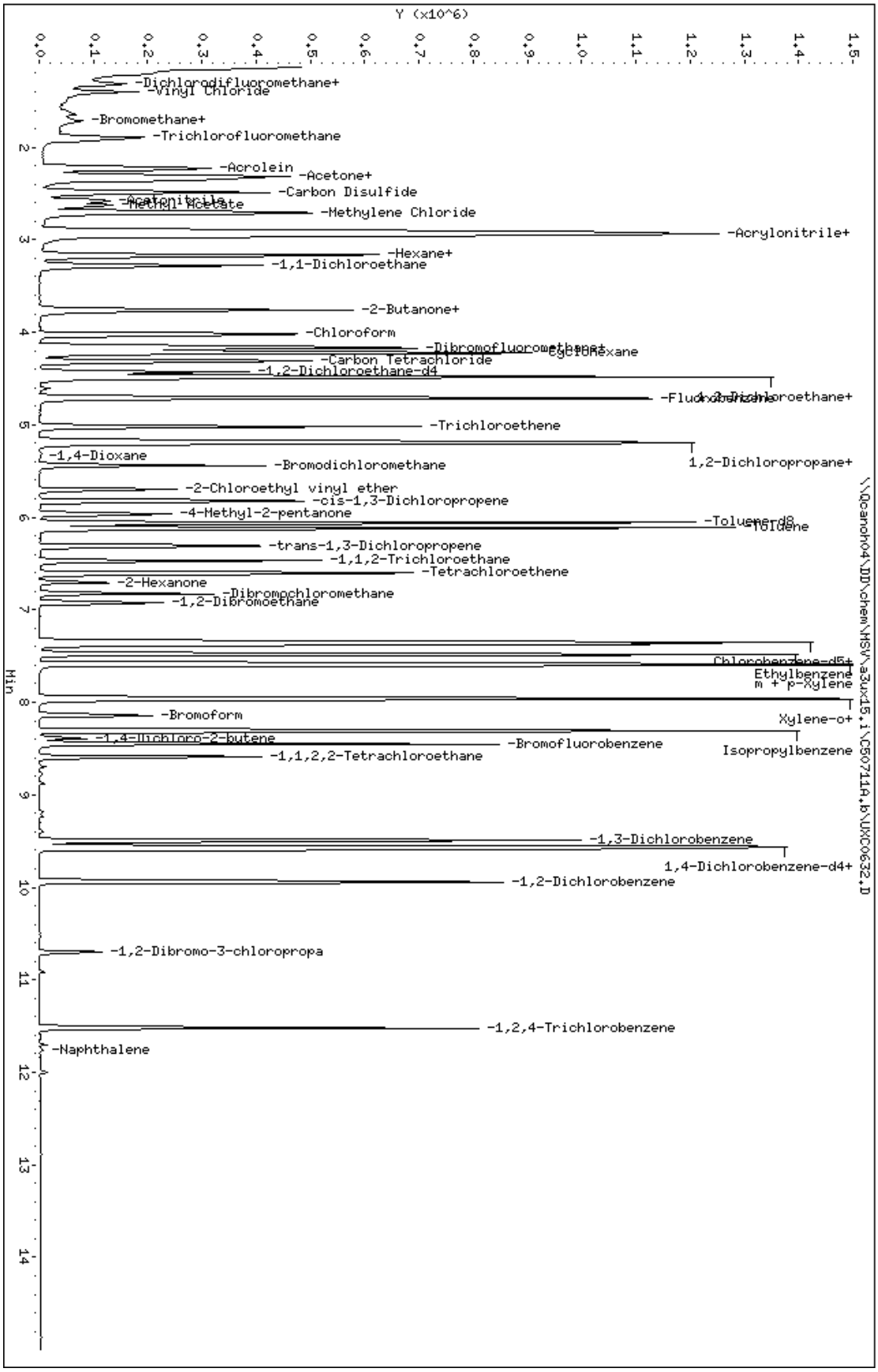
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0632.D
Report Date: 11-Jul-2005 08:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	397102	42.4766	8.495
81 1,4-Dichlorobenzene	146	9.589	9.577	(1.002)	423303	43.8624	8.772
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	377720	42.5678	8.514
84 1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	31722	40.7670	8.153
85 1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	254934	37.4957	7.499
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	11.759	11.759	(1.229)	7704	2.66005	0.5320
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.217	4.217	(0.894)	453611	43.5478	8.710
143 Methyl Acetate	43	2.628	2.628	(0.557)	175229	42.4050	8.481(A)
144 Methylcyclohexane	83	5.190	5.190	(1.101)	370321	40.0852	8.017(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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



Data File: \\Qcanoh04\DD\chem\MSV\a3ux15,i\C50711A,b\UXC0632.D
Date : 11-JUL-2005 08:06
Client ID:
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux15,i
Operator: 1754
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0633.D
Report Date: 11-Jul-2005 08:45

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0633.D
Lab Smp Id: LCSD
Inj Date : 11-JUL-2005 08:29
Operator : 1754 Inst ID: a3ux15.i
Smp Info : LCSD
Misc Info : C50711A,8260LLUX15,2-8260.SUB,1754,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	1105157	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	725870	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.565	9.566	(1.000)	372532	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.158	(0.882)	225221	51.9547	10.391
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	278861	54.0310	10.806
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	831632	52.4441	10.489
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	281403	49.7931	9.959
8 Dichlorodifluoromethane	85	1.205	1.205	(0.256)	114611	55.0217	11.004
9 Chloromethane	50	1.312	1.312	(0.278)	163084	44.7323	8.946
10 Vinyl Chloride	62	1.407	1.407	(0.298)	175142	48.9700	9.794
11 Bromomethane	94	1.644	1.644	(0.349)	34650	36.5851	7.317
12 Chloroethane	64	1.715	1.715	(0.364)	59690	36.5410	7.308
13 Trichlorofluoromethane	101	1.893	1.893	(0.402)	200068	54.1553	10.831
15 Acrolein	56	2.225	2.225	(0.472)	417303	624.318	124.86
16 Acetone	43	2.355	2.356	(0.500)	81151	29.3733	5.875
17 1,1-Dichloroethene	96	2.308	2.308	(0.490)	216075	50.2585	10.052
18 Freon-113	151	2.344	2.344	(0.497)	148280	56.6774	11.335
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	2.486	2.486	(0.527)	785972	48.8927	9.778
21 Methylene Chloride	84	2.711	2.711	(0.575)	283314	46.0258	9.205

22 Acetonitrile	41	2.581	2.581 (0.547)	278142	492.328	98.466
23 Acrylonitrile	53	2.901	2.901 (0.615)	1016016	520.057	104.01

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0633.D
Report Date: 11-Jul-2005 08:45

							CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	2.948	2.949	(0.625)	664303	46.4589	9.292
	25 trans-1,2-Dichloroethene	96	2.936	2.937	(0.623)	262021	46.8483	9.370
	26 Hexane	86	3.174	3.174	(0.673)	56318	45.4250	9.085
	27 Vinyl acetate	43	3.162	3.328	(0.671)	243679	31.5541	6.311
	28 1,1-Dichloroethane	63	3.280	3.281	(0.696)	483323	47.3393	9.468
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	3.778	3.767	(0.801)	95351	32.5542	6.511
M	31 1,2-Dichloroethene (total)	96				525450	92.8149	18.563
	32 cis-1,2-dichloroethene	96	3.755	3.755	(0.796)	263429	45.9666	9.193
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.027	4.028	(0.854)	424418	47.2924	9.458
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.170	4.170	(0.884)	363667	48.8435	9.769
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.312	4.312	(0.914)	318488	52.2760	10.455
	40 1,2-Dichloroethane	62	4.490	4.490	(0.952)	353535	51.1999	10.240
	41 Benzene	78	4.478	4.478	(0.950)	980315	47.4411	9.488
	42 Trichloroethene	130	5.024	5.024	(1.065)	262132	48.6260	9.725
	43 1,2-Dichloropropane	63	5.201	5.202	(1.103)	239605	49.6358	9.927
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.439	5.439	(1.153)	271112	49.1766	9.835
	47 2-Chloroethyl vinyl ether	63	5.699	5.700	(1.209)	113137	55.0115	11.002
	48 cis-1,3-Dichloropropene	75	5.830	5.830	(1.236)	323948	48.2005	9.640
	49 4-Methyl-2-pentanone	43	5.960	5.961	(1.264)	185365	43.7910	8.758
	50 Toluene	91	6.115	6.115	(0.832)	932786	47.9034	9.581
	51 trans-1,3-Dichloropropene	75	6.316	6.316	(0.860)	268966	46.3877	9.278
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.470	6.471	(0.881)	170645	48.7380	9.748
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	6.613	6.613	(0.900)	189556	48.5536	9.711
	56 2-Hexanone	43	6.707	6.696	(0.913)	108312	32.0307	6.406
	57 Dibromochloromethane	129	6.826	6.826	(0.929)	178103	48.2131	9.643
	58 1,2-Dibromoethane	107	6.921	6.921	(0.942)	168659	48.9217	9.784
	59 Chlorobenzene	112	7.372	7.372	(1.003)	620466	48.1097	9.622
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.478	7.478	(1.018)	317543	46.2025	9.240
	62 m + p-Xylene	106	7.585	7.585	(1.032)	801545	93.6203	18.724
M	63 Xylenes (total)	106				1173608	137.964	27.593
	64 Xylene-o	106	7.953	7.953	(1.082)	372063	44.3436	8.869
	65 Styrene	104	7.964	7.965	(1.084)	584764	45.4253	9.085
	66 Bromoform	173	8.142	8.143	(1.108)	108720	43.8140	8.763
	67 Isopropylbenzene	105	8.308	8.309	(1.131)	933423	46.8905	9.378
	68 1,1,2,2-Tetrachloroethane	83	8.593	8.593	(0.898)	199357	47.7957	9.559
	69 1,4-Dichloro-2-butene	53	8.391	8.641	(0.877)	1781	4.36914	0.8738
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

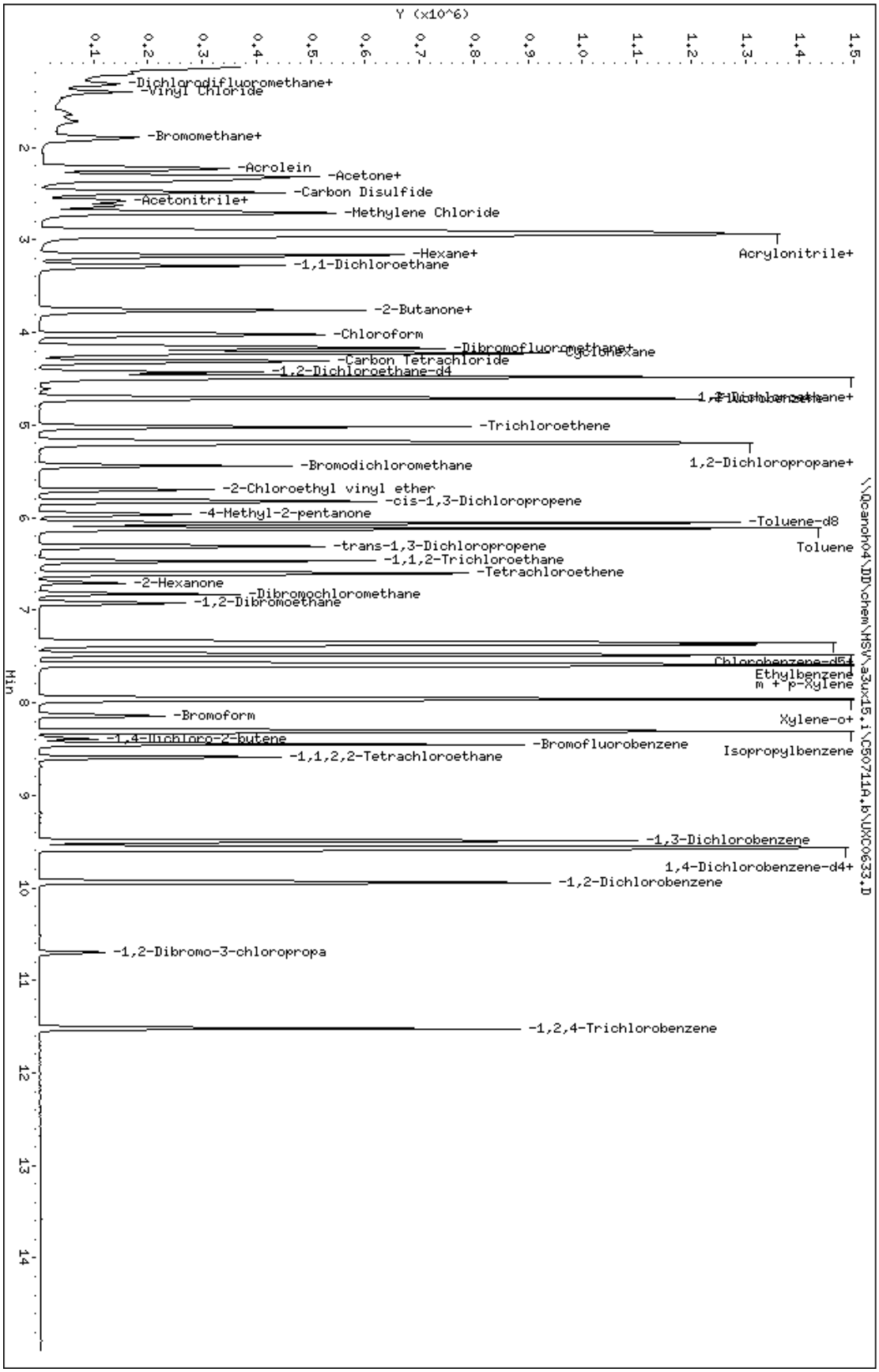
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0633.D
Report Date: 11-Jul-2005 08:45

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.494	9.494	(0.993)	437101	45.6341	9.127
81 1,4-Dichlorobenzene	146	9.577	9.577	(1.001)	460777	46.6006	9.320
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	9.945	9.945	(1.040)	411689	45.2836	9.057
84 1,2-Dibromo-3-chloropropane	157	10.704	10.704	(1.119)	34776	43.6202	8.724
85 1,2,4-Trichlorobenzene	180	11.522	11.522	(1.205)	277979	39.9049	7.981
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
98 Cyclohexane	56	4.217	4.217	(0.894)	470812	42.9853	8.597
143 Methyl Acetate	43	2.628	2.628	(0.557)	197087	45.3585	9.072(A)
144 Methylcyclohexane	83	5.190	5.190	(1.101)	389069	40.0518	8.010(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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


Y (x10^6)
0.1
0.2
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13
14
-Dichlorodifluoromethane+
-Vinyl Chloride
-Bromomethane+
-Acrolein
-Acetone+
-Carbon Disulfide
-Acetonitrile+
-Methylene Chloride
Acrylonitrile+
-Hexane+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
Cyclohexane
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
1,1,1-Trichloroethane+
-Trichloroethene
1,2-Dichloropropane+
-Bromodichloromethane
-2-Chloroethyl vinyl ether
-cis-1,3-Dichloropropene
-4-Methyl-2-pentanone
-Toluene-d8
Toluene
-trans-1,3-Dichloropropene
-1,1,2-Trichloroethene
-Tetrachloroethene
-2-Hexanone
-Dibromochloromethane
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
-1,4-Dichloro-2-butene
-Bromofluorobenzene
Isopropylbenzene
-1,1,2,2-Tetrachloroethane
-1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
-1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
-1,2,4-Trichlorobenzene
\\Qcanoh04\DD\chem\MSV\a3ux15,i\C50711A,b\UXC0633.D
Data File: \\Qcanoh04\DD\chem\MSV\a3ux15,i\C50711A,b\UXC0633.D
Date : 11-JUL-2005 08:29
Client ID:
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux15,i
Operator: 1754
Column diameter: 0.18

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE9CW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G120000-105 HE9CW1AD-LCSD
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**95**	**(75 - 122)**			**SW846 8260B**
	94	**(75 - 122)**	**1.1**	**(0-20)**	**SW846 8260B**
Benzene	**91**	**(80 - 116)**			**SW846 8260B**
	94	**(80 - 116)**	**3.2**	**(0-20)**	**SW846 8260B**
Toluene	**102**	**(74 - 119)**			**SW846 8260B**
	104	**(74 - 119)**	**1.7**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**98**	**(76 - 117)**			**SW846 8260B**
	98	**(76 - 117)**	**0.79**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethene	**99**	**(63 - 130)**			**SW846 8260B**
	101	**(63 - 130)**	**1.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	105	(61 - 128)
Toluene-d8	99	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	98	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE9CW1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A5G120000-105 HE9CW1AD-LCSD
Prep Date.....: 07/11/05 **Analysis Date..:** 07/11/05
Prep Batch #...: 5193105
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Trichloroethene	**10**	**9.5**	**ug/L**	**95**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**1.1**	**SW846 8260B**
Benzene	**10**	**9.1**	**ug/L**	**91**		**SW846 8260B**
	10	**9.4**	**ug/L**	**94**	**3.2**	**SW846 8260B**
Toluene	**10**	**10**	**ug/L**	**102**		**SW846 8260B**
	10	**10**	**ug/L**	**104**	**1.7**	**SW846 8260B**
Chlorobenzene	**10**	**9.8**	**ug/L**	**98**		**SW846 8260B**
	10	**9.8**	**ug/L**	**98**	**0.79**	**SW846 8260B**
1,1-Dichloroethene	**10**	**9.9**	**ug/L**	**99**		**SW846 8260B**
	10	**10**	**ug/L**	**101**	**1.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(73 - 122)
	100	(73 - 122)
1,2-Dichloroethane-d4	105	(61 - 128)
	105	(61 - 128)
Toluene-d8	99	(76 - 110)
	100	(76 - 110)
4-Bromofluorobenzene	101	(74 - 116)
	98	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5388.D
Report Date: 11-Jul-2005 13:38

STL - North Canton

VOLATILE REPORT SW-846 Method

Data file : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5388.D
Lab Smp Id: LCS
Inj Date : 11-JUL-2005 13:22
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCS
Misc Info : J50711A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1814802	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1670770	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	951074	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	391496	45.6099	9.122
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	595867	52.2853	10.457
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1826125	49.6930	9.938
$ 7 Bromofluorobenzene	95	8.735	8.735	(1.144)	907161	50.2638	10.053
8 Dichlorodifluoromethane	85	1.494	1.505	(0.299)	492130	40.5084	8.102
9 Chloromethane	50	1.624	1.624	(0.325)	580988	52.2297	10.446
10 Vinyl Chloride	62	1.719	1.718	(0.344)	660738	55.9115	11.182
11 Bromomethane	94	1.979	1.979	(0.396)	239091	52.7478	10.550
12 Chloroethane	64	2.062	2.062	(0.413)	328949	57.4415	11.488
13 Trichlorofluoromethane	101	2.263	2.263	(0.453)	405099	42.3289	8.466
15 Acrolein	56	2.571	2.570	(0.515)	778017	800.709	160.14
16 Acetone	43	2.689	2.689	(0.538)	148789	43.3490	8.670
17 1,1-Dichloroethene	96	2.677	2.677	(0.536)	482528	49.6945	9.939
18 Freon-113	151	2.677	2.677	(0.536)	392678	46.6007	9.320
19 Iodomethane	142	2.783	2.795	(0.557)	457	6.46433	1.293
20 Carbon Disulfide	76	2.866	2.866	(0.574)	1494488	49.1996	9.840
21 Methylene Chloride	84	3.044	3.044	(0.609)	535750	40.4935	8.099

22 Acetonitrile	41	2.902	2.902 (0.581)	589520	581.772	116.35
23 Acrylonitrile	53	3.221	3.221 (0.645)	1732480	626.326	125.26

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5388.D
Report Date: 11-Jul-2005 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
24	Methyl tert-butyl ether	73	3.257	3.257	(0.652)	1287243	51.9663	10.393
25	trans-1,2-Dichloroethene	96	3.269	3.269	(0.654)	460597	49.0502	9.810
26	Hexane	86	3.493	3.493	(0.699)	128591	45.6562	9.131
27	Vinyl acetate	43	3.493	3.612	(0.699)	481682	30.9888	6.198
28	1,1-Dichloroethane	63	3.600	3.588	(0.721)	857821	52.6056	10.521
29	tert-Butyl Alcohol	59	Compound Not Detected.					
30	2-Butanone	43	4.050	4.050	(0.811)	201147	51.0557	10.211
M 31	1,2-Dichloroethene (total)	96				946478	97.1787	19.436
32	cis-1,2-dichloroethene	96	4.050	4.050	(0.811)	485881	48.1285	9.626
33	2,2-Dichloropropane	77	Compound Not Detected.					
34	Bromochloromethane	128	Compound Not Detected.					
35	Chloroform	83	4.310	4.298	(0.863)	815938	52.2507	10.450
36	Tetrahydrofuran	42	Compound Not Detected.					
37	1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	561788	44.4490	8.890
38	1,1-Dichloropropene	75	Compound Not Detected.					
39	Carbon Tetrachloride	117	4.618	4.617	(0.924)	357491	31.6083	6.322
40	1,2-Dichloroethane	62	4.771	4.771	(0.955)	692384	55.7131	11.143
41	Benzene	78	4.771	4.771	(0.955)	1968522	45.5080	9.102
42	Trichloroethene	130	5.304	5.304	(1.062)	510357	47.5656	9.513
43	1,2-Dichloropropane	63	5.481	5.481	(1.097)	514791	51.1908	10.238
44	1,4-Dioxane	88	5.588	5.588	(1.118)	11369	150.046	30.009
45	Dibromomethane	93	Compound Not Detected.					
46	Bromodichloromethane	83	5.706	5.706	(1.142)	491222	39.7255	7.945
47	2-Chloroethyl vinyl ether	63	5.955	5.943	(1.192)	317736	51.7448	10.349
48	cis-1,3-Dichloropropene	75	6.085	6.085	(1.218)	724019	41.8807	8.376
49	4-Methyl-2-pentanone	43	6.203	6.203	(1.242)	444942	46.0589	9.212
50	Toluene	91	6.393	6.392	(0.837)	2233912	50.9579	10.192
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	674270	43.6764	8.735
52	Ethyl Methacrylate	69	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	447340	52.7716	10.554
54	1,3-Dichloropropane	76	Compound Not Detected.					
55	Tetrachloroethene	164	6.890	6.889	(0.902)	457123	49.1883	9.838
56	2-Hexanone	43	6.949	6.949	(0.910)	324460	45.4936	9.099
57	Dibromochloromethane	129	7.091	7.091	(0.929)	306298	32.2468	6.449
58	1,2-Dibromoethane	107	7.209	7.197	(0.944)	468364	51.8172	10.363
59	Chlorobenzene	112	7.659	7.659	(1.003)	1622064	49.1832	9.837
60	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61	Ethylbenzene	106	7.753	7.753	(1.015)	872033	47.7264	9.545
62	m + p-Xylene	106	7.860	7.860	(1.029)	2253419	96.5796	19.316
M 63	Xylenes (total)	106				3353870	145.378	29.076
64	Xylene-o	106	8.238	8.238	(1.079)	1100451	48.7983	9.760
65	Styrene	104	8.250	8.250	(1.081)	1886834	47.6497	9.530
66	Bromoform	173	8.428	8.428	(1.104)	174187	28.2104	5.642
67	Isopropylbenzene	105	8.582	8.582	(1.124)	2828272	51.9809	10.396
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	608444	56.8614	11.372
69	1,4-Dichloro-2-butene	53	Compound Not Detected.					
70	1,2,3-Trichloropropane	110	Compound Not Detected.					
71	Bromobenzene	156	Compound Not Detected.					
72	n-Propylbenzene	120	Compound Not Detected.					
73	2-Chlorotoluene	126	Compound Not Detected.					
74	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75	4-Chlorotoluene	126	Compound Not Detected.					

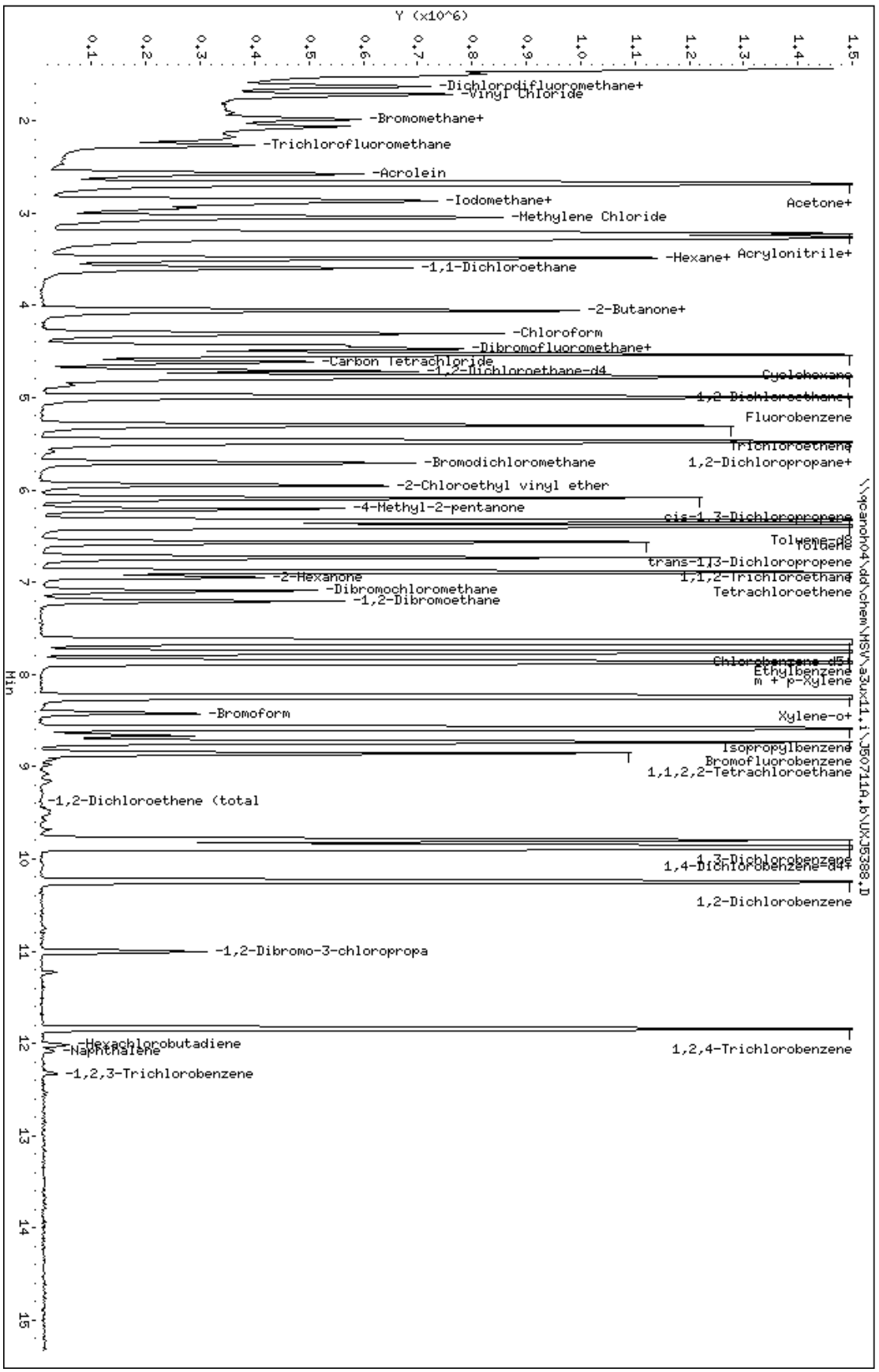
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5388.D
Report Date: 11-Jul-2005 13:38

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.800	9.800	(0.994)	1368698	48.8264	9.765
81 1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1409770	49.3283	9.866
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1292704	49.6181	9.924
84 1,2-Dibromo-3-chloropropane	157	11.007	11.007	(1.116)	87403	41.7405	8.348
85 1,2,4-Trichlorobenzene	180	11.848	11.847	(1.202)	745936	74.7204	14.944
86 Hexachlorobutadiene	225	12.025	12.013	(1.220)	11591	1.92533	0.3851
87 Naphthalene	128	12.084	12.084	(1.226)	25116	1.86372	0.3727
88 1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	10699	6.08957	1.218
98 Cyclohexane	56	4.535	4.535	(0.908)	900711	46.5149	9.303
143 Methyl Acetate	43	2.949	2.949	(0.590)	348343	54.2545	10.851(A)
144 Methylcyclohexane	83	5.470	5.469	(1.095)	748862	41.3973	8.279(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

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



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UX35388.D
Date : 11-JUL-2005 13:22
Client ID:
Sample Info: LCS
Purge Volume: 5.0
Column phase: DB624

Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5389.D
Report Date: 11-Jul-2005 14:05

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5389.D
Lab Smp Id: LCSD
Inj Date : 11-JUL-2005 13:44
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCSD
Misc Info : J50711A,8260LLUX11,2-8260.SUB,43582,3
Comment :
Method : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 6 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-8260.SUB
Target Version: 4.14
Processing Host: CANPMSV07

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1790884	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1664355	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	970437	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	422949	49.9323	9.986
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	588516	52.3300	10.466
$ 6 Toluene-d8	98	6.334	6.333	(0.830)	1828735	49.9558	9.991
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	881253	49.0165	9.803
8 Dichlorodifluoromethane	85	1.506	1.505	(0.301)	501065	41.7947	8.359
9 Chloromethane	50	1.624	1.624	(0.325)	579413	52.7837	10.557
10 Vinyl Chloride	62	1.719	1.718	(0.344)	660034	56.5979	11.320
11 Bromomethane	94	1.979	1.979	(0.396)	245443	54.7634	10.953
12 Chloroethane	64	2.062	2.062	(0.413)	326813	57.8307	11.566
13 Trichlorofluoromethane	101	2.263	2.263	(0.453)	415674	44.0140	8.803
15 Acrolein	56	2.571	2.570	(0.515)	799763	834.082	166.82
16 Acetone	43	2.689	2.689	(0.538)	139369	39.9566	7.991
17 1,1-Dichloroethene	96	2.677	2.677	(0.536)	485356	50.6534	10.131
18 Freon-113	151	2.677	2.677	(0.536)	405111	48.7183	9.744
19 Iodomethane	142	2.795	2.795	(0.560)	417	6.46239	1.292
20 Carbon Disulfide	76	2.866	2.866	(0.574)	1483366	49.4857	9.897
21 Methylene Chloride	84	3.044	3.044	(0.609)	535595	41.2252	8.245

22 Acetonitrile	41	2.902	2.902 (0.581)	587133	587.155	117.43
23 Acrylonitrile	53	3.221	3.221 (0.645)	1761368	645.274	129.05

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5389.D
Report Date: 11-Jul-2005 14:05

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
24	Methyl tert-butyl ether	73	3.257	3.257	(0.652)	1286964	52.6489	10.530
25	trans-1,2-Dichloroethene	96	3.269	3.269	(0.654)	462506	49.9113	9.982
26	Hexane	86	3.494	3.493	(0.699)	124863	44.9247	8.985
27	Vinyl acetate	43	3.482	3.612	(0.697)	486396	31.7100	6.342
28	1,1-Dichloroethane	63	3.600	3.588	(0.721)	851612	52.9223	10.584
29	tert-Butyl Alcohol	59	Compound Not Detected.					
30	2-Butanone	43	4.050	4.050	(0.811)	206734	53.4675	10.694
M 31	1,2-Dichloroethene (total)	96				945352	98.3779	19.676
32	cis-1,2-dichloroethene	96	4.062	4.050	(0.813)	482846	48.4666	9.693
33	2,2-Dichloropropane	77	Compound Not Detected.					
34	Bromochloromethane	128	Compound Not Detected.					
35	Chloroform	83	4.310	4.298	(0.863)	822944	53.4032	10.681
36	Tetrahydrofuran	42	4.535	4.286	(0.908)	235051	100.570	20.114
37	1,1,1-Trichloroethane	97	4.476	4.476	(0.896)	570495	45.7407	9.148
38	1,1-Dichloropropene	75	Compound Not Detected.					
39	Carbon Tetrachloride	117	4.618	4.617	(0.924)	348181	31.1962	6.239
40	1,2-Dichloroethane	62	4.772	4.771	(0.955)	700366	57.1080	11.422
41	Benzene	78	4.772	4.771	(0.955)	1998699	46.9706	9.394
42	Trichloroethene	130	5.304	5.304	(1.062)	497990	47.0328	9.406
43	1,2-Dichloropropane	63	5.482	5.481	(1.097)	515266	51.9223	10.384
44	1,4-Dioxane	88	Compound Not Detected.					
45	Dibromomethane	93	Compound Not Detected.					
46	Bromodichloromethane	83	5.706	5.706	(1.142)	507994	41.6305	8.326
47	2-Chloroethyl vinyl ether	63	5.943	5.943	(1.189)	329760	54.4202	10.884
48	cis-1,3-Dichloropropene	75	6.085	6.085	(1.218)	723615	42.4164	8.483
49	4-Methyl-2-pentanone	43	6.203	6.203	(1.242)	463495	48.6202	9.724
50	Toluene	91	6.393	6.392	(0.837)	2264410	51.8527	10.370
51	trans-1,3-Dichloropropene	75	6.570	6.570	(0.861)	689030	44.8045	8.961
52	Ethyl Methacrylate	69	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	6.736	6.736	(0.882)	451208	53.4331	10.687
54	1,3-Dichloropropane	76	Compound Not Detected.					
55	Tetrachloroethene	164	6.890	6.889	(0.902)	442843	47.8353	9.567
56	2-Hexanone	43	6.949	6.949	(0.910)	331775	46.6986	9.340
57	Dibromochloromethane	129	7.091	7.091	(0.929)	320159	33.8360	6.767
58	1,2-Dibromoethane	107	7.209	7.197	(0.944)	465143	51.6592	10.332
59	Chlorobenzene	112	7.659	7.659	(1.003)	1603147	48.7970	9.759
60	1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
61	Ethylbenzene	106	7.753	7.753	(1.015)	874223	48.0307	9.606
62	m + p-Xylene	106	7.860	7.860	(1.029)	2246999	96.6757	19.335
M 63	Xylenes (total)	106				3356494	146.065	29.213
64	Xylene-o	106	8.239	8.238	(1.079)	1109495	49.3890	9.878
65	Styrene	104	8.250	8.250	(1.081)	1899200	48.1468	9.629
66	Bromoform	173	8.428	8.428	(1.104)	182083	29.6029	5.920
67	Isopropylbenzene	105	8.582	8.582	(1.124)	2822014	52.0658	10.413
68	1,1,2,2-Tetrachloroethane	83	8.854	8.854	(0.898)	636042	58.2545	11.651
69	1,4-Dichloro-2-butene	53	Compound Not Detected.					
70	1,2,3-Trichloropropane	110	Compound Not Detected.					
71	Bromobenzene	156	Compound Not Detected.					
72	n-Propylbenzene	120	Compound Not Detected.					
73	2-Chlorotoluene	126	Compound Not Detected.					
74	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
75	4-Chlorotoluene	126	Compound Not Detected.					

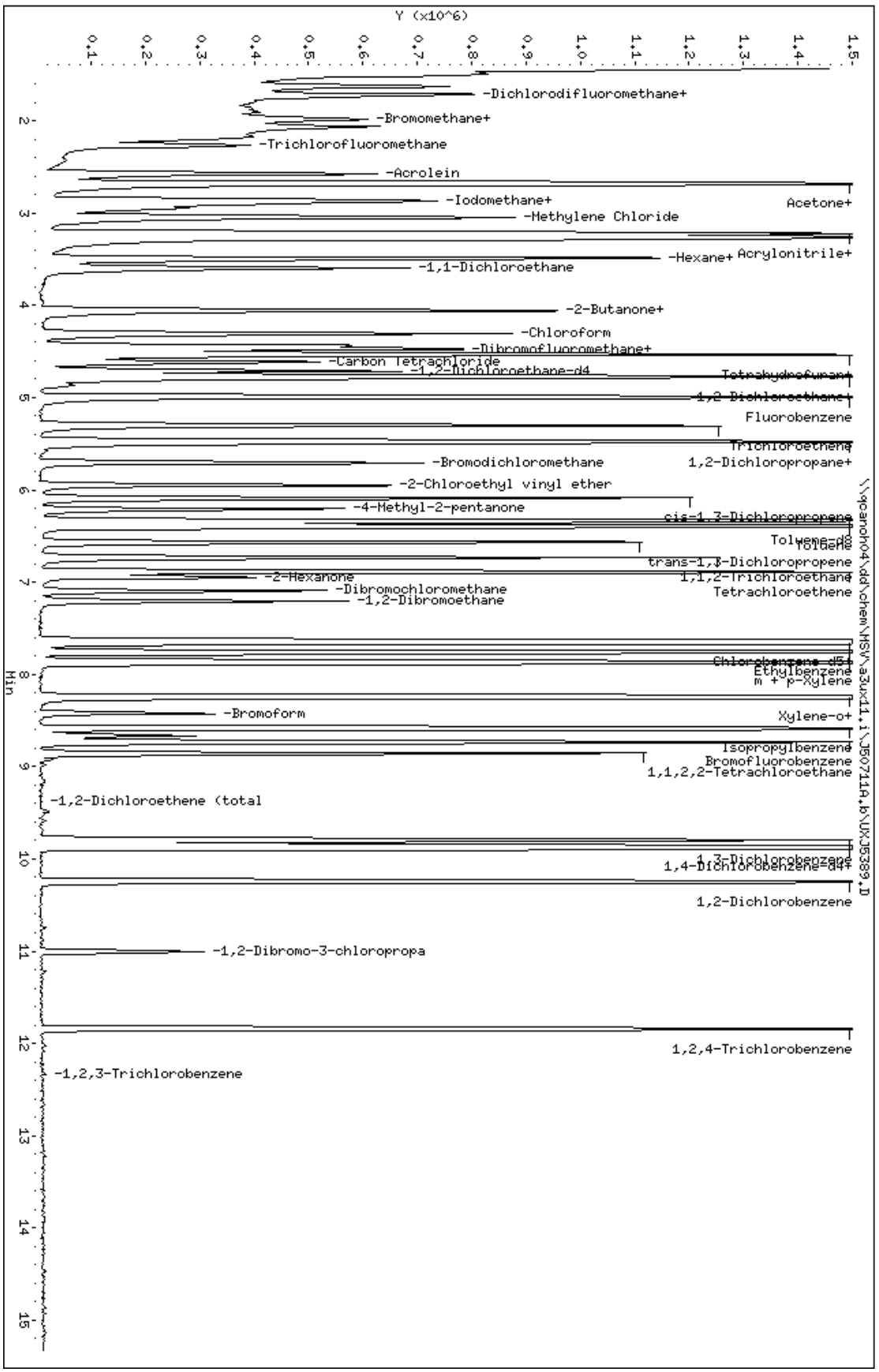
76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5389.D
Report Date: 11-Jul-2005 14:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	9.801	9.800	(0.994)	1376303	48.1180	9.624
81 1,4-Dichlorobenzene	146	9.883	9.883	(1.002)	1424118	48.8361	9.767
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	10.250	10.250	(1.040)	1299658	48.8896	9.778
84 1,2-Dibromo-3-chloropropane	157	11.008	11.007	(1.116)	84259	39.4362	7.887
85 1,2,4-Trichlorobenzene	180	11.848	11.847	(1.202)	746486	73.2835	14.657
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	12.333	12.333	(1.251)	2200	1.22719	0.2454
98 Cyclohexane	56	4.535	4.535	(0.908)	905247	47.3735	9.475
143 Methyl Acetate	43	2.949	2.949	(0.590)	360735	56.9349	11.387(A)
144 Methylcyclohexane	83	5.470	5.469	(1.095)	755893	42.3441	8.469(A)
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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0.2
0.3
0.4
0.5
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0.7
0.8
0.9
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1.1
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1.3
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1.5
Min
2
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6
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8
9
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11
12
13
14
15
-Dichlorodifluoromethane+
-Bromomethane+
-Trichlorofluoromethane
-Acrolein
-Iodomethane+
Acetone+
-Methylene Chloride
-Hexane+
Acrylonitrile+
-1,1-Dichloroethane
-2-Butanone+
-Chloroform
-Dibromofluoromethane+
-Carbon Tetrachloride
-1,2-Dichloroethane-d4
Tetrahydrofuran+
1,2-Dichloroethane+
Fluorobenzene
Trichloroethene
-Bromodichloromethane
1,2-Dichloropropane+
-2-Chloroethyl vinyl ether
-4-Methyl-2-pentanone
cis-1,3-Dichloropropene
Toluene-d8
Toluene
trans-1,3-Dichloropropene
-2-Hexanone
1,1,2-Trichloroethane
-Dibromochloromethane
Tetrachloroethene
-1,2-Dibromoethane
Chlorobenzene-d5+
Ethylbenzene
m + p-Xylene
-Bromoform
Xylene-o+
Isopropylbenzene
Bromofluorobenzene
1,1,2,2-Tetrachloroethane
-1,2-Dichloroethene (total
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene
-1,2-Dibromo-3-chloropropa
1,2,4-Trichlorobenzene
-1,2,3-Trichlorobenzene
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5389.D
Date : 11-JUL-2005 13:44
Client ID:
Sample Info: LCSD
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5389.D
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5389.D

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE32F1AA **Matrix.....:** WATER
MB Lot-Sample #: A5G080000-202

Prep Date.....: 07/08/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/08/05 **Prep Batch #...:** 5189202
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	103	(76 - 110)
4-Bromofluorobenzene	100	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5362.D
Report Date: 11-Jul-2005 08:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5362.D
Lab Smp Id: HE32F1AA
Inj Date : 08-JUL-2005 09:08
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J50708A,8260LLUX11,,43582
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50708A.b\8260LLUX11.m
Meth Date : 08-Jul-2005 08:53 a3ux11.i Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.996	(1.000)	1566758	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1367816	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.860	(1.000)	840182	50.0000	
$ 4 Dibromofluoromethane	113	4.452	4.440	(0.891)	361039	48.7207	9.744
$ 5 1,2-Dichloroethane-d4	65	4.724	4.724	(0.946)	477994	48.5826	9.716
$ 6 Toluene-d8	98	6.333	6.333	(0.830)	1543388	51.3013	10.260
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	741616	50.1926	10.038
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5362.D
Report Date: 11-Jul-2005 08:36

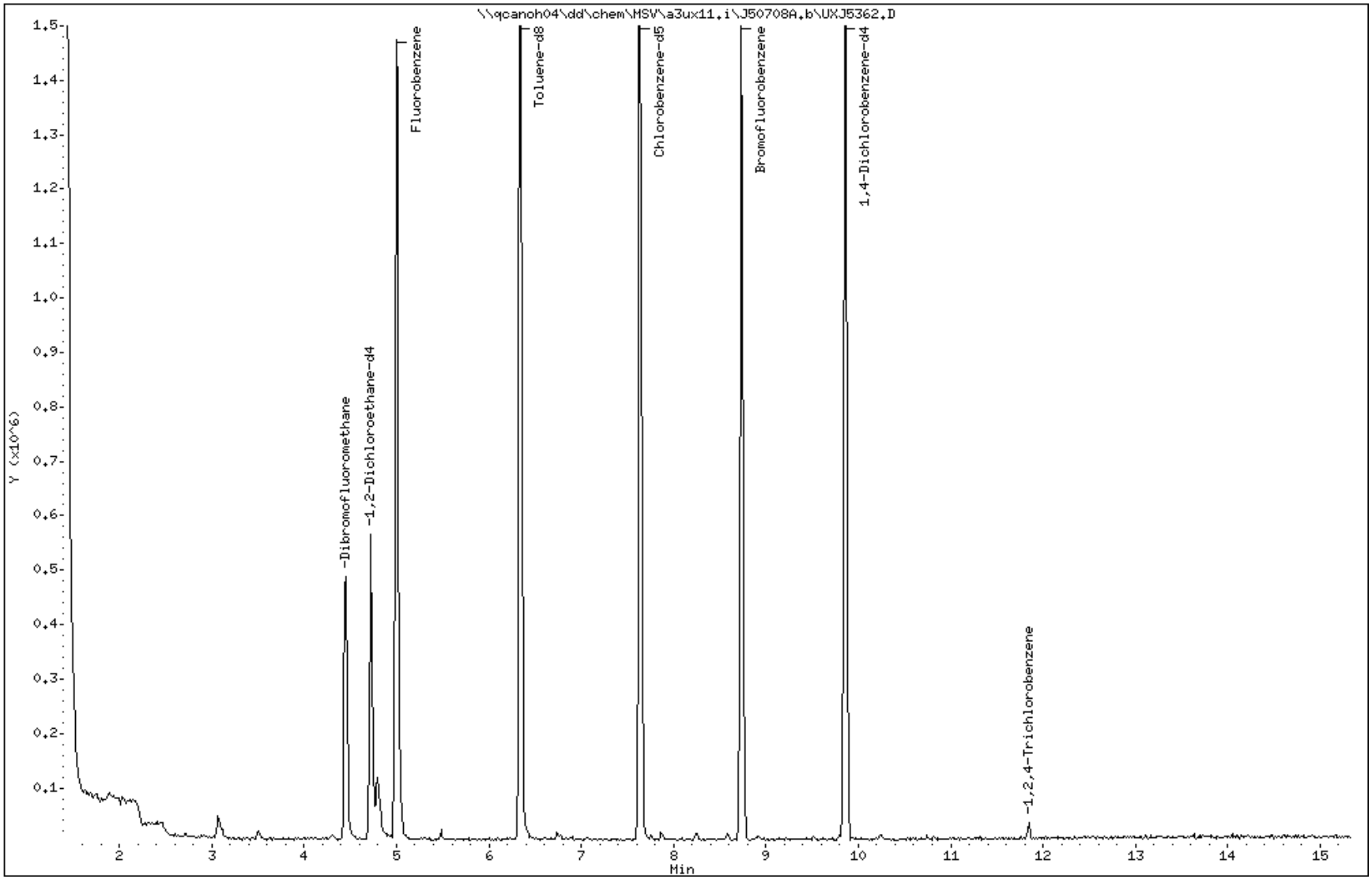
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5362.D
Report Date: 11-Jul-2005 08:36

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.848	11.848	(1.202)	12065	1.36806	0.2736
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5362.D
Date : 08-JUL-2005 09:08
Client ID:
Instrument: a3ux11.i
Sample Info: VBLK
Purge Volume: 5.0
Operator: 43582
Column phase: DB624
Column diameter: 0.18



Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50708A.b\UXJ5362.D

Date : 08-JUL-2005 09:08

Client ID:

Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0

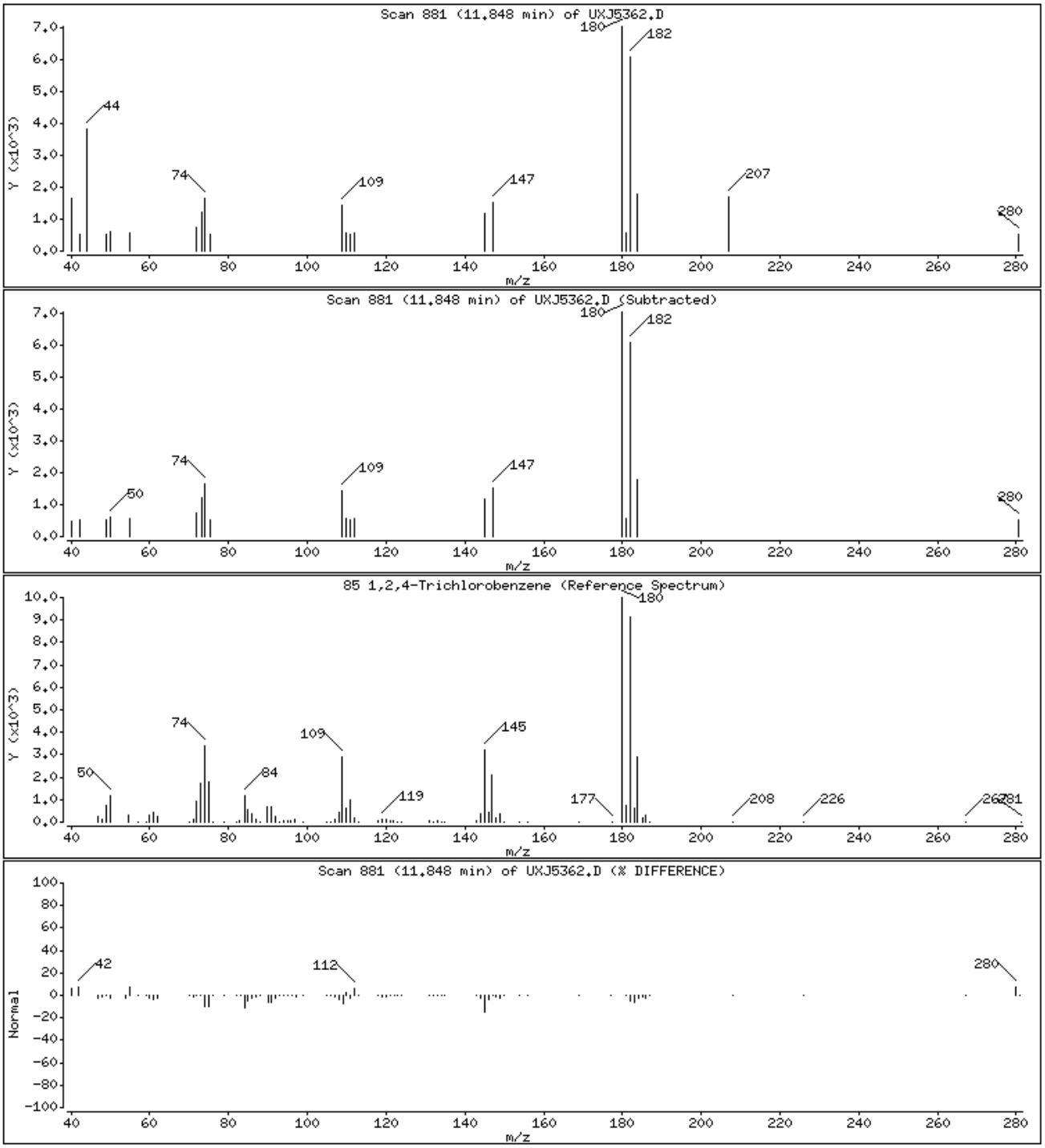
Operator: 43582

Column phase: DB624

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.2736 ug/L



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE8971AA **Matrix.....:** WATER
MB Lot-Sample #: A5G120000-076

Prep Date.....: 07/11/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/11/05 **Prep Batch #...:** 5193076
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(73 - 122)
1,2-Dichloroethane-d4	111	(61 - 128)
Toluene-d8	102	(76 - 110)
4-Bromofluorobenzene	94	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0634.D
Report Date: 11-Jul-2005 09:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0634.D
Lab Smp Id: VBLK
Inj Date : 11-JUL-2005 08:52
Operator : 1754 Inst ID: a3ux15.i
Smp Info : VBLK,5ML/5ML
Misc Info : C50711A,8260LLUX15,,1754,3,,BLANK,,0
Comment   :
Method   : \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\8260LLUX15.m
Meth Date : 11-Jul-2005 07:59 Quant Type: ISTD
Cal Date : 15-JUN-2005 21:23 Cal File: UXZ0010.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.715	4.715	(1.000)	1044876	50.0000	
* 2 Chlorobenzene-d5	117	7.348	7.348	(1.000)	658481	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.565	9.566	(1.000)	342760	50.0000	
$ 4 Dibromofluoromethane	113	4.158	4.158	(0.882)	220642	53.8348	10.767
$ 5 1,2-Dichloroethane-d4	65	4.431	4.431	(0.940)	269915	55.3148	11.063
$ 6 Toluene-d8	98	6.055	6.055	(0.824)	731529	50.8525	10.170
$ 7 Bromofluorobenzene	95	8.451	8.451	(1.150)	241166	47.0405	9.408
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0634.D
Report Date: 11-Jul-2005 09:23

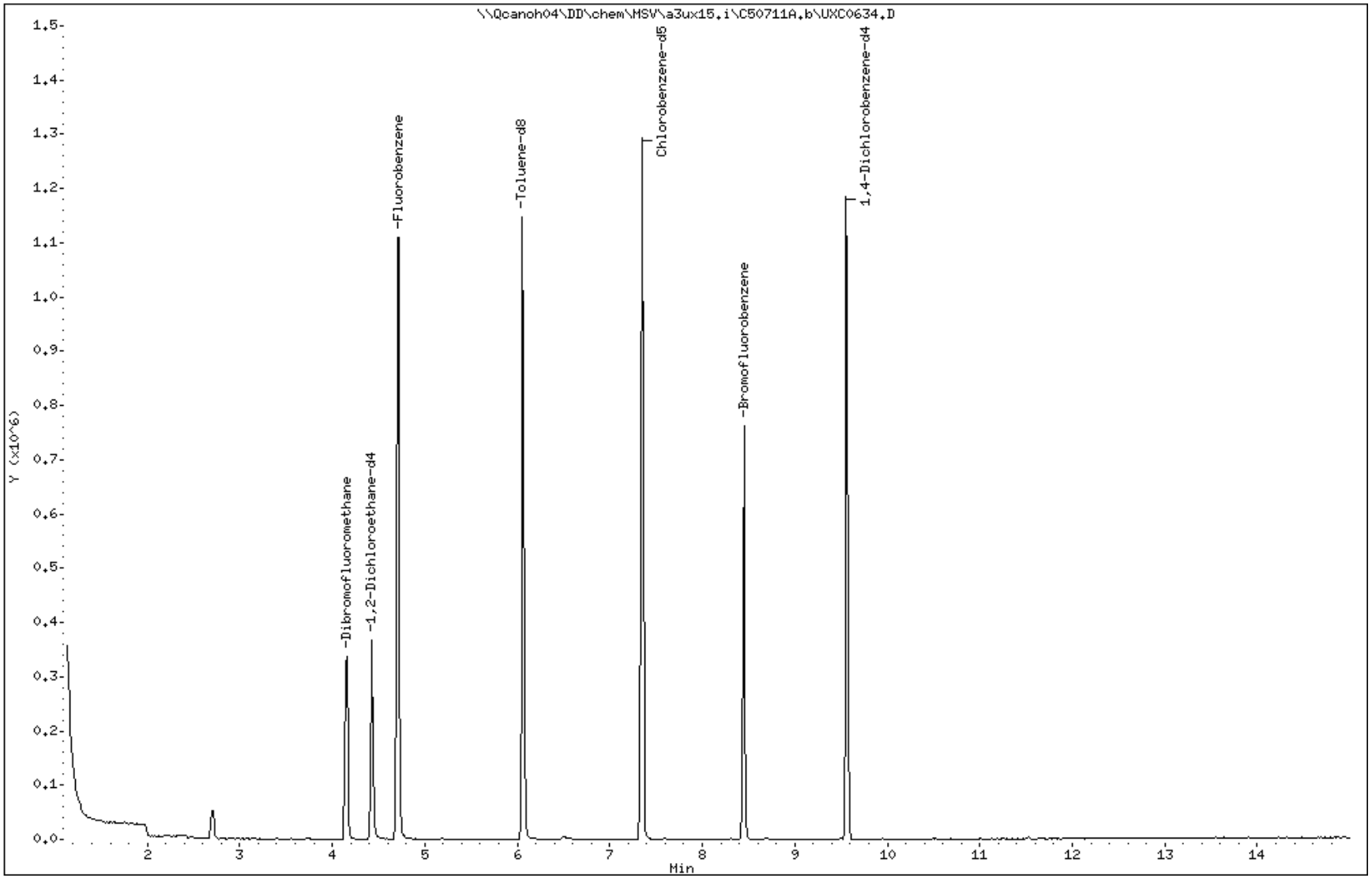
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux15.i\C50711A.b\UXC0634.D
Report Date: 11-Jul-2005 09:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	Compound Not Detected.					
81	1,4-Dichlorobenzene	146	Compound Not Detected.					
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	Compound Not Detected.					
84	1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	Compound Not Detected.					
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	Compound Not Detected.					
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	Compound Not Detected.					
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	Compound Not Detected.					
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	Compound Not Detected.					
101	2-Nitropropane	41	Compound Not Detected.					
103	Cyclohexanone	55	Compound Not Detected.					
98	Cyclohexane	56	Compound Not Detected.					
143	Methyl Acetate	43	Compound Not Detected.					
144	Methylcyclohexane	83	Compound Not Detected.					
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146	2-Methylnaphthalene	142	Compound Not Detected.					

Data File: \\Qcanoh04\DD\chem\MSV\a3ux15.i\C50711A.b\UXC0634.D
Date : 11-JUL-2005 08:52
Client ID:
Instrument: a3ux15.i
Sample Info: VBLK,5ML/5ML
Purge Volume: 5.0
Operator: 1754
Column phase: DB624
Column diameter: 0.18



METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A5F300251 **Work Order #...:** HE9CW1AA **Matrix.....:** WATER
MB Lot-Sample #: A5G120000-105

Prep Date.....: 07/11/05 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 07/11/05 **Prep Batch #...:** 5193105
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(73 - 122)
1,2-Dichloroethane-d4	100	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5390.D
Report Date: 12-Jul-2005 09:12

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5390.D
Lab Smp Id: VBLK
Inj Date : 11-JUL-2005 14:12
Operator : 43582 Inst ID: a3ux11.i
Smp Info : VBLK
Misc Info : J50711A,8260LLUX11,,43582,3,,BLANK,,0
Comment :
Method : \\QCANOH04\dd\chem\MSV\a3ux11.i\J50711A.b\8260LLUX11.m
Meth Date : 11-Jul-2005 13:16 Quant Type: ISTD
Cal Date : 22-JUN-2005 14:33 Cal File: UXJ4782.D
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+ix.sub
Target Version: 4.14
Processing Host: QCANOH05

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

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1 Fluorobenzene	96	4.996	4.984	(1.000)	1781892	50.0000	
* 2 Chlorobenzene-d5	117	7.635	7.635	(1.000)	1636268	50.0000	
* 3 1,4-Dichlorobenzene-d4	152	9.860	9.859	(1.000)	925012	50.0000	
$ 4 Dibromofluoromethane	113	4.428	4.428	(0.886)	393477	46.6874	9.337
$ 5 1,2-Dichloroethane-d4	65	4.712	4.712	(0.943)	562099	50.2332	10.047
$ 6 Toluene-d8	98	6.334	6.333	(0.830)	1794499	49.8620	9.972
$ 7 Bromofluorobenzene	95	8.736	8.735	(1.144)	847025	47.9214	9.584
8 Dichlorodifluoromethane	85	Compound Not Detected.					
9 Chloromethane	50	Compound Not Detected.					
10 Vinyl Chloride	62	Compound Not Detected.					
11 Bromomethane	94	Compound Not Detected.					
12 Chloroethane	64	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Acrolein	56	Compound Not Detected.					
16 Acetone	43	Compound Not Detected.					
17 1,1-Dichloroethene	96	Compound Not Detected.					
18 Freon-113	151	Compound Not Detected.					
19 Iodomethane	142	Compound Not Detected.					
20 Carbon Disulfide	76	Compound Not Detected.					
21 Methylene Chloride	84	Compound Not Detected.					

22	Acetonitrile	41	Compound Not Detected.
23	Acrylonitrile	53	Compound Not Detected.

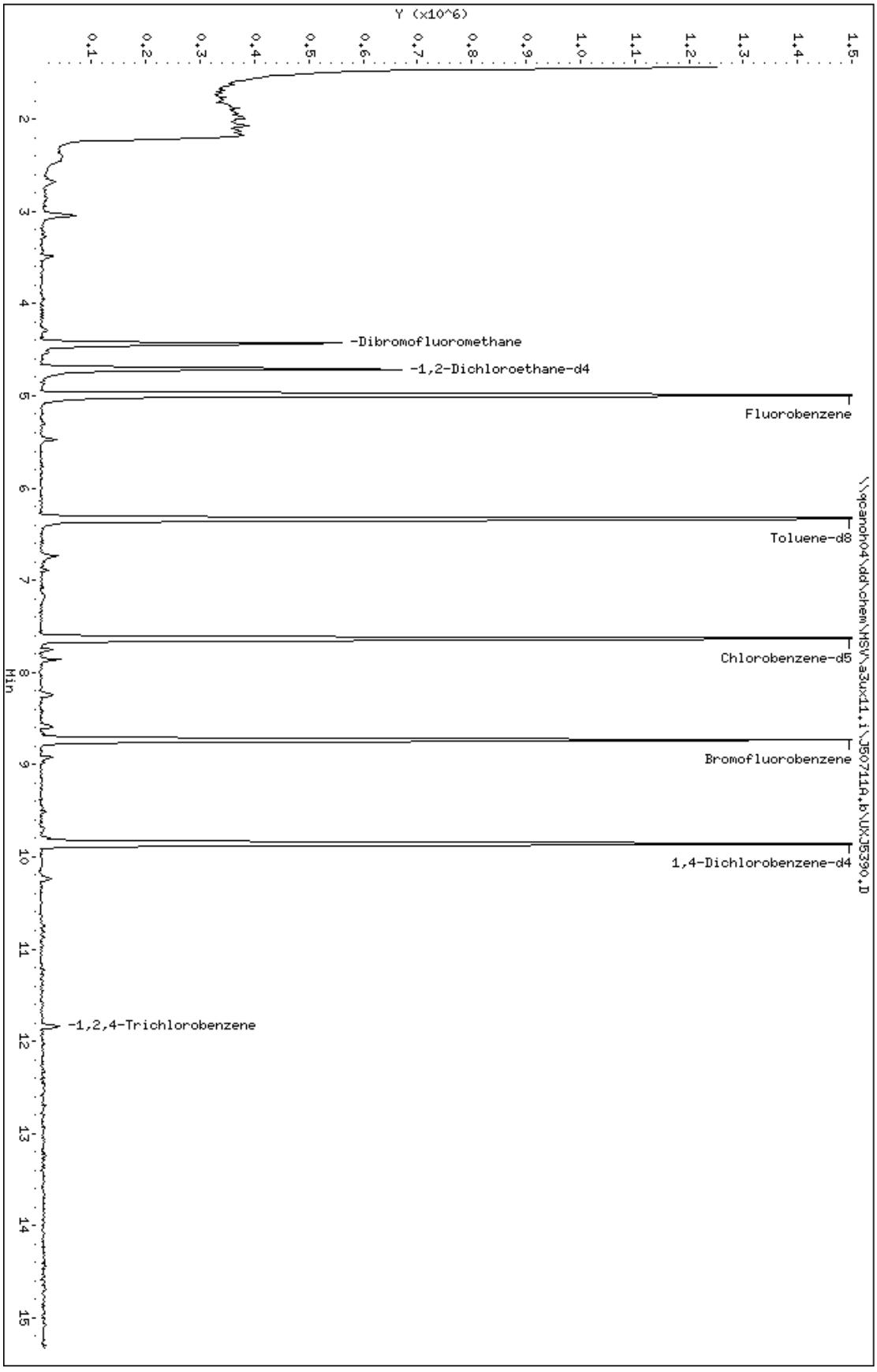
Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5390.D
Report Date: 12-Jul-2005 09:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	Compound Not Detected.					
	25 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	26 Hexane	86	Compound Not Detected.					
	27 Vinyl acetate	43	Compound Not Detected.					
	28 1,1-Dichloroethane	63	Compound Not Detected.					
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	Compound Not Detected.					
M	31 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	32 cis-1,2-dichloroethene	96	Compound Not Detected.					
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	Compound Not Detected.					
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	Compound Not Detected.					
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	Compound Not Detected.					
	40 1,2-Dichloroethane	62	Compound Not Detected.					
	41 Benzene	78	Compound Not Detected.					
	42 Trichloroethene	130	Compound Not Detected.					
	43 1,2-Dichloropropane	63	Compound Not Detected.					
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	Compound Not Detected.					
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	49 4-Methyl-2-pentanone	43	Compound Not Detected.					
	50 Toluene	91	Compound Not Detected.					
	51 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	Compound Not Detected.					
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	Compound Not Detected.					
	56 2-Hexanone	43	Compound Not Detected.					
	57 Dibromochloromethane	129	Compound Not Detected.					
	58 1,2-Dibromoethane	107	Compound Not Detected.					
	59 Chlorobenzene	112	Compound Not Detected.					
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	Compound Not Detected.					
	62 m + p-Xylene	106	Compound Not Detected.					
M	63 Xylenes (total)	106	Compound Not Detected.					
	64 Xylene-o	106	Compound Not Detected.					
	65 Styrene	104	Compound Not Detected.					
	66 Bromoform	173	Compound Not Detected.					
	67 Isopropylbenzene	105	Compound Not Detected.					
	68 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5390.D
Report Date: 12-Jul-2005 09:12

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
78 sec-Butylbenzene	105	Compound Not Detected.					
79 4-Isopropyltoluene	119	Compound Not Detected.					
80 1,3-Dichlorobenzene	146	Compound Not Detected.					
81 1,4-Dichlorobenzene	146	Compound Not Detected.					
82 n-Butylbenzene	91	Compound Not Detected.					
83 1,2-Dichlorobenzene	146	Compound Not Detected.					
84 1,2-Dibromo-3-chloropropane	157	Compound Not Detected.					
85 1,2,4-Trichlorobenzene	180	11.848	11.847	(1.202)	15143	1.55961	0.3119
86 Hexachlorobutadiene	225	Compound Not Detected.					
87 Naphthalene	128	Compound Not Detected.					
88 1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	Compound Not Detected.					
92 Isopropyl Ether	87	Compound Not Detected.					
93 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	Compound Not Detected.					
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	Compound Not Detected.					
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	Compound Not Detected.					
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	Compound Not Detected.					
98 Cyclohexane	56	Compound Not Detected.					
143 Methyl Acetate	43	Compound Not Detected.					
144 Methylcyclohexane	83	Compound Not Detected.					
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					


Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5390.D
Date : 11-JUL-2005 14:12
Client ID:
Sample Info: VBLK
Purge Volume: 5.0
Column phase: DB624
Instrument: a3ux11.i
Operator: 43582
Column diameter: 0.18
Y (x10^6)
Min
-Dibromofluoromethane
-1,2-Dichloroethane-d4
Fluorobenzene
Toluene-d8
Chlorobenzene-d5
Bromofluorobenzene
1,4-Dichlorobenzene-d4
-1,2,4-Trichlorobenzene
\\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5390.D

Data File: \\qcanoh04\dd\chem\MSV\a3ux11.i\J50711A.b\UXJ5390.D

Date : 11-JUL-2005 14:12

Client ID:

Instrument: a3ux11.i

Sample Info: VBLK

Purge Volume: 5.0

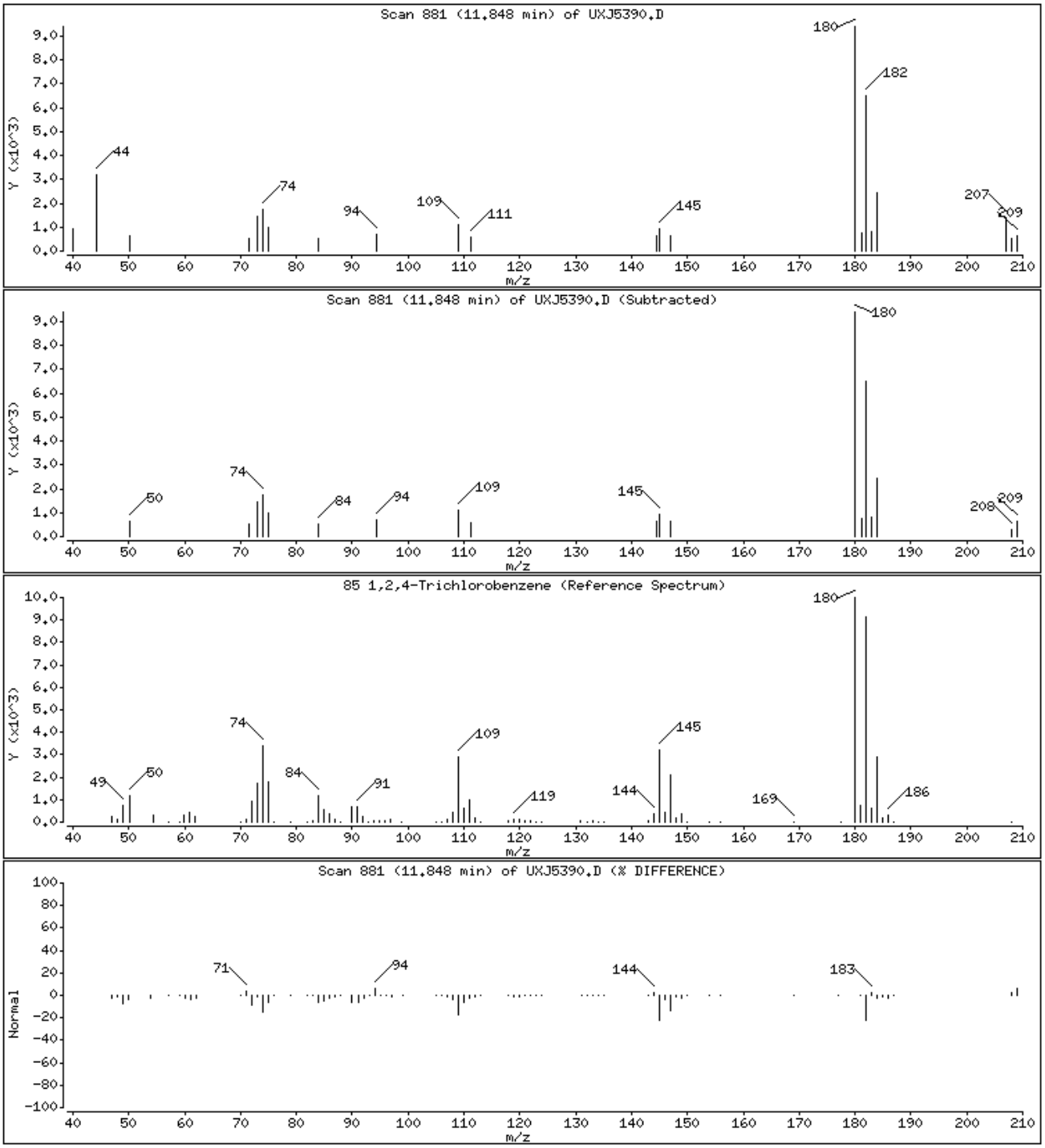
Operator: 43582

Column phase: DB624

Column diameter: 0.18

85 1,2,4-Trichlorobenzene

Concentration: 0.3119 ug/L



MISCELLANEOUS DATA

UX11
Batch # 5174183

STL-North Canton
GC/MS VOA Run Log

(6/24)

Date: 6/22/05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V3175 SS # V3176	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB178	50ng	dir inject	9:45	On
1	VOI STD		UX J4771	5ng	V3171, 83, 86		On
2	VOI STD		72	10ng	V3203	J50622	On
3	VOI STD		73	25ng			On
~~4~~	~~VOI STD~~		~~74~~	50ng			On
5	VOI STD		75	100ng		® Archon fault	—
6	VOI STD		76	200ng			On
7	DCV		77	50ng	V3174		On
8	VOI STD		78	100ng			On
9	Aa STD		79	5ng	V3163, 90		On
10	Aa STD		80	10ng			On
11	Aa STD		81	25ng		J50622	On
12	Aa STD		82	50ng			On
13	Aa STD		83	100ng			On
14	Aa STD		84	200ng			On
15	Check	HD7QP	85	50ng			On
16	Check Dup		86				On
17	Blank		87	5ml			On
18	HC8QL1AA	ED	88				ok
19	HC8Q31AA		89				On
20	HC8Q61AA		90				On
21	HC8Q81AA		91				On
22	HC8Q91AA		92				On
23	HC8RC1AA		93	0.9ml/5ml			ok
24	HC8QX2AA		94	5ml			On
25	HC8RC2AA		95				On
26	HDDFV1AP	(S)	96	0.1ml/5ml	+50ng		On
27	HDDFV1AQ	(D)	97				On
28	HDDFV1AA		98	0.1ml/5ml			On
29	HDC3Q1AA		99	5ml			On
30	HDC3T1AA		4800				On
31							
32							

090118
100161
100133

Analyst: [signature]
Level 2 review: [signature]

PDF Made: ✓

UX11
Batch # 518920

STL-North Canton
GC/MS VOA Run Log

(7/7)

Date: 7/8/05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	45 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min	IS # V3252 SS # V3253	Hold 3 min	Bake: 5 min @ 250 C
			Heated purge: Yes No

Auto num	SampleID Worksheet	Method	Filename	Purge Forged	Std mix/vol Sample mL	Comments	Sample status
1	BFB7		BFB199	50mg	dumped	7:13	on
1	VO CSTD		UNJ5358	|	V3242, 43, 44 J5062 2	on
2	AR STD		59	|	V3253, 54	on
3	Check	HE32F	60	|	V3238	on
4	Check Dup	|	61	|		on
5	Blank	|	62	5mL		on
6	HELEVAA	ED	63	|		on
7	HEZFEAA	|	64	1.25mL/5mL		on
8	HEZFLIAA	|	65	0.625mL/5mL		on
9	HEZFMIAA	|	66	0.125mL/5mL		on
10	HENR4IAA	GM/ED	67	5mL		on
11	HENR7IAA	|	68	|		on
12	HENYHIAA	|	69	|		on
13	HEZFFIAA	ED	70	|		on
14	HEKQ5IAA		71	5mL		on
15	HEKVJIAA	ED	72	|		on
16	HEKSAIAA	|	73	|		on
17	HEKSQIAA		74	|		on
18	HEKSWIAA		75	|		on
19	HEKS2IAA		76	|		on
20	HENXMIAA		77	|		on
21	HENXNIAA		78	|		on
22	HENXVIAA		79	|		on
23	HENR7IAC	(S)	80	|	50mg	on
24	HENR7IAD	(D)	81	|	|	on
25	HENJ0IAA	ED	82	|		on
26	HENS9IAA	|	83	|		on
27	HEN60IAA	|	84	|		on
						7/11/05	

0.300H7
H912

Analyst: JM
Level 2 review: CMR
PDF Made: ✓

UX11
Batch # 57931 05

STL-North Canton
GC/MS VOA Run Log

Date: 11/1/05

Column
Type: DB624
Length 20 M
I.D. 0.18 mm
Flow Rate 0.4ml/min

BFB
100 C for 0.1 min
to 200 C @ 20 C/min
Hold -- min
IS # 13252 SS # 03253

Analysis
40 C for 2 min
to 200 C @ 15 C/min
to -- C @ -- C/min
Hold 3 min

Purge & Trap
Trap: #10
Purge: 11
Desorb: 1 min @240 C
Bake: 5 min @ 250 C
Heated purge: Yes No

Auto num	Sample ID Workorder	Method	File Name	Amt purged	Std number Sample prep	Comments	Sample status
11/04	BFB		BFB201	50mL	direct	(11:02)	on
1	40 ml Blank		blank	5mL			— 7/6/05
2	LCS STD		UX5385	50mL		JSD622	on (2)
3	AQ STD		86		13254, 3190 1		on
4	LOI STD		87		V3242, 43 44 JSD622		on
5	Check	HEQCW	88		13262		on
6	Check	Dup	89				on
7	blank		90	5mL			on
8	HECHRIAK		91				on
9	HELSWIAL		92				on
10	HELSOIAN		93				on
11	HELS2IAO		94				on
12	HELS5IAL		95				on
13	HELSJIAL		96				on
14	HELGAIAL		97				on
15	HELGNIAHL		98				on
16	HELGS IAA		99				on
17	HEQ68IAA		400	0.45mL	5mL		on
18	HENOFIAK	SD	01	5mL			on
19	HEN66IAA		02				on
20	HEN6PIAK		03				on
21	HEN6WIAK		04				on
22	HEN70IAK		05				on
23	HEQ68IAL		06	0.45mL	5mL 13254		on
24	HEQ68IAO		07	1	1		on
25	HEN7FIAK		08	5mL			on
26	HEN7HIAK		09				on
27	HEN7KIAK		10			FOAMER!!!	on
28	HEN7MIAK		11				on
29	HERCNIAA		12				on
30			13				

11/2/05

Analyst: [signature]
Level 2 review: SAM 7/13/05

PDF Made: SAM 7/13/05

UX15 290 1037/8VAF 010 1817/8 **STL-North Canton** 7/7 Date: 7-7-05
Batch # 5189118 CD **GC/MS VOA Run Log** K

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	40 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V32H0 SS # V32H1		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB02H	50 ng	Direct Inject	07:0H	OK
1	A9 Cal		UXC05H0	↓	V32BH V3236	V50615	OK
2	8260 Cal		H1	200 ng	V32H2 V32H3,HH	V50707	OK
3	↓		H2	100	~~V3234~~	↓	OK
4			H3	50			OK
5			H4	25			OK
6			H5	10			OK
7			H6	5			OK
8	ICV		H7	50 ng	1 CMR 7-8-05 V32H3	No Army	OK
9	LCS		H8	↓	V3238	HC3F5-1AC	OK
10	LCSD		H9	↓	↓	1AD	OK
11	V Blank		50	5ml		1AA	OK
12	HED3G-1AC		51	1ml/5ml		Foamer/TICs	OK
13	HED3Q-1AU		52	5ml			OK
14	HEKEL-1AC		53	↓			OK
15	HEKEO-1AA		54				OK
16	HELR5-1AA		55				OK
17	HELVD-1AA		56				OK
18	HELWE-1AA		57	↓			OK
19	HEP2G-1AC		58	5ml			OK
20	HEP3D-1AC		59	↓			OK
21	HERE5-1AA	TICs	60	5ml			OK
22	HER1C-1AM	↓	61	↓			OK
23	HER1G-1AM		62				OK
24	HER1K-1AM		63				OK
25	HET ~~HER~~ 81-1AA	CMR 7-8-05	64				OK
26	HET8H-1AA		65				OK
27	HET85-1AA		66	↓			OK
28	HEHPL-1AC		UXC0567	0.875ml/5ml			OK
29	HEHPP-1AC		68	↓			OK
30	HEHPT-1AC		69			18:HH	OK
31	MS		70	50 ng	V3238	Out of Tune	–
32	MSD		UXC0571	↓	↓	↓	–

Analyst: CMR
Level 2 review: B
PDF Made: ✓

300 201 7/14 070 172 7/12
020 152 7/12

7/12

UX15
Batch # 519 3076

STL-North Canton
GC/MS VOA Run Log

Date: 7-11-05

Column	BFB	Analysis	Purge & Trap
Type: DB624	100 C for 0.1 min	40 C for 2 min	Trap: #10
Length 20 M	to 200 C @ 20 C/min	to 200 C @ 15 C/min	Purge: 11
I.D. 0.18 mm	Hold -- min	to -- C @ -- C/min	Desorb: 1 min @240 C
Flow Rate 0.4ml/min		Hold 3 min	Bake: 5 min @ 250 C
	IS # V3263 SS # V3264		Heated purge: Yes No

Auto num	Sample ID Workorder#	Method	File Name	Amt purged	Std number / Sample prep	Comments	Sample status
	BFB		BFB 027	CMR 7-14-05 50ng	Direct Inject	06:58	OK
1	A9 Cal		UXC 0600	CMR 7-11-05	V3190 V3254	V 50615	OK
2	Val Cal		301		V3242 V3243, 44	V 50707	OK
3	LC2		302		V3262	HC497-1AC	OK
4	LCSD		303			1AD	OK
5	Val Blank		34	5ml		1AA	OK
6	HENND-1AA		35				OK
7	HENNG-1AA		36				OK
8	HENP1-1AA		37	2ml/5ml			OK
9	HENP3-1AA		38	5ml			OK
10	HENP6-1AA		39	1.5ml/5ml			OK
11	HENP8-1AA		40	5ml			OK
12	HENQD-1AA		41				OK
13	HENN8-1AA ~~HENU1-1AK~~	CMR 7-11-05	42	2.5ml/5ml		RR 1.5ml	—
14	HENPA-1AA ~~HENU5-1AK~~		43	5ml			OK
15	HENU1-1AK		44				OK
16	HEN65-1AK		45				OK
17	HEN68-1AK		46				OK
18	HEN7P-1AK ~~HET5Q-1AA~~		47				OK
19*	HEN7T-1AK ~~HET5V-1AA~~		48				OK
20	HET5Q-1AA		49				OK
21	HET5V-1AA		50				OK
22	HELL7-1AA	>2	51				OK
23	HELM9-1AA		52	0.1ml/5ml			OK
24	1AC		53	50ng			OK
25	1AD		54				OK
26	HELNF-1AA		55	0.275ml/5ml			OK
27	HELNG-1AA		56				OK 2792
28	HENN8-1AA		UXC 0657	1.5ml/5ml			OK
						CMR 7-12-05	

Analyst: [illegible]
Level 2 review: [illegible]

PDF Made: ✓

pH/Free Chlorine Worksheet

Lot: A5F300251

A5F300251

Sample	Work Order	SAC	Client Sample ID	pH	Free Chlorine
1	HEN50-1AA	XX I 25 QK 01	MW-301	<2	N
2	HEN59-1AK	XX I 25 QK 01	MW-13	<2	N
3	HEN6D-1AK	XX I 25 QK 01	MW-106	<2	N
4	HEN6F-1AK	XX I 25 QK 01	MW-105	<2	N
5	HEN6G-1AA	XX I 25 QK 01	MW-105 DUP	<2	N
6	HEN6P-1AK	XX I 25 QK 01	MW-G	<2	N
7	HEN6W-1AK	XX I 25 QK 01	MW-101	<2	N
8	HEN61-1AK	XX I 25 QK 01	MW-A	<2	N
9	HEN65-1AK	XX I 25 QK 01	MW-112	<2	N
10	HEN68-1AK	XX I 25 QK 01	MW-110	<2	N
11	HEN7D-1AK	XX I 25 QK 01	MW-109	<2	N
12	HEN7F-1AK	XX I 25 QK 01	MW-108	<2	N
13	HEN7H-1AK	XX I 25 QK 01	MW-103	<2	N
14	HEN7K-1AK	XX I 25 QK 01	MW-104	<2	N
15	HEN7M-1AK	XX I 25 QK 01	MW-402	<2	N
16	HEN7P-1AK	XX I 25 QK 01	MW-401	<2	N
17	HEPDT-1AK	XX I 25 QK 01	MW-102	<2	N

Lot/SDG Number: **A5F300251**

Sample Control Chain of Custody - STL North Canton
GC/MS Volatiles

Lot Number	Sample	Work Order	Analysis Type	Analysis Date	Analyst
A5F300251	1	HEN501AA	Volatile Organics, GC/MS (8260B)	07/08/05	Laura Evans
A5F300251	2	HEN591AK	Volatile Organics, GC/MS (8260B)	07/08/05	Laura Evans
A5F300251	3	HEN6D1AK	Volatile Organics, GC/MS (8260B)	07/08/05	Laura Evans
A5F300251	4	HEN6F1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	5	HEN6G1AA	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	6	HEN6P1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	7	HEN6W1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	8	HEN611AK	Volatile Organics, GC/MS (8260B)	07/11/05	Carolynne Roach
A5F300251	9	HEN651AK	Volatile Organics, GC/MS (8260B)	07/11/05	Carolynne Roach
A5F300251	10	HEN681AK	Volatile Organics, GC/MS (8260B)	07/11/05	Carolynne Roach
A5F300251	11	HEN7D1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	12	HEN7F1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	13	HEN7H1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	14	HEN7K1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	15	HEN7M1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Laura Evans
A5F300251	16	HEN7P1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Carolynne Roach
A5F300251	17	HEPDT1AK	Volatile Organics, GC/MS (8260B)	07/11/05	Carolynne Roach

METALS DATA

FORMS DATA

Matrix Environmental, Inc.

Client Sample ID: MW-301

TOTAL Metals

Lot-Sample #...: A5F300251-001 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN501AR
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.075 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501AT**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN501AU
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.19 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501AV**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**43.6 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501AW**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN501AX
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.043 B**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501A0**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN501A7
		Dilution Factor: 1		Analysis Time..: 15:38	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**2.4 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501A4**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**29.1**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501A1**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-301

TOTAL Metals

Lot-Sample #...: A5F300251-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.012 B,J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501A2**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**20.1**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501A5**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0090 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501A3**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**0.029 J**	**0.020**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501A6**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN501AJ
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN501AK
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN501AL
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN501AQ
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN501AM
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN501AH
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-301

TOTAL Metals

Lot-Sample #...: A5F300251-001 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.0028 B,J**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN501AN**
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN501AP
		Dilution Factor: 1		Analysis Time..: 01:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-B

TOTAL Metals

Lot-Sample #...: A5F300251-002 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:17 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN591A2
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.086 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591A3**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN591A4
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.43**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591A5**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**47.3 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591A6**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN591A7
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.45**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591AA**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN591AJ
		Dilution Factor: 1		Analysis Time..: 15:42	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**1.9 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591AF**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**40.6**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591AC**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-B

TOTAL Metals

Lot-Sample #...: A5F300251-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.011 B,J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591AD**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**38.6**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591AG**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN591AE
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**0.010 B,J**	**0.020**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591AH**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN591AT
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN591AU
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN591AV
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN591A1
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN591AW
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN591AR
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-B

TOTAL Metals

Lot-Sample #...: A5F300251-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.0030 B,J**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN591AX**
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN591A0
		Dilution Factor: 1		Analysis Time..: 01:30	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-106

TOTAL Metals

Lot-Sample #...: A5F300251-003 **Matrix.....:** WG
Date Sampled...: 06/28/05 11:40 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1A2
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.19 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1A3**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00032 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1A4**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.25**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1A5**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**267 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1A6**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1A7
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**20.5**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1AA**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN6D1AJ
		Dilution Factor: 1		Analysis Time..: 15:49	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**5.7 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1AF**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**100**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1AC**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-106

TOTAL Metals

Lot-Sample #...: A5F300251-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.43 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1AD**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**79.1**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6D1AG**
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1AE
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1AH
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1AT
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1AU
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1AV
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1A1
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1AW
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1AR
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-106

TOTAL Metals

Lot-Sample #...: A5F300251-003 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1AX
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6D1A0
		Dilution Factor: 1		Analysis Time..: 01:35	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-105

TOTAL Metals

Lot-Sample #...: A5F300251-004 **Matrix.....:** WG
Date Sampled...: 06/28/05 11:15 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1A2
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.16 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6F1A3**
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1A4
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.34**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6F1A5**
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**112 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6F1A6**
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1A7
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**3.5**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6F1AA**
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN6F1AJ
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**16.5 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6F1AF**
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**67.0**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6F1AC**
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-105

TOTAL Metals

Lot-Sample #...: A5F300251-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.025 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6F1AD**
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**131**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6F1AG**
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1AE
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1AH
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1AT
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1AU
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1AV
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1A1
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1AW
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1AR
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-105

TOTAL Metals

Lot-Sample #...: A5F300251-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1AX
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6F1A0
		Dilution Factor: 1		Analysis Time..: 01:40	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-105 DUP

TOTAL Metals

Lot-Sample #...: A5F300251-005 **Matrix.....:** WG
Date Sampled...: 06/28/05 11:15 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AM
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.17 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1AN**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00032 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1AP**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.36**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1AQ**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**118 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1AR**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AT
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**3.8**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1AU**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN6G1A3
		Dilution Factor: 1		Analysis Time..: 15:52	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**17.2 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1A0**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**70.3**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1AV**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-105 DUP

TOTAL Metals

Lot-Sample #...: A5F300251-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.026 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1AW**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**138**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6G1A1**
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AX
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1A2
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AE
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AF
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AG
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AL
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AH
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AD
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-105 DUP

TOTAL Metals

Lot-Sample #...: A5F300251-005 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AJ
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6G1AK
		Dilution Factor: 1		Analysis Time..: 01:45	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-G

TOTAL Metals

Lot-Sample #...: A5F300251-006 **Matrix.....:** WG
Date Sampled...: 06/28/05 14:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1A2
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.15 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1A3**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1A4
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.073 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1A5**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**76.4 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1A6**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1A7
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**1.2**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1AA**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN6P1AJ
		Dilution Factor: 1		Analysis Time..: 15:53	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**1.6 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1AF**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**45.6**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1AC**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-G

TOTAL Metals

Lot-Sample #...: A5F300251-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.026 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1AD**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**11.7**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1AG**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1AE
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1AH
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1AT
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1AU
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1AV
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1A1
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1AW
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1AR
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-G

TOTAL Metals

Lot-Sample #...: A5F300251-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.0030 B,J**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6P1AX**
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6P1A0
		Dilution Factor: 1		Analysis Time..: 01:50	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-101

TOTAL Metals

Lot-Sample #...: A5F300251-007 **Matrix.....:** WG
Date Sampled...: 06/28/05 17:40 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1A2
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.074 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1A3**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00048 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1A4**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.16 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1A5**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**157 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1A6**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1A7
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**3.5**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1AA**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN6W1AJ
		Dilution Factor: 1		Analysis Time..: 15:56	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**5.3 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1AF**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**91.7**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1AC**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-101

TOTAL Metals

Lot-Sample #...: A5F300251-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.043 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1AD**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**160**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1AG**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.014 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1AE**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1AH
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1AT
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1AU
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1AV
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	**0.0048 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN6W1A1**
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1AW
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1AR
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-101

TOTAL Metals

Lot-Sample #...: A5F300251-007 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1AX
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN6W1A0
		Dilution Factor: 1		Analysis Time..: 02:10	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-A

TOTAL Metals

Lot-Sample #...: A5F300251-008 **Matrix.....:** WG
Date Sampled...: 06/28/05 08:25 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN611A2
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.058 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611A3**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00036 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611A4**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.23**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611A5**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**90.5 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611A6**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN611A7
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.43**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611AA**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN611AJ
		Dilution Factor: 1		Analysis Time..: 15:43	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**3.1 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611AF**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**58.3**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611AC**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-A

TOTAL Metals

Lot-Sample #...: A5F300251-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.0050 B,J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611AD**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**47.0**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN611AG**
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN611AE
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN611AH
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN611AT
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN611AU
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN611AV
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN611A1
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN611AW
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN611AR
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-A

TOTAL Metals

Lot-Sample #...: A5F300251-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN611AX
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN611A0
		Dilution Factor: 1		Analysis Time..: 02:15	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-112

TOTAL Metals

Lot-Sample #...: A5F300251-009 **Matrix.....:** WG
Date Sampled...: 06/29/05 15:45 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	**0.060 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651A2**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.066 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651A3**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00038 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651A4**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.16 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651A5**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**139 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651A6**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN651A7
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**3.5**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651AA**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN651AJ
		Dilution Factor: 1		Analysis Time..: 15:44	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**3.5 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651AF**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**71.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651AC**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-112

TOTAL Metals

Lot-Sample #...: A5F300251-009 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.076 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651AD**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**129**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651AG**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN651AE
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**0.0072 B,J**	**0.020**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN651AH**
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN651AT
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN651AU
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN651AV
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN651A1
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN651AW
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN651AR
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-112

TOTAL Metals

Lot-Sample #...: A5F300251-009 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN651AX
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN651A0
		Dilution Factor: 1		Analysis Time..: 02:19	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-110

TOTAL Metals

Lot-Sample #...: A5F300251-010 **Matrix.....:** WG
Date Sampled...: 06/29/05 13:15 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN681A2
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.13 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681A3**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00036 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681A4**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.43**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681A5**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**114 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681A6**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN681A7
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**3.1**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681AA**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN681AJ
		Dilution Factor: 1		Analysis Time..: 15:48	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**22.8 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681AF**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**81.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681AC**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-110

TOTAL Metals

Lot-Sample #...: A5F300251-010 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.016 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681AD**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**122**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN681AG**
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN681AE
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN681AH
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN681AT
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN681AU
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN681AV
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN681A1
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN681AW
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN681AR
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-110

TOTAL Metals

Lot-Sample #...: A5F300251-010 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN681AX
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN681A0
		Dilution Factor: 1		Analysis Time..: 02:24	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-109

TOTAL Metals

Lot-Sample #...: A5F300251-011 **Matrix.....:** WG
Date Sampled...: 06/29/05 14:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1A2
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.046 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1A3**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00038 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1A4**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.29**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1A5**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**111 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1A6**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	**0.0063 B**	**0.025**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1A7**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**2.5**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1AA**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN7D1AJ
		Dilution Factor: 1		Analysis Time..: 15:58	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**3.5 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1AF**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**94.6**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1AC**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-109

TOTAL Metals

Lot-Sample #...: A5F300251-011 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.014 B,J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1AD**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**91.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1AG**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0017 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7D1AE**
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1AH
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1AT
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1AU
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1AV
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1A1
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1AW
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1AR
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-109

TOTAL Metals

Lot-Sample #...: A5F300251-011 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1AX
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7D1A0
		Dilution Factor: 1		Analysis Time..: 02:29	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-108

TOTAL Metals

Lot-Sample #...: A5F300251-012 **Matrix.....:** WG
Date Sampled...: 06/29/05 21:50 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1A2
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.051 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1A3**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00039 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1A4**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.16 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1A5**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**87.8 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1A6**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1A7
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.84**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1AA**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN7F1AJ
		Dilution Factor: 1		Analysis Time..: 15:59	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**1.6 B,J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1AF**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**46.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1AC**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-108

TOTAL Metals

Lot-Sample #...: A5F300251-012 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.077 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1AD**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**25.0**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1AG**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0044 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7F1AE**
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1AH
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1AT
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1AU
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1AV
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1A1
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1AW
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1AR
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-108

TOTAL Metals

Lot-Sample #...: A5F300251-012 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1AX
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7F1A0
		Dilution Factor: 1		Analysis Time..: 02:34	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-103

TOTAL Metals

Lot-Sample #...: A5F300251-013 **Matrix.....:** WG
Date Sampled...: 06/29/05 23:20 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1A2
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.10 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1A3**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00041 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1A4**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.32**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1A5**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**146 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1A6**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1A7
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**4.2**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1AA**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN7H1AJ
		Dilution Factor: 1		Analysis Time..: 16:00	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**25.5 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1AF**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**75.3**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1AC**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-103

TOTAL Metals

Lot-Sample #...: A5F300251-013 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.019 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1AD**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**131**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1AG**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1AE
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1AH
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1AT
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1AU
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1AV
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1A1
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1AW
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1AR
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-103

TOTAL Metals

Lot-Sample #...: A5F300251-013 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.0030 B,J**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7H1AX**
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7H1A0
		Dilution Factor: 1		Analysis Time..: 02:39	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-104

TOTAL Metals

Lot-Sample #...: A5F300251-014 **Matrix.....:** WG
Date Sampled...: 06/29/05 12:17 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1A2
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.54**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1A3**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00041 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1A4**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.82**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1A5**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**101 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1A6**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1A7
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**4.7**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1AA**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN7K1AJ
		Dilution Factor: 1		Analysis Time..: 16:01	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**67.3 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1AF**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**87.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1AC**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-104

TOTAL Metals

Lot-Sample #...: A5F300251-014 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.14 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1AD**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**227**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1AG**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0020 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1AE**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1AH
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1AT
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1AU
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	**0.0053 B**	**0.0070**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7K1AV**
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1A1
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1AW
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1AR
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-104

TOTAL Metals

Lot-Sample #...: A5F300251-014 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1AX
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7K1A0
		Dilution Factor: 1		Analysis Time..: 02:44	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-402

TOTAL Metals

Lot-Sample #...: A5F300251-015 **Matrix.....:** WG
Date Sampled...: 06/29/05 17:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1A2
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.16 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1A3**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00042 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1A4**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**4.7**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1A5**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**220 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1A6**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1A7
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.67**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1AA**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN7M1AJ
		Dilution Factor: 1		Analysis Time..: 16:05	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**9.4 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1AF**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**66.5**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1AC**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-402

TOTAL Metals

Lot-Sample #...: A5F300251-015 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.52 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1AD**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**186**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1AG**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1AE
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	**0.0070 B,J**	**0.020**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7M1AH**
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1AT
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1AU
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1AV
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1A1
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1AW
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1AR
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-402

TOTAL Metals

Lot-Sample #...: A5F300251-015 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1AX
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7M1A0
		Dilution Factor: 1		Analysis Time..: 02:48	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-401

TOTAL Metals

Lot-Sample #...: A5F300251-016 **Matrix.....:** WG
Date Sampled...: 06/29/05 18:22 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1A2
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.55**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1A3**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00043 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1A4**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.49**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1A5**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**121 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1A6**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1A7
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**0.049 B**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1AA**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEN7P1AJ
		Dilution Factor: 1		Analysis Time..: 16:06	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**35.2 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1AF**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**66.8**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1AC**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-401

TOTAL Metals

Lot-Sample #...: A5F300251-016 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.0084 B,J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1AD**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**60.7**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1AG**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	**0.0017 B**	**0.040**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEN7P1AE**
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1AH
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1AT
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1AU
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1AV
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1A1
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1AW
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1AR
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-401

TOTAL Metals

Lot-Sample #...: A5F300251-016 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1AX
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEN7P1A0
		Dilution Factor: 1		Analysis Time..: 02:53	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Matrix Environmental, Inc.

Client Sample ID: MW-102

TOTAL Metals

Lot-Sample #...: A5F300251-017 **Matrix.....:** WG
Date Sampled...: 06/28/05 18:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1A2
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.047		
Barium	**0.10 B**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1A3**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0032		
Beryllium	**0.00060 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1A4**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00030		
Boron	**0.20**	**0.20**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1A5**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.016		
Calcium	**184 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1A6**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.080		
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1A7
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0018		
Iron	**9.7**	**0.10**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1AA**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.032		
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEPDT1AJ
		Dilution Factor: 1		Analysis Time..: 16:07	Analyst ID.....: 001086	
		Instrument ID..: H1		MDL.....: 0.000090		
Potassium	**5.5 J**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1AF**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.054		
Magnesium	**39.6**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1AC**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.086		

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Matrix Environmental, Inc.

Client Sample ID: MW-102

TOTAL Metals

Lot-Sample #...: A5F300251-017 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**0.20 J**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1AD**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00023		
Sodium	**423**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1AG**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.41		
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1AE
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0014		
Zinc	ND	0.020	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1AH
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0066		
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1AT
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0043		
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1AU
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.00042		
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1AV
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0012		
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1A1
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0016		
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1AW
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0017		
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1AR
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0041		

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Matrix Environmental, Inc.

Client Sample ID: MW-102

TOTAL Metals

Lot-Sample #...: A5F300251-017 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	**0.0032 B,J**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEPDT1AX**
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0024		
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEPDT1A0
		Dilution Factor: 1		Analysis Time..: 03:13	Analyst ID.....: 001619	
		Instrument ID..: I5		MDL.....: 0.0019		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 7/6/2005 9:57 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	2.5	2.46	**98.2**								

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICV 7/12/2005 12:00 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	12500.0	12616.21	**100.9**								
Antimony	206.838	250.0	250.23	**100.1**								
Arsenic	189.042	250.0	243.86	**97.5**								
Barium	493.409	1000.0	962.96	**96.3**								
Beryllium	313.042	1000.0	1021.58	**102.2**								
Boron	249.678	1000.0	958.13	**95.8**								
Cadmium	226.502	250.0	252.81	**101.1**								
Calcium	317.933	25000.0	25019.45	**100.1**								
Chromium	267.716	1000.0	1008.49	**100.8**								
Cobalt	228.616	1000.0	1001.66	**100.2**								
Copper	324.753	1000.0	1016.22	**101.6**								
Iron	271.441	12500.0	12725.65	**101.8**								
Lead	220.353	250.0	255.52	**102.2**								
Magnesium	279.078	25000.0	24015.03	**96.1**								
Manganese	257.61	1000.0	990.58	**99.1**								
Nickel	231.604	1000.0	1010.73	**101.1**								
Potassium	766.491	25000.0	24942.84	**99.8**								
Selenium	196.026	250.0	249.34	**99.7**								
Sodium	330.232	25000.0	23824.54	**95.3**								
Vanadium	292.402	1000.0	982.17	**98.2**								
Zinc	213.856	1000.0	998.49	**99.8**								

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/6/2005 10:01 AM Found	% Rec	CCV 7/6/2005 10:09 AM Found	% Rec	CCV 7/6/2005 10:13 AM Found	% Rec	Ck2CCV 7/6/2005 10:19 AM Found	% Rec	Ck2CCV 7/6/2005 10:35 AM Found	% Rec
Mercury	253.7	5.0	4.92	**98.3**	4.75	**95.1**	4.88	**97.5**	4.84	**96.7**	4.76	**95.1**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck2CCV 7/6/2005 10:50 AM Found	% Rec	Ck2CCV 7/6/2005 10:59 AM Found	% Rec	Ck2CCV 7/6/2005 11:04 AM Found	% Rec	Ck2CCV 7/6/2005 11:19 AM Found	% Rec	Ck2CCV 7/6/2005 11:33 AM Found	% Rec
Mercury	253.7	5.0	4.79	**95.9**	4.74	**94.8**	4.49	**89.8**	4.62	**92.4**	4.56	**91.2**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck2CCV 7/6/2005 11:51 AM Found	% Rec	Ck2CCV 7/6/2005 12:07 PM Found	% Rec	Ck2CCV 7/6/2005 12:22 PM Found	% Rec	Ck2CCV 7/6/2005 12:28 PM Found	% Rec	Ck2CCV 7/6/2005 12:35 PM Found	% Rec
Mercury	253.7	5.0	4.51	**90.1**	4.48	**89.7**	4.36	**87.1**	4.37	**87.4**	4.46	**89.1**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck2CCV 7/6/2005 1:39 PM Found	% Rec	Ck2CCV 7/6/2005 1:59 PM Found	% Rec	Ck2CCV 7/6/2005 2:27 PM Found	% Rec	Ck2CCV 7/6/2005 2:31 PM Found	% Rec	Ck2CCV 7/6/2005 2:44 PM Found	% Rec
Mercury	253.7	5.0	4.14	**82.8**	4.14	**82.8**	4.09	**81.7**	4.12	**82.4**	4.08	**81.5**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	Ck2CCV 7/6/2005 3:12 PM Found	% Rec	Ck2CCV 7/6/2005 3:29 PM Found	% Rec	Ck2CCV 7/6/2005 3:46 PM Found	% Rec	Ck2CCV 7/6/2005 4:02 PM Found	% Rec	Ck2CCV 7/6/2005 4:14 PM Found	% Rec
Mercury	253.7	5.0	4.14	**82.8**	4.11	**82.3**	4.11	**82.1**	4.10	**82.1**	4.08	**81.6**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/12/2005 12:30 PM Found	% Rec	CCV 7/12/2005 1:48 PM Found	% Rec	CCV 7/12/2005 2:53 PM Found	% Rec	CCV 7/12/2005 4:46 PM Found	% Rec	CCV 7/12/2005 5:32 PM Found	% Rec
Aluminum	308.215	25000.0	24674.61	**98.7**	24658.68	**98.6**	24656.02	**98.6**	13629.10	**54.5**	24826.45	**99.3**
Antimony	206.838	500.0	493.40	**98.7**	495.29	**99.1**	492.69	**98.5**	273.85	**54.8**	491.74	**98.3**
Arsenic	189.042	500.0	494.19	**98.8**	493.40	**98.7**	493.16	**98.6**	273.90	**54.8**	491.31	**98.3**
Barium	493.409	2000.0	1997.19	**99.9**	2000.27	**100.0**	2001.94	**100.1**	1107.26	**55.4**	2006.50	**100.3**
Beryllium	313.042	2000.0	2029.91	**101.5**	2034.64	**101.7**	2029.44	**101.5**	1134.10	**56.7**	2034.17	**101.7**
Boron	249.678	5000.0	4990.83	**99.8**	5018.70	**100.4**	4936.35	**98.7**	2758.10	**55.2**	4830.07	**96.6**
Cadmium	226.502	500.0	503.86	**100.8**	501.97	**100.4**	501.01	**100.2**	281.28	**56.3**	503.28	**100.7**
Calcium	317.933	50000.0	49559.39	**99.1**	49455.35	**98.9**	49226.01	**98.5**	27448.48	**54.9**	49306.09	**98.6**
Chromium	267.716	2000.0	1995.91	**99.8**	1998.64	**99.9**	1987.84	**99.4**	1105.47	**55.3**	1993.44	**99.7**
Cobalt	228.616	2000.0	2015.11	**100.8**	2011.60	**100.6**	2000.62	**100.0**	1111.65	**55.6**	2001.34	**100.1**
Copper	324.753	2000.0	1992.72	**99.6**	1997.52	**99.9**	1996.04	**99.8**	1104.50	**55.2**	2003.97	**100.2**
Iron	271.441	25000.0	25105.22	**100.4**	25067.01	**100.3**	24706.85	**98.8**	13604.83	**54.4**	24389.15	**97.6**
Lead	220.353	500.0	501.06	**100.2**	500.94	**100.2**	498.22	**99.6**	278.61	**55.7**	498.86	**99.8**
Magnesium	279.078	50000.0	48806.27	**97.6**	48578.10	**97.2**	48333.48	**96.7**	26875.48	**53.8**	48359.97	**96.7**
Manganese	257.61	2000.0	2007.00	**100.4**	1988.57	**99.4**	1988.43	**99.4**	1090.53	**54.5**	1988.03	**99.4**
Nickel	231.604	2000.0	1997.40	**99.9**	1957.38	**97.9**	1963.52	**98.2**	1099.37	**55.0**	1978.44	**98.9**
Potassium	766.491	50000.0	49723.75	**99.4**	49733.77	**99.5**	49722.98	**99.4**	27863.12	**55.7**	49938.20	**99.9**
Selenium	196.026	500.0	504.54	**100.9**	505.44	**101.1**	502.86	**100.6**	277.31	**55.5**	501.65	**100.3**
Sodium	330.232	50000.0	46435.68	**92.9**	46542.94	**93.1**	46307.65	**92.6**	26374.40	**52.7**	46355.52	**92.7**
Vanadium	292.402	2000.0	1983.20	**99.2**	1986.07	**99.3**	1969.94	**98.5**	1091.15	**54.6**	1960.14	**98.0**
Zinc	213.856	2000.0	2021.98	**101.1**	2013.81	**100.7**	2014.86	**100.7**	1126.66	**56.3**	2022.72	**101.1**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/12/2005 6:38 PM Found	% Rec	CCV 7/12/2005 7:40 PM Found	% Rec	CCV 7/12/2005 8:40 PM Found	% Rec	CCV 7/12/2005 10:45 PM Found	% Rec	CCV 7/12/2005 11:49 PM Found	% Rec
Aluminum	308.215	25000.0	24616.93	**98.5**	24877.10	**99.5**	25020.95	**100.1**	24724.90	**98.9**	24644.36	**98.6**
Antimony	206.838	500.0	491.15	**98.2**	496.43	**99.3**	499.02	**99.8**	494.70	**98.9**	492.40	**98.5**
Arsenic	189.042	500.0	489.50	**97.9**	492.69	**98.5**	493.99	**98.8**	489.77	**98.0**	486.47	**97.3**
Barium	493.409	2000.0	1988.62	**99.4**	2004.40	**100.2**	2019.10	**101.0**	1990.39	**99.5**	1979.65	**99.0**
Beryllium	313.042	2000.0	2022.37	**101.1**	2042.33	**102.1**	2047.96	**102.4**	2027.66	**101.4**	2016.93	**100.8**
Boron	249.678	5000.0	4702.34	**94.0**	4728.30	**94.6**	4730.28	**94.6**	4648.52	**93.0**	4564.01	**91.3**
Cadmium	226.502	500.0	502.43	**100.5**	507.56	**101.5**	508.26	**101.7**	504.14	**100.8**	502.31	**100.5**
Calcium	317.933	50000.0	48947.32	**97.9**	49348.44	**98.7**	49445.56	**98.9**	48958.95	**97.9**	48508.68	**97.0**
Chromium	267.716	2000.0	1976.58	**98.8**	1993.82	**99.7**	1998.96	**99.9**	1976.14	**98.8**	1959.47	**98.0**
Cobalt	228.616	2000.0	1988.21	**99.4**	2006.58	**100.3**	2010.07	**100.5**	1987.75	**99.4**	1974.38	**98.7**
Copper	324.753	2000.0	1988.23	**99.4**	2010.18	**100.5**	2022.51	**101.1**	1994.61	**99.7**	1991.38	**99.6**
Iron	271.441	25000.0	23935.76	**95.7**	24049.43	**96.2**	24038.61	**96.2**	23638.71	**94.6**	23155.03	**92.6**
Lead	220.353	500.0	496.89	**99.4**	500.44	**100.1**	500.91	**100.2**	497.11	**99.4**	493.97	**98.8**
Magnesium	279.078	50000.0	47873.02	**95.7**	48415.67	**96.8**	48429.59	**96.9**	47977.49	**96.0**	47457.55	**94.9**
Manganese	257.61	2000.0	1958.38	**97.9**	1979.20	**99.0**	1985.27	**99.3**	1957.81	**97.9**	1943.68	**97.2**
Nickel	231.604	2000.0	2000.22	**100.0**	2025.09	**101.3**	2030.34	**101.5**	2008.71	**100.4**	2011.08	**100.6**
Potassium	766.491	50000.0	49633.93	**99.3**	50087.62	**100.2**	50505.23	**101.0**	49896.00	**99.8**	49517.80	**99.0**
Selenium	196.026	500.0	499.07	**99.8**	504.39	**100.9**	507.20	**101.4**	501.76	**100.4**	500.42	**100.1**
Sodium	330.232	50000.0	45790.60	**91.6**	46122.69	**92.2**	46420.46	**92.8**	45758.41	**91.5**	45383.16	**90.8**
Vanadium	292.402	2000.0	1931.21	**96.6**	1945.72	**97.3**	1950.26	**97.5**	1921.98	**96.1**	1895.22	**94.8**
Zinc	213.856	2000.0	2018.30	**100.9**	2040.64	**102.0**	2048.51	**102.4**	2027.78	**101.4**	2024.01	**101.2**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/13/2005 12:56 AM Found	% Rec	CCV 7/13/2005 2:01 AM Found	% Rec	CCV 7/13/2005 3:08 AM Found	% Rec	CCV 7/13/2005 4:13 AM Found	% Rec	CCV 7/13/2005 5:18 AM Found	% Rec
Aluminum	308.215	25000.0	24850.87	**99.4**	25002.32	**100.0**	24916.02	**99.7**	24809.03	**99.2**	24610.35	**98.4**
Antimony	206.838	500.0	492.90	**98.6**	505.01	**101.0**	498.53	**99.7**	497.68	**99.5**	491.53	**98.3**
Arsenic	189.042	500.0	487.98	**97.6**	489.30	**97.9**	489.62	**97.9**	486.65	**97.3**	481.59	**96.3**
Barium	493.409	2000.0	1996.34	**99.8**	2025.22	**101.3**	2013.58	**100.7**	2007.69	**100.4**	1991.83	**99.6**
Beryllium	313.042	2000.0	2024.02	**101.2**	2045.64	**102.3**	2034.76	**101.7**	2032.09	**101.6**	2019.22	**101.0**
Boron	249.678	5000.0	4705.60	**94.1**	4748.25	**95.0**	4561.75	**91.2**	4473.49	**89.5**	4393.21	**87.9**
Cadmium	226.502	500.0	499.78	**100.0**	505.83	**101.2**	504.90	**101.0**	507.12	**101.4**	504.30	**100.9**
Calcium	317.933	50000.0	48832.88	**97.7**	49491.26	**99.0**	49186.92	**98.4**	49228.38	**98.5**	48944.78	**97.9**
Chromium	267.716	2000.0	1968.31	**98.4**	1979.55	**99.0**	1961.06	**98.1**	1947.26	**97.4**	1932.59	**96.6**
Cobalt	228.616	2000.0	1971.87	**98.6**	1983.36	**99.2**	1970.86	**98.5**	1967.95	**98.4**	1954.83	**97.7**
Copper	324.753	2000.0	2003.66	**100.2**	2022.27	**101.1**	2008.34	**100.4**	2009.65	**100.5**	1993.29	**99.7**
Iron	271.441	25000.0	23368.87	**93.5**	23043.05	**92.2**	22336.02	**89.3**	21626.64	**86.5**	21230.93	**84.9**
Lead	220.353	500.0	491.91	**98.4**	506.82	**101.4**	497.05	**99.4**	495.87	**99.2**	493.07	**98.6**
Magnesium	279.078	50000.0	47539.28	**95.1**	47897.70	**95.8**	47244.59	**94.5**	47050.32	**94.1**	46668.34	**93.3**
Manganese	257.61	2000.0	2000.90	**100.0**	1997.95	**99.9**	1965.59	**98.3**	1975.91	**98.8**	1940.14	**97.0**
Nickel	231.604	2000.0	1918.06	**95.9**	1931.95	**96.6**	1969.55	**98.5**	2002.40	**100.1**	2006.61	**100.3**
Potassium	766.491	50000.0	49446.01	**98.9**	49573.11	**99.1**	49741.27	**99.5**	49883.66	**99.8**	49760.35	**99.5**
Selenium	196.026	500.0	499.66	**99.9**	507.16	**101.4**	503.14	**100.6**	500.11	**100.0**	493.38	**98.7**
Sodium	330.232	50000.0	45646.45	**91.3**	46339.16	**92.7**	45578.56	**91.2**	45368.94	**90.7**	45067.53	**90.1**
Vanadium	292.402	2000.0	1916.31	**95.8**	1918.45	**95.9**	1883.30	**94.2**	1858.97	**92.9**	1841.17	**92.1**
Zinc	213.856	2000.0	2007.14	**100.4**	2029.18	**101.5**	2019.54	**101.0**	2028.51	**101.4**	2015.80	**100.8**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/13/2005 6:23 AM Found	% Rec	CCV 7/13/2005 7:28 AM Found	% Rec	CCV 7/13/2005 8:31 AM Found	% Rec	CCV 7/13/2005 8:53 AM Found	% Rec	CCV 7/13/2005 10:30 AM Found	% Rec
Aluminum	308.215	25000.0	24458.17	**97.8**	24361.67	**97.4**	24241.46	**97.0**	24281.43	**97.1**	25044.11	**100.2**
Antimony	206.838	500.0	492.22	**98.4**	489.75	**97.9**	490.95	**98.2**	490.79	**98.2**	504.99	**101.0**
Arsenic	189.042	500.0	478.78	**95.8**	478.32	**95.7**	477.15	**95.4**	479.31	**95.9**	497.23	**99.4**
Barium	493.409	2000.0	1978.34	**98.9**	1965.39	**98.3**	1957.88	**97.9**	1957.73	**97.9**	2006.20	**100.3**
Beryllium	313.042	2000.0	2007.35	**100.4**	1992.29	**99.6**	1987.28	**99.4**	1988.72	**99.4**	2055.00	**102.8**
Boron	249.678	5000.0	4266.65	**85.3**	4126.98	**82.5**	4124.34	**82.5**	4176.55	**83.5**	4683.68	**93.7**
Cadmium	226.502	500.0	503.05	**100.6**	500.95	**100.2**	499.62	**99.9**	500.20	**100.0**	508.86	**101.8**
Calcium	317.933	50000.0	48786.46	**97.6**	48514.03	**97.0**	48376.11	**96.8**	48480.61	**97.0**	50435.13	**100.9**
Chromium	267.716	2000.0	1923.65	**96.2**	1914.42	**95.7**	1922.14	**96.1**	1929.62	**96.5**	2030.75	**101.5**
Cobalt	228.616	2000.0	1950.98	**97.5**	1950.02	**97.5**	1954.36	**97.7**	1958.91	**97.9**	2028.83	**101.4**
Copper	324.753	2000.0	1981.65	**99.1**	1978.73	**98.9**	1968.46	**98.4**	1969.77	**98.5**	2023.97	**101.2**
Iron	271.441	25000.0	20927.13	**83.7**	20779.94	**83.1**	21398.80	**85.6**	21800.47	**87.2**	24771.66	**99.1**
Lead	220.353	500.0	492.67	**98.5**	488.89	**97.8**	489.25	**97.9**	490.54	**98.1**	505.47	**101.1**
Magnesium	279.078	50000.0	46402.04	**92.8**	45958.66	**91.9**	46287.88	**92.6**	46400.88	**92.8**	48915.25	**97.8**
Manganese	257.61	2000.0	1900.20	**95.0**	1870.51	**93.5**	1879.07	**94.0**	1877.14	**93.9**	1976.80	**98.8**
Nickel	231.604	2000.0	2065.70	**103.3**	2137.04	**106.9**	2140.83	**107.0**	2137.27	**106.9**	2033.92	**101.7**
Potassium	766.491	50000.0	50265.11	**100.5**	50746.23	**101.5**	50312.07	**100.6**	50268.04	**100.5**	50320.41	**100.6**
Selenium	196.026	500.0	493.39	**98.7**	490.43	**98.1**	489.13	**97.8**	489.34	**97.9**	508.66	**101.7**
Sodium	330.232	50000.0	44904.88	**89.8**	44790.81	**89.6**	44646.89	**89.3**	44907.37	**89.8**	46819.14	**93.6**
Vanadium	292.402	2000.0	1820.12	**91.0**	1801.27	**90.1**	1818.02	**90.9**	1832.14	**91.6**	1989.40	**99.5**
Zinc	213.856	2000.0	2020.44	**101.0**	2026.67	**101.3**	2024.32	**101.2**	2025.03	**101.3**	2048.85	**102.4**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/13/2005 11:18 AM Found	% Rec	CCV 7/13/2005 12:01 PM Found	% Rec	CCV 7/13/2005 1:06 PM Found	% Rec	CCV 7/13/2005 3:17 PM Found	% Rec	CCV 7/13/2005 3:34 PM Found	% Rec
Aluminum	308.215	25000.0	25085.71	**100.3**	24991.34	**100.0**	24782.24	**99.1**	25095.14	**100.4**	24861.91	**99.4**
Antimony	206.838	500.0	506.24	**101.2**	505.39	**101.1**	499.57	**99.9**	503.24	**100.6**	498.47	**99.7**
Arsenic	189.042	500.0	501.94	**100.4**	498.40	**99.7**	493.25	**98.6**	500.08	**100.0**	494.47	**98.9**
Barium	493.409	2000.0	2013.11	**100.7**	2006.97	**100.3**	1997.96	**99.9**	2012.42	**100.6**	1996.79	**99.8**
Beryllium	313.042	2000.0	2068.08	**103.4**	2062.46	**103.1**	2038.50	**101.9**	2061.22	**103.1**	2046.57	**102.3**
Boron	249.678	5000.0	4827.68	**96.6**	4772.30	**95.4**	4884.27	**97.7**	4918.56	**98.4**	4855.07	**97.1**
Cadmium	226.502	500.0	511.25	**102.2**	511.57	**102.3**	501.39	**100.3**	505.68	**101.1**	503.65	**100.7**
Calcium	317.933	50000.0	50777.84	**101.6**	50565.62	**101.1**	50098.40	**100.2**	50368.89	**100.7**	50073.92	**100.1**
Chromium	267.716	2000.0	2049.85	**102.5**	2033.17	**101.7**	2013.46	**100.7**	2028.97	**101.4**	2015.12	**100.8**
Cobalt	228.616	2000.0	2043.03	**102.2**	2036.49	**101.8**	2008.02	**100.4**	2022.91	**101.1**	2009.12	**100.5**
Copper	324.753	2000.0	2028.27	**101.4**	2019.38	**101.0**	1997.79	**99.9**	2021.11	**101.1**	1999.86	**100.0**
Iron	271.441	25000.0	25327.21	**101.3**	24933.75	**99.7**	24957.12	**99.8**	25022.17	**100.1**	24789.91	**99.2**
Lead	220.353	500.0	509.96	**102.0**	509.17	**101.8**	501.08	**100.2**	503.10	**100.6**	500.59	**100.1**
Magnesium	279.078	50000.0	49626.44	**99.3**	49234.74	**98.5**	48873.87	**97.7**	49123.29	**98.2**	48810.52	**97.6**
Manganese	257.61	2000.0	2012.19	**100.6**	1986.93	**99.3**	2000.27	**100.0**	2005.80	**100.3**	1989.29	**99.5**
Nickel	231.604	2000.0	2003.96	**100.2**	2020.75	**101.0**	1915.92	**95.8**	1926.72	**96.3**	1920.57	**96.0**
Potassium	766.491	50000.0	49927.66	**99.9**	49836.48	**99.7**	49417.48	**98.8**	49932.87	**99.9**	49366.25	**98.7**
Selenium	196.026	500.0	513.69	**102.7**	514.53	**102.9**	503.24	**100.6**	504.57	**100.9**	503.60	**100.7**
Sodium	330.232	50000.0	47062.75	**94.1**	46794.35	**93.6**	46511.05	**93.0**	46973.08	**93.9**	46378.99	**92.8**
Vanadium	292.402	2000.0	2018.69	**100.9**	1995.70	**99.8**	1991.85	**99.6**	2004.91	**100.2**	1986.78	**99.3**
Zinc	213.856	2000.0	2051.78	**102.6**	2050.66	**102.5**	2004.82	**100.2**	2021.89	**101.1**	2011.31	**100.6**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/13/2005 4:37 PM Found	% Rec	CCV 7/13/2005 5:41 PM Found	% Rec	CCV 7/13/2005 6:46 PM Found	% Rec	CCV 7/13/2005 7:49 PM Found	% Rec	CCV 7/13/2005 8:56 PM Found	% Rec
Aluminum	308.215	25000.0	24920.26	**99.7**	27047.64	**108.2**	25669.13	**102.7**	25517.71	**102.1**	25481.92	**101.9**
Antimony	206.838	500.0	500.09	**100.0**	551.72	**110.3**	518.37	**103.7**	514.69	**102.9**	515.42	**103.1**
Arsenic	189.042	500.0	495.43	**99.1**	540.50	**108.1**	512.72	**102.5**	508.74	**101.7**	508.81	**101.8**
Barium	493.409	2000.0	2008.87	**100.4**	2195.04	**109.8**	2090.43	**104.5**	2073.12	**103.7**	2073.94	**103.7**
Beryllium	313.042	2000.0	2052.75	**102.6**	2236.74	**111.8**	2120.76	**106.0**	2103.49	**105.2**	2105.83	**105.3**
Boron	249.678	5000.0	4815.84	**96.3**	5134.97	**102.7**	4888.74	**97.8**	4833.85	**96.7**	4784.12	**95.7**
Cadmium	226.502	500.0	505.52	**101.1**	553.44	**110.7**	524.37	**104.9**	519.92	**104.0**	522.19	**104.4**
Calcium	317.933	50000.0	50407.06	**100.8**	54705.30	**109.4**	51768.12	**103.5**	51329.41	**102.7**	51321.50	**102.6**
Chromium	267.716	2000.0	2016.74	**100.8**	2193.98	**109.7**	2076.86	**103.8**	2060.30	**103.0**	2058.98	**102.9**
Cobalt	228.616	2000.0	2012.52	**100.6**	2192.49	**109.6**	2076.52	**103.8**	2058.57	**102.9**	2060.70	**103.0**
Copper	324.753	2000.0	2010.55	**100.5**	2188.65	**109.4**	2078.77	**103.9**	2064.72	**103.2**	2064.11	**103.2**
Iron	271.441	25000.0	24468.30	**97.9**	26345.26	**105.4**	24846.72	**99.4**	24547.96	**98.2**	24346.83	**97.4**
Lead	220.353	500.0	500.94	**100.2**	551.32	**110.3**	518.66	**103.7**	515.36	**103.1**	514.92	**103.0**
Magnesium	279.078	50000.0	48973.95	**97.9**	52857.57	**105.7**	50244.90	**100.5**	49777.96	**99.6**	49804.10	**99.6**
Manganese	257.61	2000.0	2018.60	**100.9**	2194.68	**109.7**	2089.01	**104.5**	2074.92	**103.7**	2059.64	**103.0**
Nickel	231.604	2000.0	1945.47	**97.3**	2150.63	**107.5**	2047.55	**102.4**	2025.49	**101.3**	2054.42	**102.7**
Potassium	766.491	50000.0	49644.62	**99.3**	53585.98	**107.2**	51093.21	**102.2**	50908.92	**101.8**	50896.09	**101.8**
Selenium	196.026	500.0	503.00	**100.6**	551.28	**110.3**	520.91	**104.2**	513.87	**102.8**	513.35	**102.7**
Sodium	330.232	50000.0	46759.96	**93.5**	50272.54	**100.5**	47794.77	**95.6**	47533.41	**95.1**	47359.17	**94.7**
Vanadium	292.402	2000.0	1981.42	**99.1**	2144.68	**107.2**	2030.26	**101.5**	2012.07	**100.6**	2002.95	**100.1**
Zinc	213.856	2000.0	2022.31	**101.1**	2209.68	**110.5**	2097.38	**104.9**	2080.25	**104.0**	2089.56	**104.5**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/13/2005 9:59 PM Found	% Rec	CCV 7/13/2005 10:56 PM Found	% Rec	CCV 7/13/2005 11:17 PM Found	% Rec	CCV 7/14/2005 1:57 AM Found	% Rec	CCV 7/14/2005 3:01 AM Found	% Rec
Aluminum	308.215	25000.0	25509.84	**102.0**	25471.21	**101.9**	25597.41	**102.4**	26107.37	**104.4**	25721.69	**102.9**
Antimony	206.838	500.0	514.75	**102.9**	512.89	**102.6**	518.33	**103.7**	518.26	**103.7**	511.97	**102.4**
Arsenic	189.042	500.0	509.11	**101.8**	506.62	**101.3**	510.70	**102.1**	516.03	**103.2**	507.67	**101.5**
Barium	493.409	2000.0	2078.98	**103.9**	2075.49	**103.8**	2081.15	**104.1**	2102.02	**105.1**	2069.01	**103.5**
Beryllium	313.042	2000.0	2107.49	**105.4**	2102.69	**105.1**	2112.98	**105.6**	2146.40	**107.3**	2110.01	**105.5**
Boron	249.678	5000.0	4778.00	**95.6**	4794.12	**95.9**	4823.80	**96.5**	4995.09	**99.9**	4800.54	**96.0**
Cadmium	226.502	500.0	523.19	**104.6**	521.05	**104.2**	523.48	**104.7**	526.46	**105.3**	520.48	**104.1**
Calcium	317.933	50000.0	51285.53	**102.6**	51100.54	**102.2**	51388.72	**102.8**	52028.20	**104.1**	51054.84	**102.1**
Chromium	267.716	2000.0	2058.14	**102.9**	2053.54	**102.7**	2067.74	**103.4**	2092.64	**104.6**	2047.06	**102.4**
Cobalt	228.616	2000.0	2062.14	**103.1**	2054.02	**102.7**	2065.32	**103.3**	2075.79	**103.8**	2038.19	**101.9**
Copper	324.753	2000.0	2069.31	**103.5**	2066.54	**103.3**	2077.38	**103.9**	2107.72	**105.4**	2077.85	**103.9**
Iron	271.441	25000.0	24234.48	**96.9**	24142.20	**96.6**	24396.57	**97.6**	24623.67	**98.5**	23543.42	**94.2**
Lead	220.353	500.0	514.58	**102.9**	513.40	**102.7**	515.12	**103.0**	518.06	**103.6**	512.80	**102.6**
Magnesium	279.078	50000.0	49857.70	**99.7**	49695.97	**99.4**	49981.57	**100.0**	50614.73	**101.2**	49458.75	**98.9**
Manganese	257.61	2000.0	2060.41	**103.0**	2044.96	**102.2**	2042.43	**102.1**	2029.45	**101.5**	1980.98	**99.0**
Nickel	231.604	2000.0	2060.63	**103.0**	2033.42	**101.7**	2027.02	**101.4**	1921.56	**96.1**	1946.15	**97.3**
Potassium	766.491	50000.0	50871.88	**101.7**	50888.54	**101.8**	50697.20	**101.4**	50720.89	**101.4**	50347.74	**100.7**
Selenium	196.026	500.0	514.95	**103.0**	514.87	**103.0**	516.53	**103.3**	518.20	**103.6**	514.83	**103.0**
Sodium	330.232	50000.0	47447.10	**94.9**	47309.78	**94.6**	47486.37	**95.0**	47926.55	**95.9**	47129.03	**94.3**
Vanadium	292.402	2000.0	1999.07	**100.0**	1996.44	**99.8**	2011.15	**100.6**	2039.45	**102.0**	1978.89	**98.9**
Zinc	213.856	2000.0	2093.38	**104.7**	2084.52	**104.2**	2091.93	**104.6**	2092.52	**104.6**	2073.50	**103.7**

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CCV 7/14/2005 4:08 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	25000.0	25675.58	**102.7**								
Antimony	206.838	500.0	511.77	**102.4**								
Arsenic	189.042	500.0	505.52	**101.1**								
Barium	493.409	2000.0	2073.55	**103.7**								
Beryllium	313.042	2000.0	2096.42	**104.8**								
Boron	249.678	5000.0	4650.20	**93.0**								
Cadmium	226.502	500.0	518.86	**103.8**								
Calcium	317.933	50000.0	50581.16	**101.2**								
Chromium	267.716	2000.0	2026.41	**101.3**								
Cobalt	228.616	2000.0	2023.63	**101.2**								
Copper	324.753	2000.0	2075.46	**103.8**								
Iron	271.441	25000.0	22815.49	**91.3**								
Lead	220.353	500.0	508.14	**101.6**								
Magnesium	279.078	50000.0	48795.48	**97.6**								
Manganese	257.61	2000.0	1966.60	**98.3**								
Nickel	231.604	2000.0	1998.86	**99.9**								
Potassium	766.491	50000.0	50867.49	**101.7**								
Selenium	196.026	500.0	514.98	**103.0**								
Sodium	330.232	50000.0	46772.45	**93.5**								
Vanadium	292.402	2000.0	1943.44	**97.2**								
Zinc	213.856	2000.0	2076.73	**103.8**								

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRA\MRL 7/6/2005 9:59 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	0.2	0.18	**88.1**								

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	CRI\MRL 7/12/2005 12:12 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	200.0	204.14	**102.1**								
Antimony	206.838	10.0	8.97	**89.7**								
Arsenic	189.042	15.0	14.62	**97.5**								
Barium	493.409	10.0	9.96	**99.6**								
Beryllium	313.042	5.0	5.24	**104.8**								
Boron	249.678	200.0	191.12	**95.6**								
Cadmium	226.502	5.0	5.04	**100.8**								
Calcium	317.933	5000.0	5033.65	**100.7**								
Chromium	267.716	5.0	4.71	**94.3**								
Cobalt	228.616	5.0	5.07	**101.4**								
Copper	324.753	15.0	15.39	**102.6**								
Iron	271.441	300.0	297.63	**99.2**								
Lead	220.353	10.0	10.13	**101.3**								
Magnesium	279.078	5000.0	4737.18	**94.7**								
Manganese	257.61	15.0	15.30	**102.0**								
Nickel	231.604	25.0	25.29	**101.2**								
Potassium	766.491	5000.0	4864.43	**97.3**								
Selenium	196.026	20.0	21.82	**109.1**								
Sodium	330.232	5000.0	4837.41	**96.7**								
Vanadium	292.402	7.0	7.04	**100.6**								
Zinc	213.856	40.0	40.75	**101.9**								

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 7/6/2005 9:58 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U								

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 7/12/2005 12:07 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	13.4	U								
Antimony	206.838	10	3.2	U								
Arsenic	189.042	10	2.4	U								
Barium	493.409	200	**0.4**	**B**								
Beryllium	313.042	5	**0.5**	**B**								
Boron	249.678	200	**4.0**	**B**								
Cadmium	226.502	2	0.1	U								
Calcium	317.933	5000	42.7	U								
Chromium	267.716	5	0.7	U								
Cobalt	228.616	7	0.4	U								
Copper	324.753	25	0.5	U								
Iron	271.441	100	4.0	U								
Lead	220.353	3	1.3	U								
Magnesium	279.078	5000	**16.5**	**B**								
Manganese	257.61	15	**0.5**	**B**								
Nickel	231.604	40	1.1	U								
Potassium	766.491	5000	**167.0**	**B**								
Selenium	196.026	5	3.2	U								
Sodium	330.232	5000	525.0	U								
Vanadium	292.402	7	**0.4**	**B**								
Zinc	213.856	20	1.7	U								

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	CCB 7/6/2005 10:02 AM Found	Q	CCB 7/6/2005 10:10 AM Found	Q	CCB 7/6/2005 10:14 AM Found	Q	Ck1CCB 7/6/2005 10:20 AM Found	Q	Ck1CCB 7/6/2005 10:36 AM Found	Q
Mercury	253.7	0.2	0.1	U	**-0.2**	**B**	0.1	U	0.1	U	0.1	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 7/6/2005 10:51 AM Found	Q	Ck1CCB 7/6/2005 11:00 AM Found	Q	Ck1CCB 7/6/2005 11:06 AM Found	Q	Ck1CCB 7/6/2005 11:20 AM Found	Q	Ck1CCB 7/6/2005 11:36 AM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 7/6/2005 11:52 AM Found	Q	Ck1CCB 7/6/2005 12:08 PM Found	Q	Ck1CCB 7/6/2005 12:23 PM Found	Q	Ck1CCB 7/6/2005 12:29 PM Found	Q	Ck1CCB 7/6/2005 12:37 PM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	**-0.1**	**B**	**-0.1**	**B**	0.1	U

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 7/6/2005 1:41 PM Found	Q	Ck1CCB 7/6/2005 2:00 PM Found	Q	Ck1CCB 7/6/2005 2:28 PM Found	Q	Ck1CCB 7/6/2005 2:32 PM Found	Q	Ck1CCB 7/6/2005 2:46 PM Found	Q
Mercury	253.7	0.2	**-0.2**		**-0.2**	**B**	**-0.2**		**-0.2**	**B**	**-0.1**	**B**

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: hg10706a.prn

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	Ck1CCB 7/6/2005 3:14 PM Found	Q	Ck1CCB 7/6/2005 3:31 PM Found	Q	Ck1CCB 7/6/2005 3:47 PM Found	Q	Ck1CCB 7/6/2005 4:04 PM Found	Q	Ck1CCB 7/6/2005 4:16 PM Found	Q
Mercury	253.7	0.2	**-0.2**	**B**	**-0.1**	**B**	**-0.1**	**B**	0.1	U	**-0.2**	**B**

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 7/12/2005 12:37 PM Found	Q	CCB 7/12/2005 1:56 PM Found	Q	CCB 7/12/2005 3:01 PM Found	Q	CCB 7/12/2005 4:53 PM Found	Q	CCB 7/12/2005 5:39 PM Found	Q
Aluminum	308.215	200	**56.2**	**B**	**25.3**	**B**	**26.6**	**B**	**-64.0**	**B**	**19.9**	**B**
Antimony	206.838	10	3.2	U	3.2	U	3.2	U	**-3.8**	**B**	3.2	U
Arsenic	189.042	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	200	**0.7**	**B**	**0.5**	**B**	**0.5**	**B**	0.1	U	**0.5**	**B**
Beryllium	313.042	5	**0.6**	**B**	**0.5**	**B**	**0.5**	**B**	0.1	U	**0.6**	**B**
Boron	249.678	200	**11.6**	**B**	**13.2**	**B**	**9.9**	**B**	2.6	U	**10.7**	**B**
Cadmium	226.502	2	**0.1**	**B**	0.1	U	0.1	U	**0.3**	**B**	0.1	U
Calcium	317.933	5000	**97.3**	**B**	**71.9**	**B**	**71.2**	**B**	42.7	U	**52.6**	**B**
Chromium	267.716	5	0.7	U	0.7	U	0.7	U	**2.8**	**B**	0.7	U
Cobalt	228.616	7	**0.7**	**B**	0.4	U	**0.6**	**B**	**0.8**	**B**	0.4	U
Copper	324.753	25	**1.2**	**B**	**0.7**	**B**	**0.7**	**B**	**-5.2**	**B**	0.5	U
Iron	271.441	100	**17.4**	**B**	**-4.0**	**B**	**7.6**	**B**	**-8.5**	**B**	4.0	U
Lead	220.353	3	1.3	U	**1.4**	**B**	1.3	U	1.3	U	1.3	U
Magnesium	279.078	5000	**40.3**	**B**	**14.5**	**B**	**16.5**	**B**	5.7	U	**8.8**	**B**
Manganese	257.61	15	**0.6**	**B**	**0.5**	**B**	**0.5**	**B**	0.1	U	**0.5**	**B**
Nickel	231.604	40	**1.4**	**B**	**1.4**	**B**	1.1	U	1.1	U	1.1	U
Potassium	766.491	5000	**167.0**	**B**	**164.0**	**B**	**169.0**	**B**	**240.0**	**B**	**165.0**	**B**
Selenium	196.026	5	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Sodium	330.232	5000	525.0	U	525.0	U	525.0	U	**1170.0**	**B**	525.0	U
Vanadium	292.402	7	**0.5**	**B**	0.3	U	**0.9**	**B**	**-0.6**	**B**	**0.7**	**B**
Zinc	213.856	20	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 7/12/2005 6:45 PM Found	Q	CCB 7/12/2005 7:47 PM Found	Q	CCB 7/12/2005 8:47 PM Found	Q	CCB 7/12/2005 10:53 PM Found	Q	CCB 7/12/2005 11:56 PM Found	Q
Aluminum	308.215	200	**19.8**	**B**	13.4	U	13.4	U	**19.6**	**B**	**33.1**	**B**
Antimony	206.838	10	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Arsenic	189.042	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	200	**0.6**	**B**	**0.6**	**B**	**0.5**	**B**	**0.7**	**B**	**0.6**	**B**
Beryllium	313.042	5	**0.7**	**B**	**0.8**	**B**	**0.8**	**B**	**0.8**	**B**	**0.9**	**B**
Boron	249.678	200	**8.7**	**B**	**6.1**	**B**	**5.6**	**B**	**7.5**	**B**	**7.6**	**B**
Cadmium	226.502	2	0.1	U	0.1	U	0.1	U	**0.1**	**B**	**0.1**	**B**
Calcium	317.933	5000	**56.7**	**B**	42.7	U	42.7	U	**78.9**	**B**	**74.2**	**B**
Chromium	267.716	5	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Cobalt	228.616	7	**0.5**	**B**	**0.9**	**B**	**0.6**	**B**	**0.6**	**B**	0.4	U
Copper	324.753	25	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Iron	271.441	100	**5.8**	**B**	**6.3**	**B**	**7.9**	**B**	**5.1**	**B**	4.0	U
Lead	220.353	3	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Magnesium	279.078	5000	**12.4**	**B**	**15.2**	**B**	**11.2**	**B**	**13.7**	**B**	**12.0**	**B**
Manganese	257.61	15	**0.5**	**B**	**0.6**	**B**	**0.5**	**B**	**0.6**	**B**	**0.5**	**B**
Nickel	231.604	40	1.1	U	1.1	U	1.1	U	**1.7**	**B**	**-1.1**	**B**
Potassium	766.491	5000	**167.0**	**B**	**171.0**	**B**	**172.0**	**B**	**173.0**	**B**	**178.0**	**B**
Selenium	196.026	5	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Sodium	330.232	5000	525.0	U	525.0	U	525.0	U	525.0	U	525.0	U
Vanadium	292.402	7	**0.5**	**B**	**1.0**	**B**	**0.3**	**B**	**0.5**	**B**	**0.5**	**B**
Zinc	213.856	20	1.7	U	1.7	U	1.7	U	**2.2**	**B**	**2.2**	**B**

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 7/13/2005 1:04 AM Found	Q	CCB 7/13/2005 2:09 AM Found	Q	CCB 7/13/2005 3:15 AM Found	Q	CCB 7/13/2005 4:21 AM Found	Q	CCB 7/13/2005 5:25 AM Found	Q
Aluminum	308.215	200	**30.6**	**B**	**24.4**	**B**	**18.1**	**B**	13.4	U	13.4	U
Antimony	206.838	10	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Arsenic	189.042	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	200	**0.6**	**B**	**0.7**	**B**	**0.7**	**B**	**0.5**	**B**	**0.5**	**B**
Beryllium	313.042	5	**0.8**	**B**	**1.0**	**B**	**1.1**	**B**	**1.1**	**B**	**1.1**	**B**
Boron	249.678	200	**9.3**	**B**	**45.3**	**B**	**14.8**	**B**	**8.9**	**B**	**8.0**	**B**
Cadmium	226.502	2	**0.1**	**B**	0.1	U	0.1	U	0.1	U	0.1	U
Calcium	317.933	5000	**93.1**	**B**	**62.2**	**B**	**46.9**	**B**	**53.7**	**B**	**61.6**	**B**
Chromium	267.716	5	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Cobalt	228.616	7	**0.4**	**B**	**0.8**	**B**	**0.5**	**B**	**0.6**	**B**	0.4	U
Copper	324.753	25	0.5	U	0.5	U	0.5	U	**-0.6**	**B**	**-1.2**	**B**
Iron	271.441	100	4.0	U	**7.9**	**B**	**4.8**	**B**	**10.6**	**B**	**5.6**	**B**
Lead	220.353	3	1.3	U	**1.4**	**B**	1.3	U	1.3	U	1.3	U
Magnesium	279.078	5000	**11.2**	**B**	**17.3**	**B**	**14.4**	**B**	**13.5**	**B**	**8.9**	**B**
Manganese	257.61	15	**0.8**	**B**	**0.5**	**B**	**0.5**	**B**	**1.3**	**B**	**1.6**	**B**
Nickel	231.604	40	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Potassium	766.491	5000	**177.0**	**B**	**184.0**	**B**	**171.0**	**B**	**171.0**	**B**	**165.0**	**B**
Selenium	196.026	5	3.2	U	3.2	U	3.2	U	3.2	U	**3.8**	**B**
Sodium	330.232	5000	525.0	U	525.0	U	525.0	U	**-530.0**	**B**	525.0	U
Vanadium	292.402	7	**0.6**	**B**	**0.8**	**B**	**0.4**	**B**	**0.5**	**B**	0.3	U
Zinc	213.856	20	**2.3**	**B**	1.7	U	1.7	U	1.7	U	1.7	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 7/13/2005 6:31 AM Found	Q	CCB 7/13/2005 7:35 AM Found	Q	CCB 7/13/2005 8:42 AM Found	Q	CCB 7/13/2005 9:01 AM Found	Q	CCB 7/13/2005 10:37 AM Found	Q
Aluminum	308.215	200	13.4	U	**-17.0**	**B**	13.4	U	**19.6**	**B**	**20.6**	**B**
Antimony	206.838	10	3.2	U	3.2	U	3.2	U	3.2	U	**3.9**	**B**
Arsenic	189.042	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	200	**0.6**	**B**	**0.4**	**B**	**0.2**	**B**	**0.4**	**B**	**0.5**	**B**
Beryllium	313.042	5	**1.2**	**B**	**1.2**	**B**	**0.7**	**B**	**1.0**	**B**	**0.7**	**B**
Boron	249.678	200	**6.2**	**B**	**5.1**	**B**	**4.4**	**B**	**6.7**	**B**	**8.3**	**B**
Cadmium	226.502	2	0.1	U	**-0.3**	**B**	0.1	U	**0.1**	**B**	0.1	U
Calcium	317.933	5000	**65.3**	**B**	**64.4**	**B**	**43.0**	**B**	**51.3**	**B**	**67.4**	**B**
Chromium	267.716	5	0.7	U	**-3.1**	**B**	0.7	U	0.7	U	0.7	U
Cobalt	228.616	7	**0.5**	**B**	0.4	U	0.4	U	0.4	U	0.4	U
Copper	324.753	25	**-1.5**	**B**	**-2.4**	**B**	**-2.2**	**B**	**-1.5**	**B**	0.5	U
Iron	271.441	100	**7.1**	**B**	4.0	U	4.0	U	4.0	U	4.0	U
Lead	220.353	3	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Magnesium	279.078	5000	**10.4**	**B**	**8.2**	**B**	5.7	U	**5.8**	**B**	**12.8**	**B**
Manganese	257.61	15	**0.9**	**B**	**0.5**	**B**	**0.1**	**B**	**0.4**	**B**	**0.6**	**B**
Nickel	231.604	40	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Potassium	766.491	5000	**169.0**	**B**	**89.3**	**B**	**158.0**	**B**	**164.0**	**B**	**179.0**	**B**
Selenium	196.026	5	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Sodium	330.232	5000	525.0	U	**-1800.0**	**B**	525.0	U	525.0	U	525.0	U
Vanadium	292.402	7	**0.6**	**B**	**0.4**	**B**	0.3	U	**0.5**	**B**	**0.5**	**B**
Zinc	213.856	20	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 7/13/2005 11:25 AM Found	Q	CCB 7/13/2005 12:08 PM Found	Q	CCB 7/13/2005 1:13 PM Found	Q	CCB 7/13/2005 3:24 PM Found	Q	CCB 7/13/2005 3:41 PM Found	Q
Aluminum	308.215	200	**20.1**	**B**	**22.8**	**B**	13.4	U	13.4	U	13.4	U
Antimony	206.838	10	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Arsenic	189.042	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	200	**0.5**	**B**	**0.6**	**B**	**0.5**	**B**	**0.6**	**B**	**0.6**	**B**
Beryllium	313.042	5	**0.5**	**B**	**0.7**	**B**	**0.6**	**B**	**0.6**	**B**	**0.6**	**B**
Boron	249.678	200	**11.4**	**B**	**9.7**	**B**	**10.9**	**B**	**7.0**	**B**	**7.8**	**B**
Cadmium	226.502	2	0.1	U	**0.2**	**B**	0.1	U	0.1	U	0.1	U
Calcium	317.933	5000	**72.2**	**B**	**70.4**	**B**	**80.7**	**B**	**192.0**	**B**	**255.0**	**B**
Chromium	267.716	5	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Cobalt	228.616	7	**0.4**	**B**	**0.5**	**B**	**0.7**	**B**	**0.5**	**B**	0.4	U
Copper	324.753	25	**1.0**	**B**	**0.7**	**B**	**1.4**	**B**	**1.0**	**B**	**1.1**	**B**
Iron	271.441	100	4.0	U	**5.1**	**B**	**8.9**	**B**	4.0	U	4.0	U
Lead	220.353	3	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Magnesium	279.078	5000	**10.8**	**B**	**12.6**	**B**	**16.7**	**B**	**12.5**	**B**	**15.7**	**B**
Manganese	257.61	15	**0.5**	**B**	**0.6**	**B**	**0.6**	**B**	**0.6**	**B**	**0.6**	**B**
Nickel	231.604	40	1.1	U	1.1	U	**2.1**	**B**	1.1	U	**1.4**	**B**
Potassium	766.491	5000	**172.0**	**B**	**174.0**	**B**	**175.0**	**B**	**168.0**	**B**	**175.0**	**B**
Selenium	196.026	5	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Sodium	330.232	5000	525.0	U	525.0	U	525.0	U	525.0	U	525.0	U
Vanadium	292.402	7	**0.5**	**B**	**0.8**	**B**	**0.9**	**B**	**0.5**	**B**	**0.8**	**B**
Zinc	213.856	20	1.7	U	1.7	U	1.7	U	**4.1**	**B**	**5.6**	**B**

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 7/13/2005 4:44 PM Found	Q	CCB 7/13/2005 5:48 PM Found	Q	CCB 7/13/2005 6:54 PM Found	Q	CCB 7/13/2005 7:56 PM Found	Q	CCB 7/13/2005 9:03 PM Found	Q
Aluminum	308.215	200	13.4	U	**25.7**	**B**	**14.2**	**B**	13.4	U	**13.8**	**B**
Antimony	206.838	10	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Arsenic	189.042	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	200	**0.5**	**B**	**0.7**	**B**	**0.7**	**B**	**0.9**	**B**	**1.1**	**B**
Beryllium	313.042	5	**0.7**	**B**	**0.8**	**B**	**0.8**	**B**	**0.9**	**B**	**0.9**	**B**
Boron	249.678	200	**5.7**	**B**	**6.4**	**B**	**5.2**	**B**	**5.7**	**B**	**3.3**	**B**
Cadmium	226.502	2	**0.2**	**B**	0.1	U	**0.1**	**B**	0.1	U	**0.1**	**B**
Calcium	317.933	5000	**248.0**	**B**	**441.0**	**B**	**422.0**	**B**	**419.0**	**B**	**937.0**	**B**
Chromium	267.716	5	**0.7**	**B**	0.7	U	**0.8**	**B**	**0.9**	**B**	**1.2**	**B**
Cobalt	228.616	7	**0.6**	**B**	**0.5**	**B**	**0.7**	**B**	**0.9**	**B**	**0.6**	**B**
Copper	324.753	25	0.5	U	**1.2**	**B**	**0.7**	**B**	**0.7**	**B**	**0.6**	**B**
Iron	271.441	100	**17.2**	**B**	**9.1**	**B**	**14.2**	**B**	**24.0**	**B**	**20.2**	**B**
Lead	220.353	3	1.3	U	1.3	U	1.3	U	1.3	U	**1.4**	**B**
Magnesium	279.078	5000	**36.2**	**B**	**12.8**	**B**	**12.9**	**B**	**15.5**	**B**	**16.9**	**B**
Manganese	257.61	15	**0.8**	**B**	**0.8**	**B**	**1.1**	**B**	**1.6**	**B**	**1.5**	**B**
Nickel	231.604	40	**1.4**	**B**	**1.6**	**B**	1.1	U	**1.5**	**B**	1.1	U
Potassium	766.491	5000	**171.0**	**B**	**176.0**	**B**	**176.0**	**B**	**172.0**	**B**	**186.0**	**B**
Selenium	196.026	5	**3.4**	**B**	3.2	U	3.2	U	3.2	U	3.2	U
Sodium	330.232	5000	525.0	U	525.0	U	525.0	U	525.0	U	525.0	U
Vanadium	292.402	7	**0.7**	**B**	**1.0**	**B**	**0.4**	**B**	**1.2**	**B**	**0.8**	**B**
Zinc	213.856	20	**5.1**	**B**	**10.3**	**B**	**9.6**	**B**	**9.7**	**B**	**22.1**	

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 7/13/2005 10:06 PM Found	Q	CCB 7/13/2005 11:03 PM Found	Q	CCB 7/13/2005 11:24 PM Found	Q	CCB 7/14/2005 2:05 AM Found	Q	CCB 7/14/2005 3:08 AM Found	Q
Aluminum	308.215	200	**15.1**	**B**	**13.5**	**B**	**15.8**	**B**	13.4	U	**14.0**	**B**
Antimony	206.838	10	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Arsenic	189.042	10	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	200	**1.0**	**B**	**0.9**	**B**	**0.6**	**B**	**0.5**	**B**	**0.5**	**B**
Beryllium	313.042	5	**1.0**	**B**	**0.9**	**B**	**0.8**	**B**	**0.8**	**B**	**0.9**	**B**
Boron	249.678	200	**3.8**	**B**	**3.6**	**B**	**3.5**	**B**	**3.2**	**B**	**5.4**	**B**
Cadmium	226.502	2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Calcium	317.933	5000	**930.0**	**B**	**952.0**	**B**	**345.0**	**B**	**348.0**	**B**	**348.0**	**B**
Chromium	267.716	5	0.7	U	**0.9**	**B**	0.7	U	0.7	U	0.7	U
Cobalt	228.616	7	**0.5**	**B**	**0.7**	**B**	**0.7**	**B**	**0.5**	**B**	0.4	U
Copper	324.753	25	**0.6**	**B**	**0.8**	**B**	**0.6**	**B**	**0.8**	**B**	0.5	U
Iron	271.441	100	**22.0**	**B**	**7.9**	**B**	**8.0**	**B**	4.0	U	**6.7**	**B**
Lead	220.353	3	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Magnesium	279.078	5000	**18.4**	**B**	**13.9**	**B**	**6.9**	**B**	**12.3**	**B**	**11.0**	**B**
Manganese	257.61	15	**1.6**	**B**	**1.2**	**B**	**0.6**	**B**	**0.5**	**B**	**0.5**	**B**
Nickel	231.604	40	1.1	U	1.1	U	**1.4**	**B**	1.1	U	1.1	U
Potassium	766.491	5000	**180.0**	**B**	**177.0**	**B**	**171.0**	**B**	**180.0**	**B**	**182.0**	**B**
Selenium	196.026	5	3.2	U	3.2	U	3.2	U	3.2	U	3.2	U
Sodium	330.232	5000	525.0	U	525.0	U	**-590.0**	**B**	525.0	U	525.0	U
Vanadium	292.402	7	**0.5**	**B**	**0.6**	**B**	**0.3**	**B**	**0.6**	**B**	**0.5**	**B**
Zinc	213.856	20	**22.0**		**22.2**		**10.0**	**B**	**9.8**	**B**	**10.0**	**B**

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	CCB 7/14/2005 4:15 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	13.4	U								
Antimony	206.838	10	3.2	U								
Arsenic	189.042	10	2.4	U								
Barium	493.409	200	**0.5**	**B**								
Beryllium	313.042	5	**1.0**	**B**								
Boron	249.678	200	**10.8**	**B**								
Cadmium	226.502	2	**0.1**	**B**								
Calcium	317.933	5000	**337.0**	**B**								
Chromium	267.716	5	0.7	U								
Cobalt	228.616	7	0.4	U								
Copper	324.753	25	0.5	U								
Iron	271.441	100	4.0	U								
Lead	220.353	3	1.3	U								
Magnesium	279.078	5000	**11.9**	**B**								
Manganese	257.61	15	**0.5**	**B**								
Nickel	231.604	40	1.1	U								
Potassium	766.491	5000	**187.0**	**B**								
Selenium	196.026	5	3.2	U								
Sodium	330.232	5000	525.0	U								
Vanadium	292.402	7	**0.6**	**B**								
Zinc	213.856	20	**9.8**	**B**								

5.21.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A5G060000-019 **Prep Batch #...:** 5187019						
Aluminum	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AK
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Barium	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AL
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Beryllium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AM
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Boron	ND	0.20	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AN
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Calcium	**0.29 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEW2R1AP**
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Copper	ND	0.025	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AQ
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Iron	ND	0.10	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AR
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Magnesium	ND	5.0	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AT
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Manganese	**0.00030 B**	**0.015**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEW2R1AU**
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Mercury	ND	0.00020	mg/L	SW846 7470A	07/06/05	HEW2R1A1
		Dilution Factor: 1				
		Analysis Time..: 15:32	Analyst ID.....: 001086		Instrument ID..: H1	
Nickel	ND	0.040	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AV
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**0.16 B**	**5.0**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEW2R1AW**
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Sodium	ND	5.0	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AX
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Zinc	**0.0091 B**	**0.020**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEW2R1A0**
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Antimony	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AA
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Arsenic	ND	0.010	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AC
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Cadmium	ND	0.0020	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AD
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Chromium	ND	0.0050	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AJ
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Cobalt	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AE
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Lead	ND	0.0030	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AF
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Selenium	**0.0026 B**	**0.0050**	**mg/L**	**SW846 6010B**	**07/06-07/14/05**	**HEW2R1AG**
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	
Vanadium	ND	0.0070	mg/L	SW846 6010B	07/06-07/14/05	HEW2R1AH
		Dilution Factor: 1				
		Analysis Time..: 01:04	Analyst ID.....: 001619		Instrument ID..: I5	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	Reporting Limit	True Conc	ICSA 7/12/2005 12:19 PM Found	Found	Found	Found	Found
Aluminum	308.215		500000	489000				
Antimony	206.838	10		0				
Arsenic	189.042	10		0				
Barium	493.409	200		2				
Beryllium	313.042	5		0				
Boron	249.678	200		-1				
Cadmium	226.502	2		0				
Calcium	317.933		500000	479000				
Chromium	267.716	5		5				
Cobalt	228.616	7		4				
Copper	324.753	25		6				
Iron	271.441		200000	191000				
Lead	220.353	3		4				
Magnesium	279.078		500000	501000				
Manganese	257.61	15		13				
Nickel	231.604	40		5				
Potassium	766.491	5000		157				
Selenium	196.026	5		-3				
Sodium	330.232	5000		-200				
Vanadium	292.402	7		0				
Zinc	213.856	20		31				

U Result is less than the IDL

B Result is between IDL and RL

Form 4 Equivalent

Metals Data Reporting Form

Interference Check Standard AB

Instrument: ICPST **Units:** ug/L

Chart Number: I50712A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	ICSAB 7/12/2005 12:24 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	308.215	500000	477570.2	**95.5**								
Antimony	206.838	1000	961.3	**96.1**								
Arsenic	189.042	1000	980.3	**98.0**								
Barium	493.409	500	499.8	**100.0**								
Beryllium	313.042	500	491.1	**98.2**								
Boron	249.678	1000	1003.7	**100.4**								
Cadmium	226.502	1000	933.4	**93.3**								
Calcium	317.933	500000	467754.6	**93.6**								
Chromium	267.716	500	479.3	**95.9**								
Cobalt	228.616	500	471.4	**94.3**								
Copper	324.753	500	502.4	**100.5**								
Iron	271.441	200000	186593.4	**93.3**								
Lead	220.353	1000	943.5	**94.3**								
Magnesium	279.078	500000	488897.7	**97.8**								
Manganese	257.61	500	477.7	**95.5**								
Nickel	231.604	1000	930.0	**93.0**								
Potassium	766.491	10000	10439.3	**104.4**								
Selenium	196.026	1000	937.0	**93.7**								
Sodium	330.232	10000	9810.7	**98.1**								
Vanadium	292.402	500	473.9	**94.8**								
Zinc	213.856	1000	1020.6	**102.1**								

N Spike recovery failed
NC Percent recovery was not calculated
U Result is less than the IDL

Form 4 Equivalent

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5F300251-001 **Prep Batch #...:** 5187019							
Aluminum	110	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CT
	109	(75 - 125)	0.86	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CU
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Barium	102	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CV
	101	(75 - 125)	0.63	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CW
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Beryllium	110	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CX
	109	(75 - 125)	0.53	(0-20)	SW846 6010B	07/06-07/14/05	HEN501C0
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Boron	96	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501C1
	96	(75 - 125)	0.79	(0-20)	SW846 6010B	07/06-07/14/05	HEN501C2
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Calcium	97	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501C3
	95	(75 - 125)	1.0	(0-20)	SW846 6010B	07/06-07/14/05	HEN501C4
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Copper	109	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501C5
	108	(75 - 125)	0.82	(0-20)	SW846 6010B	07/06-07/14/05	HEN501C6
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Iron	115	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501C7
	114	(75 - 125)	0.31	(0-20)	SW846 6010B	07/06-07/14/05	HEN501C8
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Magnesium	97	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501C9
	96	(75 - 125)	0.84	(0-20)	SW846 6010B	07/06-07/14/05	HEN501DA
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	99	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501DC
	99	(75 - 125)	0.48	(0-20)	SW846 6010B	07/06-07/14/05	HEN501DD
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Mercury	91	(68 - 149)			SW846 7470A	07/06/05	HEN501DN
	92	(68 - 149)	1.8	(0-20)	SW846 7470A	07/06/05	HEN501DP
		Dilution Factor: 1					
		Analysis Time..: 15:39			Instrument ID..: H1	Analyst ID.....: 001086	
Nickel	94	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501DE
	93	(75 - 125)	1.3	(0-20)	SW846 6010B	07/06-07/14/05	HEN501DF
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Potassium	99	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501DG
	99	(75 - 125)	0.61	(0-20)	SW846 6010B	07/06-07/14/05	HEN501DH
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Sodium	95	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501DJ
	93	(75 - 125)	1.2	(0-20)	SW846 6010B	07/06-07/14/05	HEN501DK
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Zinc	105	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501DL
	103	(75 - 125)	1.5	(0-20)	SW846 6010B	07/06-07/14/05	HEN501DM
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Antimony	106	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501A9
	105	(75 - 125)	0.26	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CA
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Arsenic	101	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CC
	101	(75 - 125)	0.55	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CD
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Cadmium	104	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CE
	103	(75 - 125)	0.71	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CF
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	105	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CQ
	104	(75 - 125)	0.69	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CR
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Cobalt	102	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CG
	101	(75 - 125)	0.51	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CH
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Lead	102	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CJ
	102	(75 - 125)	0.34	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CK
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Selenium	104	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CL
	104	(75 - 125)	0.34	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CM
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	
Vanadium	101	(75 - 125)			SW846 6010B	07/06-07/14/05	HEN501CN
	100	(75 - 125)	0.62	(0-20)	SW846 6010B	07/06-07/14/05	HEN501CP
		Dilution Factor: 1					
		Analysis Time..: 01:19			Instrument ID..: I5	Analyst ID.....: 001619	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A5F300251-001 **Prep Batch #...:** 5187019									
Aluminum									
	ND	2.0	2.2	mg/L	110		SW846 6010B	07/06-07/14/05	HEN501CT
	ND	2.0	2.2	mg/L	109	0.86	SW846 6010B	07/06-07/14/05	HEN501CU
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Barium									
	0.075	2.0	2.1	mg/L	102		SW846 6010B	07/06-07/14/05	HEN501CV
	0.075	2.0	2.1	mg/L	101	0.63	SW846 6010B	07/06-07/14/05	HEN501CW
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Beryllium									
	ND	0.050	0.055	mg/L	110		SW846 6010B	07/06-07/14/05	HEN501CX
	ND	0.050	0.055	mg/L	109	0.53	SW846 6010B	07/06-07/14/05	HEN501C0
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Boron									
	0.19	1.0	1.2	mg/L	96		SW846 6010B	07/06-07/14/05	HEN501C1
	0.19	1.0	1.1	mg/L	96	0.79	SW846 6010B	07/06-07/14/05	HEN501C2
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Calcium									
	43.6	50.0	92.3	mg/L	97		SW846 6010B	07/06-07/14/05	HEN501C3
	43.6	50.0	91.3	mg/L	95	1.0	SW846 6010B	07/06-07/14/05	HEN501C4
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Copper									
	ND	0.25	0.27	mg/L	109		SW846 6010B	07/06-07/14/05	HEN501C5
	ND	0.25	0.27	mg/L	108	0.82	SW846 6010B	07/06-07/14/05	HEN501C6
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Iron									
	0.043	1.0	1.2	mg/L	115		SW846 6010B	07/06-07/14/05	HEN501C7
	0.043	1.0	1.2	mg/L	114	0.31	SW846 6010B	07/06-07/14/05	HEN501C8
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	29.1	50.0	77.6	mg/L	97		SW846 6010B	07/06-07/14/05	HEN501C9
	29.1	50.0	77.0	mg/L	96	0.84	SW846 6010B	07/06-07/14/05	HEN501DA
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Manganese									
	0.012	0.50	0.51	mg/L	99		SW846 6010B	07/06-07/14/05	HEN501DC
	0.012	0.50	0.51	mg/L	99	0.48	SW846 6010B	07/06-07/14/05	HEN501DD
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Mercury									
	ND	0.0010	0.00091	mg/L	91		SW846 7470A	07/06/05	HEN501DN
	ND	0.0010	0.00092	mg/L	92	1.8	SW846 7470A	07/06/05	HEN501DP
			Dilution Factor: 1						
			Analysis Time..: 15:39		Instrument ID..: H1			Analyst ID.....: 001086	
Nickel									
	0.0090	0.50	0.48	mg/L	94		SW846 6010B	07/06-07/14/05	HEN501DE
	0.0090	0.50	0.47	mg/L	93	1.3	SW846 6010B	07/06-07/14/05	HEN501DF
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Potassium									
	2.4	50.0	52.1	mg/L	99		SW846 6010B	07/06-07/14/05	HEN501DG
	2.4	50.0	51.7	mg/L	99	0.61	SW846 6010B	07/06-07/14/05	HEN501DH
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Sodium									
	20.1	50.0	67.7	mg/L	95		SW846 6010B	07/06-07/14/05	HEN501DJ
	20.1	50.0	66.8	mg/L	93	1.2	SW846 6010B	07/06-07/14/05	HEN501DK
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Zinc									
	0.029	0.50	0.55	mg/L	105		SW846 6010B	07/06-07/14/05	HEN501DL
	0.029	0.50	0.55	mg/L	103	1.5	SW846 6010B	07/06-07/14/05	HEN501DM
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony									
	ND	0.50	0.53	mg/L	106		SW846 6010B	07/06-07/14/05	HEN501A9
	ND	0.50	0.53	mg/L	105	0.26	SW846 6010B	07/06-07/14/05	HEN501CA
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Arsenic									
	ND	2.0	2.0	mg/L	101		SW846 6010B	07/06-07/14/05	HEN501CC
	ND	2.0	2.0	mg/L	101	0.55	SW846 6010B	07/06-07/14/05	HEN501CD
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Cadmium									
	ND	0.050	0.052	mg/L	104		SW846 6010B	07/06-07/14/05	HEN501CE
	ND	0.050	0.052	mg/L	103	0.71	SW846 6010B	07/06-07/14/05	HEN501CF
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Chromium									
	ND	0.20	0.21	mg/L	105		SW846 6010B	07/06-07/14/05	HEN501CQ
	ND	0.20	0.21	mg/L	104	0.69	SW846 6010B	07/06-07/14/05	HEN501CR
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Cobalt									
	ND	0.50	0.51	mg/L	102		SW846 6010B	07/06-07/14/05	HEN501CG
	ND	0.50	0.51	mg/L	101	0.51	SW846 6010B	07/06-07/14/05	HEN501CH
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Lead									
	ND	0.50	0.51	mg/L	102		SW846 6010B	07/06-07/14/05	HEN501CJ
	ND	0.50	0.51	mg/L	102	0.34	SW846 6010B	07/06-07/14/05	HEN501CK
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	
Selenium									
	0.0028	2.0	2.1	mg/L	104		SW846 6010B	07/06-07/14/05	HEN501CL
	0.0028	2.0	2.1	mg/L	104	0.34	SW846 6010B	07/06-07/14/05	HEN501CM
			Dilution Factor: 1						
			Analysis Time..: 01:19		Instrument ID..: I5			Analyst ID.....: 001619	

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium									
	ND	0.50	0.50	mg/L	101		SW846 6010B	07/06-07/14/05	HEN501CN
	ND	0.50	0.50	mg/L	100	0.62	SW846 6010B	07/06-07/14/05	HEN501CP

Dilution Factor: 1
Analysis Time..: 01:19 Instrument ID..: I5 Analyst ID.....: 001619

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5G060000-019 **Prep Batch #...:** 5187019					
Aluminum	94	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CA
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Barium	89	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CC
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Beryllium	96	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CD
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Boron	84	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CE
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Calcium	89	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CF
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Copper	96	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CG
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Iron	101	(77 - 127)	SW846 6010B	07/06-07/14/05	HEW2R1CH
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Magnesium	85	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CJ
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Manganese	87	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CK
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Nickel	84	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CL
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	88	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CM
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Sodium	84	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CN
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Zinc	93	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1CP
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Mercury	96	(82 - 131)	SW846 7470A	07/06/05	HEW2R1CQ
		Dilution Factor: 1	Analysis Time..: 15:33	Analyst ID.....: 001086	
		Instrument ID..: H1			
Antimony	92	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1A2
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Arsenic	89	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1A3
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Cadmium	92	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1A4
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Cobalt	90	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1A5
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Lead	90	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1A6
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Selenium	92	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1A7
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			
Vanadium	89	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1A8
		Dilution Factor: 1	Analysis Time..: 01:08	Analyst ID.....: 001619	
		Instrument ID..: I5			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	92	(80 - 120)	SW846 6010B	07/06-07/14/05	HEW2R1A9

Dilution Factor: 1 Analysis Time..: 01:08 Analyst ID.....: 001619
Instrument ID..: I5

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A5G060000-019 **Prep Batch #...:** 5187019							
Aluminum	2.0	1.9	mg/L	94	SW846 6010B	07/06-07/14/05	HEW2R1CA
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Barium	2.0	1.8	mg/L	89	SW846 6010B	07/06-07/14/05	HEW2R1CC
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Beryllium	0.050	0.048	mg/L	96	SW846 6010B	07/06-07/14/05	HEW2R1CD
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Boron	1.0	0.84	mg/L	84	SW846 6010B	07/06-07/14/05	HEW2R1CE
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Calcium	50.0	44.7	mg/L	89	SW846 6010B	07/06-07/14/05	HEW2R1CF
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Copper	0.25	0.24	mg/L	96	SW846 6010B	07/06-07/14/05	HEW2R1CG
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Iron	1.0	1.0	mg/L	101	SW846 6010B	07/06-07/14/05	HEW2R1CH
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Magnesium	50.0	42.5	mg/L	85	SW846 6010B	07/06-07/14/05	HEW2R1CJ
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Manganese	0.50	0.44	mg/L	87	SW846 6010B	07/06-07/14/05	HEW2R1CK
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Nickel	0.50	0.42	mg/L	84	SW846 6010B	07/06-07/14/05	HEW2R1CL
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	50.0	43.8	mg/L	88	SW846 6010B	07/06-07/14/05	HEW2R1CM
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Sodium	50.0	41.8	mg/L	84	SW846 6010B	07/06-07/14/05	HEW2R1CN
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Zinc	0.50	0.47	mg/L	93	SW846 6010B	07/06-07/14/05	HEW2R1CP
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Mercury	0.0050	0.0048	mg/L	96	SW846 7470A	07/06/05	HEW2R1CQ
			Dilution Factor: 1		Analysis Time..: 15:33	Analyst ID.....: 001086	
			Instrument ID..: H1				
Antimony	0.50	0.46	mg/L	92	SW846 6010B	07/06-07/14/05	HEW2R1A2
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Arsenic	2.0	1.8	mg/L	89	SW846 6010B	07/06-07/14/05	HEW2R1A3
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Cadmium	0.050	0.046	mg/L	92	SW846 6010B	07/06-07/14/05	HEW2R1A4
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Cobalt	0.50	0.45	mg/L	90	SW846 6010B	07/06-07/14/05	HEW2R1A5
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Lead	0.50	0.45	mg/L	90	SW846 6010B	07/06-07/14/05	HEW2R1A6
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Selenium	2.0	1.8	mg/L	92	SW846 6010B	07/06-07/14/05	HEW2R1A7
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				
Vanadium	0.50	0.44	mg/L	89	SW846 6010B	07/06-07/14/05	HEW2R1A8
			Dilution Factor: 1		Analysis Time..: 01:08	Analyst ID.....: 001619	
			Instrument ID..: I5				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	0.20	0.18	mg/L	92	SW846 6010B	07/06-07/14/05	HEW2R1A9

Dilution Factor: 1 Analysis Time..: 01:08 Analyst ID.....: 001619
Instrument ID..: I5

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Mercury	253.700	0.2	0.10	4/14/2005

STL North Canton

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Aluminum	308.215	200.0	13.4	6/30/2005
Antimony	206.838	10.0	3.2	6/30/2005
Arsenic	189.042	10.0	2.4	6/30/2005
Barium	493.409	200.0	0.10	6/30/2005
Beryllium	313.042	5.0	0.10	6/30/2005
Boron	249.678	200.0	2.6	6/30/2005
Cadmium	226.502	2.0	0.12	6/30/2005
Calcium	317.933	5000.0	42.7	6/30/2005
Chromium	267.716	5.0	0.72	6/30/2005
Cobalt	228.616	7.0	0.40	6/30/2005
Copper	324.753	25.0	0.54	6/30/2005
Iron	271.441	100.0	4.0	6/30/2005
Lead	220.353	3.0	1.3	6/30/2005
Magnesium	279.078	5000.0	5.7	6/30/2005
Manganese	257.610	15.0	0.10	6/30/2005
Nickel	231.604	40.0	1.1	6/30/2005
Potassium	766.491	5000.0	20.8	6/30/2005
Selenium	196.026	5.0	3.2	6/30/2005
Sodium	330.232	5000.0	525	6/30/2005
Vanadium	292.402	7.0	0.26	6/30/2005
Zinc	213.856	20.0	1.7	6/30/2005

STL North Canton

Metals Data Reporting Form

Inter-Element Correction Factors

Instrument: ICPST **Date of IEC's:** 7/1/2005

Interfering Element	Wavelength /Mass	Correction Factor(s)
Aluminum	308.215	Cd(0.000004), Pb(-0.00002233), Sb(-0.00000667), Se(-0.00000667), Tl(-0.00002), Zn(0.000011)
Chromium	267.716	As(-0.00344), Fe(0.001539), Sb(0.01185333), Tl(0.000317)
Copper	324.753	Pb(0.00008667), Zn(0.000506)
Iron	271.441	As(0.000006), Cd(0.000078), Mn(0.000006), Mo(-0.00001), Pb(0.000044), Sb(0.000016), Se(-0.00018667), Tl(-0.00006), V(0.000027), Zn(0.000106)
Manganese	257.61	Ag(0.000126), Al(0.001466), Mg(-0.00193), Pb(0.00005733), Se(0.00056933), Tl(-0.00072)
Molybdenum	202.03	Al(0.011165), As(-0.00131), Cu(0.00048), Fe(0.002719), Pb(-0.00079), Sb(-0.00739233), V(-0.00027)
Nickel	231.604	Cd(0.000027), Co(0.00022), Pb(0.00018667), Sb(-0.00244667), Zn(0.006376)
Titanium	334.941	Be(-0.00155)
Vanadium	292.402	Al(0.024859), Be(0.000307), Cr(0.000165), Cu(-0.00024), Fe(0.011236), Pb(-0.00014), Sb(-0.00009333), Tl(0.002281)

STL North Canton

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICPST **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Aluminum	308.22	500000	7/1/2005
Antimony	206.84	10000	7/1/2005
Arsenic	189.04	10000	7/1/2005
Barium	493.41	25000	7/1/2005
Beryllium	313.04	4000	7/1/2005
Boron	249.68	20000	7/1/2005
Cadmium	226.50	2500	7/5/2005
Calcium	317.93	600000	7/1/2005
Chromium	267.72	50000	7/1/2005
Cobalt	228.62	50000	7/1/2005
Copper	324.75	50000	7/1/2005
Iron	271.44	600000	7/1/2005
Lead	220.35	15000	7/1/2005
Magnesium	279.08	550000	7/5/2005
Manganese	257.61	25000	7/1/2005
Nickel	231.60	50000	7/1/2005
Potassium	766.49	600000	7/1/2005
Selenium	196.03	10000	7/1/2005
Sodium	330.23	600000	7/1/2005
Vanadium	292.40	50000	7/1/2005
Zinc	213.86	10000	7/1/2005

Severn Trent Laboratories, Inc.

Batch Number **5187019**

Metals Prep Log/ Batch Summary

Initials UPM/KW

Prep Date: 7/06/05

Due Date: 2005/07/14

Lot	Work Order				ICP Weight	ICPMS Weight	Hg Weight
A5G060000	HEW2R	B	Due Date:	/ / 0			
Water	Dissolved			SDG:			
A5G060000	HEW2R	B	Due Date:	/ / 0			
Water	Total			SDG:			
A5G060000	HEW2R	C	Due Date:	/ / 0			
Water	Dissolved			SDG:			
A5G060000	HEW2R	C	Due Date:	/ / 0			
Water	Total			SDG:			
A5F300251	HEN50		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN50	D	Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN50	S	Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN59		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN6D		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN6F		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN6G		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN6P		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN6W		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN61		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN65		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN68		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN7D		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN7F		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN7H		Due Date:	7/14/05			
Water	Total			SDG:			
A5F300251	HEN7K		Due Date:	7/14/05			
Water	Total			SDG:			

Severn Trent Laboratories, Inc.
Metals Prep Log/ Batch Summary

Batch Number 5187019

Initials cpm/ku

Prep Date: 7/06/05

Due Date: 2005/07/14

Lot	Work Order			ICP Weight	ICPMS Weight	Hg Weight
A5F300251	HEN7M	Due Date:	7/14/05			
Water	Total		SDG:			
A5F300251	HEN7P	Due Date:	7/14/05			
Water	Total		SDG:			
A5F300251	HEPDT	Due Date:	7/14/05			
Water	Total		SDG:			
A5F140188	HDJ92	Due Date:	7/15/05			
Water	Total		SDG:			
A5F140188	HDJ94	Due Date:	7/15/05			
Water	Dissolved		SDG:			
A5F300152	HENGH	Due Date:	7/27/05			
Water	Total		SDG:			

LEVEL 2

BLANK AND CHECK STANDARD ON BATCH	✓
MS/MSD AND PDS ON BATCH	✓
CURVE PREPARED FOR Hg	
CORRECT SPIKES ADDED	✓
SPIKING SOLUTIONS DOCUMENTED ON BATCH LOG	✓

Comments:

B - BLANK ; C - CHECK SAMPLE ; L - CHECK SAMPLE DUPLICATE ; P - SERIAL DILUTION ; S - MATRIX SPIKE SAMPLE ; D - MATRIX SPIKE DUPLICATE SAMPLE

ICP ELEMENTS WITHIN THE BATCH:

AG AL AS BA BE BX CA CD CO CR CU FE KX MG MN NA NI PB SB SE TL VX ZN

ICPMS ELEMENTS WITHIN THE BATCH:

MS/MSD 1: HEN50	(ICP-1)	(ICP-2A)	RCRA	non - RCRA	(Hg)	(Ag)	ICPMS-1	ICPMS-2
MS/MSD2:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
MS/MSD3:	ICP-1	ICP-2A	RCRA	non - RCRA	Hg	Ag	ICPMS-1	ICPMS-2
LCS/LCSD : HEW2R	(ICP-1)	(ICP-2A)			(Hg)	(Ag)	ICPMS-1	ICPMS-2

Prep Method(s): SW846 3005A,SW846 7470A

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:       Instrument Upload                                    Run Log - Page  1 :
:       Started Thu Jul  7 06:24:37 2005 by LISTM                              :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG10706A.PRN;1                       :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1REP1	1	06-JUL-2005	09:48:53			H1
2	STD2REP1	1	06-JUL-2005	09:50:59			H1
3	STD3REP1	1	06-JUL-2005	09:52:08			H1
4	STD4REP1	1	06-JUL-2005	09:53:15			H1
5	STD5REP1	1	06-JUL-2005	09:54:45			H1
6	STD6REP1	1	06-JUL-2005	09:55:54			H1
7	ICV	1	06-JUL-2005	09:57:01			H1
8	ICB	1	06-JUL-2005	09:58:17			H1
9	CRA\MRL	1	06-JUL-2005	09:59:52			H1
10	CCV	1	06-JUL-2005	10:01:26			H1
11	CCB	1	06-JUL-2005	10:02:32			H1
12	PBS2	1	06-JUL-2005	10:03:39			H1
13	LCSS2	5	06-JUL-2005	10:04:57			H1
14	HD87F	1	06-JUL-2005	10:06:05	5179179	5E23283	H1
15	HD87FD	1	06-JUL-2005	10:07:13			H1
16	HD87FS	1	06-JUL-2005	10:08:19	5179179	5E23283	H1
17	CCV	1	06-JUL-2005	10:09:27			H1
18	CCB	1	06-JUL-2005	10:10:34			H1
19	HD87FS	2	06-JUL-2005	10:12:34	5179179	5E23283	H1
20	CCV	1	06-JUL-2005	10:13:41			H1
21	CCB	1	06-JUL-2005	10:14:46			H1
22	CK2CCV	1	06-JUL-2005	10:19:39			H1
23	CK1CCB	1	06-JUL-2005	10:20:47			H1
24	IDL	1	06-JUL-2005	10:22:02			H1
25	IDL	1	06-JUL-2005	10:23:10			H1
26	IDL	1	06-JUL-2005	10:25:35			H1
27	IDL	1	06-JUL-2005	10:26:51			H1
28	IDL	1	06-JUL-2005	10:27:59			H1
29	IDL	1	06-JUL-2005	10:29:08			H1
30	IDL	1	06-JUL-2005	10:30:25			H1
31	HEVR9B	1	06-JUL-2005	10:31:52	5186028	A5G050000	H1
32	HEVR9C	1	06-JUL-2005	10:32:59	5186028	A5G050000	H1
33	HD5V6	1	06-JUL-2005	10:34:15	5186028	5F16151	H1
34	CK2CCV	1	06-JUL-2005	10:35:19			H1
35	CK1CCB	1	06-JUL-2005	10:36:25			H1
36	HD5V6F	1	06-JUL-2005	10:37:32	5186028	5F16151	H1
37	HELR5	1	06-JUL-2005	10:38:38	5186028	A5F290258	H1
38	HELR5S	1	06-JUL-2005	10:40:06	5186028	A5F290258	H1
39	HELR5D	1	06-JUL-2005	10:41:12	5186028	A5F290258	H1
40	HELVD	1	06-JUL-2005	10:43:41	5186028	A5F290258	H1
41	HELWE	1	06-JUL-2005	10:44:48	5186028	A5F290258	H1
42	HEKNM	1	06-JUL-2005	10:45:54	5186028	5F29134	H1
43	HEKPJ	1	06-JUL-2005	10:46:59	5186028	5F29134	H1
44	HEKPW	1	06-JUL-2005	10:48:27	5186028	5F29134	H1

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	HENM1	1	06-JUL-2005	10:49:36	5186028	A5F300171	H1
46	CK2CCV	1	06-JUL-2005	10:50:41			H1
47	CK1CCB	1	06-JUL-2005	10:51:47			H1
48	HENM2	1	06-JUL-2005	10:54:13	5186028	A5F300171	H1
49	HENML	1	06-JUL-2005	10:55:59	5186028	A5F300171	H1
50	HETX6	1	06-JUL-2005	10:57:06	5186028	A5G020111	H1
51	HETXQ	1	06-JUL-2005	10:58:13	5186028	A5G020111	H1
52	CK2CCV	1	06-JUL-2005	10:59:28			H1
53	CK1CCB	1	06-JUL-2005	11:00:33			H1
54	CK2CCV	1	06-JUL-2005	11:04:53			H1
55	CK1CCB	1	06-JUL-2005	11:06:22			H1
56	HEVRRB	1	06-JUL-2005	11:07:28	5186020	A5G050000	H1
57	HEVRRC	1	06-JUL-2005	11:08:49	5186020	A5G050000	H1
58	HEPH0	1	06-JUL-2005	11:09:55	5186020	A5F300296	H1
59	HEPJE	1	06-JUL-2005	11:11:16	5186020	A5F300296	H1
60	HEPJH	1	06-JUL-2005	11:12:23	5186020	A5F300296	H1
61	HEPJP	1	06-JUL-2005	11:13:31	5186020	A5F300296	H1
62	HEG85	1	06-JUL-2005	11:14:38	5186020	A5F280159	H1
63	HER1C	1	06-JUL-2005	11:15:42	5186020	A5G010181	H1
64	HER1J	1	06-JUL-2005	11:16:49	5186020	A5G010181	H1
65	HER1K	1	06-JUL-2005	11:18:15	5186020	A5G010181	H1
66	CK2CCV	1	06-JUL-2005	11:19:25			H1
67	CK1CCB	1	06-JUL-2005	11:20:32			H1
68	HERE5	1	06-JUL-2005	11:21:41	5186020	A5G010181	H1
69	HERM7	1	06-JUL-2005	11:22:48	5186020	A5G010203	H1
70	HEHC2	1	06-JUL-2005	11:23:56	5186020	A5F280163	H1
71	HEJJ8	1	06-JUL-2005	11:25:12	5186020	A5F280316	H1
72	HEJJ8S	1	06-JUL-2005	11:26:38	5186020	A5F280316	H1
73	HEJJ8D	1	06-JUL-2005	11:28:04	5186020	A5F280316	H1
74	HEJP2	1	06-JUL-2005	11:29:12	5186020	A5F280337	H1
75	HEJV7	1	06-JUL-2005	11:30:19	5186020	A5F280350	H1
76	HEJVT	1	06-JUL-2005	11:31:34	5186020	A5F280350	H1
77	HEP17	1	06-JUL-2005	11:32:50	5186020	A5F300347	H1
78	CK2CCV	1	06-JUL-2005	11:33:56			H1
79	CK1CCB	1	06-JUL-2005	11:36:05			H1
80	HEP0C	1	06-JUL-2005	11:37:11	5186020	5F28289	H1
81	HET1K	1	06-JUL-2005	11:38:42	5186020	5F29141	H1
82	HET1L	1	06-JUL-2005	11:39:51	5186020	5F29141	H1
83	HEVR1B	1	06-JUL-2005	11:41:07	5186024	A5G050000	H1
84	HEVR1C	1	06-JUL-2005	11:42:18	5186024	A5G050000	H1
85	HD812	1	06-JUL-2005	11:43:45	5186024	5F23258	H1
86	HD812F	1	06-JUL-2005	11:45:07	5186024	5F23258	H1
87	HD819	1	06-JUL-2005	11:46:16	5186024	5F23258	H1
88	HD819F	1	06-JUL-2005	11:47:45	5186024	5F23258	H1

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	HD81W	1	06-JUL-2005	11:50:21	5186024	5F23258	H1
90	CK2CCV	1	06-JUL-2005	11:51:27			H1
91	CK1CCB	1	06-JUL-2005	11:52:46			H1
92	HD81WS	1	06-JUL-2005	11:54:04	5186024	5F23258	H1
93	HD81WD	1	06-JUL-2005	11:55:29	5186024	5F23258	H1
94	HD81WF	1	06-JUL-2005	11:57:28	5186024	5F23258	H1
95	HD824	1	06-JUL-2005	11:58:35	5186024	5F23258	H1
96	HD824F	1	06-JUL-2005	11:59:53	5186024	5F23258	H1
97	HD828	1	06-JUL-2005	12:01:09	5186024	5F23258	H1
98	HD828F	1	06-JUL-2005	12:02:17	5186024	5F23258	H1
99	HD82F	1	06-JUL-2005	12:03:36	5186024	5F23258	H1
100	HD82FF	1	06-JUL-2005	12:04:47	5186024	5F23258	H1
101	HD82H	1	06-JUL-2005	12:05:59	5186024	5F23258	H1
102	CK2CCV	1	06-JUL-2005	12:07:06			H1
103	CK1CCB	1	06-JUL-2005	12:08:12			H1
104	HD82HF	1	06-JUL-2005	12:09:50	5186024	5F23258	H1
105	HD82Q	1	06-JUL-2005	12:11:08	5186024	5F23258	H1
106	HD82QF	1	06-JUL-2005	12:12:19	5186024	5F23258	H1
107	HD83L	1	06-JUL-2005	12:13:27	5186024	5F23258	H1
108	HD83LF	1	06-JUL-2005	12:14:52	5186024	5F23258	H1
109	HD83P	1	06-JUL-2005	12:16:01	5186024	5F23258	H1
110	HD83PF	1	06-JUL-2005	12:17:13	5186024	5F23258	H1
111	HEPCEBT	1	06-JUL-2005	12:18:41	5186019	A5F300000	H1
112	HEVRPBT	1	06-JUL-2005	12:19:49	5186019	A5G050000	H1
113	HEVRPCT	1	06-JUL-2005	12:21:32	5186019	A5G050000	H1
114	CK2CCV	1	06-JUL-2005	12:22:39			H1
115	CK1CCB	1	06-JUL-2005	12:23:49			H1
116	HD9FTT	1	06-JUL-2005	12:25:04	5186019	5F21136	H1
117	HD9FTTS	1	06-JUL-2005	12:26:15	5186019	5F21136	H1
118	HD9FTTSD	1	06-JUL-2005	12:27:33	5186019	5F21136	H1
119	CK2CCV	1	06-JUL-2005	12:28:39			H1
120	CK1CCB	1	06-JUL-2005	12:29:48			H1
121	CK2CCV	1	06-JUL-2005	12:35:53			H1
122	CK1CCB	1	06-JUL-2005	12:37:09			H1
123	HEQQMB	1	06-JUL-2005	12:38:39	5182034	A5G010000	H1
124	HEQQMC	1	06-JUL-2005	12:39:56	5182034	A5G010000	H1
125	HEG86	1	06-JUL-2005	12:41:02	5182034	A5F280159	H1
126	HEG86S	1	06-JUL-2005	12:42:12	5182034	A5F280159	H1
127	HEG86D	1	06-JUL-2005	12:43:37	5182034	A5F280159	H1
128	HEG87	1	06-JUL-2005	12:56:48	5182034	A5F280159	H1
129	HEG94	1	06-JUL-2005	13:10:00	5182034	A5F280159	H1
130	HEG97	1	06-JUL-2005	13:11:10	5182034	A5F280159	H1
131	HEG99	1	06-JUL-2005	13:24:24	5182034	A5F280159	H1
132	HEG9A	1	06-JUL-2005	13:38:35	5182034	A5F280159	H1

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
133	CK2CCV	1	06-JUL-2005	13:39:49			H1
134	CK1CCB	1	06-JUL-2005	13:41:19			H1
135	CK2CCV	1	06-JUL-2005	13:59:09			H1
136	CK1CCB	1	06-JUL-2005	14:00:14			H1
137	HEQQMB	1	06-JUL-2005	14:01:48	5182034	A5G010000	H1
138	HEQQMC	1	06-JUL-2005	14:02:53	5182034	A5G010000	H1
139	HEG86	1	06-JUL-2005	14:04:08	5182034	A5F280159	H1
140	HEG86S	1	06-JUL-2005	14:05:26	5182034	A5F280159	H1
141	HEG86D	1	06-JUL-2005	14:07:40	5182034	A5F280159	H1
142	HEG87	50	06-JUL-2005	14:20:53	5182034	A5F280159	H1
143	HEG94	1000	06-JUL-2005	14:22:02	5182034	A5F280159	H1
144	HEG97	10	06-JUL-2005	14:23:08	5182034	A5F280159	H1
145	HEG99	1000	06-JUL-2005	14:24:33	5182034	A5F280159	H1
146	HEG9A	1000	06-JUL-2005	14:25:52	5182034	A5F280159	H1
147	CK2CCV	1	06-JUL-2005	14:27:09			H1
148	CK1CCB	1	06-JUL-2005	14:28:13			H1
149	CK2CCV	1	06-JUL-2005	14:31:06			H1
150	CK1CCB	1	06-JUL-2005	14:32:43			H1
151	HEQQMB	1	06-JUL-2005	14:33:49	5182034	A5G010000	H1
152	HEQQMC	1	06-JUL-2005	14:34:53	5182034	A5G010000	H1
153	HEG86	1	06-JUL-2005	14:35:57	5182034	A5F280159	H1
154	HEG86S	1	06-JUL-2005	14:37:05	5182034	A5F280159	H1
155	HEG86D	1	06-JUL-2005	14:38:10	5182034	A5F280159	H1
156	HEG87	1000	06-JUL-2005	14:39:17	5182034	A5F280159	H1
157	HEG94	100	06-JUL-2005	14:40:25	5182034	A5F280159	H1
158	HEG97	10	06-JUL-2005	14:41:33	5182034	A5F280159	H1
159	HEG99	1000	06-JUL-2005	14:42:38	5182034	A5F280159	H1
160	HEG9A	1000	06-JUL-2005	14:43:44	5182034	A5F280159	H1
161	CK2CCV	1	06-JUL-2005	14:44:49			H1
162	CK1CCB	1	06-JUL-2005	14:46:18			H1
163	HEG9E	20	06-JUL-2005	14:59:41	5182034	A5F280159	H1
164	HEG9J	1000	06-JUL-2005	15:01:00	5182034	A5F280159	H1
165	HEG9N	1000	06-JUL-2005	15:02:05	5182034	A5F280159	H1
166	HEG9Q	1000	06-JUL-2005	15:03:12	5182034	A5F280159	H1
167	HEG9X	1000	06-JUL-2005	15:04:42	5182034	A5F280159	H1
168	HEHAC	1000	06-JUL-2005	15:06:03	5182034	A5F280159	H1
169	HEHAD	1000	06-JUL-2005	15:07:22	5182034	A5F280159	H1
170	HEHAF	1000	06-JUL-2005	15:08:52	5182034	A5F280159	H1
171	HEHAG	1000	06-JUL-2005	15:09:57	5182034	A5F280159	H1
172	HEHAJ	1000	06-JUL-2005	15:11:06	5182034	A5F280159	H1
173	CK2CCV	1	06-JUL-2005	15:12:56			H1
174	CK1CCB	1	06-JUL-2005	15:14:01			H1
175	HEHAL	1000	06-JUL-2005	15:15:38	5182034	A5F280159	H1
176	HEHAM	1000	06-JUL-2005	15:17:19	5182034	A5F280159	H1

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:       Started Thu Jul  7 06:24:38 2005 by LISTM                              :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
177	HEHAN	1000	06-JUL-2005	15:18:50	5182034	A5F280159	H1
178	HEHAR	1000	06-JUL-2005	15:20:19	5182034	A5F280159	H1
179	HEW3KB	1	06-JUL-2005	15:21:24	5187035	A5G060000	H1
180	HEW3KC	1	06-JUL-2005	15:22:29	5187035	A5G060000	H1
181	HEA4N	1	06-JUL-2005	15:24:06	5187035	5F23258	H1
182	HEA4NS	1	06-JUL-2005	15:25:46	5187035	5F23258	H1
183	HEA4ND	1	06-JUL-2005	15:26:56	5187035	5F23258	H1
184	HEA4NF	1	06-JUL-2005	15:28:03	5187035	5F23258	H1
185	CK2CCV	1	06-JUL-2005	15:29:34			H1
186	CK1CCB	1	06-JUL-2005	15:31:13			H1
187	HEW2RB	1	06-JUL-2005	15:32:18	5187019	A5G060000	H1
188	HEW2RC	1	06-JUL-2005	15:33:55	5187019	A5G060000	H1
189	HDJ92	1	06-JUL-2005	15:36:05	5187019	A5F140188	H1
190	HDJ94F	1	06-JUL-2005	15:37:22	5187019	A5F140188	H1
191	HEN50	1	06-JUL-2005	15:38:51	5187019	A5F300251	H1
192	HEN50S	1	06-JUL-2005	15:39:57	5187019	A5F300251	H1
193	HEN50D	1	06-JUL-2005	15:41:04	5187019	A5F300251	H1
194	HEN59	1	06-JUL-2005	15:42:11	5187019	A5F300251	H1
195	HEN61	1	06-JUL-2005	15:43:17	5187019	A5F300251	H1
196	HEN65	1	06-JUL-2005	15:44:55	5187019	A5F300251	H1
197	CK2CCV	1	06-JUL-2005	15:46:02			H1
198	CK1CCB	1	06-JUL-2005	15:47:28			H1
199	HEN68	1	06-JUL-2005	15:48:35	5187019	A5F300251	H1
200	HEN6D	1	06-JUL-2005	15:49:43	5187019	A5F300251	H1
201	HEN6F	1	06-JUL-2005	15:50:54	5187019	A5F300251	H1
202	HEN6G	1	06-JUL-2005	15:52:12	5187019	A5F300251	H1
203	HEN6P	1	06-JUL-2005	15:53:53	5187019	A5F300251	H1
204	HEN6W	1	06-JUL-2005	15:56:54	5187019	A5F300251	H1
205	HEN7D	1	06-JUL-2005	15:58:01	5187019	A5F300251	H1
206	HEN7F	1	06-JUL-2005	15:59:10	5187019	A5F300251	H1
207	HEN7H	1	06-JUL-2005	16:00:25	5187019	A5F300251	H1
208	HEN7K	1	06-JUL-2005	16:01:45	5187019	A5F300251	H1
209	CK2CCV	1	06-JUL-2005	16:02:56			H1
210	CK1CCB	1	06-JUL-2005	16:04:01			H1
211	HEN7M	1	06-JUL-2005	16:05:19	5187019	A5F300251	H1
212	HEN7P	1	06-JUL-2005	16:06:36	5187019	A5F300251	H1
213	HEPDT	1	06-JUL-2005	16:07:43	5187019	A5F300251	H1
214	HENGH	1	06-JUL-2005	16:08:52	5187019	A5F300152	H1
215	HEG87	2000	06-JUL-2005	16:10:04	5182034	A5F280159	H1
216	HEHAC	2000	06-JUL-2005	16:11:12	5182034	A5F280159	H1
217	HEG9X	500	06-JUL-2005	16:12:21	5182034	A5F280159	H1
218	CRA\MRL	1	06-JUL-2005	16:13:27			H1
219	CK2CCV	1	06-JUL-2005	16:14:54			H1
220	CK1CCB	1	06-JUL-2005	16:16:01			H1

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:       Instrument Upload                                    Run Log - Page  6 :
:       Started Thu Jul  7 06:24:38 2005 by LISTM                              :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG10706A.PRN;1                       :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
221	CK2CCV	1	06-JUL-2005	16:21:56			H1
222	CK1CCB	1	06-JUL-2005	16:23:15			H1
223	HEHAN	100	06-JUL-2005	16:24:30	5182034	A5F280159	H1
224	HEG9X	20	06-JUL-2005	16:26:00	5182034	A5F280159	H1
225	CRA\MRL	1	06-JUL-2005	16:27:28			H1
226	CK2CCV	1	06-JUL-2005	16:29:24			H1
227	CK1CCB	1	06-JUL-2005	16:30:33			H1
228	CK2CCV	1	06-JUL-2005	16:33:37			H1
229	CK1CCB	1	06-JUL-2005	16:34:57			H1
230	HEHAN	10	06-JUL-2005	16:36:28	5182034	A5F280159	H1
231	HEG9X	40	06-JUL-2005	16:37:43	5182034	A5F280159	H1
232	CRA\MRL	1	06-JUL-2005	16:39:25			H1
233	CK2CCV	1	06-JUL-2005	16:41:26			H1
234	CK1CCB	1	06-JUL-2005	16:42:33			H1

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:       Instrument Upload                                    Run Log - Page  1 :
:       Started Wed Jul 13 12:25:28 2005 by OMEARAP                            :
:       Data File: UPL$CAN_DATA_ROOT:<TJA>I50712A.ARC;1                        :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1	1	12-JUL-2005	11:46:00			I5
2	CALSTD	1	12-JUL-2005	11:51:00			I5
3	CAL	1	12-JUL-2005	11:56:00			I5
4	ICV	1	12-JUL-2005	12:00:00			I5
5	ICB	1	12-JUL-2005	12:07:00			I5
6	CRI\MRL	1	12-JUL-2005	12:12:00			I5
7	ICSA	1	12-JUL-2005	12:19:00			I5
8	ICSAB	1	12-JUL-2005	12:24:00			I5
9	CCV	1	12-JUL-2005	12:30:00			I5
10	CCB	1	12-JUL-2005	12:37:00			I5
11	HE01DB	1	12-JUL-2005	12:56:00	5188014	A5G070000	I5
12	HE01DC	1	12-JUL-2005	13:01:00	5188014	A5G070000	I5
13	HE0FM	1	12-JUL-2005	13:07:00	5188014	A5G060283	I5
14	HEQ4D	1	12-JUL-2005	13:12:00	5188014	A5G010137	I5
15	HEQ4K	1	12-JUL-2005	13:17:00	5188014	A5G010137	I5
16	HEQ4Q	1	12-JUL-2005	13:22:00	5188014	A5G010137	I5
17	HEQ4T	1	12-JUL-2005	13:27:00	5188014	A5G010137	I5
18	HEQ4X	1	12-JUL-2005	13:31:00	5188014	A5G010137	I5
19	HEQ41	1	12-JUL-2005	13:36:00	5188014	A5G010137	I5
20	HEQ45	1	12-JUL-2005	13:41:00	5188014	A5G010137	I5
21	CCV	1	12-JUL-2005	13:48:00			I5
22	CCB	1	12-JUL-2005	13:56:00			I5
23	HEX79	1	12-JUL-2005	14:00:00	5188014	A5G060255	I5
24	HEX19	1	12-JUL-2005	14:05:00	5188014	A5G060207	I5
25	HE0HJ	1	12-JUL-2005	14:10:00	5188014	A5G060290	I5
26	HEXEE	1	12-JUL-2005	14:16:00	5188014	A5G060137	I5
27	HEXEES	1	12-JUL-2005	14:20:00	5188014	A5G060137	I5
28	HEXEED	1	12-JUL-2005	14:25:00	5188014	A5G060137	I5
29	HEXEG	1	12-JUL-2005	14:32:00	5188014	A5G060137	I5
30	HEXEH	1	12-JUL-2005	14:36:00	5188014	A5G060137	I5
31	HEXEJ	1	12-JUL-2005	14:41:00	5188014	A5G060137	I5
32	HEXEL	1	12-JUL-2005	14:46:00	5188014	A5G060137	I5
33	CCV	1	12-JUL-2005	14:53:00			I5
34	CCB	1	12-JUL-2005	15:01:00			I5
35	HEXEN	1	12-JUL-2005	15:05:00	5188014	A5G060137	I5
36	HEXEP	1	12-JUL-2005	15:10:00	5188014	A5G060137	I5
37	HEXER	1	12-JUL-2005	15:15:00	5188014	A5G060137	I5
38	HEXET	1	12-JUL-2005	15:20:00	5188014	A5G060137	I5
39	HEXETL	1	12-JUL-2005	15:25:00			I5
40	HEW2XB	1	12-JUL-2005	15:32:00	5187021	A5G060000	I5
41	HEW2XC	1	12-JUL-2005	15:36:00	5187021	A5G060000	I5
42	HEKLM	1	12-JUL-2005	16:30:00	5187021	A5F290129	I5
43	HEKLML	1	12-JUL-2005	16:35:00			I5
44	HEKMF	1	12-JUL-2005	16:40:00	5187021	A5F290129	I5

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	CCV	1	12-JUL-2005	16:46:00			I5
46	CCB	1	12-JUL-2005	16:53:00			I5
47	HEKMH	1	12-JUL-2005	16:58:00	5187021	A5F290129	I5
48	HEKMJ	1	12-JUL-2005	17:03:00	5187021	A5F290129	I5
49	ZZZZZ	1	12-JUL-2005	17:15:00			I5
50	ZZZZZ	1	12-JUL-2005	17:23:00			I5
51	CCV	1	12-JUL-2005	17:32:00			I5
52	CCB	1	12-JUL-2005	17:39:00			I5
53	HEXEN	1	12-JUL-2005	17:44:00	5188014	A5G060137	I5
54	HEXEP	1	12-JUL-2005	17:49:00	5188014	A5G060137	I5
55	HEXER	1	12-JUL-2005	17:54:00	5188014	A5G060137	I5
56	HEXET	1	12-JUL-2005	17:59:00	5188014	A5G060137	I5
57	HEXETL	1	12-JUL-2005	18:04:00			I5
58	HEW2XB	1	12-JUL-2005	18:10:00	5187021	A5G060000	I5
59	HEW2XC	1	12-JUL-2005	18:15:00	5187021	A5G060000	I5
60	HEKLM	1	12-JUL-2005	18:21:00	5187021	A5F290129	I5
61	HEKLML	1	12-JUL-2005	18:26:00			I5
62	HEKMF	1	12-JUL-2005	18:31:00	5187021	A5F290129	I5
63	CCV	1	12-JUL-2005	18:38:00			I5
64	CCB	1	12-JUL-2005	18:45:00			I5
65	HEKMH	1	12-JUL-2005	18:50:00	5187021	A5F290129	I5
66	HEKMJ	1	12-JUL-2005	18:55:00	5187021	A5F290129	I5
67	HEKMK	1	12-JUL-2005	18:59:00	5187021	A5F290129	I5
68	HEKMM	1	12-JUL-2005	19:04:00	5187021	A5F290129	I5
69	HEKMP	1	12-JUL-2005	19:09:00	5187021	A5F290129	I5
70	HEL4R	1	12-JUL-2005	19:14:00	5187021	A5F290298	I5
71	HEL5W	1	12-JUL-2005	19:19:00	5187021	A5F290298	I5
72	HEL50	1	12-JUL-2005	19:24:00	5187021	A5F290298	I5
73	HEL52	1	12-JUL-2005	19:28:00	5187021	A5F290298	I5
74	HEL55	1	12-JUL-2005	19:33:00	5187021	A5F290298	I5
75	CCV	1	12-JUL-2005	19:40:00			I5
76	CCB	1	12-JUL-2005	19:47:00			I5
77	HEL57	1	12-JUL-2005	19:52:00	5187021	A5F290298	I5
78	HEL6A	1	12-JUL-2005	19:57:00	5187021	A5F290298	I5
79	HEL6H	1	12-JUL-2005	20:02:00	5187021	A5F290298	I5
80	HEL6N	1	12-JUL-2005	20:06:00	5187021	A5F290298	I5
81	HEL6Q	1	12-JUL-2005	20:11:00	5187021	A5F290298	I5
82	HEL63	1	12-JUL-2005	20:16:00	5187021	A5F290298	I5
83	HEQ0G	1	12-JUL-2005	20:21:00	5187021	A5G010122	I5
84	HEQ0GS	1	12-JUL-2005	20:26:00	5187021	A5G010122	I5
85	HEQ0GD	1	12-JUL-2005	20:31:00	5187021	A5G010122	I5
86	CCV	1	12-JUL-2005	20:40:00			I5
87	CCB	1	12-JUL-2005	20:47:00			I5
88	HEVRHB	1	12-JUL-2005	21:53:00	5186016	A5G050000	I5

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	HEVRHC	1	12-JUL-2005	21:58:00	5186016	A5G050000	I5
90	HEHNGF	1	12-JUL-2005	22:04:00	5186016	A5F280210	I5
91	HEHNVF	1	12-JUL-2005	22:09:00	5186016	A5F280210	I5
92	HEHN0F	1	12-JUL-2005	22:13:00	5186016	A5F280210	I5
93	HEHN1F	1	12-JUL-2005	22:18:00	5186016	A5F280210	I5
94	HEHN2F	1	12-JUL-2005	22:23:00	5186016	A5F280210	I5
95	HEHN9F	1	12-JUL-2005	22:28:00	5186016	A5F280210	I5
96	HEHN9FS	1	12-JUL-2005	22:33:00	5186016	A5F280210	I5
97	HEHN9FD	1	12-JUL-2005	22:38:00	5186016	A5F280210	I5
98	CCV	1	12-JUL-2005	22:45:00			I5
99	CCB	1	12-JUL-2005	22:53:00			I5
100	HEHPAF	1	12-JUL-2005	22:58:00	5186016	A5F280210	I5
101	HEHPHF	1	12-JUL-2005	23:02:00	5186016	A5F280210	I5
102	HEHPLF	1	12-JUL-2005	23:07:00	5186016	A5F280210	I5
103	HEHPPF	1	12-JUL-2005	23:12:00	5186016	A5F280210	I5
104	HEHPTF	1	12-JUL-2005	23:17:00	5186016	A5F280210	I5
105	HEHQVF	1	12-JUL-2005	23:22:00	5186016	A5F280210	I5
106	HEHQXF	1	12-JUL-2005	23:27:00	5186016	A5F280210	I5
107	HEHQ4	1	12-JUL-2005	23:32:00	5186016	A5F280210	I5
108	HEHQ4F	1	12-JUL-2005	23:36:00	5186016	A5F280210	I5
109	HEHQ8	1	12-JUL-2005	23:41:00	5186016	A5F280210	I5
110	CCV	1	12-JUL-2005	23:49:00			I5
111	CCB	1	12-JUL-2005	23:56:00			I5
112	HEHQ8F	1	13-JUL-2005	00:01:00	5186016	A5F280210	I5
113	HEHQ9	1	13-JUL-2005	00:06:00	5186016	A5F280210	I5
114	HEHQ9F	1	13-JUL-2005	00:11:00	5186016	A5F280210	I5
115	HET8A	1	13-JUL-2005	00:16:00	5186016	A5G020157	I5
116	HET8AL	1	13-JUL-2005	00:21:00			I5
117	HEXRGBT	1	13-JUL-2005	00:28:00	5189042	A5G060000	I5
118	HE3A7BT	1	13-JUL-2005	00:33:00	5189042	A5G080000	I5
119	HE3A7CT	1	13-JUL-2005	00:38:00	5189042	A5G080000	I5
120	HEJDMT	1	13-JUL-2005	00:44:00	5189042	5F28289	I5
121	HEJDMTL	1	13-JUL-2005	00:49:00			I5
122	CCV	1	13-JUL-2005	00:56:00			I5
123	CCB	1	13-JUL-2005	01:04:00			I5
124	HEJDMTS	5	13-JUL-2005	01:09:00	5189042	5F28289	I5
125	HEJDMTD	5	13-JUL-2005	01:14:00	5189042	5F28289	I5
126	HEKPQT	1	13-JUL-2005	01:20:00	5189042	5F29134	I5
127	HEKP5T	1	13-JUL-2005	01:25:00	5189042	5F29134	I5
128	HEL6TT	1	13-JUL-2005	01:30:00	5189042	A5F290312	I5
129	HEKQPT	1	13-JUL-2005	01:34:00	5189042	5F28289	I5
130	HERQPT	1	13-JUL-2005	01:39:00	5189042	A5G010219	I5
131	HERQRT	1	13-JUL-2005	01:44:00	5189042	A5G010219	I5
132	HERQVT	1	13-JUL-2005	01:49:00	5189042	A5G010219	I5

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
133	HERQWT	1	13-JUL-2005	01:54:00	5189042	A5G010219	I5
134	CCV	1	13-JUL-2005	02:01:00			I5
135	CCB	1	13-JUL-2005	02:09:00			I5
136	HERQXT	1	13-JUL-2005	02:14:00	5189042	A5G010219	I5
137	HEN6XT	1	13-JUL-2005	02:19:00	5189042	A5F300256	I5
138	HEN7AT	1	13-JUL-2005	02:23:00	5189042	A5F300256	I5
139	HEN7ET	1	13-JUL-2005	02:28:00	5189042	A5F300256	I5
140	HEN7JT	1	13-JUL-2005	02:33:00	5189042	A5F300256	I5
141	HERA9T	1	13-JUL-2005	02:38:00	5189042	5F28289	I5
142	HER44T	1	13-JUL-2005	02:43:00	5189042	A5G010266	I5
143	HER5ET	1	13-JUL-2005	02:48:00	5189042	A5G010268	I5
144	HE012B	1	13-JUL-2005	02:56:00	5188027	A5G070000	I5
145	HE012C	1	13-JUL-2005	03:01:00	5188027	A5G070000	I5
146	CCV	1	13-JUL-2005	03:08:00			I5
147	CCB	1	13-JUL-2005	03:15:00			I5
148	HEKNK	1	13-JUL-2005	03:20:00	5188027	5F29141	I5
149	HEKNK	5	13-JUL-2005	03:25:00	5188027	5F29141	I5
150	HEKN3	1	13-JUL-2005	03:30:00	5188027	5F29141	I5
151	HEKN3	5	13-JUL-2005	03:35:00	5188027	5F29141	I5
152	HEKN6	1	13-JUL-2005	03:39:00	5188027	5F29141	I5
153	HEKN6	5	13-JUL-2005	03:44:00	5188027	5F29141	I5
154	HEKN6S	5	13-JUL-2005	03:49:00	5188027	5F29141	I5
155	HEKN6D	5	13-JUL-2005	03:54:00	5188027	5F29141	I5
156	HEKPG	1	13-JUL-2005	04:00:00	5188027	5F29141	I5
157	HEKPG	5	13-JUL-2005	04:05:00	5188027	5F29141	I5
158	CCV	1	13-JUL-2005	04:13:00			I5
159	CCB	1	13-JUL-2005	04:21:00			I5
160	HEKPM	1	13-JUL-2005	04:26:00	5188027	5F29141	I5
161	HEKPM	5	13-JUL-2005	04:31:00	5188027	5F29141	I5
162	HEKPT	1	13-JUL-2005	04:35:00	5188027	5F29141	I5
163	HEKPT	5	13-JUL-2005	04:40:00	5188027	5F29141	I5
164	HEM6A	1	13-JUL-2005	04:45:00	5188027	5F29141	I5
165	HEM6A	5	13-JUL-2005	04:50:00	5188027	5F29141	I5
166	HEM6H	1	13-JUL-2005	04:55:00	5188027	5F29141	I5
167	HEM6H	5	13-JUL-2005	05:00:00	5188027	5F29141	I5
168	HEM6HS	5	13-JUL-2005	05:04:00	5188027	5F29141	I5
169	HEM6HD	5	13-JUL-2005	05:09:00	5188027	5F29141	I5
170	CCV	1	13-JUL-2005	05:18:00			I5
171	CCB	1	13-JUL-2005	05:25:00			I5
172	HEM6J	1	13-JUL-2005	05:30:00	5188027	5F29141	I5
173	HEM6J	5	13-JUL-2005	05:35:00	5188027	5F29141	I5
174	HEM6L	1	13-JUL-2005	05:40:00	5188027	5F29141	I5
175	HEM6L	5	13-JUL-2005	05:45:00	5188027	5F29141	I5
176	HEM6LS	5	13-JUL-2005	05:49:00	5188027	5F29141	I5

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
177	HEM6LD	5	13-JUL-2005	05:54:00	5188027	5F29141	I5
178	HEM6M	1	13-JUL-2005	06:00:00	5188027	5F29141	I5
179	HEM6M	5	13-JUL-2005	06:05:00	5188027	5F29141	I5
180	HEM6P	1	13-JUL-2005	06:10:00	5188027	5F29141	I5
181	HEM6P	5	13-JUL-2005	06:15:00	5188027	5F29141	I5
182	CCV	1	13-JUL-2005	06:23:00			I5
183	CCB	1	13-JUL-2005	06:31:00			I5
184	HEM6R	1	13-JUL-2005	06:36:00	5188027	5F29141	I5
185	HEM6R	5	13-JUL-2005	06:41:00	5188027	5F29141	I5
186	HEM6T	1	13-JUL-2005	06:45:00	5188027	5F29141	I5
187	HEM6T	5	13-JUL-2005	06:50:00	5188027	5F29141	I5
188	HEM6W	1	13-JUL-2005	06:55:00	5188027	5F29141	I5
189	HEM6W	5	13-JUL-2005	07:00:00	5188027	5F29141	I5
190	HEM6X	1	13-JUL-2005	07:05:00	5188027	5F29141	I5
191	HEM6X	5	13-JUL-2005	07:10:00	5188027	5F29141	I5
192	HEM60	1	13-JUL-2005	07:14:00	5188027	5F29141	I5
193	HEM60	5	13-JUL-2005	07:19:00	5188027	5F29141	I5
194	CCV	1	13-JUL-2005	07:28:00			I5
195	CCB	1	13-JUL-2005	07:35:00			I5
196	HEM61	1	13-JUL-2005	07:40:00	5188027	5F29141	I5
197	HEM61	5	13-JUL-2005	07:45:00	5188027	5F29141	I5
198	HEM61L	5	13-JUL-2005	07:50:00			I5
199	HEM61L	25	13-JUL-2005	07:55:00			I5
200	HEKN6	100	13-JUL-2005	07:59:00	5188027	5F29141	I5
201	HEKN6A	100	13-JUL-2005	08:04:00	5188027	5F29141	I5
202	HEM6H	100	13-JUL-2005	08:09:00	5188027	5F29141	I5
203	HEM6HA	100	13-JUL-2005	08:14:00	5188027	5F29141	I5
204	HEM6L	100	13-JUL-2005	08:19:00	5188027	5F29141	I5
205	HEM6LA	100	13-JUL-2005	08:24:00	5188027	5F29141	I5
206	CCV	1	13-JUL-2005	08:31:00			I5
207	CCB	1	13-JUL-2005	08:42:00			I5
208	CRI\MRL	1	13-JUL-2005	08:47:00			I5
209	CCV	1	13-JUL-2005	08:53:00			I5
210	CCB	1	13-JUL-2005	09:01:00			I5
211	CCV	1	13-JUL-2005	10:30:00			I5
212	CCB	1	13-JUL-2005	10:37:00			I5
213	HEJDMT	5	13-JUL-2005	10:43:00			I5
214	HEJDMTL	25	13-JUL-2005	10:48:00			I5
215	HERQRT	5	13-JUL-2005	10:53:00			I5
216	HERQVT	20	13-JUL-2005	11:05:00			I5
217	HERQXT	20	13-JUL-2005	11:11:00			I5
218	CCV	1	13-JUL-2005	11:18:00			I5
219	CCB	1	13-JUL-2005	11:25:00			I5
220	ZZZZZ	1	13-JUL-2005	11:30:00	5186016	A5F280210	I5

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
221	CCV	1	13-JUL-2005	12:01:00			I5
222	CCB	1	13-JUL-2005	12:08:00			I5
223	HE3CGB	1	13-JUL-2005	12:13:00	5189050	A5G080000	I5
224	HE3CGC	1	13-JUL-2005	12:18:00	5189050	A5G080000	I5
225	HEPTW	1	13-JUL-2005	12:24:00	5189050	A5F300334	I5
226	HEPTWS	1	13-JUL-2005	12:29:00	5189050	A5F300334	I5
227	HEPTWD	1	13-JUL-2005	12:34:00	5189050	A5F300334	I5
228	HEPVE	1	13-JUL-2005	12:40:00	5189050	A5F300334	I5
229	HEPVF	1	13-JUL-2005	12:45:00	5189050	A5F300334	I5
230	HEPVG	1	13-JUL-2005	12:50:00	5189050	A5F300334	I5
231	HEPVH	1	13-JUL-2005	12:55:00	5189050	A5F300334	I5
232	HEPVJ	1	13-JUL-2005	12:59:00	5189050	A5F300334	I5
233	CCV	1	13-JUL-2005	13:06:00			I5
234	CCB	1	13-JUL-2005	13:13:00			I5
235	HEPVK	1	13-JUL-2005	13:18:00	5189050	A5F300334	I5
236	HEPVL	1	13-JUL-2005	13:23:00	5189050	A5F300334	I5
237	HEPVM	1	13-JUL-2005	13:28:00	5189050	A5F300334	I5
238	HEPVN	1	13-JUL-2005	13:33:00	5189050	A5F300334	I5
239	HEPVQ	1	13-JUL-2005	13:37:00	5189050	A5F300334	I5
240	HEPVR	1	13-JUL-2005	13:47:00	5189050	A5F300334	I5
241	HEPVT	1	13-JUL-2005	13:59:00	5189050	A5F300334	I5
242	HEPVV	1	13-JUL-2005	14:48:00	5189050	A5F300334	I5
243	HEPVVL	1	13-JUL-2005	15:00:00			I5
244	CCV	1	13-JUL-2005	15:17:00			I5
245	CCB	1	13-JUL-2005	15:24:00			I5
246	HE87XB	1	13-JUL-2005	15:29:00	5193037	A5G120000	I5
247	CCV	1	13-JUL-2005	15:34:00			I5
248	CCB	1	13-JUL-2005	15:41:00			I5
249	HE87XC	1	13-JUL-2005	15:46:00	5193037	A5G120000	I5
250	HE7T6	1	13-JUL-2005	15:52:00	5193037	A5G110116	I5
251	HE7VD	1	13-JUL-2005	15:57:00	5193037	A5G110116	I5
252	HE7VE	1	13-JUL-2005	16:01:00	5193037	A5G110116	I5
253	HE7VG	1	13-JUL-2005	16:06:00	5193037	A5G110116	I5
254	HE7VH	1	13-JUL-2005	16:11:00	5193037	A5G110116	I5
255	HE7VL	1	13-JUL-2005	16:16:00	5193037	A5G110116	I5
256	HE7VN	1	13-JUL-2005	16:21:00	5193037	A5G110116	I5
257	HE7VQ	1	13-JUL-2005	16:26:00	5193037	A5G110116	I5
258	HE7VR	1	13-JUL-2005	16:30:00	5193037	A5G110116	I5
259	CCV	1	13-JUL-2005	16:37:00			I5
260	CCB	1	13-JUL-2005	16:44:00			I5
261	HE7VT	1	13-JUL-2005	16:49:00	5193037	A5G110116	I5
262	HE7VV	1	13-JUL-2005	16:54:00	5193037	A5G110116	I5
263	HE7VX	1	13-JUL-2005	16:59:00	5193037	A5G110116	I5
264	HE7V0	1	13-JUL-2005	17:04:00	5193037	A5G110116	I5

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
265	HE7V2	1	13-JUL-2005	17:08:00	5193037	A5G110116	I5
266	HE7V2S	1	13-JUL-2005	17:13:00	5193037	A5G110116	I5
267	HE7V2D	1	13-JUL-2005	17:18:00	5193037	A5G110116	I5
268	HE7V7	1	13-JUL-2005	17:24:00	5193037	A5G110116	I5
269	HE7V7L	1	13-JUL-2005	17:29:00			I5
270	HE88KB	1	13-JUL-2005	17:36:00	5193045	A5G120000	I5
271	CCV	1	13-JUL-2005	17:41:00			I5
272	CCB	1	13-JUL-2005	17:48:00			I5
273	HE88KC	1	13-JUL-2005	17:53:00	5193045	A5G120000	I5
274	HE704	1	13-JUL-2005	18:00:00	5193045	A5G110121	I5
275	HE704S	1	13-JUL-2005	18:04:00	5193045	A5G110121	I5
276	HE704D	1	13-JUL-2005	18:09:00	5193045	A5G110121	I5
277	HE705	1	13-JUL-2005	18:15:00	5193045	A5G110121	I5
278	HE708	1	13-JUL-2005	18:20:00	5193045	A5G110121	I5
279	HE71A	1	13-JUL-2005	18:25:00	5193045	A5G110121	I5
280	HE71C	1	13-JUL-2005	18:30:00	5193045	A5G110121	I5
281	HE71D	1	13-JUL-2005	18:35:00	5193045	A5G110121	I5
282	HE71E	1	13-JUL-2005	18:40:00	5193045	A5G110121	I5
283	CCV	1	13-JUL-2005	18:46:00			I5
284	CCB	1	13-JUL-2005	18:54:00			I5
285	HE71G	1	13-JUL-2005	18:59:00	5193045	A5G110121	I5
286	HE71H	1	13-JUL-2005	19:04:00	5193045	A5G110121	I5
287	HE71K	1	13-JUL-2005	19:09:00	5193045	A5G110121	I5
288	HE71Q	1	13-JUL-2005	19:13:00	5193045	A5G110121	I5
289	HE71T	1	13-JUL-2005	19:18:00	5193045	A5G110121	I5
290	HE71V	1	13-JUL-2005	19:23:00	5193045	A5G110121	I5
291	HE71X	1	13-JUL-2005	19:28:00	5193045	A5G110121	I5
292	HE710	1	13-JUL-2005	19:33:00	5193045	A5G110121	I5
293	HE711	1	13-JUL-2005	19:38:00	5193045	A5G110121	I5
294	HE713	1	13-JUL-2005	19:42:00	5193045	A5G110121	I5
295	CCV	1	13-JUL-2005	19:49:00			I5
296	CCB	1	13-JUL-2005	19:56:00			I5
297	HE716	1	13-JUL-2005	20:01:00	5193045	A5G110121	I5
298	HE718	1	13-JUL-2005	20:06:00	5193045	A5G110121	I5
299	HE72A	1	13-JUL-2005	20:11:00	5193045	A5G110121	I5
300	HE72AL	1	13-JUL-2005	20:16:00			I5
301	HE88VB	1	13-JUL-2005	20:23:00	5193050	A5G120000	I5
302	HE88VC	1	13-JUL-2005	20:27:00	5193050	A5G120000	I5
303	HE7X8	1	13-JUL-2005	20:34:00	5193050	A5G110121	I5
304	HE7X8S	1	13-JUL-2005	20:38:00	5193050	A5G110121	I5
305	HE7X8D	1	13-JUL-2005	20:43:00	5193050	A5G110121	I5
306	HE70A	1	13-JUL-2005	20:49:00	5193050	A5G110121	I5
307	CCV	1	13-JUL-2005	20:56:00			I5
308	CCB	1	13-JUL-2005	21:03:00			I5

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
309	HE70C	1	13-JUL-2005	21:08:00	5193050	A5G110121	I5
310	HE70D	1	13-JUL-2005	21:13:00	5193050	A5G110121	I5
311	HE70E	1	13-JUL-2005	21:18:00	5193050	A5G110121	I5
312	HE70F	1	13-JUL-2005	21:23:00	5193050	A5G110121	I5
313	HE70G	1	13-JUL-2005	21:28:00	5193050	A5G110121	I5
314	HE70J	1	13-JUL-2005	21:32:00	5193050	A5G110121	I5
315	HE70K	1	13-JUL-2005	21:37:00	5193050	A5G110121	I5
316	HE70L	1	13-JUL-2005	21:42:00	5193050	A5G110121	I5
317	HE70N	1	13-JUL-2005	21:47:00	5193050	A5G110121	I5
318	HE70P	1	13-JUL-2005	21:52:00	5193050	A5G110121	I5
319	CCV	1	13-JUL-2005	21:59:00			I5
320	CCB	1	13-JUL-2005	22:06:00			I5
321	HE70T	1	13-JUL-2005	22:10:00	5193050	A5G110121	I5
322	HE70V	1	13-JUL-2005	22:15:00	5193050	A5G110121	I5
323	HE70W	1	13-JUL-2005	22:20:00	5193050	A5G110121	I5
324	HE70X	1	13-JUL-2005	22:25:00	5193050	A5G110121	I5
325	HE700	1	13-JUL-2005	22:30:00	5193050	A5G110121	I5
326	HE701	1	13-JUL-2005	22:35:00	5193050	A5G110121	I5
327	HE702	1	13-JUL-2005	22:40:00	5193050	A5G110121	I5
328	HE703	1	13-JUL-2005	22:44:00	5193050	A5G110121	I5
329	HE703L	1	13-JUL-2005	22:49:00			I5
330	CCV	1	13-JUL-2005	22:56:00			I5
331	CCB	1	13-JUL-2005	23:03:00			I5
332	CCV	1	13-JUL-2005	23:17:00			I5
333	CCB	1	13-JUL-2005	23:24:00			I5
334	HEW2RB	1	14-JUL-2005	01:04:00	5187019	A5G060000	I5
335	HEW2RC	1	14-JUL-2005	01:08:00	5187019	A5G060000	I5
336	HEN50	1	14-JUL-2005	01:15:00	5187019	A5F300251	I5
337	HEN50S	1	14-JUL-2005	01:19:00	5187019	A5F300251	I5
338	HEN50D	1	14-JUL-2005	01:24:00	5187019	A5F300251	I5
339	HEN59	1	14-JUL-2005	01:30:00	5187019	A5F300251	I5
340	HEN6D	1	14-JUL-2005	01:35:00	5187019	A5F300251	I5
341	HEN6F	1	14-JUL-2005	01:40:00	5187019	A5F300251	I5
342	HEN6G	1	14-JUL-2005	01:45:00	5187019	A5F300251	I5
343	HEN6P	1	14-JUL-2005	01:50:00	5187019	A5F300251	I5
344	CCV	1	14-JUL-2005	01:57:00			I5
345	CCB	1	14-JUL-2005	02:05:00			I5
346	HEN6W	1	14-JUL-2005	02:10:00	5187019	A5F300251	I5
347	HEN61	1	14-JUL-2005	02:15:00	5187019	A5F300251	I5
348	HEN65	1	14-JUL-2005	02:19:00	5187019	A5F300251	I5
349	HEN68	1	14-JUL-2005	02:24:00	5187019	A5F300251	I5
350	HEN7D	1	14-JUL-2005	02:29:00	5187019	A5F300251	I5
351	HEN7F	1	14-JUL-2005	02:34:00	5187019	A5F300251	I5
352	HEN7H	1	14-JUL-2005	02:39:00	5187019	A5F300251	I5

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
353	HEN7K	1	14-JUL-2005	02:44:00	5187019	A5F300251	I5
354	HEN7M	1	14-JUL-2005	02:48:00	5187019	A5F300251	I5
355	HEN7P	1	14-JUL-2005	02:53:00	5187019	A5F300251	I5
356	CCV	1	14-JUL-2005	03:01:00			I5
357	CCB	1	14-JUL-2005	03:08:00			I5
358	HEPDT	1	14-JUL-2005	03:13:00	5187019	A5F300251	I5
359	HDJ92	1	14-JUL-2005	03:18:00	5187019	A5F140188	I5
360	HDJ94F	1	14-JUL-2005	03:23:00	5187019	A5F140188	I5
361	HENGH	1	14-JUL-2005	03:28:00	5187019	A5F300152	I5
362	HENGHL	1	14-JUL-2005	03:33:00			I5
363	HEW2VB	1	14-JUL-2005	03:41:00	5187020	A5G060000	I5
364	HEW2VC	1	14-JUL-2005	03:46:00	5187020	A5G060000	I5
365	HENVL	1	14-JUL-2005	03:51:00	5187020	A5F300196	I5
366	HENVLS	1	14-JUL-2005	03:55:00	5187020	A5F300196	I5
367	HENVLD	1	14-JUL-2005	04:00:00	5187020	A5F300196	I5
368	CCV	1	14-JUL-2005	04:08:00			I5
369	CCB	1	14-JUL-2005	04:15:00			I5
370	HENV8	1	14-JUL-2005	04:20:00	5187020	A5F300196	I5
371	HENV9	1	14-JUL-2005	04:25:00	5187020	A5F300196	I5
372	HENWF	1	14-JUL-2005	04:30:00	5187020	A5F300196	I5
373	HENWG	1	14-JUL-2005	04:35:00	5187020	A5F300196	I5
374	HENWH	1	14-JUL-2005	04:40:00	5187020	A5F300196	I5
375	HENWJ	1	14-JUL-2005	04:44:00	5187020	A5F300196	I5
376	HENWL	20	14-JUL-2005	04:49:00	5187020	A5F300196	I5
377	HENWQ	1	14-JUL-2005	04:54:00	5187020	A5F300196	I5
378	HEPCG	1	14-JUL-2005	04:59:00	5187020	A5F300275	I5
379	HEPC6	1	14-JUL-2005	05:04:00	5187020	A5F300275	I5
380	CCV	1	14-JUL-2005	05:11:00			I5
381	CCB	1	14-JUL-2005	05:19:00			I5
382	HEPC8	1	14-JUL-2005	05:24:00	5187020	A5F300275	I5
383	HEPDA	1	14-JUL-2005	05:29:00	5187020	A5F300275	I5
384	HEPDQ	1	14-JUL-2005	05:33:00	5187020	A5F300275	I5
385	HEPD2	1	14-JUL-2005	05:38:00	5187020	A5F300275	I5
386	HEPD6	1	14-JUL-2005	05:43:00	5187020	A5F300275	I5
387	HEPD8	1	14-JUL-2005	05:48:00	5187020	A5F300275	I5
388	HEPED	1	14-JUL-2005	05:53:00	5187020	A5F300275	I5
389	HEPEDL	1	14-JUL-2005	05:58:00			I5
390	HE88CB	1	14-JUL-2005	06:06:00	5193041	A5G120000	I5
391	HE88CC	1	14-JUL-2005	06:11:00	5193041	A5G120000	I5
392	CCV	1	14-JUL-2005	06:18:00			I5
393	CCB	1	14-JUL-2005	06:25:00			I5
394	HE72D	1	14-JUL-2005	06:30:00	5193041	A5G110121	I5
395	HE72F	1	14-JUL-2005	06:40:00	5193041	A5G110121	I5
396	CCV	1	14-JUL-2005	07:51:00			I5

(continued)

INSTRUMENT PRINTOUTS

STL North Canton Hg Data Review Checklist

Run/Project Information

Run Date: 7-6-05 Analyst: ML Instrument: H1

Prep Batches Run: See run log

Circle Methods used:

(7470A / 245.1 : CORP-MT-0005 Rev 1)		7471 / 245.1 : CORP-MT-0007 Rev 1	
CLP - AQ : CORP-MT-0006 Rev 0		(CLP - SOL : CORP-MT-0008 Rev 0)	
1631 : NC-MT-0001 Rev 1			

Review Items

A - Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL?	✓			✓
4. CRA run?	✓			✓
B - Sample Results				
1. Were samples with concentrations > high calibration standard diluted and reanalyzed?	✓			✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C - Preparation / Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D - Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and Transcription checked for error?	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Level I Analyst: Michaelyn Lisk Date: 7-6-05 9:48-11:00
Comments: Michaelyn Lisk 7-7-05 11:04-16:42

2nd Level Reviewer: Karen L Combs Date: 7-6-05 9:48-11:00
Patrick Clay 7-7-05 1104-1642

Curve Prepared Date: 7-5-05 Time: 11:15 am-1:15 pm

ICV HPS 505224 $SnCl_2$ SMR 461

CAL/CCV HPS 430805 NACL $NH_2OH·HCl$ SMR 462

Revised 05/15/2001

```
*** Standard: 1 Rep: 1              Seq:  0      09:48:53 06 Jul 2005 HG

Hg    .0000   ppb      9048

*** Standard: 2 Rep: 1              Seq:  1      09:50:59 06 Jul 2005 HG

Hg    .2000   ppb      27004

*** Standard: 3 Rep: 1              Seq:  2      09:52:08 06 Jul 2005 HG

Hg    .5000   ppb      51179

*** Standard: 4 Rep: 1              Seq:  3      09:53:15 06 Jul 2005 HG

Hg    1.000   ppb      101209

*** Standard: 5 Rep: 1              Seq:  4      09:54:45 06 Jul 2005 HG

Hg    5.000   ppb      415833

*** Standard: 6 Rep: 1              Seq:  5      09:55:54 06 Jul 2005 HG

Hg    10.00   ppb      823384
```

RunProt: HGPPB Hg analysis in the ppb range

RunFold: HG107066A Seq: 6 Batch:

Prnt: R/T On Pump: On

Rev: 4.2 09:56:02 06 Jul 2005 Xmit: Off Gas: 0.70 LPM

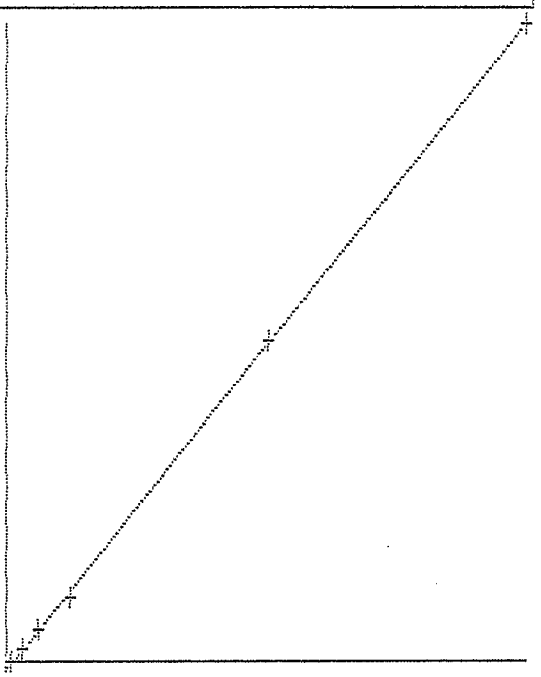
State: Idle User: SMI A/S: On

CALIBRATION: Line proto: HGPPB

	Hg Conc.	Calc.	Dev.	Accepted ->linear
S1	.0000	-.0398	-.0398	Quadratic
S2	.2000	.1824	-.0176	Wtdlinear
S3	.5000	.4805	-.0195	C
S4	1.000	1.097	.0974	Accept o
S5	5.000	4.977	-.0232	n
S6	10.00	10.00	.0028	c

A .00000000 r .999923

B 1.23303e-5 C -1.50557e-1



	Mean		
S1	9048	0 SD	9048
S2	27004	0 %RSD	27004
S3	51179	0 %RSD	51179
S4	101209	0 %RSD	101209
S5	415833	0 %RSD	415833
S6	823384	0 %RSD	823384

New cal coefficients stored

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICV Seq: 6 09:57:01 06 Jul 2005 HG
WATER
Hg 2.455 ppb 211297

*** Sample ID: ICB Seq: 7 09:58:17 06 Jul 2005 HG
WATER
Hg -.0349 ppb 9380

*** Sample ID: CRA\MRL Seq: 8 09:59:52 06 Jul 2005 HG
WATER
Hg .1761 ppb 26492

*** Sample ID: CCV Seq: 9 10:01:26 06 Jul 2005 HG
WATER
Hg 4.916 ppb 410884

*** Sample ID: CCB Seq: 10 10:02:32 06 Jul 2005 HG
WATER
Hg -.0526 ppb 7944

*** Sample ID: PBS2 Seq: 11 10:03:39 06 Jul 2005 HG
SDG 5E23283
Hg .0516 ppb 16399

*** Sample ID: LCSS2/5 Seq: 12 10:04:57 06 Jul 2005 HG
WATER
Hg 3.245 ppb 275422

*** Sample ID: HD87F Seq: 13 10:06:05 06 Jul 2005 HG
WATER
Hg 8.672 ppb 715517

*** Sample ID: HD87FD Seq: 14 10:07:13 06 Jul 2005 HG
WATER
Hg 7.661 ppb 633552

*** Sample ID: HD87FS Seq: 15 10:08:19 06 Jul 2005 HG
WATER
Hg 11.48 ppb 943262

*** Sample ID: CCV Seq: 16 10:09:27 06 Jul 2005 HG
WATER
Hg 4.754 ppb 397788

*** Sample ID: CCB Seq: 17 10:10:34 06 Jul 2005 HG
WATER
Hg -.1483 ppb 182

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HD87FS/2 Seq: 18 10:12:34 06 Jul 2005 HG
WATER
Hg (6.024) ppb 500769

*** Sample ID: CCV Seq: 19 10:13:41 06 Jul 2005 HG
WATER
Hg 4.876 ppb 407668

*** Sample ID: CCB Seq: 20 10:14:46 06 Jul 2005 HG
WATER
Hg -.0604 ppb 7310

*** Check Standard: 2 Ck2CCV Seq: 21 10:19:39 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.72	4.836	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 22 10:20:47 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0898	.2000	ppb	.0000 %

*** Sample ID: IDL 1 Seq: 23 10:22:02 06 Jul 2005 HG
WATER
Hg -.0264 ppb .0000 % -.0264

*** Sample ID: IDL 2 Seq: 24 10:23:10 06 Jul 2005 HG
WATER
Hg -.0686 ppb .0000 % -.0686

*** Sample ID: IDL 3 Seq: 25 10:25:35 06 Jul 2005 HG
WATER
Hg -.0901 ppb .0000 % -.0901

*** Sample ID: IDL 4 Seq: 26 10:26:51 06 Jul 2005 HG
WATER
Hg -.0575 ppb .0000 % -.0575

*** Sample ID: IDL 5 Seq: 27 10:27:59 06 Jul 2005 HG
WATER
Hg .0230 ppb .0000 % .0230

*** Sample ID: IDL 6 Seq: 28 10:29:08 06 Jul 2005 HG
WATER
Hg -.0340 ppb .0000 % -.0340

*** Sample ID: IDL 7 Seq: 29 10:30:25 06 Jul 2005 HG
WATER
Hg -.0227 ppb .0000 % -.0227

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEVR9B Seq: 30 10:31:52 06 Jul 2005 HG
5186028
Hg .0827 ppb .0000 % .0827

*** Sample ID: HEVR9C Seq: 31 10:32:59 06 Jul 2005 HG
WATER
Hg 4.956 ppb .0000 % 4.956

*** Sample ID: HD5V6 Seq: 32 10:34:15 06 Jul 2005 HG
WATER
Hg -.0144 ppb .0000 % -.0144

*** Check Standard: 2 Ck2CCV Seq: 33 10:35:19 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.15	4.757	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 34 10:36:25 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0529	.2000	ppb	.0000 %

*** Sample ID: HD5V6F Seq: 35 10:37:32 06 Jul 2005 HG
WATER
Hg .0754 ppb .0000 % .0754

*** Sample ID: HELR5 Seq: 36 10:38:38 06 Jul 2005 HG
WATER
Hg -.0484 ppb .0000 % -.0484

*** Sample ID: HELR5S Seq: 37 10:40:06 06 Jul 2005 HG
WATER
Hg .9772 ppb .0000 % .9772

*** Sample ID: HELR5D Seq: 38 10:41:12 06 Jul 2005 HG
WATER
Hg .9246 ppb .0000 % .9246

*** Sample ID: HELVD Seq: 39 10:43:41 06 Jul 2005 HG
WATER
Hg -.0274 ppb .0000 % -.0274

*** Sample ID: HELWE Seq: 40 10:44:48 06 Jul 2005 HG
WATER
Hg -.0080 ppb .0000 % -.0080

*** Sample ID: HEKNM Seq: 41 10:45:54 06 Jul 2005 HG
WATER
Hg .0354 ppb .0000 % .0354

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEKPJ Seq: 42 10:46:59 06 Jul 2005 HG
WATER
Hg -.0453 ppb .0000 % -.0453

*** Sample ID: HEKPW Seq: 43 10:48:27 06 Jul 2005 HG
WATER
Hg -.0069 ppb .0000 % -.0069

*** Sample ID: HENM1 Seq: 44 10:49:36 06 Jul 2005 HG
WATER
Hg -.0026 ppb .0000 % -.0026

*** Check Standard: 2 Ck2CCV Seq: 45 10:50:41 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.88	4.794	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 46 10:51:47 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0439	.2000	ppb	.0000 %

*** Sample ID: HENM2 Seq: 47 10:54:13 06 Jul 2005 HG
WATER
Hg .0010 ppb .0000 % .0010

*** Sample ID: HENML Seq: 48 10:55:59 06 Jul 2005 HG
WATER
Hg -.0100 ppb .0000 % -.0100

*** Sample ID: HETX6 Seq: 49 10:57:06 06 Jul 2005 HG
WATER
Hg .0228 ppb .0000 % .0228

*** Sample ID: HETXQ Seq: 50 10:58:13 06 Jul 2005 HG
WATER
Hg .0037 ppb .0000 % .0037

*** Check Standard: 2 Ck2CCV Seq: 51 10:59:28 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.78	4.739	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 52 11:00:33 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0646	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 53 11:04:53 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		89.83	4.492	5.000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 54 11:06:22 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0636	.2000	ppb	.0000 %

*** Sample ID: HEVRRB Seq: 55 11:07:28 06 Jul 2005 HG
5186020

Hg	-.0193	ppb	.0000 %	-.0193

*** Sample ID: HEVRRC Seq: 56 11:08:49 06 Jul 2005 HG
WATER

Hg	5.400	ppb	.0000 %	5.400

*** Sample ID: HEPH0 Seq: 57 11:09:55 06 Jul 2005 HG
WATER

Hg	-.0421	ppb	.0000 %	-.0421

*** Sample ID: HEPJE Seq: 58 11:11:16 06 Jul 2005 HG
WATER

Hg	-.0328	ppb	.0000 %	-.0328

*** Sample ID: HEPJH Seq: 59 11:12:23 06 Jul 2005 HG
WATER

Hg	-.0119	ppb	.0000 %	-.0119

*** Sample ID: HEPHP J Seq: 60 11:13:31 06 Jul 2005 HG
ML 7-7-05 WATER

Hg	.0664	ppb	.0000 %	.0664

*** Sample ID: HEG85 Seq: 61 11:14:38 06 Jul 2005 HG
WATER

Hg	1.571	ppb	.0000 %	1.571

*** Sample ID: HER1C Seq: 62 11:15:42 06 Jul 2005 HG
WATER

Hg	.0140	ppb	.0000 %	.0140

*** Sample ID: HER1J Seq: 63 11:16:49 06 Jul 2005 HG
WATER

Hg	-.0015	ppb	.0000 %	-.0015

*** Sample ID: HER1K Seq: 64 11:18:15 06 Jul 2005 HG
WATER

Hg	.0039	ppb	.0000 %	.0039

*** Check Standard: 2 Ck2CCV Seq: 65 11:19:25 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		92.39	4.619	5.000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 66 11:20:32 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0769	.2000	ppb	.0000 %

*** Sample ID: HERE5 Seq: 67 11:21:41 06 Jul 2005 HG

WATER

Hg	.0015	ppb	.0000 %	.0015

*** Sample ID: HERM7 Seq: 68 11:22:48 06 Jul 2005 HG

WATER

Hg	.0214	ppb	.0000 %	.0214

*** Sample ID: HEHC2 Seq: 69 11:23:56 06 Jul 2005 HG

WATER

Hg	-.0165	ppb	.0000 %	-.0165

*** Sample ID: HEJJ8 Seq: 70 11:25:12 06 Jul 2005 HG

WATER

Hg	-.0227	ppb	.0000 %	-.0227

*** Sample ID: HEJJ8S Seq: 71 11:26:38 06 Jul 2005 HG

WATER

Hg	1.038	ppb	.0000 %	1.038

*** Sample ID: HEJJ8D Seq: 72 11:28:04 06 Jul 2005 HG

WATER

Hg	1.007	ppb	.0000 %	1.007

*** Sample ID: HEJP2 Seq: 73 11:29:12 06 Jul 2005 HG

WATER

Hg	.0129	ppb	.0000 %	.0129

*** Sample ID: HEJV7 Seq: 74 11:30:19 06 Jul 2005 HG

WATER

Hg	.0072	ppb	.0000 %	.0072

*** Sample ID: HEJVT Seq: 75 11:31:34 06 Jul 2005 HG

WATER

Hg	.1074	ppb	.0000 %	.1074

*** Sample ID: HEP17 Seq: 76 11:32:50 06 Jul 2005 HG

WATER

Hg	-.0002	ppb	.0000 %	-.0002

*** Check Standard: 2 Ck2CCV Seq: 77 11:33:56 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		91.24	4.562	5.000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 78 11:36:05 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0549	.2000	ppb	.0000 %

*** Sample ID: HEP0C Seq: 79 11:37:11 06 Jul 2005 HG

WATER

Hg	.0104	ppb	.0000 %	.0104

*** Sample ID: HET1K Seq: 80 11:38:42 06 Jul 2005 HG

WATER

Hg	.0051	ppb	.0000 %	.0051

*** Sample ID: HET1L Seq: 81 11:39:51 06 Jul 2005 HG

WATER

Hg	-.0544	ppb	.0000 %	-.0544

*** Sample ID: HEVR1B Seq: 82 11:41:07 06 Jul 2005 HG

5186024

Hg	.0085	ppb	.0000 %	.0085

*** Sample ID: HEVR1C Seq: 83 11:42:18 06 Jul 2005 HG

WATER

Hg	5.009	ppb	.0000 %	5.009

*** Sample ID: HD812 Seq: 84 11:43:45 06 Jul 2005 HG

WATER

Hg	.0830	ppb	.0000 %	.0830

*** Sample ID: HD812F Seq: 85 11:45:07 06 Jul 2005 HG

WATER

Hg	-.0004	ppb	.0000 %	-.0004

*** Sample ID: HD819 Seq: 86 11:46:16 06 Jul 2005 HG

WATER

Hg	.0107	ppb	.0000 %	.0107

*** Sample ID: HD819F Seq: 87 11:47:45 06 Jul 2005 HG

WATER

Hg	.0278	ppb	.0000 %	.0278

*** Sample ID: HD81W Seq: 88 11:50:21 06 Jul 2005 HG

WATER

Hg	.0651	ppb	.0000 %	.0651

*** Check Standard: 2 Ck2CCV Seq: 89 11:51:27 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		90.12	4.506	5.000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 90 11:52:46 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0366	.2000	ppb	.0000 %

*** Sample ID: HD81WS Seq: 91 11:54:04 06 Jul 2005 HG

WATER

Hg	1.027	ppb	.0000 %	1.027

*** Sample ID: HD81WD Seq: 92 11:55:29 06 Jul 2005 HG

WATER

Hg	1.107	ppb	.0000 %	1.107

*** Sample ID: HD81WF Seq: 93 11:57:28 06 Jul 2005 HG

WATER

Hg	.0555	ppb	.0000 %	.0555

*** Sample ID: HD824 Seq: 94 11:58:35 06 Jul 2005 HG

WATER

Hg	.2142	ppb	.0000 %	.2142

*** Sample ID: HD824F Seq: 95 11:59:53 06 Jul 2005 HG

WATER

Hg	.0396	ppb	.0000 %	.0396

*** Sample ID: HD828 Seq: 96 12:01:09 06 Jul 2005 HG

WATER

Hg	-.0179	ppb	.0000 %	-.0179

*** Sample ID: HD828F Seq: 97 12:02:17 06 Jul 2005 HG

WATER

Hg	-.0018	ppb	.0000 %	-.0018

*** Sample ID: HD82F Seq: 98 12:03:36 06 Jul 2005 HG

WATER

Hg	.0539	ppb	.0000 %	.0539

*** Sample ID: HD82FF Seq: 99 12:04:47 06 Jul 2005 HG

WATER

Hg	.0211	ppb	.0000 %	.0211

*** Sample ID: HD82H Seq: 100 12:05:59 06 Jul 2005 HG

WATER

Hg	.0074	ppb	.0000 %	.0074

*** Check Standard: 2 Ck2CCV Seq: 101 12:07:06 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		89.67	4.484	5.000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 102 12:08:12 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0710	.2000	ppb	.0000 %

*** Sample ID: HD82HF Seq: 103 12:09:50 06 Jul 2005 HG

WATER

Hg		-.0223	ppb	.0000 %	-.0223

*** Sample ID: HD82Q Seq: 104 12:11:08 06 Jul 2005 HG

WATER

Hg		.1784	ppb	.0000 %	.1784

*** Sample ID: HD82QF Seq: 105 12:12:19 06 Jul 2005 HG

WATER

Hg		-.0227	ppb	.0000 %	-.0227

*** Sample ID: HD83L Seq: 106 12:13:27 06 Jul 2005 HG

WATER

Hg		-.0068	ppb	.0000 %	-.0068

*** Sample ID: HD83LF Seq: 107 12:14:52 06 Jul 2005 HG

WATER

Hg		.0193	ppb	.0000 %	.0193

*** Sample ID: HD83P Seq: 108 12:16:01 06 Jul 2005 HG

WATER

Hg		.1704	ppb	.0000 %	.1704

*** Sample ID: HD83PF Seq: 109 12:17:13 06 Jul 2005 HG

WATER

Hg		.0278	ppb	.0000 %	.0278

*** Sample ID: HEPCEBT Seq: 110 12:18:41 06 Jul 2005 HG

5186019

Hg		.1608	ppb	.0000 %	.1608

*** Sample ID: HEVRPBT Seq: 111 12:19:49 06 Jul 2005 HG

WATER

Hg		.0261	ppb	.0000 %	.0261

*** Sample ID: HEVRPCT Seq: 112 12:21:32 06 Jul 2005 HG

WATER

Hg		4.758	ppb	.0000 %	4.758

*** Check Standard: 2 Ck2CCV Seq: 113 12:22:39 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		87.10	4.355	5.000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1CCB Seq: 114 12:23:49 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1270	.2000	ppb	.0000 %

*** Sample ID: HD9FTT Seq: 115 12:25:04 06 Jul 2005 HG

WATER

Hg	.1049	ppb	.0000 %	.1049

*** Sample ID: HD9FTTS Seq: 116 12:26:15 06 Jul 2005 HG

WATER

Hg	5.012	ppb	.0000 %	5.012

*** Sample ID: HD9FTTSD Seq: 117 12:27:33 06 Jul 2005 HG

WATER

Hg	4.843	ppb	.0000 %	4.843

*** Check Standard: 2 Ck2CCV Seq: 118 12:28:39 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		87.45	4.372	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 119 12:29:48 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1016	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 120 12:35:53 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		89.13	4.456	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 121 12:37:09 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0502	.2000	ppb	.0000 %

*** Sample ID: HEQQMB Seq: 122 12:38:39 06 Jul 2005 HG

5182034

Hg	.0078	ppb	.0000 %	.0078

*** Sample ID: HEQQMC Seq: 123 12:39:56 06 Jul 2005 HG

WATER

Hg	4.335	ppb	.0000 %	4.335

*** Sample ID: HEG86 Seq: 124 12:41:02 06 Jul 2005 HG

WATER

Hg	1.693	ppb	.0000 %	1.693

*** Sample ID: HEG86S Seq: 125 12:42:12 06 Jul 2005 HG

WATER

Hg	2.237	ppb	.0000 %	2.237

rerun CCB failed

rerun CCB failed

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------

*** Sample ID: HEG86D                    Seq:  126    12:43:37 06 Jul 2005 HG
                                WATER
Hg    2.523   ppb       .0000 %   2.523

*** Sample ID: HEG87                     Seq:  127    12:56:48 06 Jul 2005 HG
                                WATER
Hg    ^^^^^^0 ppb       100.0 %   ^^^^^^

*** Sample ID: HEG94                     Seq:  128    13:10:00 06 Jul 2005 HG
                                WATER
Hg    ^^^^^^0 ppb       100.0 %   ^^^^^^

*** Sample ID: HEG97                     Seq:  129    13:11:10 06 Jul 2005 HG
                                WATER
Hg    51.40   ppb       .0000 %   51.40

*** Sample ID: HEG99                     Seq:  130    13:24:24 06 Jul 2005 HG
                                WATER
Hg    ^^^^^^0 ppb       100.0 %   ^^^^^^

*** Sample ID: HEG9A                     Seq:  131    13:38:35 06 Jul 2005 HG
                                WATER
Hg    ^^^^^^0 ppb       100.0 %   ^^^^^^

*** Check Standard: 2  Ck2CCV        Seq:  132     13:39:49 06 Jul 2005 HG
Line  Flag  %Rcv.    Found    True  Units      SD/RSD
Hg          82.84    4.142   5.000  ppb         .0000 %

*** Check Standard: 1  Ck1CCB        Seq:  133     13:41:19 06 Jul 2005 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg      L  -.2146    .2000    ppb         .0000 %

*** Check Standard: 2  Ck2CCV        Seq:  134     13:59:09 06 Jul 2005 HG
Line  Flag  %Rcv.    Found    True  Units      SD/RSD
Hg          82.82    4.141   5.000  ppb         .0000 %

*** Check Standard: 1  Ck1CCB        Seq:  135     14:00:14 06 Jul 2005 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.1931    .2000    ppb         .0000 %

*** Sample ID: HEQQMB                    Seq:  136    14:01:48 06 Jul 2005 HG
                               5182034
Hg   -.1337   ppb       .0000 %  -.1337

*** Sample ID: HEQQMC                    Seq:  137    14:02:53 06 Jul 2005 HG
                                WATER
Hg    4.087   ppb       .0000 %   4.087
```

rerun CCB failed

rerun CCB failed

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEG86 Seq: 138 14:04:08 06 Jul 2005 HG
WATER
Hg 1.563 ppb .0000 % 1.563

*** Sample ID: HEG86S Seq: 139 14:05:26 06 Jul 2005 HG
WATER
Hg 2.275 ppb .0000 % 2.275

*** Sample ID: HEG86D Seq: 140 14:07:40 06 Jul 2005 HG
WATER
Hg 2.374 ppb .0000 % 2.374

*** Sample ID: HEG87/50 Seq: 141 14:20:53 06 Jul 2005 HG
WATER
Hg ^^^^^^0 ppb 100.0 % ^^^^^^

*** Sample ID: HEG94/~~50~~ 1000 Seq: 142 14:22:02 06 Jul 2005 HG
mL 7705
WATER
Hg -.0048 ppb .0000 % -.0048

*** Sample ID: HEG97/10 Seq: 143 14:23:08 06 Jul 2005 HG
WATER
Hg 7.379 ppb .0000 % 7.379

*** Sample ID: HEG99/~~50~~ 1000 Seq: 144 14:24:33 06 Jul 2005 HG
mL 7705
WATER
Hg 9.725 ppb .0000 % 9.725

*** Sample ID: HEG9A/~~50~~ 1000 Seq: 145 14:25:52 06 Jul 2005 HG
mL 7705
WATER
Hg 4.066 ppb .0000 % 4.066

*** Check Standard: 2 Ck2CCV Seq: 146 14:27:09 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		81.73	4.086	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 147 14:28:13 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg	L	-.2124	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 148 14:31:06 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.42	4.121	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 149 14:32:43 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1900	.2000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEQQMB Seq: 150 14:33:49 06 Jul 2005 HG
5182034
Hg -.1083 ppb .0000 % -.1083

*** Sample ID: HEQQMC Seq: 151 14:34:53 06 Jul 2005 HG
WATER
Hg 4.131 ppb .0000 % 4.131

*** Sample ID: HEG86 Seq: 152 14:35:57 06 Jul 2005 HG
WATER
Hg 1.577 ppb .0000 % 1.577

*** Sample ID: HEG86S Seq: 153 14:37:05 06 Jul 2005 HG
WATER
Hg 2.296 ppb .0000 % 2.296

*** Sample ID: HEG86D Seq: 154 14:38:10 06 Jul 2005 HG
WATER
Hg 2.330 ppb .0000 % 2.330

*** Sample ID: HEG87/1000 Seq: 155 14:39:17 06 Jul 2005 HG
WATER
rerun 2000x Hg 10.44 ppb .0000 % 10.44

*** Sample ID: HEG94/100 Seq: 156 14:40:25 06 Jul 2005 HG
WATER
Hg 2.792 ppb .0000 % 2.792

*** Sample ID: HEG97/10 Seq: 157 14:41:33 06 Jul 2005 HG
WATER
Hg 7.308 ppb .0000 % 7.308

*** Sample ID: HEG99/1000 Seq: 158 14:42:38 06 Jul 2005 HG
WATER
Hg 9.636 ppb .0000 % 9.636

*** Sample ID: HEG9A/1000 Seq: 159 14:43:44 06 Jul 2005 HG
WATER
Hg 4.029 ppb .0000 % 4.029

*** Check Standard: 2 Ck2CCV Seq: 160 14:44:49 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		81.52	4.076	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 161 14:46:18 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1379	.2000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEG9E/20 Seq: 162 14:59:41 06 Jul 2005 HG
WATER
Hg ^^^^^^0 ppb 100.0 % ^^^^^^

rerun on another run

*** Sample ID: HEG9J/20 1000 Seq: 163 15:01:00 06 Jul 2005 HG
WATER
Hg 8.395 ppb .0000 % 8.395

*** Sample ID: HEG9N/20 1000 Seq: 164 15:02:05 06 Jul 2005 HG
WATER
Hg 8.091 ppb .0000 % 8.091

*** Sample ID: HEG9Q/20 1000 Seq: 165 15:03:12 06 Jul 2005 HG
WATER
Hg 7.837 ppb .0000 % 7.837

*** Sample ID: HEG9X/20 1000 Seq: 166 15:04:42 06 Jul 2005 HG
WATER
Hg -.0101 ppb .0000 % -.0101

500X

*** Sample ID: HEHAC/20 1000 Seq: 167 15:06:03 06 Jul 2005 HG
WATER
Hg 11.23 ppb .0000 % 11.23

1000X

*** Sample ID: HEHAD/20 1000 Seq: 168 15:07:22 06 Jul 2005 HG
WATER
Hg 4.301 ppb .0000 % 4.301

*** Sample ID: HEHAF/20 1000 Seq: 169 15:08:52 06 Jul 2005 HG
WATER
Hg 8.114 ppb .0000 % 8.114

*** Sample ID: HEHAG/20 1000 Seq: 170 15:09:57 06 Jul 2005 HG
WATER
Hg 4.669 ppb .0000 % 4.669

*** Sample ID: HEHAJ/20 1000 Seq: 171 15:11:06 06 Jul 2005 HG
WATER
Hg 4.996 ppb .0000 % 4.996

*** Check Standard: 2 Ck2CCV Seq: 172 15:12:56 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.79	4.140	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 173 15:14:01 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1615	.2000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEHAL/1000 Seq: 174 15:15:38 06 Jul 2005 HG
WATER
Hg 7.512 ppb .0000 % 7.512

*** Sample ID: HEHAM/1000 Seq: 175 15:17:19 06 Jul 2005 HG
WATER
Hg 2.587 ppb .0000 % 2.587

*** Sample ID: HEHAN/1000 Seq: 176 15:18:50 06 Jul 2005 HG
WATER
Hg .7342 ppb .0000 % .7342

*** Sample ID: HEHAR/1000 Seq: 177 15:20:19 06 Jul 2005 HG
WATER
Hg 2.308 ppb .0000 % 2.308

*** Sample ID: HEW3KB Seq: 178 15:21:24 06 Jul 2005 HG
5187035
Hg -.0648 ppb .0000 % -.0648

*** Sample ID: HEW3KC Seq: 179 15:22:29 06 Jul 2005 HG
WATER
Hg 4.549 ppb .0000 % 4.549

*** Sample ID: HEA4N Seq: 180 15:24:06 06 Jul 2005 HG
WATER
Hg -.0900 ppb .0000 % -.0900

*** Sample ID: HEA4NS Seq: 181 15:25:46 06 Jul 2005 HG
WATER
Hg .9239 ppb .0000 % .9239

*** Sample ID: HEA4ND Seq: 182 15:26:56 06 Jul 2005 HG
WATER
Hg .9416 ppb .0000 % .9416

*** Sample ID: HEA4NF Seq: 183 15:28:03 06 Jul 2005 HG
WATER
Hg -.0510 ppb .0000 % -.0510

*** Check Standard: 2 Ck2CCV Seq: 184 15:29:34 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.29	4.114	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 185 15:31:13 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1025	.2000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEW2RB Seq: 186 15:32:18 06 Jul 2005 HG
5187019
Hg -.0371 ppb .0000 % -.0371

*** Sample ID: HEW2RC Seq: 187 15:33:55 06 Jul 2005 HG
WATER
Hg 4.789 ppb .0000 % 4.789

*** Sample ID: HDJ92 Seq: 188 15:36:05 06 Jul 2005 HG
WATER
Hg -.0226 ppb .0000 % -.0226

*** Sample ID: HDJ94F Seq: 189 15:37:22 06 Jul 2005 HG
WATER
Hg -.0224 ppb .0000 % -.0224

*** Sample ID: HEN50 Seq: 190 15:38:51 06 Jul 2005 HG
WATER
Hg -.0506 ppb .0000 % -.0506

*** Sample ID: HEN50S Seq: 191 15:39:57 06 Jul 2005 HG
WATER
Hg .9077 ppb .0000 % .9077

*** Sample ID: HEN50D Seq: 192 15:41:04 06 Jul 2005 HG
WATER
Hg .9244 ppb .0000 % .9244

*** Sample ID: HEN59 Seq: 193 15:42:11 06 Jul 2005 HG
WATER
Hg -.0760 ppb .0000 % -.0760

*** Sample ID: HEN61 Seq: 194 15:43:17 06 Jul 2005 HG
WATER
Hg -.0456 ppb .0000 % -.0456

*** Sample ID: HEN65 Seq: 195 15:44:55 06 Jul 2005 HG
WATER
Hg -.0414 ppb .0000 % -.0414

*** Check Standard: 2 Ck2CCV Seq: 196 15:46:02 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.10	4.105	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 197 15:47:28 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1278	.2000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEN68 Seq: 198 15:48:35 06 Jul 2005 HG

WATER

Hg -.0513 ppb .0000 % -.0513

*** Sample ID: HEN6D Seq: 199 15:49:43 06 Jul 2005 HG

WATER

Hg -.0419 ppb .0000 % -.0419

*** Sample ID: HEN6F Seq: 200 15:50:54 06 Jul 2005 HG

WATER

Hg -.0475 ppb .0000 % -.0475

*** Sample ID: HEN6G Seq: 201 15:52:12 06 Jul 2005 HG

WATER

Hg -.0250 ppb .0000 % -.0250

*** Sample ID: HEN6P Seq: 202 15:53:53 06 Jul 2005 HG

WATER

Hg -.0268 ppb .0000 % -.0268

*** Sample ID: HEN6W Seq: 203 15:56:54 06 Jul 2005 HG

WATER

Hg -.0629 ppb .0000 % -.0629

*** Sample ID: HEN7D Seq: 204 15:58:01 06 Jul 2005 HG

WATER

Hg -.0741 ppb .0000 % -.0741

*** Sample ID: HEN7F Seq: 205 15:59:10 06 Jul 2005 HG

WATER

Hg -.0282 ppb .0000 % -.0282

*** Sample ID: HEN7H Seq: 206 16:00:25 06 Jul 2005 HG

WATER

Hg -.0407 ppb .0000 % -.0407

*** Sample ID: HEN7K Seq: 207 16:01:45 06 Jul 2005 HG

WATER

Hg -.0163 ppb .0000 % -.0163

*** Check Standard: 2 Ck2CCV Seq: 208 16:02:56 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.08	4.104	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 209 16:04:01 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0936	.2000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEN7M Seq: 210 16:05:19 06 Jul 2005 HG
WATER
Hg -.0682 ppb .0000 % -.0682

*** Sample ID: HEN7P Seq: 211 16:06:36 06 Jul 2005 HG
WATER
Hg -.0752 ppb .0000 % -.0752

*** Sample ID: HEPDT Seq: 212 16:07:43 06 Jul 2005 HG
WATER
Hg -.0109 ppb .0000 % -.0109

*** Sample ID: HENGH Seq: 213 16:08:52 06 Jul 2005 HG
WATER
Hg -.0212 ppb .0000 % -.0212

*** Sample ID: HEG87/2000 Seq: 214 16:10:04 06 Jul 2005 HG
WATER
Hg 4.792 ppb .0000 % 4.792

*** Sample ID: HEHAC/2000 Seq: 215 16:11:12 06 Jul 2005 HG
WATER
Hg 6.354 ppb .0000 % 6.354

*** Sample ID: HEG9X/500 Seq: 216 16:12:21 06 Jul 2005 HG
rerun 20x
WATER
Hg .2680 ppb .0000 % .2680

*** Sample ID: CRA\MRL Seq: 217 16:13:27 06 Jul 2005 HG
WATER
Hg .0341 ppb .0000 % .0341

*** Check Standard: 2 Ck2CCV Seq: 218 16:14:54 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		81.60	4.080	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 219 16:16:01 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1458	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 220 16:21:56 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.16	4.108	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 221 16:23:15 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0889	.2000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: HEHAN/100 Seq: 222 16:24:30 06 Jul 2005 HG

WATER

Hg .6584 ppb .0000 % .6584

rerun 10x

*** Sample ID: HEG9X/20 Seq: 223 16:26:00 06 Jul 2005 HG

WATER

Hg 11.50 ppb .0000 % 11.50

rerun 40x

*** Sample ID: CRA\MRL Seq: 224 16:27:28 06 Jul 2005 HG

WATER

Hg .0587 ppb .0000 % .0587

*** Check Standard: 2 Ck2CCV Seq: 225 16:29:24 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		83.23	4.162	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 226 16:30:33 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0955	.2000	ppb	.0000 %

*** Check Standard: 2 Ck2CCV Seq: 227 16:33:37 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		83.07	4.153	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 228 16:34:57 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1230	.2000	ppb	.0000 %

*** Sample ID: HEHAN/10 Seq: 229 16:36:28 06 Jul 2005 HG

WATER

Hg 8.290 ppb .0000 % 8.290

*** Sample ID: HEG9X/40 Seq: 230 16:37:43 06 Jul 2005 HG

WATER

Hg 5.810 ppb .0000 % 5.810

*** Sample ID: CRA\MRL Seq: 231 16:39:25 06 Jul 2005 HG

WATER

Hg .0671 ppb .0000 % .0671

*** Check Standard: 2 Ck2CCV Seq: 232 16:41:26 06 Jul 2005 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.62	4.131	5.000	ppb	.0000 %

*** Check Standard: 1 Ck1CCB Seq: 233 16:42:33 06 Jul 2005 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.1240	.2000	ppb	.0000 %

SCAL	STD 5K284	ICSA	STD 5F344	CAL1/CRI	STD
SCAL2	STD 5E283	ICSAB	STD 5G378	CAL2 (2X)- CAL3	STD
CRI	STD 5G367	ICV	STD 5F313	SCAL (2X)- CAL 2	STD
CLP CRI	STD —	CCV	STD 5G381	ICSAB 4.0	STD

STL North Canton ICP Data Review Checklist

Run/Project Information:

Run Date: 7/12/05 Analyst: PSD Instrument: I5

Prep Batches Run: SEE RUN LOG

Circle Methods used: (6010B / 200.7:) CORP-MT-0001 Rev 3.2
CLP ILM04.0: CORP-MT-0002 Rev 1.1
6010A/200.7: CORP-MT-0001NC, Rev 2

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions (2 exposures/sample) and at SOP specified levels ?	/			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? *(ICV (2nd source):200.7=95 –105%, 6010B/CLP, 90-110%) (CCV: 90 – 110%)*	/			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	/			✓
4. High Std. (HCAL) reanalyzed before samples and recovered within QC limits ? (6010A 95-105%, CLP,6010B- N/A)			/	
5. CRI run at SOP or project-specific frequency? Recovered within QC limits? (6010A +/- 50%, project specific limits may vary)	/			✓
6. ICSA/ICSAB run at required frequency and within SOP limits ?	/			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?	/			✓
2. All reported results bracketed by in control QC ?	/			✓
3. Sample analyses done within holding time ?	/			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	/			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	/			✓
3. MS/MSD run at required frequency and within limits ?	/			✓
4. MSD or DU run at required frequency and RPD within SOP limits ?	/			✓
5. Serial dilution done per prep batch (or per SDG for CLP) ?	/			✓
6. Post digest spike analyzed if required?	/			✓
D. Other	/			
1. Are all nonconformances documented appropriately ?	/			✓
2. Current IDL/MDL/LR/IEC data on file ?	/			✓
3. Calculations checked for error ?	/			✓
4. Transcriptions checked for error ?	/			✓
5. All client/project specific requirements met ?	/			✓
6. Date/time of analysis verified as correct ?	/			✓

Level I Analyst: [signature] Date: 7/13/05 Time: 1146-1130
Comments: [signature] 7/13/05 1201-1226
BCD 7/14/05

Level II Reviewer: [signature] Date: 7.13.05 Time: 11:46-11:30
Comments: [signature] 7.14.05 12:01-12:26

n: /metals/icpchk.doc
Revision 2.0, 05/13/05

Clouseau
Nonconformance Memo

SEVERN TRENT STL

NCM #: 01-10836
NCM Initiated By: Dorothy Leeson
Date Opened: 03/05/2004
Date Closed: 03/08/2004

Classification: Anomaly
Status: CLOSED
Production Area: Metals
Tests: None
Lot #'s (Sample #'s): ,
QC Batches: None.,

Nonconformance: Other (describe in detail)
Subcategory: Other (explanation required)

Problem Description / Root Cause

Name	Date	Description
Dorothy Leeson	03/05/2004	Stock standard solutions used for ICP ICSA solutions commonly have low level contamination for certain elements, especially zinc.

Verified contamination is not corrected by interelement correction factors (IEC's) since instrumental determination of the presence of the analyte is due not to spectral interference but due to actual presence of the element in the solution. Contamination can be verified by performing a wavelength scan of the standard solution. If contamination exists, the peak apex will be directly at the expected wavelength for the element of concern. If the presence of the analyte is due to interference from another analyte which produces a peak near the element of concern, the peak apex of the interfering analyte will not be exactly at the wavelength for the element of concern, and an IEC would be generated.

If contamination for an element such as zinc is suspected, an IEC would be inappropriate, and the concentration during analysis of the daily ICSA solution may exceed SOP criteria. In these cases, this NCM will be referenced and a copy of this NCM will be included with the run.

Zinc contamination in ICSA stock solutions has been verified in this lab at various times with wavelength scans. Similarly, contamination for other elements has been verified when suspected. An example scan is included with the I6 ICP analytical run from 4/3/01.

Corrective Action

Name	Date	Corrective Action
Dorothy Leeson	03/05/2004	

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note
	Response	Response Note			

Quality Assurance Verification

Verified By	Due Date	Status	Notes
LAMBERTB		Verified/completed	

Method: TOTAL Sample Name: STD1-Blank Operator:
Run Time: 07/12/05 11:46 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	count	count	count	count	count	count
Avge	-.00029	.06054	-.0058	.00225	.00069	.00406
SDev	.00154	.00008	.00188	.0001	.00014	0
%RSD	520.356	.14423	32.402	4.80705	20.345	.14497

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	count	count	count	count	count	count
Avge	.01143	-.00433	-.00064	.00208	.00948	-.00044
SDev	.00001	.00272	.00006	.00042	.00002	.00006
%RSD	.14497	62.9173	10.7344	20.345	.22427	15.5703

Elems	K	Mg	Mn	Mo	Na	Ni
Units	count	count	count	count	count	count
Avge	.01396	.00903	.002	.00027	.0024	.00128
SDev	.00051	.00032	.00003	.00003	.00003	0
%RSD	3.65534	3.63197	1.89089	13.0002	1.6029	.14497

Elems	Sn	Ti	Tl	V	Zn	2203\1
Units	count	count	count	count	count	count
Avge	.00215	-.00007	-.02786	.00019	.00336	.0125
SDev	.00087	.0001	.00714	.0002	.00014	.00117
%RSD	40.7713	141.421	25.6589	106.003	4.30429	9.38573

Elems	2203\2	1960\1	1960\2	2068/2	2068/1	Y_3710
Units	count	count	count	count	count	count
Avge	-.00606	-.02976	.01161	.00084	-.02007	5
SDev	.00471	.00935	.00166	.00021	.00448	0
%RSD	77.825	31.4341	14.3158	25.0971	22.3535	0

Elems	*Y
Units	
Avge	20193.1
SDev	29.2745
%RSD	.14497

Method: TOTAL Sample Name: CALSTD Operator:
Run Time: 07/12/05 11:51 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	As	B	Ba	Be	Cd
Units	count	count	count	count	count	count
Avge	7.41986	5.22916	2.70957	4.15939	15.57	29.8282
SDev	.00329	.03506	.00906	.00456	.01688	.03314
%RSD	.04435	.67055	.33468	.10965	.10844	.11112

Elems	Co	Cr	Cu	Mn	Mo	Ni
Units	count	count	count	count	count	count
Avge	5.50551	6.24713	3.10468	17.0838	1.09934	2.48199
SDev	.00858	.00918	.00097	.0405	.00424	.00397
%RSD	.15597	.14698	.03136	.2371	.38598	.16005

Elems	Sn	Ti	Tl	V	Zn	2203\1
Units	count	count	count	count	count	count
Avge	9.99731	3.0073	6.79383	4.67497	8.41778	4.23104
SDev	.01911	.00385	.04227	.00682	.01265	.00585
%RSD	.19121	.12814	.62228	.14591	.15031	.13834

Elems	2203\2	1960\1	1960\2	2068/2	2068/1	*Y
Units	count	count	count	count	count	
Avge	5.93062	2.17542	2.4889	.40762	4.18323	19860
SDev	.01964	.00428	.01041	.00042	.00854	22.6274
%RSD	.33126	.19703	.41863	.10519	.20415	.11393

Method: TOTAL Sample Name: CAL 2 Operator:
Run Time: 07/12/05 11:56 Filename: I50712A
Mode: IR Type: X Corr. Factor: 1.00000
Lab ID.: Cust. Smpl. ID.: Cust. ID.:

Elems	Al	Ca	Fe	K	Mg	Na
Units	count	count	count	count	count	count
Avge	9.48192	8.52854	4.85375	14.8922	19.0796	.84056
SDev	.00568	.01066	.00504	.00341	.01476	.00024
%RSD	.05996	.12505	.10392	.02295	.07738	.02908

Elems	*Y
Units	
Avge	19949.6
SDev	22.6274
%RSD	.11342

Method: TOTAL Sample Name: ICV Operator: KLC
Run Time: 07/12/05 12:00 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	488.8	12620.	243.86	958.1	963.0	1022.
SDev	.6498	12.98	1.4528	.3055	1.051	1.556
%RSD	.1329	.1029	.59573	.0319	.1092	.1523

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25020.	252.8	1002.	1008.	1016.	12730.
SDev	59.61	.4838	1.777	1.257	1.384	5.739
%RSD	.2383	.1914	.1774	.1246	.1362	.0451

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24940.	24020.	990.6	981.7	23820.	1011.
SDev	62.36	70.56	1.629	2.003	156.5	3.247
%RSD	.25	.2938	.1644	.204	.6569	.3212

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	249.34	255.52	250.23	991.0	1016.	503.50
SDev	2.5339	.99348	2.402	.0811	1.48	.23741
%RSD	1.0163	.3888	.95993	.0082	.1456	.04715

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	982.2	998.5	253.91	256.33	251.82	248.10
SDev	.6194	1.716	.94794	1.9627	.82187	3.3887
%RSD	.0631	.1719	.37333	.76571	.32636	1.3659

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	249.11	250.79	5.0000	20269.4
SDev	.77216	3.2157	0	50.3454
%RSD	.30997	1.2823	0	.24838

Method: TOTAL Sample Name: ICB Operator: KLC
Run Time: 07/12/05 12:07 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3820	6.927	-.53337	4.003	.4342	.4770
SDev	.2975	3.574	.81016	1.135	.1648	.1665
%RSD	77.88	51.6	151.9	28.35	37.95	34.91

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	39.87	.0438	.1492	.0875	.4939	1.573
SDev	4.306	.0279	.3505	.1557	.0344	1.416
%RSD	10.8	63.65	234.9	178	6.966	90.05

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	166.7	16.48	.4487	.8707	-240.4	.2800
SDev	2.335	1.393	.1364	.6284	173.3	1.442
%RSD	1.401	8.455	30.4	72.18	72.07	515.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.93124	1.0600	-.77890	.5978	.8137	1.4114
SDev	1.7069	.14138	.3033	.7215	.1141	.67459
%RSD	183.29	13.338	38.939	120.7	14.02	47.796

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4143	.9743	.72190	1.2287	3.6807	-.44143
SDev	.1173	.0217	.53705	.48009	7.0718	.97156
%RSD	28.31	2.233	74.393	39.072	192.13	220.09

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.19728	-1.0693	5.0000	20525.5
SDev	.75613	.83222	0	16.8297
%RSD	383.26	77.831	0	.08199

Method: TOTAL Sample Name: CRI\MRL Operator: KLC
Run Time: 07/12/05 12:12 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.792	204.1	14.622	191.1	9.959	5.238
SDev	.2033	.1666	.2025	.3412	.015	.0693
%RSD	4.243	.0816	1.3849	.1785	.1506	1.324

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5034.	5.040	5.070	4.715	15.39	297.6
SDev	.0684	.082	.0423	.2769	.2645	1.986
%RSD	.0014	1.627	.8353	5.874	1.719	.6674

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4864.	4737.	15.30	10.55	4837.	25.29
SDev	7.853	3.301	.078	.4824	103.4	.4917
%RSD	.1614	.0697	.51	4.572	2.138	1.944

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.818	10.131	8.9659	101.7	51.09	15.555
SDev	2.4701	.34453	1.5203	.9955	.2571	.76023
%RSD	11.321	3.4009	16.956	.9785	.5032	4.8874

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.044	40.75	9.1007	10.645	27.034	19.215
SDev	.2483	.2932	.52745	.77987	3.2848	2.0634
%RSD	3.525	.7195	5.7958	7.3263	12.15	10.739

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	8.8787	9.0095	5.0000	20501.6
SDev	2.6453	.95855	0	35.0722
%RSD	29.794	10.639	0	.17107

Method: TOTAL Sample Name: ICSA Operator: KLC
Run Time: 07/12/05 12:19 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6893	489300.	-.00049	-1.377	2.381	.0632
SDev	.1176	244.2	1.5285	1.214	.034	.0282
%RSD	17.07	.0499	310500	88.14	1.426	44.69

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	479000.	-.0815	4.229	4.496	5.490	191000.
SDev	277.6	.1082	.025	.3012	.0415	89.22
%RSD	.0579	132.8	.5908	6.699	.7564	.0467

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157.4	500800.	13.27	-1.237	-201.9	4.777
SDev	3.55	43.2	.0218	1.724	37.97	.6437
%RSD	2.256	.0086	.1646	139.4	18.81	13.47

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.0283	3.6163	-.10308	-1.666	-7.548	.30170
SDev	6.2245	1.1136	1.0931	.1095	.3662	.00112
%RSD	205.54	30.794	1060.4	6.573	4.851	.37371

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4561	Q30.74	-8.0232	9.4274	15.458	-12.258
SDev	.2183	.175	1.1022	1.1193	11.716	3.4826
%RSD	47.86	.5694	13.738	11.873	75.796	28.412

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5336	.61111	5.0000	19409.5
SDev	3.221	.03078	0	6.93019
%RSD	210.03	5.0374	0	.0357

Method: TOTAL Sample Name: ICSAB Operator: KLC
Run Time: 07/12/05 12:24 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	994.6	477600.	980.33	1004.	499.8	491.1
SDev	5.007	2887	8.0769	3.416	3.337	3.205
%RSD	.5034	.6045	.82389	.3403	.6677	.6526

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	467800.	933.4	471.4	479.3	502.4	186600.
SDev	2933	6.088	2.912	2.982	3.878	1112
%RSD	.6269	.6523	.6177	.6222	.7719	.596

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10440.	488900.	477.7	952.9	9811.	930.0
SDev	39.63	3910	2.952	4.706	110.8	4.366
%RSD	.3797	.7998	.6179	.4938	1.129	.4694

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	936.99	943.46	961.29	956.0	989.4	934.25
SDev	1.2928	3.1051	2.4436	6.984	6.045	7.0208
%RSD	.13797	.32912	.2542	.7305	.611	.75148

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	473.9	1021.	928.80	950.77	952.82	929.09
SDev	1.827	7.965	10.901	.78699	3.1993	.34095
%RSD	.3856	.7804	1.1737	.08277	.33577	.03669

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	956.47	963.70	5.0000	19514
SDev	9.2178	.93839	0	109.742
%RSD	.96372	.09737	0	.56237

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 12:30 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	976.3	24670.	494.19	4991.	1997.	2030.
SDev	.4703	48.8	1.7752	12.01	.5716	.2979
%RSD	.0482	.1978	.35921	.2407	.0286	.0147

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49560.	503.9	2015.	1996.	1993.	25110.
SDev	71.02	.4229	.6846	.9822	.7927	4.225
%RSD	.1433	.0839	.034	.0492	.0398	.0168

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49720.	48810.	2007.	1977.	46440.	1997.
SDev	133.2	137.1	.7862	2.933	155.3	3.188
%RSD	.2678	.281	.0392	.1484	.3344	.1596

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.54	501.06	493.40	4986.	4993.	1007.3
SDev	.04009	1.6248	1.9043	4.133	2.471	.46511
%RSD	.00794	.32427	.38594	.0829	.0495	.04617

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1983.	2022.	499.67	501.75	506.24	503.69
SDev	1.536	.1135	2.1971	1.3391	1.1432	.63086
%RSD	.0774	.0056	.43969	.26689	.22582	.12524

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.54	494.83	5.0000	20334.6
SDev	.79614	2.4575	0	10.1826
%RSD	.16229	.49662	0	.05007

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 12:37 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2180	56.23	-.83170	11.56	.6513	.6299
SDev	.3823	11.09	.25851	.5453	.202	.2342
%RSD	175.4	19.73	31.082	4.716	31.01	37.17

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	97.28	.1396	.6812	.0003	1.154	17.45
SDev	15.02	.1511	.453	.4235	.3806	10.35
%RSD	15.44	108.3	66.49	125400	32.99	59.33

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.4	40.26	.6077	.9688	-52.72	1.396
SDev	4.605	14.85	.1963	.7592	29.16	.2291
%RSD	2.751	36.88	32.3	78.36	55.32	16.41

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2239	.07163	.08673	.6846	1.875	1.7868
SDev	.87433	.00776	.69321	.4896	.6932	1.5077
%RSD	71.441	10.836	799.19	71.52	36.98	84.381

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4589	1.211	.67276	-.22848	3.2431	.21576
SDev	.4747	.2008	2.0427	1.0315	2.9278	.15083
%RSD	103.4	16.58	303.62	451.44	90.277	69.91

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.87434	-.30647	5.0000	20432.1
SDev	.59525	.74211	0	34.9314
%RSD	68.081	242.15	0	.17096

Method: TOTAL Sample Name: HE01DB 5188014 Operator: KLC
Run Time: 07/12/05 12:56 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1320	1.150	1.1405	1.574	.2154	-.0011
SDev	.2762	3.429	.22281	.1155	.0666	.0186
%RSD	209.3	298.2	19.536	7.338	30.93	1728

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	197.0	-.0722	.2925	-.4822	1.689	7.571
SDev	1.558	.0344	.099	.1959	.2358	4.215
%RSD	.7906	47.63	33.83	40.64	13.96	55.67

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	165.8	16.66	.4460	-.3765	-443.6	-.4412
SDev	2.284	.2893	.017	.3721	112.4	.332
%RSD	1.378	1.737	3.81	98.82	25.34	75.25

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0892	-.15095	-.28820	-.7311	.2467	2.3922
SDev	1.0065	.45246	1.4752	.1009	0	1.9848
%RSD	92.408	299.75	511.85	13.81	0	82.969

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1814	9.643	-1.2508	.39812	5.3796	-1.0528
SDev	.0296	.239	.81011	1.0828	2.3215	2.668
%RSD	16.31	2.478	64.77	271.98	43.154	253.41

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.7869	.95926	5.0000	20713.7
SDev	1.0735	2.7477	0	22.2034
%RSD	38.521	286.43	0	.10719

Method: TOTAL Sample Name: HE01DC Operator: KLC
Run Time: 07/12/05 13:01 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49.44	1865.	1800.3	875.9	1780.	46.72
SDev	.334	3.763	.57478	2.571	1.121	.0467
%RSD	.6756	.2018	.03192	.2935	.0629	.1

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44500.	45.88	455.6	183.9	233.8	1023.
SDev	23.54	.1023	.0283	.8557	.0189	2.671
%RSD	.0529	.2229	.0062	.4654	.0081	.2612

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49480.	42700.	450.4	886.0	43050.	448.9
SDev	91.14	9.093	.2057	3.997	119.3	.9302
%RSD	.1842	.0213	.0457	.4512	.2772	.2072

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1854.9	456.14	427.93	1822.	922.0	1814.5
SDev	1.8308	.10934	19.094	5.536	.0055	5.5616
%RSD	.09869	.02397	4.4618	.3039	.0006	.30651

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	451.4	478.8	453.31	457.55	1846.1	1859.3
SDev	.0769	.7278	1.2234	.77469	3.8527	4.6683
%RSD	.017	.152	.26987	.16931	.20868	.25107

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	431.03	426.39	5.0000	20637.6
SDev	8.5645	24.35	0	61.0943
%RSD	1.987	5.7107	0	.29603

Method: TOTAL Sample Name: HE0FM Operator: KLC
Run Time: 07/12/05 13:07 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1327	164.7	2.7601	263.5	2.943	.0612
SDev	.0093	.4396	.47267	.3143	.4949	.0272
%RSD	6.997	.267	17.125	.1193	16.82	44.38

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61850.	.0258	.6032	.1116	2.965	203.6
SDev	48.26	.0002	.1991	.1101	.1807	9.566
%RSD	.078	.7494	33.01	98.58	6.092	4.699

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16890.	7742.	183.9	104.2	208200.	184.1
SDev	60.78	14.62	.0842	.2746	812.1	.0106
%RSD	.36	.1888	.0458	.2634	.3901	.0057

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9918	.61136	2.4117	50.56	2.501	1.6160
SDev	.97856	.0274	.94622	2.274	.456	.91612
%RSD	49.128	4.4829	39.235	4.497	18.23	56.689

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7437	224.7	-1.1492	1.4904	7.5194	-.76780
SDev	.3222	.0044	1.21	.56297	2.599	.16954
%RSD	43.33	.0019	105.28	37.775	34.564	22.081

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6835	2.7753	5.0000	20650.1
SDev	.82205	1.0082	0	4.94974
%RSD	48.831	36.329	0	.02396

Method: TOTAL Sample Name: HEQ4D Operator: KLC
Run Time: 07/12/05 13:12 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2721	6.793	18.923	238.6	39.17	.0080
SDev	.4641	3.674	.04654	1.57	.0279	.0154
%RSD	170.6	54.09	.24597	.6582	.0712	191.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	272300.	.0649	5.278	.7400	.6922	25460.
SDev	358.8	.0318	.1401	.185	.2162	34.43
%RSD	.1318	48.99	2.655	25	31.23	.1352

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12010.	127100.	1288.	3.957	21250.	7.124
SDev	33.31	213.2	1.77	.013	229.2	1.043
%RSD	.2774	.1677	.1374	.3274	1.079	14.64

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.03131	.35737	.92950	-1.809	-4.289	.60856
SDev	.26537	.58801	.00813	.35	.1288	.21483
%RSD	847.56	164.54	.87477	19.35	3.003	35.302

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6969	4.569	-1.1258	1.0978	7.1365	-3.5160
SDev	.0895	.0704	2.5503	.39163	.34892	.57207
%RSD	12.84	1.541	226.53	35.673	4.8893	16.271

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3915	.69885	5.0000	20159.1
SDev	.43142	.20319	0	54.1641
%RSD	31.004	29.076	0	.26868

Method: TOTAL Sample Name: HEQ4K Operator: KLC
Run Time: 07/12/05 13:17 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2109	13.93	-.27359	326.9	262.8	-.0055
SDev	.0098	1.195	.56965	1.095	.3869	.0015
%RSD	4.646	8.582	208.21	.3349	.1472	27.47

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	147300.	.0154	.9877	1.207	.5436	2596.
SDev	190	.0616	.177	.3838	.062	5.156
%RSD	.129	400.1	17.92	31.81	11.4	.1986

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27090.	79970.	34.46	.8327	65150.	1.866
SDev	40.57	23.8	.0349	.5108	70.77	.051
%RSD	.1498	.0298	.1013	61.35	.1086	2.734

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.37690	-.08746	1.0450	2.168	-1.724	.54829
SDev	2.5326	.9144	.17834	.2388	.0026	.57591
%RSD	671.95	1045.5	17.067	11.01	.1533	105.04

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6278	5.325	-.55684	.14687	5.4430	-3.2825
SDev	.387	.2737	1.5857	2.1626	7.0399	.28234
%RSD	61.64	5.14	284.76	1472.4	129.34	8.6015

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3227	.90636	5.0000	20244.2
SDev	.85013	.15704	0	27.1532
%RSD	64.272	17.327	0	.13412

Method: TOTAL Sample Name: HEQ4Q Operator: KLC
Run Time: 07/12/05 13:22 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3227	20.26	250.81	17960.	218.4	.0066
SDev	.2082	1.535	.76391	79.91	.2024	.009
%RSD	64.5	7.578	.30457	.4448	.0927	137

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	140900.	-.0251	.4667	1.269	.7868	3081.
SDev	42.48	.1169	.0513	.2244	.4558	1.917
%RSD	.0301	466.4	10.98	17.68	57.92	.0622

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36120.	152900.	195.0	82.29	102300.	4.884
SDev	49.53	.2431	.2081	.2425	226.2	1.246
%RSD	.1371	.0001	.1067	.2947	.2211	25.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2154	-.25945	.57649	.5745	-.4132	2.5972
SDev	.44546	1.1487	.67709	.7025	.0001	.23602
%RSD	20.107	442.73	117.45	122.3	.0246	9.0876

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.718	2.092	-1.1012	.16079	8.3015	-.82304
SDev	.4207	.1421	1.3495	2.3959	.00052	.66812
%RSD	11.31	6.793	122.55	1490.1	.00632	81.177

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.97320	1.3502	5.0000	20154.2
SDev	.33686	1.1833	0	3.11154
%RSD	34.613	87.64	0	.01543

Method: TOTAL Sample Name: HEQ4T Operator: KLC
Run Time: 07/12/05 13:27 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2293	20.71	1.7551	98.65	12.63	.0075
SDev	.227	1.937	2.9688	9.745	.031	.0093
%RSD	98.99	9.354	169.15	9.878	.2451	123.6

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60240.	.0184	.6245	.4959	1.473	21.04
SDev	69.7	.0474	.1786	.2469	.1333	3.259
%RSD	.1157	257.2	28.6	49.78	9.049	15.48

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5762.	137400.	11.11	61.96	170100.	25.25
SDev	2.978	22.95	.0353	.141	463	.2772
%RSD	.0517	.0167	.3178	.2276	.2722	1.098

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8808	.05474	.03153	.3518	-.9085	.84387
SDev	.38267	.8556	.64568	.1048	.0002	2.1702
%RSD	20.346	1563	2047.8	29.79	.0268	257.18

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6841	2.726	-2.3865	1.2735	9.2086	-1.7776
SDev	.1503	.12	.73973	.91344	4.1321	1.4892
%RSD	21.97	4.403	30.997	71.726	44.872	83.776

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.60248	.34806	5.0000	20148
SDev	1.2642	.33688	0	4.24264
%RSD	209.83	96.788	0	.02105

Method: TOTAL Sample Name: HEQ4X Operator: KLC
Run Time: 07/12/05 13:31 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4225	10.84	2.1401	399.3	586.9	.0084
SDev	.2727	4.294	.16968	3.553	1.125	.0019
%RSD	64.54	39.63	7.9285	.89	.1916	22.78

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	153100.	.0743	-.6473	.2268	.2430	4146.
SDev	370.9	.0148	.3031	.451	.0667	3.973
%RSD	.2423	19.89	46.83	198.9	27.44	.0958

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3940.	107500.	17.89	6.254	98840.	3.310
SDev	9.844	379.5	.073	.522	60.74	.047
%RSD	.2498	.353	.4079	8.346	.0615	1.421

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0619	-.22293	1.1364	-.9668	-2.386	.90648
SDev	1.9768	1.1268	2.1276	1.052	.0046	1.8637
%RSD	186.15	505.44	187.22	108.8	.1923	205.6

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8285	2.690	-1.0643	.19712	10.282	-3.5411
SDev	.3002	.1421	.64838	2.013	2.0783	1.9261
%RSD	36.24	5.282	60.921	1021.2	20.213	54.392

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.04263	1.6825	5.0000	20209.1
SDev	1.0051	2.688	0	35.2131
%RSD	2357.6	159.77	0	.17424

Method: TOTAL Sample Name: HEQ41 Operator: KLC
Run Time: 07/12/05 13:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1548	53.05	1.2638	87.11	14.88	.0023
SDev	.9875	5.428	.88831	1.778	.0588	.0109
%RSD	637.8	10.23	70.29	2.042	.3955	468.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	57530.	.0413	1.287	-.3203	1.171	26.54
SDev	44.2	.0349	.1028	.2252	.2925	.3224
%RSD	.0768	84.65	7.991	70.31	24.97	1.215

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5783.	135500.	20.52	64.75	176500.	26.77
SDev	7.606	69.42	.0096	.1069	117.9	.2344
%RSD	.1315	.0512	.0469	.1651	.0668	.8757

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8429	.25090	.09982	-.1583	-.4916	.19716
SDev	.84297	.77792	.46737	2.615	.1148	1.4005
%RSD	45.742	310.05	468.19	1653	23.36	710.34

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9762	3.399	-.23704	.49451	4.8206	.35628
SDev	.1506	.0933	1.3254	.50459	2.6833	2.6035
%RSD	15.42	2.744	559.15	102.04	55.664	730.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.03829	.13054	5.0000	20262.3
SDev	1.4308	.01363	0	32.9509
%RSD	3736.1	10.441	0	.16262

Method: TOTAL Sample Name: HEQ45 Operator: KLC
Run Time: 07/12/05 13:41 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0733	30.11	1.1835	231.1	97.57	.0056
SDev	.2516	1.63	.41721	.1449	.1159	.0099
%RSD	343.2	5.413	35.252	.0627	.1188	174.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29430.	.0356	.2546	1.048	.7838	36.78
SDev	20.41	.0044	.2008	.0479	.1539	.7583
%RSD	.0694	12.41	78.86	4.57	19.64	2.062

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1781.	45280.	.6921	16.09	29430.	.9191
SDev	13.42	13.76	.0225	.2777	182.6	.5528
%RSD	.7538	.0304	3.253	1.726	.6206	60.15

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.44370	.19179	-.50532	-1.251	.0026	1.3118
SDev	.44089	.10075	1.3632	.1024	.3452	.49979
%RSD	99.367	52.533	269.76	8.183	13100	38.099

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4377	4.801	-1.4608	1.0169	7.2572	-2.9579
SDev	.2066	.1027	.23106	.03569	1.0626	1.1915
%RSD	47.21	2.138	15.818	3.5106	14.642	40.281

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.63025	-.44296	5.0000	20454.1
SDev	.17196	2.1296	0	31.2549
%RSD	27.286	480.77	0	.1528

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 13:48 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	978.6	24660.	493.40	5019.	2000.	2035.
SDev	.063	19.89	.26223	11.2	.5083	.2824
%RSD	.0064	.0807	.05314	.2232	.0254	.0139

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49460.	502.0	2012.	1999.	1998.	25070.
SDev	8.375	.1869	.302	1.616	1.676	14.14
%RSD	.0169	.0372	.015	.0808	.0839	.0564

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49730.	48580.	1989.	1972.	46540.	1957.
SDev	19.35	8.839	2.17	6.199	33.55	1.055
%RSD	.0389	.0182	.1091	.3143	.0721	.0539

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	505.44	500.94	495.29	4979.	5011.	1005.6
SDev	3.0869	.52828	2.7633	2.913	3.696	.32506
%RSD	.61074	.10545	.55791	.0585	.0738	.03232

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1986.	2014.	498.76	502.03	507.89	504.21
SDev	.7751	1.498	1.0089	.28831	3.6478	2.8069
%RSD	.039	.0744	.20228	.05743	.71822	.55669

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.82	496.52	5.0000	20230.7
SDev	1.1933	4.7385	0	9.4755
%RSD	.24213	.95434	0	.04683

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 13:56 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2313	25.30	.42759	13.15	.4660	.5140
SDev	.141	2.143	.52227	1.368	.2025	.1725
%RSD	60.94	8.47	122.14	10.4	43.45	33.57

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	71.94	-.0315	.1288	.0500	.6803	-4.008
SDev	4.477	.0572	.075	.4863	.1147	2.162
%RSD	6.223	181.4	58.21	973.2	16.86	53.95

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	164.0	14.50	.4900	1.242	-442.2	1.366
SDev	.2903	5.398	.205	.6357	162.4	.0492
%RSD	.177	37.24	41.84	51.21	36.73	3.604

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9587	1.4088	.76199	.7642	1.226	.49431
SDev	1.9134	.54463	1.6166	.9316	.4634	1.6403
%RSD	97.686	38.658	212.15	121.9	37.79	331.82

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0620	1.080	1.5865	1.3202	3.8270	1.0259
SDev	.0304	.039	.19729	.71805	3.4898	1.1263
%RSD	48.96	3.607	12.436	54.392	91.188	109.79

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.82625	1.5549	5.0000	20379.4
SDev	2.8591	.9962	0	39.8797
%RSD	346.04	64.068	0	.19568

Method: TOTAL Sample Name: HEX79 Operator: KLC
Run Time: 07/12/05 14:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3292	250.7	.24881	86.88	57.16	.1586
SDev	.0008	3.186	.30737	.7982	.1739	.0407
%RSD	.2287	1.271	123.54	.9188	.3042	25.67

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48140.	.0643	.3601	.6051	16.78	789.1
SDev	163.5	.0762	.1514	.1613	.1317	8.425
%RSD	.3396	118.6	42.05	26.65	.785	1.068

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3783.	15020.	12.67	4.011	46860.	2.980
SDev	6.882	53.48	.0151	.7717	144.5	.1269
%RSD	.1819	.3561	.1195	19.24	.3083	4.259

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8275	.47906	1.4302	.2438	.2467	1.1053
SDev	.79329	1.1466	1.7572	1.587	0	.19356
%RSD	43.408	239.33	122.86	651.1	0	17.512

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2716	57.34	-.54849	.99207	6.5695	-.53991
SDev	.1172	.0066	.42988	1.5044	1.8006	2.0883
%RSD	43.14	.0115	78.376	151.64	27.408	386.78

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1812	1.5545	5.0000	20409
SDev	.68674	2.9773	0	61.3774
%RSD	58.138	191.53	0	.30073

Method: TOTAL Sample Name: HEX19 Operator: KLC
Run Time: 07/12/05 14:05 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2798	3310.	.16326	170.6	53.53	.0840
SDev	.0181	2.076	.49015	.669	.0589	.0068
%RSD	6.459	.0627	300.23	.3923	.11	8.046

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54820.	3.929	.1998	.3021	3.606	18.11
SDev	9.223	.1323	.1256	.0921	.1666	3.598
%RSD	.0168	3.368	62.85	30.5	4.619	19.87

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8124.	9178.	333.2	47.94	84160.	3.106
SDev	13.74	2.361	.0469	.6601	211.5	.2694
%RSD	.1691	.0257	.0141	1.377	.2513	8.674

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5184	.68401	5.0225	-2.818	-.4059	2.3343
SDev	.15054	.18926	2.6037	.9359	.0013	1.3412
%RSD	5.978	27.67	51.842	33.22	.3202	57.458

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1371	47.32	-.87979	1.4647	8.2639	-.35006
SDev	.3565	.0988	.62361	.59509	.17926	.13621
%RSD	260	.2088	70.882	40.628	2.1692	38.911

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0247	7.0184	5.0000	20380.9
SDev	.83027	4.3182	0	40.5868
%RSD	81.023	61.527	0	.19914

Method: TOTAL Sample Name: HE0HJ Operator: KLC
Run Time: 07/12/05 14:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1353	66470.	75.746	194.7	507.6	3.381
SDev	.1718	94.14	.67485	1.363	.5285	.006
%RSD	127	.1416	.89093	.6998	.1041	.178

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	73120.	2.043	46.33	194.0	224.3	131900.
SDev	66.34	.016	.0767	.2897	.1013	73.94
%RSD	.0907	.7832	.1656	.1494	.0452	.0561

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17940.	23180.	2866.	54.27	19350.	229.3
SDev	13.03	20.65	.7924	.5782	78.08	.1412
%RSD	.0726	.0891	.0276	1.065	.4035	.0616

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1599	132.77	4.6001	2.519	575.9	1.0021
SDev	.79379	.84698	.2178	.6404	.2398	1.5854
%RSD	68.434	.63794	4.7347	25.43	.0416	158.21

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	188.6	879.0	128.84	134.73	9.5504	-3.0290
SDev	.0243	.2634	.52536	1.0075	1.0057	.68797
%RSD	.0129	.03	.40776	.74783	10.531	22.713

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4839	6.1559	5.0000	21081.9
SDev	2.2608	1.4552	0	12.8688
%RSD	152.35	23.64	0	.06104

Method: TOTAL Sample Name: HEXEE Operator: KLC
Run Time: 07/12/05 14:16 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2007	42.43	-.42207	327.9	462.7	.0257
SDev	.3203	2.556	.83009	.9003	2.093	.0111
%RSD	159.6	6.023	196.67	.2746	.4525	43.02

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	128800.	-.0535	2.188	1.378	.6221	11530.
SDev	462.3	.0034	.3007	.0168	.1558	53.65
%RSD	.3589	6.402	13.75	1.221	25.04	.4654

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26080.	74210.	112.8	-.0683	67310.	2.059
SDev	63.34	265.4	.5267	.1249	74.74	.667
%RSD	.2428	.3577	.467	182.8	.111	32.39

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.43685	.66296	.91865	-.4539	-1.065	1.9713
SDev	2.0095	.36186	.85127	.7296	.0025	3.9057
%RSD	459.99	54.583	92.665	160.8	.2354	198.13

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5998	6.614	-2.6024	2.2932	10.736	-4.7052
SDev	.3276	.2338	.10484	.59486	4.0404	.99549
%RSD	54.63	3.535	4.0288	25.941	37.633	21.157

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6624	2.2073	5.0000	20271.6
SDev	1.6833	2.1167	0	38.7486
%RSD	101.26	95.897	0	.19114

Method: TOTAL Sample Name: HEXEES Operator: KLC
Run Time: 07/12/05 14:20 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.42	2189.	2057.5	1327.	2502.	52.96
SDev	.4781	3.411	.94067	6.313	7.289	.118
%RSD	.8951	.1558	.04571	.4758	.2913	.2228

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	174700.	51.51	515.6	208.2	270.4	12260.
SDev	402.8	.1599	1.357	.5192	.461	24.76
%RSD	.2306	.3105	.2633	.2494	.1705	.2019

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	83430.	122900.	622.5	1014.	116400.	502.5
SDev	141.1	195.5	1.583	5.439	285.1	2.286
%RSD	.1691	.159	.2543	.5365	.245	.4548

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2108.3	516.08	519.85	2072.	1056.	2048.1
SDev	5.5776	2.6824	9.182	13.06	3.038	7.4678
%RSD	.26455	.51976	1.7663	.6302	.2876	.36461

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	515.7	531.3	512.06	518.09	2091.7	2116.6
SDev	1.606	.9097	2.9437	2.552	8.6106	4.0633
%RSD	.3115	.1712	.57486	.49257	.41165	.19197

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	516.59	521.48	5.0000	20322.7
SDev	6.3047	10.619	0	78.4888
%RSD	1.2204	2.0362	0	.38621

Method: TOTAL Sample Name: HEXEED Operator: KLC
Run Time: 07/12/05 14:25 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.33	2096.	1991.9	1300.	2421.	50.88
SDev	.058	3.98	2.8119	2.237	.24	.1265
%RSD	.1068	.1898	.14117	.1721	.0099	.2487

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	171100.	49.30	494.0	199.4	259.4	12010.
SDev	264.9	.13	.4067	.7954	.3921	15.51
%RSD	.1549	.2636	.0823	.3989	.1512	.1292

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	82220.	119900.	599.5	978.8	114600.	480.1
SDev	27.66	354.6	.4984	.1852	70.31	1.195
%RSD	.0336	.2958	.0831	.0189	.0614	.2489

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2040.9	493.59	505.74	1991.	1015.	1986.0
SDev	.75173	.48678	5.2104	4.798	.3826	.05455
%RSD	.03683	.09862	1.0302	.241	.0377	.00274

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	496.3	509.9	491.28	494.75	2031.7	2045.5
SDev	.5075	.7319	2.4284	1.9422	4.1151	.92738
%RSD	.1022	.1435	.4943	.39256	.20254	.04533

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	502.54	507.33	5.0000	20192.7
SDev	.3305	7.6466	0	14.5661
%RSD	.06576	1.5072	0	.07213

Method: TOTAL Sample Name: HEXEG Operator: KLC
Run Time: 07/12/05 14:32 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1552	17.42	.74744	357.3	123.9	.0666
SDev	.3795	3.17	.04273	.9412	.0981	.0215
%RSD	244.6	18.2	5.7172	.2634	.0792	32.23

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	144900.	.2574	.5579	.1729	.7921	4338.
SDev	275	.0317	.0259	.4103	.4977	2.43
%RSD	.1898	12.33	4.647	237.4	62.83	.056

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15010.	98600.	45.38	3.486	162400.	.8907
SDev	12.56	135.8	.0848	.3695	327.5	.3305
%RSD	.0837	.1377	.1869	10.6	.2016	37.11

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2213	.11423	1.1012	1.648	-1.159	1.4693
SDev	.05944	.08698	1.412	1.852	.1216	3.1003
%RSD	4.8676	76.14	128.23	112.4	10.49	211

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3689	7.827	-1.1422	.74152	4.3015	-.31642
SDev	.0003	.3357	.26212	.00046	3.5331	1.6748
%RSD	.0849	4.29	22.949	.06203	82.137	529.28

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.96360	1.1699	5.0000	20105.1
SDev	1.8636	3.0473	0	66.044
%RSD	193.39	260.49	0	.32849

Method: TOTAL Sample Name: HEXEH Operator: KLC
Run Time: 07/12/05 14:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3272	8.716	.74849	86.03	101.8	.0657
SDev	.2652	2.077	.16611	.0675	.1693	.0011
%RSD	81.07	23.83	22.193	.0785	.1662	1.732

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	126400.	.0976	-.0204	.1709	.5032	2411.
SDev	94.45	.0273	.3319	.0687	.0534	6.663
%RSD	.0747	27.95	1630	40.17	10.61	.2763

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3812.	47450.	143.5	4.102	213800.	1.172
SDev	7.137	94.49	.3011	1.028	111.9	.2857
%RSD	.1872	.1991	.2098	25.05	.0523	24.37

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.66241	.37579	.59646	.0832	-1.738	4.5437
SDev	.1045	.29626	.57726	1.617	.2326	2.5094
%RSD	15.776	78.835	96.781	1945	13.38	55.227

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1686	4.412	.34425	.39154	7.9559	-2.9789
SDev	.1503	.1363	.56636	.72692	.14741	.08307
%RSD	89.16	3.089	164.52	185.66	1.8529	2.7889

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1116	.33930	5.0000	20102.8
SDev	1.6265	.05344	0	13.2942
%RSD	146.32	15.751	0	.06613

Method: TOTAL Sample Name: HEXEJ Operator: KLC
Run Time: 07/12/05 14:41 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1461	50.32	.61615	829.9	4.439	.0769
SDev	.5039	.461	.21766	5.51	.0935	.0018
%RSD	344.9	.9162	35.326	.664	2.106	2.296

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6849.	.2168	.0934	8.029	64.70	728.7
SDev	1.912	.0185	.2266	.0106	.0952	.8974
%RSD	.0279	8.518	242.7	.1314	.1472	.1232

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2585.	6410.	10.71	15.66	112200.	4.393
SDev	7.914	.5289	.0138	.1465	42.58	.2151
%RSD	.3062	.0083	.1293	.9355	.0379	4.897

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4932	2.7025	1.3230	1.564	1.223	-.07659
SDev	1.172	.96973	.36047	.48	.2313	.57056
%RSD	78.491	35.882	27.247	30.69	18.91	744.91

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5060	9592.	.69284	3.7059	4.3823	.05083
SDev	.0879	17.26	.32441	1.6158	1.9617	.77779
%RSD	17.37	.18	46.823	43.602	44.764	1530.2

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.3942	.28889	5.0000	20439.7
SDev	3.3259	1.12	0	25.3136
%RSD	97.986	387.69	0	.12384

Method: TOTAL Sample Name: HEXEL Operator: KLC
Run Time: 07/12/05 14:46 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0171	5.463	1.1098	199.6	279.3	.0574
SDev	.3857	2.335	.45176	.0438	.8753	.0187
%RSD	2254	42.73	40.707	.022	.3133	32.57

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	107400.	.3594	2.555	.1376	1.456	-15.50
SDev	139.4	.0426	.0779	.3342	.1917	1.058
%RSD	.1298	11.85	3.048	242.9	13.16	6.824

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12420.	77120.	83.73	5.476	77250.	213.8
SDev	29.76	103.7	.1099	.5135	87.4	.0458
%RSD	.2397	.1345	.1312	9.377	.1131	.0214

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8122	-.63246	.04820	.0423	-1.723	1.3389
SDev	.85882	.90007	.3012	1.434	.0016	3.5741
%RSD	47.392	142.31	624.82	3391	.095	266.95

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8429	307.1	-1.3054	-.29652	11.831	-3.1897
SDev	.2981	.1599	.37777	1.1608	2.3949	2.4833
%RSD	35.37	.0521	28.94	391.48	20.243	77.852

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.54663	-.20063	5.0000	20259.5
SDev	.66012	.78114	0	16.8297
%RSD	120.76	389.34	0	.08307

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 14:53 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	979.0	24660.	493.16	4936.	2002.	2029.
SDev	1.853	33.04	.02112	8.035	1.129	1.275
%RSD	.1893	.134	.00428	.1628	.0564	.0628

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49230.	501.0	2001.	1988.	1996.	24710.
SDev	37.07	.4613	2.171	.3008	.6921	6.22
%RSD	.0753	.0921	.1085	.0151	.0347	.0252

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49720.	48330.	1988.	1959.	46310.	1964.
SDev	161.3	16.21	1.192	2.689	42.33	7.119
%RSD	.3243	.0335	.06	.1373	.0914	.3625

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	502.86	498.22	492.69	4949.	4981.	1003.1
SDev	3.5505	1.5032	.25251	.3242	.0832	5.3064
%RSD	.70606	.3017	.05125	.0066	.0017	.529

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1970.	2015.	496.68	498.98	501.73	503.42
SDev	.0129	1.554	.98597	1.7614	2.2648	4.1924
%RSD	.0007	.0771	.19851	.35299	.45139	.83278

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	494.84	491.62	5.0000	20234.8
SDev	1.6313	1.193	0	37.9006
%RSD	.32965	.24266	0	.1873

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 15:01 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6098	26.56	.11451	9.905	.5137	.5335
SDev	.2458	1.563	1.512	.21	.0615	.1531
%RSD	40.3	5.884	1320.3	2.12	11.97	28.7

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	71.21	.1035	.5747	.2401	.6879	7.620
SDev	5.193	.0884	.0508	.0071	.6602	4.307
%RSD	7.293	85.42	8.838	2.969	95.98	56.52

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.7	16.46	.4844	1.511	-336.0	1.013
SDev	.9671	2.263	.1096	.264	.8394	.6857
%RSD	.5732	13.75	22.62	17.47	.2498	67.67

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.43332	.63303	.71520	1.893	1.471	.95496
SDev	3.0397	.474	2.0711	1.615	.11	1.9139
%RSD	701.49	74.878	289.58	85.27	7.475	200.41

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9435	1.459	1.9090	-.00397	4.1030	-1.3987
SDev	.203	.0904	.2185	.81973	.2156	4.6649
%RSD	21.51	6.197	11.446	20637	5.2549	333.51

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0060	.57002	5.0000	20365.2
SDev	.73597	2.7376	0	91.359
%RSD	73.16	480.26	0	.4486

Method: TOTAL Sample Name: HEXEN Operator: KLC
Run Time: 07/12/05 15:05 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2638	14.07	-.86033	531.6	607.0	.2142
SDev	.2563	3.968	.49154	3.992	1.448	.0241
%RSD	97.15	28.2	57.135	.751	.2386	11.27

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	187800.	.0069	.7566	.4461	.4101	4134.
SDev	318.1	.0352	.0505	.2074	.1664	1.622
%RSD	.1694	509.4	6.67	46.5	40.56	.0392

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22080.	96580.	84.67	.1388	161000.	4.558
SDev	39.07	179.1	.0991	.2542	232	.4964
%RSD	.1769	.1854	.1171	183.1	.1441	10.89

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5855	.08792	.30066	-.3835	-2.407	1.8977
SDev	.03939	.09755	2.233	.8157	.0062	.03571
%RSD	2.4846	110.95	742.7	212.7	.2566	1.882

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5526	3.890	-.97499	.61858	8.3164	-1.7750
SDev	.0887	.1183	.44595	.07638	1.6231	.75128
%RSD	16.05	3.041	45.739	12.348	19.517	42.327

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.03014	.46581	5.0000	20050
SDev	.85058	3.7725	0	46.669
%RSD	2821.7	809.87	0	.23276

Method: TOTAL Sample Name: HEXEP Operator: KLC
Run Time: 07/12/05 15:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2794	10.93	.96661	120.7	160.8	.1285
SDev	.377	3.723	.80545	.2102	.0679	.0079
%RSD	134.9	34.07	83.327	.1742	.0423	6.123

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	134300.	.1064	.6474	.4258	.8061	19490.
SDev	64.45	.0989	.1525	.18	.1268	5.411
%RSD	.048	92.98	23.56	42.29	15.73	.0278

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4445.	47730.	319.2	1.542	33900.	-.2432
SDev	2.503	28.22	.1193	.5072	79.86	.2243
%RSD	.0563	.0591	.0374	32.9	.2356	92.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.28252	.42293	-.31550	.5145	-1.314	2.2715
SDev	2.7254	1.2286	.26931	.6311	.3476	1.519
%RSD	964.66	290.49	85.362	122.6	26.45	66.872

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9829	5.439	-.13468	.70133	5.8671	-2.5055
SDev	.6286	.2945	1.4012	1.1424	.16974	4.1708
%RSD	63.95	5.414	1040.3	162.89	2.8932	166.46

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.98381	.01814	5.0000	20232.8
SDev	1.5079	.34903	0	12.7279
%RSD	153.27	1923.2	0	.0629

Method: TOTAL Sample Name: HEXER Operator: KLC
Run Time: 07/12/05 15:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2327	70.47	5.4095	138.2	308.6	.1214
SDev	.4918	.5799	1.412	.9055	.0999	.008
%RSD	211.3	.8229	26.102	.6552	.0324	6.587

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	101300.	.0973	.5535	.4533	.6499	779.1
SDev	6.972	.0004	.0252	.0016	.5774	2.486
%RSD	.0069	.38	4.56	.3446	88.86	.3191

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7839.	51820.	38.19	14.63	342700.	19.71
SDev	8.252	31.21	.0236	.8796	291.6	1.433
%RSD	.1053	.0602	.0618	6.013	.0851	7.267

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.05461	.30683	-.66404	-.6419	-.4128	2.1245
SDev	1.688	.38913	.93463	1.861	.0006	.51093
%RSD	3090.9	126.82	140.75	289.8	.1401	24.049

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1861	104.0	-1.4945	1.2061	6.2489	-3.0379
SDev	.1197	.1345	.69954	.23416	4.7889	.13989
%RSD	64.31	.1294	46.809	19.414	76.635	4.605

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.77742	-.60744	5.0000	20166.5
SDev	.18083	1.4915	0	17.6777
%RSD	23.261	245.54	0	.08765

Method: TOTAL Sample Name: HEXET Operator: KLC
Run Time: 07/12/05 15:20 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1592	19.57	-.06889	654.1	1304.	.1028
SDev	.1057	2.892	.53672	10.38	13.09	.0008
%RSD	66.4	14.78	779.04	1.588	1.004	.7456

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	140000.	.0194	.2881	.3878	.5267	961.4
SDev	1387	.0331	.1002	.2385	.2891	2.346
%RSD	.9908	170.7	34.78	61.51	54.88	.244

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30920.	77540.	41.80	.8170	168400.	1.670
SDev	257.9	772.4	.3742	.2393	1395	.4194
%RSD	.8342	.9962	.895	29.29	.8285	25.12

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.68540	.20579	.16702	.9375	-2.220	1.5807
SDev	.28158	.68494	1.2115	.2711	.0209	.53011
%RSD	41.083	332.82	725.33	28.91	.9403	33.537

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2377	8.312	-1.6454	1.1300	6.3505	-2.1429
SDev	.1798	.1881	.23879	1.1461	1.3173	1.0798
%RSD	75.65	2.263	14.513	101.42	20.743	50.392

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2215	.86026	5.0000	20221.8
SDev	.67549	1.4791	0	171.12
%RSD	55.298	171.93	0	.84621

Method: TOTAL Sample Name: HEXETL Operator: KLC
Run Time: 07/12/05 15:25 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1185	5.683	-.52126	130.8	262.3	.0942
SDev	.075	1.471	.62746	.8965	.6355	.0212
%RSD	63.29	25.88	120.37	.6854	.2423	22.53

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28620.	.0545	.1992	-.1318	.0242	195.8
SDev	65.76	.0726	.0766	.4048	.1248	1.974
%RSD	.2298	133.3	38.44	307.1	515.1	1.008

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5743.	15370.	8.476	.4426	33910.	.5829
SDev	5.15	47.54	.0728	1.01	.1657	.2732
%RSD	.0897	.3093	.8589	228.1	.0005	46.87

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2872	.43499	.24919	1.264	-.3261	.20513
SDev	.7699	.78356	1.0093	2.394	.1142	.77075
%RSD	33.661	180.13	405.02	189.4	35.01	375.72

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2886	1.875	-.06109	.68266	5.8804	.49337
SDev	.1777	.0887	1.1645	.59335	4.6797	1.1821
%RSD	61.57	4.729	1906.2	86.918	79.582	239.59

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5547	1.1498	5.0000	20311.2
SDev	.18505	1.4208	0	56.8517
%RSD	11.903	123.57	0	.2799

Method: TOTAL Sample Name: HEW2XB 5187021 Operator: KLC
Run Time: 07/12/05 15:32 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3079	15.86	-2.0524	3.463	.3639	.1021
SDev	.1034	2.876	.14051	.3445	.0033	.012
%RSD	33.58	18.13	6.8466	9.947	.8958	11.73

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	256.9	.0429	.0433	-.5208	1.029	8.365
SDev	4.425	.0518	.1486	.1791	.2255	4.618
%RSD	1.722	120.8	343.2	34.39	21.92	55.21

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.7	18.39	.3288	-.3693	-417.1	-.4641
SDev	12.46	1.111	.0136	.8796	388.2	1.06
%RSD	7.661	6.042	4.147	238.2	93.07	228.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6283	-.20625	.03194	.0112	.2464	2.1882
SDev	1.737	.34214	1.3995	1.199	.2291	.21234
%RSD	106.68	165.88	4381.1	10730	92.98	9.704

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1900	9.361	-1.7808	.57981	10.808	-2.9547
SDev	.3242	.0549	.22249	.62403	2.0757	1.568
%RSD	170.7	.5867	12.494	107.63	19.205	53.068

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6227	.85800	5.0000	20526.7
SDev	2.3952	.90236	0	64.9116
%RSD	147.61	105.17	0	.31622

Method: TOTAL Sample Name: HEW2XC Operator: KLC
Run Time: 07/12/05 15:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.755	1805.	1743.2	837.2	1731.	45.74
SDev	.2297	2.081	5.7215	1.198	2.379	.0826
%RSD	6.117	.1153	.32822	.1431	.1374	.1806

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	241.7	45.37	445.7	177.2	229.0	1023.
SDev	2.625	.0707	.039	.0738	.2255	4.05
%RSD	1.086	.1559	.0087	.0416	.0985	.3958

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	160.8	18.98	433.0	863.2	-809.6	441.6
SDev	6.545	2.13	.5163	1.163	95.16	.1271
%RSD	4.071	11.22	.1193	.1348	11.76	.0288

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1805.4	447.06	445.39	1788.	894.1	1758.6
SDev	1.5881	1.3363	.37534	2.715	.8926	2.7326
%RSD	.08796	.2989	.08427	.1518	.0998	.15538

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	431.0	456.0	442.24	449.47	1779.9	1818.1
SDev	.0926	.6585	.81692	1.5956	6.8856	5.8184
%RSD	.0215	.1444	.18472	.35499	.38685	.32002

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	442.74	446.71	5.0000	20561.4
SDev	.28175	.42206	0	11.032
%RSD	.06363	.09448	0	.05365

Method: TOTAL Sample Name: HEKLM Operator: KLC
Run Time: 07/12/05 16:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4618	5.552	2.8671	62.80	508.9	.1655
SDev	.1435	3.275	1.7981	1.29	1.428	.0067
%RSD	31.08	58.99	62.715	2.054	.2807	4.054

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	132200.	-.0002	-.3369	-.0989	5.378	4142.
SDev	363.4	.0297	.0803	.0824	.1415	13.06
%RSD	.2749	14020	23.82	83.29	2.632	.3154

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7848.	11550.	348.3	11.40	33740.	1.850
SDev	21.8	42.19	1.216	.5742	54.36	.1898
%RSD	.2778	.3653	.3491	5.037	.1611	10.26

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0265	6.5616	1.5290	-1.099	-1.716	2.9484
SDev	1.2118	.33166	.09929	.4465	.0108	2.2351
%RSD	40.041	5.0546	6.494	40.62	.6284	75.808

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.920	13.73	3.4504	8.1149	8.7814	.15333
SDev	.2801	.0508	.67534	.83441	1.8712	.88263
%RSD	9.593	.3699	19.573	10.282	21.308	575.62

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.66056	2.6221	5.0000	20334.2
SDev	.43501	.36604	0	111.723
%RSD	65.854	13.96	0	.54943

Method: TOTAL Sample Name: HEKLML Operator: KLC
Run Time: 07/12/05 16:35 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2295	.2451	.34342	12.40	101.1	.1563
SDev	.2619	.0018	.54084	.0956	.503	.0055
%RSD	114.1	.7245	157.49	.7711	.4975	3.518

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26510.	.0487	.0564	-.3800	1.001	831.4
SDev	140.5	.0433	.0778	.1293	.106	3.455
%RSD	.5299	88.96	137.8	34.04	10.6	.4155

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1563.	2296.	69.90	3.673	6701.	-.0131
SDev	5.631	15.92	.3735	.2748	.4257	.1217
%RSD	.3602	.6933	.5344	7.48	.0064	926

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1301	1.2522	1.2408	.5522	-.4077	.00179
SDev	3.1478	.30355	.05249	.291	.003	1.0629
%RSD	278.53	24.242	4.2311	52.69	.7405	59263

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6094	3.940	1.7890	.98416	2.0137	.68897
SDev	.0632	.0082	.45659	.68306	.62265	4.4084
%RSD	10.37	.2074	25.522	69.406	30.921	639.85

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.28685	2.0035	5.0000	20324.5
SDev	.57385	.3652	0	93.7621
%RSD	200.05	18.229	0	.46132

Method: TOTAL Sample Name: HEKMF Operator: KLC
Run Time: 07/12/05 16:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3481	4.848	2.8881	50.50	381.7	.1858
SDev	.2876	2.169	1.0691	1.047	2.966	.0075
%RSD	82.62	44.75	37.017	2.073	.7771	4.025

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	95610.	-.0102	.1471	-.3247	9.563	2249.
SDev	724.1	.0003	.1024	.2056	.2225	13.34
%RSD	.7574	3.279	69.61	63.33	2.326	.5932

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5597.	7660.	219.0	3.930	13990.	1.433
SDev	30.26	54.66	1.688	.4078	150	.4807
%RSD	.5407	.7136	.7707	10.38	1.072	33.53

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7589	2.4902	-.47063	-.3703	-1.055	.12714
SDev	1.1596	.69697	1.5219	.4391	.0079	3.8411
%RSD	65.928	27.988	323.36	118.6	.7531	3021

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.325	17.24	2.5948	2.4380	6.9923	-.85386
SDev	.0153	.1678	.14767	1.1187	2.2111	.63466
%RSD	.6596	.9734	5.6911	45.884	31.622	74.328

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6482	.11723	5.0000	20436.4
SDev	1.4116	2.9864	0	124.733
%RSD	85.646	2547.4	0	.61034

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 16:46 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q550.0	Q13630.	Q273.90	Q2758.	Q1107.	Q1134.
SDev	608.4	15380	300.01	2832	1234	1242
%RSD	110.6	112.9	109.53	102.7	111.5	109.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q27450.	Q281.3	Q1112.	Q1105.	Q1105.	Q13600.
SDev	30070	306.8	1222	1211	1240	14650
%RSD	109.6	109.1	109.9	109.6	112.2	107.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q27860.	Q26880.	Q1091.	Q1089.	Q26370.	Q1099.
SDev	30730	29190	1188	1192	27510	1243
%RSD	110.3	108.6	108.9	109.5	104.3	113.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q277.31	Q278.61	Q273.85	Q2776.	Q2756.	Q560.86
SDev	308.95	304.18	302.73	2992	3037	610.06
%RSD	111.41	109.18	110.55	107.8	110.2	108.77

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q1091.	Q1127.	257.25	289.28	259.44	286.23
SDev	1184	1237	327.64	292.47	326.24	300.31
%RSD	108.5	109.8	127.36	101.1	125.75	104.92

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	253.94	283.78	5.0000	33847.6
SDev	335.18	286.53	0	19299.5
%RSD	131.99	100.97	0	57.0188

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 16:53 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9819	-63.88	.39321	1.286	-.0539	-.0460
SDev	.484	124.3	1.0242	6.816	.7474	.8172
%RSD	49.29	194.6	260.46	529.9	1386	1776

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	41.64	.2702	.7911	2.807	Q-5.250	-8.514
SDev	42.64	.4281	.1522	3.524	7.985	16.36
%RSD	102.4	158.4	19.24	125.6	152.1	192.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	240.1	-1.122	.0965	1.708	Q1166.	.0502
SDev	101.9	16.7	.3783	.2544	1831	1.203
%RSD	42.43	1489	392.1	14.9	157.1	2398

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1620	.44597	-3.7717	-.8421	.2193	-.58733
SDev	1.1327	.19126	6.1424	1.92	1.201	.7877
%RSD	97.482	42.886	162.86	228	547.8	134.12

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5987	.1383	6.7449	-2.6988	11.138	-3.8188
SDev	1.146	1.414	5.7261	3.1455	11.394	3.9904
%RSD	191.4	1022	84.894	116.55	102.3	104.5

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.9606	-6.6335	5.0000	32861.3
SDev	1.7396	10.077	0	17873.3
%RSD	88.728	151.92	0	54.39

Method: TOTAL Sample Name: HEKMH Operator: KLC
Run Time: 07/12/05 16:58 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2459	3909.	4.4938	54.68	144.5	.4559
SDev	.6489	3.266	1.2316	.3748	.0418	.0238
%RSD	263.9	.0835	27.407	.6854	.0289	5.218

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	58470.	.0434	1.438	3.471	4.893	2973.
SDev	10.3	.05	.1727	.032	.036	5.42
%RSD	.0176	115.1	12.01	.923	.735	.1823

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7533.	12430.	143.0	3.814	27290.	4.820
SDev	.3687	6.299	.0996	.5103	43.72	.0963
%RSD	.0049	.0507	.0697	13.38	.1602	1.997

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1006	1.9580	.69766	-1.134	64.64	3.3129
SDev	1.0207	.03884	.15293	.346	.2069	.27449
%RSD	32.92	1.9841	21.922	30.5	.3201	8.2855

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.26	36.46	1.1699	2.3515	10.265	-.47625
SDev	.0876	.2302	.90948	.39581	1.9917	.53594
%RSD	.6603	.6315	77.742	16.833	19.403	112.53

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.1845	1.6373	5.0000	20576.7
SDev	.15636	.15122	0	43.4166
%RSD	13.201	9.2364	0	.21099

Method: TOTAL Sample Name: HEKMJ Operator: KLC
Run Time: 07/12/05 17:03 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2468	10070.	7.1751	61.24	207.0	.6832
SDev	.1027	11.12	.0227	.482	.2328	.0018
%RSD	41.6	.1104	.31643	.787	.1125	.2576

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	63060.	.3523	4.466	12.84	30.61	9098.
SDev	82.11	.0013	.0056	.3109	.0713	.317
%RSD	.1302	.3648	.1243	2.422	.233	.0035

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9325.	12770.	349.0	4.685	67340.	11.56
SDev	9.006	22.43	.6244	.8697	147.3	.9641
%RSD	.0966	.1757	.1789	18.56	.2188	8.343

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.3476	8.9180	3.2167	-1.765	167.1	1.3370
SDev	1.6392	1.3267	1.5467	1.035	.1035	2.7895
%RSD	69.826	14.877	48.084	58.62	.0619	208.64

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24.00	137.2	6.8867	9.9321	8.8750	-.91123
SDev	.6539	.4427	2.4434	.7692	4.3784	4.6435
%RSD	2.725	.3226	35.48	7.7446	49.334	509.59

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0268	4.3100	5.0000	20522.1
SDev	1.2499	2.943	0	29.5562
%RSD	121.73	68.282	0	.14402

Method: TOTAL Sample Name: ZZZZZ Operator: KLC
Run Time: 07/12/05 17:15 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	983.4	24540.	486.74	4743.	1982.	2019.
SDev	1.278	11.03	.10474	17.77	2.391	1.356
%RSD	.13	.0449	.02151	.3747	.1206	.0672

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48820.	500.9	1982.	1968.	1984.	23920.
SDev	29.76	.1834	1.235	.9374	1.857	51.6
%RSD	.061	.0366	.0623	.0476	.0936	.2157

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49600.	47780.	1942.	1942.	45790.	1997.
SDev	44.02	36.35	3.818	5.641	152.6	1.106
%RSD	.0887	.0761	.1966	.2905	.3332	.0554

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	497.61	495.86	487.48	4908.	4906.	996.41
SDev	.05004	.15567	.70581	7.705	5.892	.0501
%RSD	.01005	.03139	.14478	.157	.1201	.00502

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1931.	2013.	491.12	498.23	489.54	501.64
SDev	1.792	1.119	1.2043	.83463	2.3738	1.2601
%RSD	.0928	.0556	.24521	.16752	.4849	.2512

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.44	486.00	5.0000	20236.4
SDev	1.7307	.19414	0	26.0221
%RSD	.35288	.03994	0	.12859

Method: TOTAL Sample Name: ZZZZZ Operator: KLC
Run Time: 07/12/05 17:23 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q920.4	Q22970.	Q457.45	Q4443.	Q1858.	Q1889.
SDev	3.706	118.7	5.7282	22.46	8.661	9.279
%RSD	.4027	.517	1.2522	.5057	.4661	.4912

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q45670.	Q469.0	Q1855.	Q1842.	Q1857.	Q22380.
SDev	246.5	2.153	10.04	9.495	7.955	133.3
%RSD	.5398	.459	.5411	.5156	.4283	.5956

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q46470.	Q44690.	Q1828.	Q1820.	Q42840.	Q1874.
SDev	132.1	237.6	10.27	13.27	353.1	9.73
%RSD	.2843	.5316	.5619	.7288	.8242	.5192

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q465.50	Q462.26	Q458.00	Q4597.	Q4591.	Q936.09
SDev	.29423	1.7198	4.5538	29.37	22.27	4.8523
%RSD	.0632	.37204	.99427	.6389	.4851	.51835

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	Q1805.	Q1887.	460.42	463.18	462.64	466.93
SDev	8.418	10.3	3.5381	.81204	4.1136	2.4949
%RSD	.4663	.5459	.76845	.17532	.88916	.5343

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	459.32	457.34	5.0000	20282.1
SDev	2.5553	5.5515	0	91.2168
%RSD	.55632	1.2139	0	.44974

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 17:32 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	988.4	24830.	491.31	4830.	2007.	2034.
SDev	5.449	160.6	1.7003	7.338	11.91	12.56
%RSD	.5513	.647	.34607	.1519	.5933	.6176

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49310.	503.3	2001.	1993.	2004.	24390.
SDev	298.7	3.441	12.68	11.76	12.95	132.6
%RSD	.6058	.6836	.6338	.59	.6464	.5436

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49940.	48360.	1988.	1975.	46360.	1978.
SDev	332	266.7	10.52	9.387	351.6	15.96
%RSD	.6649	.5514	.5294	.4754	.7585	.8068

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	501.65	498.86	491.74	4948.	4976.	1004.7
SDev	2.6665	4.0681	2.6419	25.72	28.97	2.8349
%RSD	.53154	.81547	.53726	.5199	.5821	.28216

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1960.	2023.	496.00	500.29	498.18	503.38
SDev	9.413	12.3	3.891	4.1565	.67262	4.3336
%RSD	.4802	.6081	.78447	.83081	.13501	.86089

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.10	491.56	5.0000	20114.1
SDev	4.1232	1.9024	0	103.38
%RSD	.83787	.38701	0	.51396

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 17:39 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2846	19.93	-.31359	10.74	.5145	.6416
SDev	.4586	.2007	1.1736	1.838	.198	.184
%RSD	161.1	1.007	374.23	17.12	38.48	28.68

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52.62	.0027	.3248	-.0110	.2863	3.560
SDev	4.489	.0376	.2022	.4423	.1972	7.155
%RSD	8.531	1386	62.27	4015	68.86	201

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	165.1	8.779	.4450	.8861	-408.4	-.3333
SDev	10.14	3.158	.1037	.3754	114.1	.3324
%RSD	6.14	35.97	23.31	42.36	27.94	99.73

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.46571	.76934	.39146	2.515	1.308	.33318
SDev	.48226	.5745	2.1484	.2187	.5754	1.5392
%RSD	103.55	74.675	548.82	8.698	43.98	461.97

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7133	.4120	1.6836	.31287	3.3115	-2.3515
SDev	.2952	.2587	.10493	.91371	2.187	.36881
%RSD	41.39	62.8	6.2325	292.04	66.042	15.684

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6579	-.24079	5.0000	20349.7
SDev	2.8541	1.7961	0	44.2646
%RSD	172.15	745.9	0	.21751

Method: TOTAL Sample Name: HEXEN Operator: KLC
Run Time: 07/12/05 17:44 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2504	7.144	.10610	510.3	597.9	.3866
SDev	.7101	1.107	.15292	1.993	.252	.0254
%RSD	283.6	15.5	144.13	.3905	.0422	6.557

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	184900.	.0408	.2326	.6595	.4803	4009.
SDev	195.3	.0164	.2292	.0247	.2119	3.316
%RSD	.1056	40.12	98.53	3.746	44.12	.0827

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21820.	95120.	83.34	.6747	158200.	3.688
SDev	31.72	105.7	.1084	.5092	99.18	.686
%RSD	.1453	.1111	.1301	75.48	.0627	18.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5346	.68502	1.5772	1.495	-2.395	2.8419
SDev	1.5665	.02803	.05744	.6631	.0031	.99984
%RSD	61.804	4.0925	3.6423	44.37	.1278	35.183

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1915	3.739	-1.2085	1.6303	11.587	-1.9847
SDev	.1206	.0644	.02209	.05306	5.8394	.5668
%RSD	63	1.722	1.8284	3.2546	50.398	28.559

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.74814	1.9911	5.0000	20141.5
SDev	1.7806	.80286	0	23.3345
%RSD	238.01	40.322	0	.11585

Method: TOTAL Sample Name: HEXEP Operator: KLC
Run Time: 07/12/05 17:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0071	5.750	.47268	116.0	159.1	.2282
SDev	.3857	2.455	.90645	1.681	.1595	.0108
%RSD	5455	42.7	191.77	1.449	.1002	4.721

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	132200.	.0821	.5036	.2915	.3089	18860.
SDev	291.1	.0964	.1523	.3147	.0772	42.9
%RSD	.2202	117.3	30.25	108	24.99	.2275

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4432.	46920.	313.9	1.891	33250.	.5498
SDev	17.82	164.7	.5016	.759	137.8	.6727
%RSD	.4022	.3511	.1598	40.13	.4144	122.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0074	.55814	1.3246	-.6743	-1.230	.08087
SDev	1.6271	.20249	.21056	.4903	.4627	1.2154
%RSD	161.51	36.281	15.897	72.72	37.62	1503

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8074	4.850	-.22581	.94952	8.4251	-2.6958
SDev	.4778	.1753	1.2639	.93459	5.383	.24797
%RSD	59.18	3.615	559.71	98.427	63.893	9.1984

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3718	2.6708	5.0000	20261.3
SDev	.91087	.13906	0	20.223
%RSD	66.399	5.2071	0	.09981

Method: TOTAL Sample Name: HEXER Operator: KLC
Run Time: 07/12/05 17:54 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2516	62.15	4.7785	134.3	306.2	.1879
SDev	.3486	2.338	.04459	.7239	.4527	.0016
%RSD	138.6	3.763	.93317	.539	.1478	.8371

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	100200.	.1251	.4457	.0530	.4303	754.8
SDev	66.35	.1727	.0762	.0206	.3324	3.832
%RSD	.0662	138.1	17.09	38.89	77.24	.5078

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7802.	51200.	37.77	13.96	339000.	18.75
SDev	20.46	76.72	.0827	.5283	314.4	.252
%RSD	.2623	.1498	.2189	3.784	.0928	1.344

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.97051	-.45239	-.36210	-.5720	-.9049	-.19477
SDev	.07793	1.3448	.43808	.348	.0014	.64929
%RSD	8.0305	297.27	120.98	60.84	.1612	333.35

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4397	103.3	-.42497	-.46608	5.2544	-4.0783
SDev	.0601	.338	2.438	.79906	1.5487	.89004
%RSD	13.68	.3273	573.69	171.44	29.475	21.824

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.05074	-.56822	5.0000	20210.9
SDev	1.0218	1.1669	0	25.5967
%RSD	2013.5	205.37	0	.12664

Method: TOTAL Sample Name: HEXET Operator: KLC
Run Time: 07/12/05 17:59 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0260	17.65	.27753	633.2	1295.	.1973
SDev	.464	1.258	.02857	.9146	.098	.009
%RSD	1788	7.13	10.296	.1444	.0076	4.549

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	138300.	-.0092	.4851	.3783	.2294	936.8
SDev	63.15	.0102	.1786	.2482	.0504	3.231
%RSD	.0457	111	36.83	65.61	21.95	.3449

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30950.	76570.	41.32	.9163	167000.	3.090
SDev	18.85	13.92	.0402	.3842	225.9	.0545
%RSD	.0609	.0182	.0974	41.94	.1353	1.764

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3124	.68005	-.11477	.7516	-1.983	1.5888
SDev	1.3119	.32395	1.8601	.95	.3513	3.2153
%RSD	99.967	47.638	1620.6	126.4	17.71	202.37

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2153	5.806	.73813	.65105	8.9989	-2.5252
SDev	.15	.1046	1.0235	.99669	.09782	1.9181
%RSD	69.7	1.802	138.67	153.09	1.0871	75.959

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.20046	-.07199	5.0000	20131.9
SDev	1.4429	2.0684	0	8.34441
%RSD	719.78	2873	0	.04144

Method: TOTAL Sample Name: HEXETL Operator: KLC
Run Time: 07/12/05 18:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1405	.4093	.43744	125.8	258.6	.1827
SDev	.7418	2.37	.91855	.299	.1344	.0187
%RSD	527.8	579.1	209.98	.2376	.052	10.21

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28030.	.0162	.0383	-.1796	-.2279	182.9
SDev	17.02	.1101	.0509	.2	.188	4.064
%RSD	.0607	681.5	132.9	111.3	82.5	2.222

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5699.	15030.	8.252	-.4521	33090.	.2266
SDev	3.451	16.34	.0138	.5065	54.56	.2261
%RSD	.0605	.1087	.167	112	.1649	99.78

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.74741	.32603	.94619	-1.097	-.4082	-1.0207
SDev	2.6749	.14209	2.0564	.0355	.0004	.03556
%RSD	357.88	43.583	217.33	3.239	.1039	3.4844

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2165	1.644	.61893	.17979	2.8152	-2.5261
SDev	.1194	.0002	.65752	.5413	1.21	3.4062
%RSD	55.17	.0111	106.23	301.06	42.98	134.84

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.4091	.21583	5.0000	20307.5
SDev	.7525	2.7073	0	13.1519
%RSD	31.236	1254.3	0	.06476

Method: TOTAL Sample Name: HEW2XB 5187021 Operator: KLC
Run Time: 07/12/05 18:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0892	11.41	.90220	4.092	.3098	.2116
SDev	.2575	1.371	.94317	1.339	.1276	.0125
%RSD	288.5	12.01	104.54	32.71	41.17	5.892

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	245.9	-.0217	.3971	-.5573	.5593	10.83
SDev	5.259	.1197	.2988	.2662	.2128	3.901
%RSD	2.138	551	75.24	47.77	38.04	36.04

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.2	18.93	.3798	-.1977	-393.3	-1.099
SDev	1.717	2.417	.0125	.6257	6.46	1.052
%RSD	1.021	12.77	3.301	316.4	1.643	95.72

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.14171	-.32186	.14414	.2146	.3269	-.21706
SDev	1.0948	.42721	.16518	.4693	.1134	1.7292
%RSD	772.54	132.73	114.6	218.7	34.69	796.64

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1816	9.113	-.96250	-.00203	3.5857	-2.0026
SDev	.2033	.192	1.0231	.12974	.90786	1.1882
%RSD	111.9	2.107	106.29	6383.3	25.319	59.331

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.85786	.64440	5.0000	20672.9
SDev	1.6596	.58089	0	85.2782
%RSD	193.46	90.145	0	.41251

Method: TOTAL Sample Name: HEW2XC Operator: KLC
Run Time: 07/12/05 18:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L3.667	1786.	1715.7	801.9	1711.	45.34
SDev	.1421	2.615	1.1376	.9122	.1321	.0283
%RSD	3.874	.1464	.0663	.1138	.0077	.0623

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L234.8	44.97	440.1	175.1	227.2	1005.
SDev	1.316	.1276	.4573	.3417	.0733	6.987
%RSD	.5606	.2837	.1039	.1951	.0323	.6953

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L166.2	L13.91	427.0	855.9	L-826.6	441.8
SDev	11.68	1.033	.4439	2.449	119	.6938
%RSD	7.027	7.424	.104	.2862	14.39	.157

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1788.2	441.24	442.20	1769.	878.8	1742.5
SDev	.68388	1.1764	1.812	3.745	.2558	3.3452
%RSD	.03824	.26662	.40976	.2117	.0291	.19197

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	422.1	452.8	438.99	442.36	1749.1	1807.8
SDev	.0391	1.205	2.4169	.55713	.24945	1.1498
%RSD	.0093	.266	.55055	.12594	.01426	.0636

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	439.66	443.47	5.0000	20547.6
SDev	1.3775	2.0294	0	16.6874
%RSD	.3133	.45762	0	.08121

Method: TOTAL Sample Name: HEKLM Operator: KLC
Run Time: 07/12/05 18:21 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3555	6.256	4.6197	62.62	505.0	.2512
SDev	.4965	1.416	.51815	1.935	2.63	.0143
%RSD	139.7	22.64	11.216	3.09	.5206	5.711

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	130500.	.0657	.0551	-.3959	5.136	4062.
SDev	615.3	.0922	.1785	.2492	.3349	17.79
%RSD	.4713	140.3	323.9	62.96	6.521	.438

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7789.	11430.	348.7	12.15	33260.	1.379
SDev	36.42	61.93	1.749	1.474	173.8	1.505
%RSD	.4676	.5417	.5014	12.14	.5225	109.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.3940	5.3574	1.6730	-1.193	-1.474	4.2191
SDev	.4829	.24124	.1844	.3872	.3415	1.1471
%RSD	10.99	4.5029	11.022	32.45	23.16	27.189

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.699	13.72	4.6533	5.7089	10.663	1.2644
SDev	.4373	.1489	1.4289	1.0751	5.0776	1.811
%RSD	16.2	1.085	30.707	18.831	47.62	143.24

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.39632	2.7062	5.0000	20281.9
SDev	4.0982	2.3225	0	74.5279
%RSD	1034.1	85.822	0	.36746

Method: TOTAL Sample Name: HEKLML Operator: KLC
Run Time: 07/12/05 18:26 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1435	7.562	1.9522	12.17	101.1	.2404
SDev	.2546	3.243	.3618	.1433	1.082	.0091
%RSD	177.4	42.88	18.533	1.177	1.07	3.799

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26350.	.0512	.1796	-.2785	.9938	815.3
SDev	246.5	.1288	.0531	.0823	.1791	7.84
%RSD	.9352	251.5	29.54	29.53	18.03	.9615

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1562.	2283.	70.29	2.442	6710.	.2024
SDev	7.42	22.35	.7489	.024	106.8	.6372
%RSD	.475	.9791	1.065	.9838	1.591	314.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9010	1.4877	1.4162	.4214	-.4121	.13840
SDev	.2	.47902	1.9589	.0881	.0046	1.6748
%RSD	10.521	32.199	138.32	20.91	1.118	1210.1

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8245	4.132	2.6176	.92359	4.8310	.43822
SDev	.5923	.0647	.10323	.76971	.17806	.38875
%RSD	71.84	1.564	3.9439	83.339	3.6859	88.713

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3742	1.4372	5.0000	20188.2
SDev	1.4104	2.2327	0	141.138
%RSD	102.63	155.35	0	.69911

Method: TOTAL Sample Name: HEKMF Operator: KLC
Run Time: 07/12/05 18:31 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2238	8.895	2.4257	52.10	381.8	.2487
SDev	.523	.1198	.37827	.5569	.0803	.0012
%RSD	233.7	1.347	15.594	1.069	.021	.4626

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	95420.	.0502	-.2084	-.3560	9.170	2217.
SDev	20.66	.0488	.301	.2448	.0608	.1288
%RSD	.0216	97.11	144.4	68.76	.6629	.0058

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5579.	7658.	220.5	5.804	13890.	.4913
SDev	13.11	.4968	.1085	.0051	36.4	1.956
%RSD	.235	.0065	.0492	.0873	.262	398.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8887	1.9054	-.05906	-.3426	-1.626	.95152
SDev	.82341	.10576	1.187	.6251	.1138	.82175
%RSD	43.596	5.5508	2009.6	182.5	6.996	86.362

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.434	17.29	1.5500	2.0829	9.3725	-1.8475
SDev	.0276	.1805	.48165	.08189	1.2629	1.865
%RSD	1.135	1.044	31.075	3.9318	13.475	100.95

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.6760	1.2474	5.0000	20417
SDev	2.9183	.32262	0	15.2732
%RSD	109.05	25.863	0	.0748

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 18:38 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	985.4	24620.	489.50	4702.	1989.	2022.
SDev	.4105	16.1	.79478	14.28	1.419	2.107
%RSD	.0417	.0654	.16236	.3038	.0713	.1042

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48950.	502.4	1988.	1977.	1988.	23940.
SDev	61.16	.6452	1.568	2.127	2.177	64.49
%RSD	.1249	.1284	.0789	.1076	.1095	.2694

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49630.	47870.	1958.	1956.	45790.	2000.
SDev	65.71	74.79	4.794	6.496	56.46	2.623
%RSD	.1324	.1562	.2448	.332	.1233	.1312

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499.07	496.89	491.15	4923.	4907.	999.45
SDev	1.1832	1.4895	.04589	1.105	8.847	.47564
%RSD	.23707	.29977	.00934	.0224	.1803	.04759

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1931.	2018.	493.37	498.65	494.31	501.44
SDev	2.967	1.066	.19449	2.3303	.65466	2.1007
%RSD	.1536	.0528	.03942	.46732	.13244	.41892

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	492.30	490.57	5.0000	20198.4
SDev	.13025	.00379	0	40.7304
%RSD	.02645	.00077	0	.20165

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 18:45 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2442	19.83	.90820	8.727	.5545	.7389
SDev	.3071	1.868	.54226	.6218	.1317	.1582
%RSD	125.8	9.418	59.708	7.125	23.75	21.4

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	56.67	.1009	.4500	.3883	.2743	5.839
SDev	5.497	.0804	.0753	.2196	.4791	.3603
%RSD	9.7	79.71	16.74	56.55	174.7	6.17

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.1	12.42	.4567	1.053	-277.8	.0504
SDev	3.611	3.023	.1771	.3752	36.12	.2208
%RSD	2.161	24.35	38.77	35.63	13.01	438.3

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9158	-.09679	1.1029	2.145	1.871	2.0119
SDev	3.1455	.21477	.35828	.3415	.4579	.80927
%RSD	164.19	221.88	32.485	15.92	24.47	40.224

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4993	.4091	-.26735	-.01164	5.4279	.16239
SDev	.1768	.3106	.26593	.18923	3.2426	3.097
%RSD	35.4	75.92	99.467	1625.2	59.74	1907.1

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0164	2.1610	5.0000	20472.1
SDev	1.912	.41739	0	19.375
%RSD	188.12	19.315	0	.09464

Method: TOTAL Sample Name: HEKMH Operator: KLC
Run Time: 07/12/05 18:50 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0880	3892.	4.2877	55.08	143.4	.5503
SDev	.3338	3.149	.57893	.992	.2101	.017
%RSD	379.4	.0809	13.502	1.801	.1465	3.08

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	57970.	.0662	1.809	3.722	4.745	2923.
SDev	78.14	.0453	.0993	.2001	.6604	8.811
%RSD	.1348	68.49	5.49	5.375	13.92	.3014

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7469.	12350.	143.4	3.108	26960.	4.588
SDev	10.82	20.73	.3642	.2517	47.75	.441
%RSD	.1449	.1678	.254	8.099	.1771	9.612

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.1566	2.5922	1.2133	-.4290	64.76	2.5986
SDev	2.7958	.18613	1.8611	.3777	.0244	2.5043
%RSD	54.219	7.1808	153.4	88.06	.0377	96.369

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.98	36.44	-.11112	3.9418	9.3666	3.0548
SDev	.1712	.0351	.94296	.74984	1.1235	3.6307
%RSD	1.319	.0963	848.57	19.023	11.995	118.85

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.08113	1.8595	5.0000	20565.9
SDev	1.4113	3.4948	0	7.77817
%RSD	1739.4	187.95	0	.03782

Method: TOTAL Sample Name: HEKMJ Operator: KLC
Run Time: 07/12/05 18:55 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0294	10020.	6.1798	61.97	205.8	.7322
SDev	.5944	10.09	.28832	.0122	.1779	.017
%RSD	2020	.1008	4.6655	.0198	.0864	2.328

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62360.	.3250	4.715	12.64	29.83	8930.
SDev	91.28	.1161	.2086	.2486	.44	29.78
%RSD	.1464	35.73	4.425	1.967	1.475	.3335

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9280.	12640.	349.2	5.394	66750.	11.09
SDev	.3563	20.12	.5488	.1126	30.91	.5262
%RSD	.0038	.1592	.1571	2.088	.0463	4.746

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3932	8.1207	2.7764	.3557	166.2	1.2265
SDev	.82642	1.4226	2.5281	.5222	1.504	1.9757
%RSD	59.32	17.519	91.057	146.8	.905	161.09

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.46	136.0	7.0380	8.6612	8.3677	-2.0889
SDev	.3119	.0777	.66982	1.7985	.10379	1.2908
%RSD	1.329	.0571	9.5173	20.765	1.2404	61.795

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.87272	3.7268	5.0000	20519
SDev	1.9944	2.7945	0	40.7291
%RSD	228.53	74.985	0	.19849

Method: TOTAL Sample Name: HEKMK Operator: KLC
Run Time: 07/12/05 18:59 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4801	29.53	271.20	92.13	5.132	.2527
SDev	.3244	3.147	1.2138	.6648	.0334	.018
%RSD	67.57	10.66	.44756	.7216	.6503	7.126

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11690.	-.0505	2.554	26.41	8.365	1958.
SDev	35.82	.123	.2826	.2298	.4546	3.137
%RSD	.3064	243.4	11.06	.8701	5.435	.1602

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15560.	25190.	160.7	21.61	H782400.	18.58
SDev	63.91	74.29	.4656	.77	1842	.0023
%RSD	.4107	.2949	.2897	3.563	.2355	.0126

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.5677	.73063	-1.1651	-.8293	.2467	.86711
SDev	.34438	.10055	1.0117	.2476	0	.31367
%RSD	7.5396	13.763	86.836	29.86	0	36.174

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.076	-3.019	-.12891	1.1598	11.038	1.3376
SDev	.1215	.0675	2.3814	1.3397	4.2473	1.6042
%RSD	1.999	2.237	1847.3	115.51	38.481	119.93

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2645	-1.1155	5.0000	19985.6
SDev	1.8038	.61629	0	2.26357
%RSD	142.65	55.249	0	.01132

Method: TOTAL Sample Name: HEKMM Operator: KLC
Run Time: 07/12/05 19:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0738	35.66	18.466	83.82	17.73	.2633
SDev	.1981	.3904	.95023	1.283	.0356	.0174
%RSD	268.3	1.095	5.1459	1.531	.2007	6.596

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	126800.	.0254	1.671	1.182	50.38	4653.
SDev	107.4	.1025	.0259	.359	.3682	3.365
%RSD	.0847	402.9	1.549	30.36	.731	.0723

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10800.	18760.	311.2	6.801	128700.	6.184
SDev	22.45	.2279	.2376	.7651	144.1	1.523
%RSD	.2079	.0012	.0763	11.25	.112	24.63

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4824	5.0278	.61459	-.3978	-1.317	.70793
SDev	.0372	.43073	1.0549	2.486	.349	.28711
%RSD	2.51	8.5672	171.65	625.1	26.5	40.556

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.000	9.677	5.6548	4.7147	8.0114	-1.7773
SDev	.3895	.0231	1.4788	.09251	3.1513	1.6291
%RSD	38.94	.2387	26.151	1.9622	39.336	91.662

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.38105	.73119	5.0000	20203.3
SDev	1.5104	.82757	0	2.12132
%RSD	396.37	113.18	0	.01049

Method: TOTAL Sample Name: HEKMP Operator: KLC
Run Time: 07/12/05 19:09 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4585	25.79	1.0149	50.43	823.1	.2803
SDev	.0505	1.301	.11585	1.765	7.241	.0017
%RSD	11.01	5.045	11.416	3.5	.8797	.5913

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167500.	.1282	1.236	2.088	116.4	26090.
SDev	1361	.0411	.1735	.1328	1.747	226.1
%RSD	.8122	32.04	14.04	6.361	1.502	.8666

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7414.	15590.	511.3	3.770	41930.	18.27
SDev	52.9	134.4	4.304	.4807	358.9	.3446
%RSD	.7135	.8621	.8418	12.75	.856	1.887

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.62098	16.771	.76613	4.253	-2.140	-.08794
SDev	.20037	.93518	2.2984	.2775	.3629	1.8984
%RSD	32.267	5.5764	300	6.525	16.96	2158.6

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.358	39.41	14.088	18.110	5.9250	-2.0271
SDev	.3822	.3641	1.2968	.75464	.8336	.71659
%RSD	28.13	.9238	9.205	4.1671	14.069	35.351

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.74345	1.5198	5.0000	20212.2
SDev	1.1764	2.8586	0	118.229
%RSD	158.24	188.09	0	.58493

Method: TOTAL Sample Name: HEL4R Operator: KLC
Run Time: 07/12/05 19:14 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1798	26.82	.85978	34.63	26.16	.2527
SDev	.0652	4.451	1.151	.2074	.0639	.0014
%RSD	36.25	16.6	133.87	.599	.2442	.5675

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	77670.	.1924	-.1385	.0035	.8374	9.650
SDev	40.18	.0153	.1016	.4238	.2395	5.723
%RSD	.0517	7.938	73.38	11950	28.6	59.31

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12650.	14440.	13.54	.5261	22560.	.6535
SDev	19.34	12.08	.0003	.6295	13.21	.5066
%RSD	.1528	.0837	.0026	119.7	.0586	77.52

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2695	.40681	1.1551	-1.763	-1.058	-.28765
SDev	.10697	1.3113	1.2318	.3475	.0015	2.3398
%RSD	8.4264	322.33	106.65	19.71	.1403	813.41

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3792	9.901	-.81378	1.0162	5.1628	-.67414
SDev	.1181	.0589	.37153	1.7805	.59032	.13433
%RSD	31.16	.5951	45.656	175.21	11.434	19.926

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.89846	2.1803	5.0000	20382.2
SDev	.57309	2.1329	0	23.1923
%RSD	63.786	97.829	0	.11378

Method: TOTAL Sample Name: HEL5W Operator: KLC
Run Time: 07/12/05 19:19 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2118	96.66	-1.0132	11.61	26.06	.2734
SDev	1.011	.0175	.59273	.1788	.2039	.032
%RSD	477.2	.0181	58.503	1.54	.7825	11.69

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7128.	.3812	.4676	.1461	2.009	119.8
SDev	37.99	.0001	.3023	.3169	.1234	1.692
%RSD	.5329	.0251	64.65	216.9	6.143	1.413

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1129.	10280.	17.77	.3467	14900.	3.423
SDev	8.163	40.12	.1196	1.131	126.9	.7485
%RSD	.7231	.3903	.6731	326.2	.8514	21.87

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.8887	-.13501	-.67812	-.6129	.3285	1.8697
SDev	.23967	.49558	.64691	1.556	.1157	1.2528
%RSD	6.1633	367.05	95.398	253.9	35.21	67.005

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2890	34.81	-.57568	.08498	8.7086	1.4824
SDev	.1172	.0873	.11445	.68585	2.3311	.80445
%RSD	40.54	.2508	19.882	807.03	26.767	54.267

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.3835	.17327	5.0000	20384.4
SDev	.64801	.64636	0	79.196
%RSD	27.188	373.03	0	.38851

Method: TOTAL Sample Name: HEL50 Operator: KLC
Run Time: 07/12/05 19:24 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2920	20.60	-.66639	46.92	84.81	.2810
SDev	.6648	1.876	.60392	.1325	.4408	.0001
%RSD	227.7	9.106	90.626	.2824	.5197	.0424

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14480.	.4114	.6453	.4138	3.486	31.15
SDev	61.06	.004	.4036	.3336	.1781	.3531
%RSD	.4216	.9776	62.55	80.62	5.11	1.134

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4849.	9232.	49.92	-.2761	19420.	3.824
SDev	28.67	37.86	.2316	.5055	87.44	.5035
%RSD	.5912	.4101	.4639	183.1	.4502	13.17

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.9724	.21834	.19183	-1.542	.2467	1.5198
SDev	.08974	.58531	.10397	.2432	0	.96189
%RSD	2.2592	268.06	54.197	15.77	0	63.289

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3339	34.60	.01025	.32224	12.522	-.29611
SDev	.0595	.2433	.77527	1.2646	.88442	.57609
%RSD	17.82	.7031	7562.9	392.44	7.0629	194.55

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.73637	.65525	5.0000	20360.9
SDev	.67347	.18035	0	1.55508
%RSD	91.457	27.524	0	.00763

Method: TOTAL Sample Name: HEL52 Operator: KLC
Run Time: 07/12/05 19:28 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3108	6015.	-.56109	24.44	13.89	.4342
SDev	.1398	4.146	.13964	.3132	.003	.0057
%RSD	44.97	.0689	24.888	1.282	.0218	1.306

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51300.	.2907	10.25	.3485	5.017	18.85
SDev	73.77	.018	.0701	.2167	.3025	8.106
%RSD	.1438	6.206	.6841	62.18	6.029	43

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6003.	7839.	964.8	-.0193	10820.	18.02
SDev	8.103	5.991	2.103	.8735	3.698	.0969
%RSD	.135	.0764	.218	4529	.0342	.5374

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8326	.71232	-.01360	-.9417	-.3996	2.1167
SDev	1.4219	.84074	.41668	1.304	.0013	.18449
%RSD	77.593	118.03	3062.4	138.5	.3335	8.7161

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1701	35.40	.06056	1.0377	7.4783	-.98605
SDev	.294	.2083	1.0303	.74611	6.4864	1.1065
%RSD	172.8	.5885	1701.2	71.899	86.736	112.21

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.9159	.93611	5.0000	20576.8
SDev	.48685	.86777	0	42.4264
%RSD	25.412	92.7	0	.20618

Method: TOTAL Sample Name: HEL55 Operator: KLC
Run Time: 07/12/05 19:33 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3914	78.21	1.0479	48.02	50.71	.2623
SDev	.2313	1.979	.76527	.6416	.4511	.0004
%RSD	59.09	2.531	73.031	1.336	.8896	.1467

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	81230.	-.0705	.1460	-.1102	-.1127	1022.
SDev	733.5	.0033	.0021	.1032	.2767	7.656
%RSD	.903	4.643	1.464	93.61	245.5	.7493

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6535.	43940.	8.442	2.152	70530.	-.2920
SDev	38.82	415.4	.0608	.1052	416.9	.2683
%RSD	.594	.9454	.7205	4.886	.5912	91.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0197	1.0239	.37557	-.7806	-1.306	-.56689
SDev	1.1076	.11081	1.017	.8956	.3365	.0095
%RSD	108.62	10.823	270.77	114.7	25.76	1.6768

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3208	3.215	-.48832	1.7790	8.7587	-2.8440
SDev	.4156	.018	.18111	.07572	3.7798	.22643
%RSD	129.6	.5613	37.089	4.2567	43.154	7.962

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3306	1.2274	5.0000	20323.9
SDev	1.5051	.77327	0	138.734
%RSD	113.11	63.002	0	.68261

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 19:40 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	996.9	24880.	492.69	4728.	2004.	2042.
SDev	1.895	66.41	1.8229	13.31	5.274	5.112
%RSD	.1901	.2669	.36998	.2815	.2631	.2503

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49350.	507.6	2007.	1994.	2010.	24050.
SDev	130.3	1.589	5.342	5.94	3.354	81.47
%RSD	.264	.313	.2662	.2979	.1669	.3387

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50090.	48420.	1979.	1981.	46120.	2025.
SDev	54.65	129.5	7.021	7.331	256.6	1.526
%RSD	.1091	.2675	.3547	.37	.5563	.0754

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.39	500.44	496.43	4973.	4949.	1005.5
SDev	2.2614	1.2675	3.4734	14.36	14.99	5.44
%RSD	.44833	.25327	.69967	.2887	.3029	.54103

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1946.	2041.	497.32	501.99	501.06	506.06
SDev	5.993	4.874	2.1178	.84301	5.0844	.85198
%RSD	.308	.2389	.42583	.16793	1.0147	.16835

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	497.92	495.68	5.0000	20240.2
SDev	1.9586	4.2296	0	57.9828
%RSD	.39336	.85328	0	.28647

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 19:47 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8763	2.411	-.08233	6.135	.5881	.8285
SDev	.3197	5.387	.14018	.139	.2353	.198
%RSD	36.48	223.4	170.25	2.265	40.01	23.9

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26.69	.0741	.9150	.2286	.0560	6.348
SDev	5.429	.0659	.0763	.0213	.5036	.3641
%RSD	20.35	88.88	8.339	9.3	899.2	5.735

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	170.5	15.22	.5507	2.055	-288.6	-.0518
SDev	2.957	5.705	.1719	.7624	90.62	.3915
%RSD	1.734	37.48	31.22	37.1	31.4	755.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.03116	-.18524	1.1734	2.426	1.720	.59060
SDev	4.6001	.41844	.4794	1.536	.4641	.88832
%RSD	14763	225.88	40.854	63.31	26.98	150.41

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.011	.9566	1.7688	-1.1608	4.1130	-2.0067
SDev	.418	.204	.66919	.29326	6.4199	3.6916
%RSD	41.37	21.33	37.834	25.264	156.09	183.96

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3207	1.0999	5.0000	20310.3
SDev	.68485	.37682	0	14.5661
%RSD	51.856	34.259	0	.07171

Method: TOTAL Sample Name: HEL57 Operator: KLC
Run Time: 07/12/05 19:52 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1737	26.20	2.5927	137.8	41.67	.3926
SDev	.4477	.5869	1.4826	1.648	.0924	.0252
%RSD	257.7	2.24	57.185	1.196	.2216	6.415

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	103000.	.0119	1.142	-.0479	.4779	13.39
SDev	34.41	.0156	.0006	.043	.1221	4.639
%RSD	.0334	130.5	.0535	89.87	25.54	34.63

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4496.	25250.	93.31	5.862	20990.	4.273
SDev	10.36	17.38	.0637	.3842	32.65	.1734
%RSD	.2305	.0688	.0683	6.555	.1556	4.058

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5163	-.44028	4.0344	1.759	-1.054	2.7030
SDev	1.7082	.1584	.46955	.3498	.0013	2.1855
%RSD	112.66	35.978	11.639	19.89	.1186	80.854

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0635	6.260	-.31381	-.50342	7.5956	-1.5188
SDev	.0295	.1429	.0792	.27703	4.2245	.45198
%RSD	46.44	2.283	25.239	55.03	55.618	29.76

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.8309	4.1359	5.0000	20445.7
SDev	.34469	.53189	0	19.6567
%RSD	8.9978	12.86	0	.09614

Method: TOTAL Sample Name: HEL6A Operator: KLC
Run Time: 07/12/05 19:57 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1522	4462.	1.4402	19.23	10.27	.5963
SDev	.0641	6.603	.13095	1.564	.0343	.0308
%RSD	42.14	.148	9.0927	8.133	.3337	5.164

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24980.	.0099	.5736	.7444	2.126	770.4
SDev	44.41	.1153	.1002	.0285	.399	1.14
%RSD	.1778	1168	17.47	3.826	18.77	.148

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2096.	4881.	22.09	1.050	29670.	1.058
SDev	7.527	5.175	.0788	.1187	320.5	.101
%RSD	.3592	.106	.3566	11.3	1.08	9.545

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.4235	.62867	1.1105	.0815	12.20	.96119
SDev	2.2298	.28886	.20785	.5571	.4196	1.2118
%RSD	50.409	45.948	18.717	683.6	3.438	126.07

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.099	10.04	-.01480	.94992	11.104	1.0883
SDev	.0628	.1266	.4666	.66603	1.5387	2.5749
%RSD	5.715	1.261	3151.9	70.114	13.857	236.6

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2323	2.2802	5.0000	20577.8
SDev	.66181	.64204	0	64.4876
%RSD	53.706	28.158	0	.31338

Method: TOTAL Sample Name: HEL6H Operator: KLC
Run Time: 07/12/05 20:02 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9600	40.72	1.3772	15.84	79.43	.3186
SDev	1.319	3.591	1.0222	.1868	.1066	.0093
%RSD	137.4	8.818	74.224	1.179	.1343	2.929

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45700.	.0765	.7765	.8396	.3477	16.38
SDev	205.1	.1552	.6378	.9451	.8411	15.96
%RSD	.4488	203	82.14	112.6	241.9	97.47

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1402.	9290.	.4379	1.442	23400.	1.194
SDev	24.15	38.55	.0526	1.175	325.7	1.056
%RSD	1.722	.415	12.02	81.52	1.392	88.42

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.4019	.15688	-.57031	.2941	-.0785	2.8834
SDev	2.2615	.69108	2.4393	.8352	.46	1.4584
%RSD	66.477	440.5	427.7	284	585.9	50.581

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6582	4.415	-.63413	.55180	10.509	-.14603
SDev	.6377	.0199	.80568	.63387	1.9133	2.4354
%RSD	96.89	.4504	127.05	114.87	18.207	1667.7

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.46830	-.62124	5.0000	20259.4
SDev	.36397	3.8388	0	264.74
%RSD	77.721	617.92	0	1.30674

Method: TOTAL Sample Name: HEL6N Operator: KLC
Run Time: 07/12/05 20:06 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7593	26.31	-.48206	12.03	6.425	.2770
SDev	.0106	3.236	.36693	.166	.0466	.0025
%RSD	1.398	12.3	76.118	1.38	.7251	.9055

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26030.	.0109	.2190	-.0770	-.2265	10.64
SDev	26.17	.0798	.4525	.1354	.2019	7.121
%RSD	.1005	733.5	206.7	175.8	89.15	66.94

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1394.	11190.	5.834	.0778	56570.	.1757
SDev	6.194	13.21	.0037	.7545	114.1	.5069
%RSD	.4442	.118	.0638	969.7	.2017	288.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.5609	-.54836	.49806	-.0976	-.2419	1.8736
SDev	.93695	.41229	1.9046	.2734	.0009	.665
%RSD	20.543	75.186	382.4	280.2	.3778	35.493

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0189	5.068	-1.6915	.02231	10.273	1.7093
SDev	.1478	.1228	2.2187	.48954	3.5374	3.1708
%RSD	783.7	2.422	131.17	2193.4	34.434	185.5

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.33392	.58000	5.0000	20412.4
SDev	.49333	3.1017	0	38.1838
%RSD	147.74	534.78	0	.18706

Method: TOTAL Sample Name: HEL6Q Operator: KLC
Run Time: 07/12/05 20:11 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1453	124.5	.59178	33.78	17.90	.2823
SDev	.6709	3.078	.05867	.1183	.0477	.0126
%RSD	461.7	2.473	9.9157	.3501	.2664	4.459

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	38880.	.1002	.1659	-.1248	.9584	127.5
SDev	38.93	.0162	.4263	.1142	.0366	1.795
%RSD	.1001	16.19	256.9	91.51	3.822	1.407

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2415.	8659.	14.53	-.2765	15480.	1.159
SDev	7.811	4.139	.0632	1.009	177	.79
%RSD	.3234	.0478	.4346	365	1.144	68.15

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.64940	.96499	.06238	-.4922	.4094	2.2602
SDev	.70538	1.0292	.29175	.3414	.0005	.33997
%RSD	108.62	106.65	467.7	69.36	.1116	15.042

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3293	10.68	.54617	1.1741	4.6501	-1.3479
SDev	.0575	.0959	2.0434	2.5631	.19793	1.1564
%RSD	17.45	.898	374.12	218.31	4.2566	85.788

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2134	.69932	5.0000	20440.8
SDev	1.318	1.0954	0	57.4165
%RSD	108.61	156.64	0	.28089

Method: TOTAL Sample Name: HEL63 Operator: KLC
Run Time: 07/12/05 20:16 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2457	192.7	-.21738	32.08	18.50	.2811
SDev	.251	.7566	.21891	.0419	.0466	.0081
%RSD	102.2	.3926	100.7	.1305	.2518	2.895

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	39090.	.0990	.2903	-.1733	1.345	224.9
SDev	107.5	.0266	.1505	.2642	.1203	.4835
%RSD	.2751	26.87	51.86	152.4	8.942	.215

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2437.	8697.	24.53	.1666	15470.	-.3048
SDev	1.993	19.92	.0582	.8809	59.02	.8334
%RSD	.0818	.2291	.2375	528.8	.3815	273.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.52777	.83601	1.6841	-.1535	1.221	4.6580
SDev	1.1591	.56472	.28177	1.587	.4583	1.5699
%RSD	219.62	67.55	16.731	1034	37.54	33.703

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7646	19.84	-1.9961	2.2499	8.3205	-3.3628
SDev	.1465	.0607	.91151	1.3017	1.9728	2.7227
%RSD	19.16	.3061	45.665	57.857	23.709	80.966

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2094	3.1288	5.0000	20477
SDev	.84825	.00104	0	21.2132
%RSD	70.137	.03327	0	.10359

Method: TOTAL Sample Name: HEQ0G Operator: KLC
Run Time: 07/12/05 20:21 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0750	147.0	-.22555	62.16	73.37	.2813
SDev	.0188	3.573	.41925	.5391	.0238	.0272
%RSD	25.04	2.43	185.88	.8673	.0325	9.683

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	155200.	.2534	.6291	.0152	3.074	208.8
SDev	77.04	.0286	.1775	.2011	.0045	5.823
%RSD	.0496	11.27	28.22	1327	.1474	2.789

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5636.	29200.	276.0	9.176	188700.	1.312
SDev	1.891	25.35	.1953	.8939	191.5	1.41
%RSD	.0336	.0868	.0707	9.741	.1015	107.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.35264	2.6804	-.21595	.2181	-1.068	-.31642
SDev	.78154	1.4684	1.3177	.5588	.0004	1.259
%RSD	221.62	54.783	610.18	256.2	.0396	397.88

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2082	39.85	1.3510	3.3441	4.7276	-1.8315
SDev	.1198	.1544	1.0414	2.7214	1.2265	1.784
%RSD	57.55	.3874	77.081	81.378	25.943	97.407

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.59690	-.62177	5.0000	20228
SDev	.3524	1.7996	0	6.50482
%RSD	59.038	289.44	0	.03215

Method: TOTAL Sample Name: HEQ0GS Operator: KLC
Run Time: 07/12/05 20:26 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.403	2291.	2028.3	1001.	2086.	53.60
SDev	.2315	.2443	.07967	3.813	.7839	.0045
%RSD	5.257	.0107	.00392	.3811	.0376	.0084

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	159000.	51.27	507.6	203.7	272.3	1346.
SDev	50.68	.0743	.0347	.0016	.2633	9.403
%RSD	.0319	.1449	.0068	.0008	.0967	.6984

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5856.	29990.	780.7	1015.	194100.	515.9
SDev	6.238	.6325	.2577	1.74	176.7	.1107
%RSD	.1065	.0021	.033	.1716	.091	.0215

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2081.1	506.77	527.80	2053.	1031.	2013.5
SDev	4.5339	.37485	.96506	.6077	.3041	.51815
%RSD	.21786	.07396	.18284	.0296	.0295	.02573

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493.7	558.9	502.77	508.76	2044.4	2099.4
SDev	.123	.1749	.99937	.06307	2.3339	5.6322
%RSD	.0249	.0313	.19877	.01239	.11416	.26828

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	526.12	528.64	5.0000	20182.7
SDev	.42856	1.2329	0	21.9203
%RSD	.08145	.23322	0	.1086

Method: TOTAL Sample Name: HEQ0GD Operator: KLC
Run Time: 07/12/05 20:31 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.032	2293.	2013.3	993.9	2069.	53.27
SDev	.4781	.1148	2.4251	1.162	1.949	.1063
%RSD	11.86	.005	.12045	.1169	.0942	.1996

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	158300.	51.02	504.4	202.9	270.3	1349.
SDev	304.9	.1633	.7814	.1892	.4199	7.833
%RSD	.1926	.3201	.1549	.0933	.1553	.5809

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5807.	29880.	777.1	1009.	192300.	513.0
SDev	1.468	68.98	.9272	.0871	70.29	1.21
%RSD	.0253	.2308	.1193	.0086	.0366	.2359

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2075.6	504.43	524.95	2044.	1022.	2003.5
SDev	7.1584	1.1321	2.1286	3.62	1.378	2.6384
%RSD	.34488	.22443	.40549	.177	.1348	.13169

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	490.5	554.3	499.83	506.72	2034.0	2096.4
SDev	.2562	.7157	2.5318	.43328	9.1232	6.1777
%RSD	.0522	.1291	.50652	.0855	.44853	.29468

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	522.46	526.19	5.0000	20239.2
SDev	.9194	2.7323	0	36.4864
%RSD	.17597	.51926	0	.18027

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 20:40 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1002.	25020.	493.99	4730.	2019.	2048.
SDev	2.081	68.08	1.956	27.66	6.273	6.278
%RSD	.2077	.2721	.39595	.5847	.3107	.3066

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49450.	508.3	2010.	1999.	2023.	24040.
SDev	136.6	1.328	6.22	7.648	6.828	104.7
%RSD	.2762	.2613	.3094	.3826	.3376	.4355

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50510.	48430.	1985.	1985.	46420.	2030.
SDev	81.65	169.4	8.429	10.59	46.42	1.349
%RSD	.1617	.3498	.4246	.5333	.1	.0664

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	507.20	500.91	499.02	4979.	4965.	1017.4
SDev	1.7147	.54133	.3849	18.91	19.11	2.4122
%RSD	.33806	.10806	.07713	.3797	.3848	.2371

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1950.	2049.	497.11	502.81	499.26	511.17
SDev	6.876	4.493	1.457	.08418	1.159	1.9921
%RSD	.3526	.2193	.29308	.01674	.23214	.38971

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	500.56	498.25	5.0000	20176
SDev	3.7187	1.2795	0	24.6079
%RSD	.74289	.25679	0	.12196

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 20:47 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6135	3.393	.63923	5.576	.5081	.7646
SDev	.4382	.9405	.39262	.7586	.1323	.1414
%RSD	71.42	27.72	61.421	13.61	26.05	18.5

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24.62	.0921	.6097	.1701	-.2884	7.856
SDev	4.786	.0336	.0503	.2221	.0508	.3579
%RSD	19.44	36.47	8.243	130.5	17.61	4.556

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	172.4	11.16	.4572	.9652	-256.5	.5636
SDev	3.724	2.688	.129	.2525	6.123	.1685
%RSD	2.161	24.08	28.21	26.16	2.387	29.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.95474	.25727	.92137	1.316	1.709	1.6140
SDev	1.0573	1.0537	1.1352	.4858	.4588	.39091
%RSD	110.75	409.56	123.21	36.93	26.85	24.221

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2906	.6644	.94983	-.08847	3.8595	-.49543
SDev	.2368	.1156	1.4124	2.2849	1.519	.82687
%RSD	81.48	17.41	148.7	2582.5	39.358	166.9

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.4873	2.1239	5.0000	20463.1
SDev	.58106	1.4119	0	10.6066
%RSD	39.069	66.477	0	.05183

Method: TOTAL Sample Name: HEVRHB 5186016 Operator: KLC
Run Time: 07/12/05 21:53 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1779	6.484	.09129	.2754	.1261	.3075
SDev	.0649	.7589	.88444	.015	.0673	.0058
%RSD	36.48	11.71	968.79	5.439	53.41	1.891

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.42	-.0637	.3092	-.8353	-.6607	6.095
SDev	1.08	.1734	.0253	.2206	.1974	4.95
%RSD	4.612	272.4	8.192	26.42	29.88	81.23

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	156.6	1.053	.1378	-.3734	-506.3	-.1597
SDev	8.482	.0955	.0391	.1259	95.07	.6116
%RSD	5.418	9.068	28.38	33.72	18.78	382.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1653	-.71244	-.66658	-.8453	.0052	-.11444
SDev	1.6245	.62093	.30174	.6199	.3417	.60965
%RSD	139.41	87.156	45.267	73.33	6630	532.72

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0791	4.018	-1.4515	-.34347	8.2527	-2.3731
SDev	.293	.1425	.6361	.61336	2.0826	1.3958
%RSD	370.5	3.546	43.824	178.58	25.235	58.815

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.25296	-1.1257	5.0000	20619.6
SDev	.74715	.8254	0	35.9202
%RSD	295.36	73.326	0	.1742

Method: TOTAL Sample Name: HEVRHC Operator: KLC
Run Time: 07/12/05 21:58 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L4.541	2075.	1992.0	909.8	1985.	53.10
SDev	.5006	17.19	17.343	8.708	15.21	.3866
%RSD	11.03	.8284	.87065	.9572	.7664	.728

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L35.99	52.63	511.8	204.2	262.8	1143.
SDev	1.075	.278	3.616	1.781	1.749	6.577
%RSD	2.988	.5283	.7066	.872	.6654	.5753

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L164.3	L.3318	489.6	1000.	L-882.3	522.2
SDev	7.755	2.339	3.939	10.09	91	3.009
%RSD	4.72	705	.8047	1.009	10.31	.5763

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2079.9	514.14	515.94	2059.	1018.	2030.2
SDev	.58954	2.2185	4.8213	16.22	8.021	12.792
%RSD	.02834	.43149	.93446	.7878	.7876	.63007

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	487.7	525.2	509.23	516.59	2034.3	2102.7
SDev	3.544	3.487	4.9651	.84719	4.6788	1.452
%RSD	.7267	.6638	.97503	.16399	.23	.06905

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	513.16	517.33	5.0000	20510.5
SDev	4.1849	5.139	0	80.751
%RSD	.81549	.99336	0	.3937

Method: TOTAL Sample Name: HEHNGF Operator: KLC
Run Time: 07/12/05 22:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4721	15.41	2.0222	32.77	60.48	.3387
SDev	.1382	2.525	.74614	.3278	.5119	.0331
%RSD	29.28	16.39	36.898	1	.8464	9.775

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	93400.	.0230	1.809	-.2922	-.0423	-11.89
SDev	662	.0556	.2841	.0398	.1246	1.723
%RSD	.7087	241.8	15.7	13.62	294.5	14.49

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2558.	29170.	11.63	.1727	41090.	.8233
SDev	5.319	197.8	.2098	.1214	164.1	1.08
%RSD	.2079	.678	1.804	70.28	.3994	131.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2986	.80410	.01060	.7260	-1.063	3.8014
SDev	1.058	.87964	1.264	.3961	.0059	.12452
%RSD	81.47	109.39	11914	54.56	.5593	3.2759

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1460	17.43	-1.3056	1.8574	5.9648	-1.0310
SDev	.3857	.0371	.00874	1.3232	.91507	1.1293
%RSD	264.2	.213	.67006	71.239	15.341	109.54

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0099	.52008	5.0000	20315.4
SDev	2.2677	.76292	0	92.2056
%RSD	224.56	146.69	0	.45387

Method: TOTAL Sample Name: HEHNVF Operator: KLC
Run Time: 07/12/05 22:09 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0517	22.29	.28371	1.495	.3416	.3156
SDev	.3719	3.386	.66589	.13	.0334	.009
%RSD	718.8	15.19	234.71	8.699	9.789	2.843

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	172.6	.0226	-.0814	-.1142	-.5013	-1.188
SDev	.0826	.0478	.0252	.0887	.3087	4.615
%RSD	.0478	211.6	31.01	77.7	61.59	388.4

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157.2	15.14	.1071	.0736	-396.4	-.7393
SDev	7.3	2.006	.0082	.2507	71.64	.1116
%RSD	4.643	13.25	7.661	340.8	18.07	15.09

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9915	.57436	-.19295	.2595	.3278	2.7982
SDev	.90576	.06745	.38761	.5872	.1146	.80419
%RSD	45.481	11.744	200.88	226.3	34.97	28.739

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1854	5.279	-.39432	1.0580	9.2669	-1.6408
SDev	.1474	.265	.2347	.21831	1.271	.7234
%RSD	79.52	5.019	59.522	20.635	13.716	44.09

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.67547	.04794	5.0000	20504.3
SDev	1.2508	.04333	0	5.51598
%RSD	185.18	90.402	0	.0269

Method: TOTAL Sample Name: HEHN0F Operator: KLC
Run Time: 07/12/05 22:13 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1702	15.04	.39600	41.66	52.62	.3081
SDev	.1025	2.06	.31335	.7094	.0628	.0115
%RSD	60.24	13.7	79.129	1.703	.1194	3.741

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70150.	.0036	1.643	-.2643	.4158	39.43
SDev	121.1	.0161	.2002	.0901	.0743	2.899
%RSD	.1726	451.3	12.18	34.09	17.87	7.353

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2783.	22300.	148.3	2.042	11210.	.0981
SDev	10.39	42.88	.0779	.7534	140.3	.2821
%RSD	.3735	.1923	.0526	36.9	1.251	287.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.91021	-.41791	.05196	.5925	-1.057	-.60035
SDev	1.4791	.43809	.44514	2.362	.6901	.45967
%RSD	162.5	104.83	856.7	398.6	65.29	76.568

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1447	8.251	-1.9601	.35200	5.7821	-4.2514
SDev	.0297	.0402	.5681	.37319	1.9161	1.2609
%RSD	20.55	.4877	28.984	106.02	33.139	29.658

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.93414	.54427	5.0000	20396
SDev	1.8274	.24493	0	24.0416
%RSD	195.62	45.002	0	.11787

Method: TOTAL Sample Name: HEHN1F Operator: KLC
Run Time: 07/12/05 22:18 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6058	15.63	.34228	32.21	33.95	.3097
SDev	.9488	2.565	1.6913	.3948	.0273	.0183
%RSD	156.6	16.41	494.12	1.226	.0803	5.925

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	98740.	.0225	.7732	46.46	.4371	-1.274
SDev	31.41	.1085	.7334	.4255	.8013	8.18
%RSD	.0318	481.8	94.85	.9158	183.3	642

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1726.	27290.	.2839	1.334	8097.	.9358
SDev	9.23	11.4	.1269	.7735	14.19	1.027
%RSD	.5347	.0418	44.69	57.98	.1752	109.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.8545	.39337	-1.1703	-.5562	-1.384	-1.1499
SDev	1.4832	.29904	1.3822	.9484	.4511	.28574
%RSD	51.961	76.02	118.11	170.5	32.58	24.85

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0004	8.053	.89102	.14492	11.959	-1.6908
SDev	.4169	.0391	.05602	.47631	.87811	2.6621
%RSD	93280	.4859	6.2877	328.65	7.343	157.45

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.67425	-1.4179	5.0000	20366.5
SDev	3.1978	.47579	0	133.926
%RSD	474.28	33.556	0	.65758

Method: TOTAL Sample Name: HEHN2F Operator: KLC
Run Time: 07/12/05 22:23 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2131	31.81	.96541	35.69	34.47	.3088
SDev	.6015	4.531	.42761	.0302	.4314	.0166
%RSD	282.2	14.25	44.293	.0847	1.252	5.379

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	101600.	-.0239	1.764	47.66	.3989	-2.844
SDev	1261	.0227	.1414	.513	.3789	10.4
%RSD	1.241	95	8.018	1.076	94.97	365.8

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1784.	28450.	3.115	.7813	8499.	.1663
SDev	18.29	377.3	.0522	.7323	123.5	.2508
%RSD	1.025	1.326	1.674	93.74	1.453	150.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4508	-.00121	.59874	-.5062	-1.215	1.7791
SDev	.00688	.23544	.8396	1.845	.0179	.24649
%RSD	.28072	19360	140.23	364.5	1.477	13.855

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1223	8.951	-2.2193	1.1061	5.7033	.82698
SDev	.1736	.033	2.2344	.76251	1.0651	.52142
%RSD	141.9	.3687	100.68	68.935	18.675	63.052

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.77214	1.2832	5.0000	20479
SDev	.089	1.2143	0	251.447
%RSD	11.527	94.636	0	1.22782

Method: TOTAL Sample Name: HEHN9F Operator: KLC
Run Time: 07/12/05 22:28 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3260	11.67	.11253	49.61	72.87	.3008
SDev	.0283	2.474	1.2514	1.265	.286	.0001
%RSD	8.67	21.2	1112	2.55	.3925	.036

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	101800.	.0241	.9659	-.4692	11.24	-7.526
SDev	166.8	.0633	.1511	.022	.0065	8.566
%RSD	.1639	262.7	15.65	4.691	.0578	113.8

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2269.	30990.	858.3	1.327	10800.	1.994
SDev	1.653	79.41	1.216	.7562	29.17	.7275
%RSD	.0729	.2562	.1417	56.98	.2702	36.49

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7380	-.45300	-1.2393	-.5623	-1.464	1.4923
SDev	1.0807	.21173	1.8275	.381	.3462	.3864
%RSD	62.179	46.741	147.47	67.75	23.64	25.892

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3365	22.73	-2.3140	.47611	9.7413	-2.2576
SDev	.2372	.2129	2.1882	.775	1.1953	2.217
%RSD	70.48	.9367	94.561	162.78	12.27	98.2

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.88842	-2.3015	5.0000	20404
SDev	.40791	2.9436	0	5.37373
%RSD	45.914	127.9	0	.02633

Method: TOTAL Sample Name: HEHN9FS Operator: KLC
Run Time: 07/12/05 22:33 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.249	2153.	2063.2	997.5	2122.	55.29
SDev	.121	14.1	14.264	14.71	14.85	.4782
%RSD	2.849	.6552	.69134	1.474	.7	.8649

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102900.	52.69	519.0	208.8	283.4	1157.
SDev	868.4	.6079	4.024	2.248	2.865	.7507
%RSD	.8436	1.154	.7753	1.076	1.011	.0649

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2320.	31380.	1379.	1028.	10660.	529.6
SDev	14.01	307.5	10.86	4.805	38.99	6.062
%RSD	.6038	.9798	.7875	.4675	.3659	1.144

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2114.3	514.56	534.99	2104.	1050.	2065.4
SDev	6.0924	1.1823	4.082	22.12	7.604	13.921
%RSD	.28815	.22976	.763	1.051	.7244	.67404

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	502.2	555.6	508.76	517.46	2053.5	2144.6
SDev	4.076	4.417	1.0044	1.2711	18.424	18.332
%RSD	.8116	.7949	.19741	.24564	.8972	.85482

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	530.18	537.40	5.0000	20235.1
SDev	.66899	5.7859	0	56.9925
%RSD	.12618	1.0767	0	.28165

Method: TOTAL Sample Name: HEHN9FD Operator: KLC
Run Time: 07/12/05 22:38 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.384	2136.	2037.0	982.4	2100.	54.58
SDev	.3246	9.052	11.882	5.581	10.65	.2087
%RSD	7.404	.4238	.58328	.5681	.5073	.3823

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	104100.	52.05	513.2	207.1	280.3	1155.
SDev	450.7	.0724	2.684	.117	1.669	.584
%RSD	.4327	.1391	.523	.0565	.5956	.0506

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2352.	31710.	1388.	1020.	10810.	524.5
SDev	12.55	119.9	8.03	6.545	234.5	1.144
%RSD	.5335	.3782	.5783	.6418	2.169	.218

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2092.7	508.89	527.77	2079.	1038.	2042.3
SDev	19.93	1.2591	4.974	8.62	5.08	15.673
%RSD	.95235	.24743	.94244	.4147	.4894	.76744

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	496.5	555.5	503.34	511.66	2051.7	2113.2
SDev	2.601	3.619	3.3292	.22567	15.208	22.287
%RSD	.524	.6515	.66142	.0441	.74125	1.0547

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	525.37	528.97	5.0000	20315.1
SDev	1.8407	6.5382	0	72.2671
%RSD	.35035	1.236	0	.35573

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 22:45 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	991.9	24720.	489.77	4649.	1990.	2028.
SDev	1.221	44.27	1.4479	10.5	3.362	4.171
%RSD	.1231	.179	.29562	.2259	.1689	.2057

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48960.	504.1	1988.	1976.	1995.	23640.
SDev	105.2	1.09	4.077	5.248	2.674	63.69
%RSD	.2149	.2161	.2051	.2655	.1341	.2694

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49900.	47980.	1958.	1962.	45760.	2009.
SDev	45.41	106.4	5.462	7.961	222.1	2.43
%RSD	.091	.2218	.279	.4058	.4853	.121

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	501.76	497.11	494.70	4927.	4901.	999.33
SDev	1.2946	2.0495	.69156	.6401	12.22	3.9004
%RSD	.258	.41229	.13979	.013	.2494	.39029

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1922.	2028.	491.03	500.15	493.76	505.76
SDev	4.218	3.296	3.8341	1.1586	.65406	1.6144
%RSD	.2195	.1625	.78083	.23164	.13246	.31919

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	495.38	494.36	5.0000	20168.9
SDev	2.9301	.42603	0	55.5797
%RSD	.59148	.08618	0	.27557

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 22:53 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3236	19.62	.62280	7.473	.6963	.8401
SDev	.5312	2.196	.32968	1.923	.2666	.1787
%RSD	164.1	11.19	52.936	25.73	38.29	21.27

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	78.86	.1262	.6094	-.1743	.2810	5.085
SDev	4.575	.0292	.0001	.0436	.5874	4.272
%RSD	5.802	23.11	.01	25.04	209	84.01

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	173.5	13.73	.5889	1.588	-455.5	1.667
SDev	2.445	6.375	.1381	.1244	203.5	.6149
%RSD	1.409	46.42	23.45	7.833	44.67	36.88

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.97182	.38046	1.1828	.6314	1.872	1.7503
SDev	.08685	.50137	1.0275	.693	.4605	1.1675
%RSD	8.9378	131.78	86.869	109.8	24.6	66.705

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5417	2.178	.74787	.19702	2.1695	.37386
SDev	.0594	.4108	1.3198	.09276	.8385	.54885
%RSD	10.96	18.86	176.48	47.081	38.649	146.8

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.99839	1.2749	5.0000	20461.4
SDev	.74944	1.1663	0	10.7475
%RSD	75.065	91.483	0	.05252

Method: TOTAL Sample Name: HEHPAF Operator: KLC
Run Time: 07/12/05 22:58 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0027	8.238	-.30712	4.197	.2881	.4053
SDev	.5906	2.085	1.3682	1.466	.0369	.0204
%RSD	22180	25.31	445.5	34.94	12.8	5.037

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	66.42	-.0146	.2574	-.4627	-.5510	-2.133
SDev	.7821	.0138	.2979	.574	.0401	5.968
%RSD	1.177	94.92	115.7	124.1	7.271	279.8

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	155.6	3.144	.0918	-.1110	-326.2	-.9452
SDev	4.499	2.306	.0057	.4949	100	.7132
%RSD	2.892	73.36	6.261	445.7	30.66	75.46

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7135	.45175	.85030	.2934	.2467	2.2754
SDev	.46199	.4002	1.6504	1.072	0	1.63
%RSD	26.962	88.588	194.1	365.4	0	71.635

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1211	2.196	1.8238	-.23325	6.8751	-.86338
SDev	.1767	.046	.80243	1.0006	6.0146	2.3102
%RSD	145.9	2.095	43.997	428.99	87.484	267.57

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1256	.71288	5.0000	20646.7
SDev	.16513	2.5568	0	84.9951
%RSD	14.671	358.66	0	.41166

Method: TOTAL Sample Name: HEHPHF Operator: KLC
Run Time: 07/12/05 23:02 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2596	13.81	-.06232	37.10	121.2	.3414
SDev	.2619	.6192	.02487	1.445	.2074	.001
%RSD	100.9	4.484	39.911	3.895	.1712	.2795

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	87690.	.0203	2.554	1.985	1.099	3.071
SDev	56.42	.1014	.0266	.0197	.3244	4.286
%RSD	.0643	500.5	1.043	.9933	29.53	139.6

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2711.	23080.	487.2	1.242	10760.	.6947
SDev	2.298	7.277	.668	.1246	13.72	.7857
%RSD	.0848	.0315	.1371	10.03	.1275	113.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4868	-.43733	.18764	.4710	-1.059	1.7028
SDev	.53438	.23526	.33958	1.978	.001	.6499
%RSD	35.942	53.797	180.97	419.9	.0942	38.166

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2319	8.827	-1.0603	-.12629	4.6223	-.07858
SDev	.3264	.0143	2.0333	1.3678	1.8682	.13152
%RSD	140.7	.1617	191.76	1083.1	40.418	167.37

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3803	.97042	5.0000	20370.2
SDev	.92137	.96912	0	15.5563
%RSD	66.754	99.865	0	.07636

Method: TOTAL Sample Name: HEHPLF Operator: KLC
Run Time: 07/12/05 23:07 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8081	19.62	-.57542	71.90	71.51	.3367
SDev	.0683	.3134	.41977	2.424	.8455	.0219
%RSD	8.455	1.597	72.951	3.371	1.182	6.501

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	107500.	-.0520	3.362	.0678	1.346	42.34
SDev	1234	.0935	.027	.4547	.1425	2.145
%RSD	1.148	179.8	.8037	670.9	10.59	5.067

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2586.	28720.	425.8	1.431	25190.	2.448
SDev	17.84	355.3	5.178	1.162	27.4	.8276
%RSD	.6898	1.237	1.216	81.19	.1088	33.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.87384	-.26376	.25713	-1.016	-1.716	1.8149
SDev	.31381	.44011	.58971	1.82	.0184	3.8443
%RSD	35.912	166.86	229.34	179.2	1.075	211.82

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1288	10.32	-.57681	-.10747	6.1576	-1.7641
SDev	.1779	.1235	.89259	.21421	2.6317	.84337
%RSD	138.1	1.197	154.75	199.31	42.739	47.809

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6050	1.1868	5.0000	20331.5
SDev	1.9028	.06582	0	191.06
%RSD	118.55	5.5463	0	.93972

Method: TOTAL Sample Name: HEHPPF Operator: KLC
Run Time: 07/12/05 23:12 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6889	40.07	1.5991	38.04	77.57	.3397
SDev	.1047	.1381	.76928	1.894	.3704	.0207
%RSD	15.19	.3446	48.106	4.978	.4775	6.099

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	72800.	-.0117	2.606	-.4063	.3525	23.27
SDev	352.6	.0136	.3066	.5089	.2414	1.388
%RSD	.4843	116.1	11.77	125.2	68.48	5.966

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2147.	26240.	485.8	2.935	13540.	.4950
SDev	1.703	131.2	2.333	.0085	5.455	1.515
%RSD	.0794	.5002	.4803	.2908	.0403	306

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0869	.09184	-.91096	-.6596	-1.058	3.2026
SDev	.5095	.06624	.81573	.0379	.0028	1.4906
%RSD	24.414	72.129	89.547	5.753	.2685	46.543

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2949	10.25	-.61360	.44405	6.6635	-.19795
SDev	.1184	.0662	.18412	.0074	1.1824	.17356
%RSD	40.15	.6465	30.006	1.667	17.744	87.678

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.74247	-.99508	5.0000	20394.6
SDev	.59267	1.5189	0	44.4055
%RSD	79.825	152.64	0	.21773

Method: TOTAL Sample Name: HEHPTF Operator: KLC
Run Time: 07/12/05 23:17 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0851	15.58	-.71854	35.11	76.36	.3233
SDev	.3169	.4099	1.1843	.1319	.1405	.0175
%RSD	372.4	2.631	164.83	.3757	.1839	5.415

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70990.	.0611	.4855	-.5965	-.5674	-4.977
SDev	23.12	.0449	.2762	.3321	.2695	2.852
%RSD	.0326	73.57	56.9	55.67	47.49	57.31

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2101.	25630.	479.9	1.856	13240.	.0525
SDev	1.476	4.484	.3622	.503	24.78	.4462
%RSD	.0703	.0175	.0755	27.11	.1871	849.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9485	-.52761	1.2309	.1431	-1.054	3.4289
SDev	2.3613	.08551	.14707	1.245	.0001	1.1308
%RSD	121.18	16.207	11.948	869.7	.0119	32.98

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4824	13.40	.36532	-.97342	8.7189	-1.4316
SDev	.2073	.1802	1.3126	.52712	3.0028	2.041
%RSD	42.97	1.345	359.3	54.151	34.44	142.57

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.52370	2.1069	5.0000	20452.8
SDev	.92048	.23905	0	1.98045
%RSD	175.76	11.346	0	.00968

Method: TOTAL Sample Name: HEHQVF Operator: KLC
Run Time: 07/12/05 23:22 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1278	18.08	2.2639	33.08	117.2	.3562
SDev	.4782	5.415	.04414	.9444	.1691	.0028
%RSD	374.1	29.95	1.95	2.855	.1443	.7795

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94920.	-.0250	.1641	-.4135	-.5968	670.1
SDev	166.7	.0228	.1763	.399	.0217	5.629
%RSD	.1756	91.02	107.4	96.51	3.645	.8401

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2085.	29410.	515.6	1.431	16220.	.5002
SDev	2.318	66.64	.9032	.3845	119.5	.2751
%RSD	.1112	.2266	.1752	26.86	.7368	55

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9806	.41500	-.61446	-.9520	-1.061	.66688
SDev	2.6044	.28868	.18501	1.285	.0026	2.1256
%RSD	131.5	69.562	30.111	134.9	.2468	318.73

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5232	2.963	.62609	.30962	6.2467	-.14929
SDev	.0588	.2602	1.3053	.21886	2.433	2.69
%RSD	11.23	8.782	208.49	70.688	38.948	1801.8

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0228	-.41061	5.0000	20338.4
SDev	.76525	.65944	0	40.7304
%RSD	74.82	160.6	0	.20026

Method: TOTAL Sample Name: HEHQXF Operator: KLC
Run Time: 07/12/05 23:27 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2799	29.53	.55950	34.59	118.8	.3920
SDev	.2448	1.545	.82407	.3961	.4766	.0091
%RSD	87.48	5.232	147.29	1.145	.4011	2.328

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	95940.	.1366	4.375	.2061	-.2709	665.4
SDev	326.7	.0442	.0497	.0667	.0927	4.812
%RSD	.3405	32.37	1.136	32.38	34.2	.7232

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2119.	29790.	522.0	1.080	16450.	-.0478
SDev	5.932	93.95	2.081	.6353	3.635	.5058
%RSD	.28	.3154	.3986	58.82	.0221	1057

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0530	.70121	-.15447	-.4528	-1.230	3.1529
SDev	.42321	.62146	1.2131	2.618	.0003	1.8622
%RSD	20.614	88.628	785.28	578.1	.0268	59.062

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0665	9.746	-.34126	1.2217	7.5565	-.69465
SDev	.4178	.0282	.9843	.44032	.98371	1.1256
%RSD	628.3	.2892	288.42	36.043	13.018	162.04

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5062	.52035	5.0000	20271.2
SDev	2.9519	.34493	0	4.52575
%RSD	195.99	66.289	0	.02232

Method: TOTAL Sample Name: HEHQ4 Operator: KLC
Run Time: 07/12/05 23:32 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3869	104.7	.25794	31.30	47.49	.3654
SDev	.0829	2.66	.4211	.095	.1821	.0035
%RSD	21.43	2.54	163.25	.3034	.3834	.9489

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36410.	-.0420	.2179	-.2957	-.1019	162.8
SDev	88.41	.0518	.1517	.0862	.1181	.0231
%RSD	.2428	123.3	69.61	29.16	115.9	.0142

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2242.	14830.	192.7	1.418	8875.	2.150
SDev	2.603	44.02	.6821	1.14	199.2	.5128
%RSD	.1161	.2968	.3539	80.4	2.244	23.85

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.8224	.16822	-.57118	-.8807	.2467	1.2851
SDev	1.6208	.40318	.06839	.8348	0	1.5872
%RSD	42.402	239.66	11.973	94.79	0	123.51

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0149	8.884	-.52784	.51574	5.8031	2.8335
SDev	.3252	.2872	.50949	.85883	.83769	2.8482
%RSD	2182	3.233	96.522	166.52	14.435	100.52

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.59700	-.55830	5.0000	20414.6
SDev	1.1479	.67564	0	48.9326
%RSD	192.28	121.02	0	.23969

Method: TOTAL Sample Name: HEHQ4F Operator: KLC
Run Time: 07/12/05 23:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0303	24.32	1.2185	31.41	47.49	.3870
SDev	.0192	.2892	.50306	.4547	.6842	.0341
%RSD	63.56	1.189	41.286	1.448	1.441	8.803

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	37510.	-.0041	.5022	-.0803	-.2163	9.359
SDev	503	.0143	.0999	.1186	.4507	1.724
%RSD	1.341	346.5	19.88	147.6	208.4	18.42

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2294.	15280.	182.4	1.233	9298.	2.136
SDev	24.83	209.2	2.377	.1004	23.89	1.011
%RSD	1.082	1.369	1.303	8.146	.2569	47.33

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.67489	.18896	-.29499	-.6119	-.4036	2.8782
SDev	.34585	.48311	1.4303	.5365	.0074	1.3848
%RSD	51.246	255.66	484.86	87.69	1.844	48.113

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2065	5.523	-.50800	.53693	8.3626	-3.1632
SDev	.114	.0607	.65155	1.0496	1.3485	1.1918
%RSD	55.19	1.1	128.26	195.48	16.125	37.676

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.07278	-.40592	5.0000	20451.9
SDev	1.0612	1.6146	0	234.052
%RSD	1458	397.75	0	1.1444

Method: TOTAL Sample Name: HEHQ8 Operator: KLC
Run Time: 07/12/05 23:41 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3768	120.9	.26193	29.78	47.86	.3903
SDev	.0097	2.589	1.0263	3.152	.008	.0075
%RSD	2.581	2.141	391.83	10.59	.0167	1.917

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36650.	-.0255	.3609	-.1906	-.1236	185.2
SDev	54.69	.0569	.1003	.0672	.4799	12.98
%RSD	.1492	223	27.78	35.26	388.2	7.011

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2200.	14790.	231.3	1.584	8851.	2.052
SDev	8.23	23.26	.5197	.6255	84.69	.2745
%RSD	.3741	.1572	.2247	39.49	.9568	13.38

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4484	-.63661	-.87995	-1.668	.2467	3.3436
SDev	2.5822	.50787	.21085	.6206	0	1.4159
%RSD	105.47	79.778	23.962	37.2	0	42.346

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4309	4.949	-2.5559	.32160	7.1134	.11939
SDev	.4418	.0736	2.0445	1.7821	5.6854	1.0329
%RSD	102.5	1.487	79.99	554.13	79.926	865.14

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.0107	-.31543	5.0000	20503.9
SDev	1.9853	.67502	0	17.3959
%RSD	98.736	214	0	.08484

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/12/05 23:49 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	989.0	24640.	486.47	4564.	1980.	2017.
SDev	.397	6.207	.97186	8.488	.0255	.6656
%RSD	.0401	.0252	.19977	.186	.0013	.033

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48510.	502.3	1974.	1959.	1991.	23160.
SDev	22.27	.3878	1.012	1.909	.1107	40.72
%RSD	.0459	.0772	.0513	.0974	.0056	.1758

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49520.	47460.	1944.	1944.	45380.	2011.
SDev	56.14	40.45	2.587	7.12	106.9	3.221
%RSD	.1134	.0852	.1331	.3663	.2355	.1602

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	500.42	493.97	492.40	4896.	4858.	993.59
SDev	3.4395	.42234	1.1728	5.195	3.62	3.9192
%RSD	.68732	.0855	.23817	.1061	.0745	.39444

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1895.	2024.	488.29	496.81	492.99	504.14
SDev	.9742	.6917	.24984	.50847	1.6224	5.9668
%RSD	.0514	.0342	.05116	.10234	.3291	1.1836

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	493.96	491.63	5.0000	20258.5
SDev	1.8074	2.6606	0	5.23286
%RSD	.36589	.54118	0	.02583

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/12/05 23:56 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0985	33.07	.69740	7.578	.5562	.8784
SDev	.1962	.2756	.72469	.4745	.1968	.1913
%RSD	199.2	.8333	103.91	6.261	35.38	21.78

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	74.18	.1300	.2189	.2184	-.2758	-2.725
SDev	4.393	.0724	.2518	.1072	.1958	1.083
%RSD	5.923	55.68	115	49.08	70.98	39.72

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	178.1	11.99	.4638	.7885	-251.8	-1.130
SDev	1.633	3.673	.1517	.4995	144.4	.5556
%RSD	.9167	30.63	32.72	63.35	57.34	49.16

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.45911	.92770	2.1650	1.515	1.303	1.7699
SDev	1.3666	.10962	.50067	.13	.5727	2.0832
%RSD	297.66	11.817	23.125	8.581	43.94	117.7

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4794	2.200	1.2078	.78785	5.0419	-1.8288
SDev	.1466	.0703	.68752	.17888	2.4655	.81801
%RSD	30.57	3.193	56.923	22.705	48.9	44.73

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.31169	3.4015	5.0000	20441.3
SDev	1.2526	.12526	0	47.093
%RSD	401.86	3.6826	0	.23038

Method: TOTAL Sample Name: HEHQ8F Operator: KLC
Run Time: 07/13/05 00:01 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0700	27.85	.50812	32.77	46.29	.4593
SDev	.0832	.5811	1.5639	.5549	.0542	.0634
%RSD	118.8	2.087	307.78	1.694	.1171	13.81

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36350.	-.0310	.2909	.0213	-.2027	28.10
SDev	28.8	.0072	.0498	.0676	.2525	1.441
%RSD	.0792	23.15	17.12	316.8	124.6	5.127

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2145.	14660.	201.5	1.219	8924.	1.762
SDev	5.091	24.36	.1205	.1276	103.4	.3279
%RSD	.2373	.1662	.0598	10.47	1.158	18.61

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.52858	.04450	-.04949	.7371	.1660	1.8874
SDev	.46117	.36985	2.1647	2.031	.1141	.44264
%RSD	87.247	830.98	4373.4	275.5	68.73	23.452

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4121	6.710	-1.3489	.74019	6.6675	-2.5363
SDev	.1182	.2254	.34386	.72617	2.3504	1.8649
%RSD	28.68	3.36	25.491	98.107	35.252	73.528

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.72378	.28714	5.0000	20585.2
SDev	2.1548	2.1696	0	23.7585
%RSD	297.72	755.57	0	.11541

Method: TOTAL Sample Name: HEHQ9 Operator: KLC
Run Time: 07/13/05 00:06 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4480	118.1	1.1969	32.07	50.10	.4052
SDev	.7535	.6297	.75382	.0605	.2753	.0111
%RSD	168.2	.533	62.982	.1887	.5495	2.736

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	37610.	-.0019	.7331	-.1423	.7731	235.7
SDev	113.7	.0134	.0258	.3963	.1149	.7197
%RSD	.3023	712.7	3.513	278.4	14.86	.3054

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2246.	15160.	259.1	1.855	9197.	3.355
SDev	2.459	47.95	1.044	1.009	183.8	1.217
%RSD	.1095	.3163	.4028	54.42	1.999	36.26

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.60911	.49924	.42403	.0663	.7338	2.7261
SDev	1.6124	.22379	.36919	.5839	.0007	3.5365
%RSD	264.71	44.825	87.068	881.3	.0995	129.73

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3885	9.873	-1.0470	1.2712	7.9092	-3.0354
SDev	.2647	.0087	.07803	.29655	1.092	2.9626
%RSD	68.12	.0876	7.4533	23.329	13.807	97.599

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.34092	.46552	5.0000	20481.7
SDev	2.8067	.84773	0	30.6887
%RSD	823.27	182.1	0	.14983

Method: TOTAL Sample Name: HEHQ9F Operator: KLC
Run Time: 07/13/05 00:11 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2988	35.07	1.2056	30.92	45.40	.3603
SDev	.2145	.2558	.00365	2.223	.1633	.0372
%RSD	71.77	.7295	.30333	7.19	.3597	10.32

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	35880.	.0811	.6802	.9514	.3990	17.42
SDev	4.337	.102	.1001	.3509	.2952	5.349
%RSD	.0121	125.8	14.72	36.88	73.97	30.71

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2146.	14460.	195.6	1.498	8759.	2.098
SDev	4.674	.2465	.1415	.5063	7.851	.2285
%RSD	.2178	.0017	.0723	33.8	.0896	10.89

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.97212	.10953	.37149	.2143	-.4029	2.8446
SDev	.79447	.43901	2.0238	.3142	.0009	.18087
%RSD	81.725	400.78	544.77	146.6	.2228	6.3585

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1442	10.55	-.13522	.23173	8.5093	-2.7908
SDev	.3845	.2165	2.1503	1.7317	4.3248	.96801
%RSD	266.6	2.051	1590.2	747.29	50.824	34.686

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.13393	.62382	5.0000	20474.2
SDev	.34606	2.8614	0	28.2843
%RSD	258.39	458.68	0	.13814

Method: TOTAL Sample Name: HET8A Operator: KLC
Run Time: 07/13/05 00:16 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1509	147.4	22.046	9282.	181.3	.3760
SDev	.7278	2.489	.82717	36.91	.7219	.0161
%RSD	482.2	1.688	3.752	.3977	.3981	4.285

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	129700.	.3169	13.50	13.48	6.793	18300.
SDev	642.4	.0571	.2233	.0265	.3723	56.24
%RSD	.4954	18	1.654	.1962	5.481	.3074

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	314800.	153500.	239.6	2.059	H964900.	93.92
SDev	2503	742.2	1.408	.1454	3348	1.225
%RSD	.795	.4834	.5875	7.064	.347	1.304

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5537	8.6860	3.1175	11.39	2.951	1.6380
SDev	3.8007	.35701	.53916	.9041	.0133	1.5482
%RSD	148.83	4.1102	17.295	7.936	.4505	94.516

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.366	108.3	7.0599	9.4979	11.729	-2.0272
SDev	.1671	.5733	.22268	.64642	8.2781	1.5654
%RSD	7.061	.5293	3.1543	6.806	70.575	77.219

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.4984	3.9258	5.0000	19677.4
SDev	2.4902	2.0516	0	96.7327
%RSD	166.2	52.259	0	.49159

Method: TOTAL Sample Name: HET8AL Operator: KLC
Run Time: 07/13/05 00:21 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1050	40.63	3.6359	1797.	35.76	.3507
SDev	.5196	1.914	1.3866	18.66	.306	.0206
%RSD	494.9	4.71	38.135	1.038	.8555	5.87

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26180.	.0392	2.642	2.734	1.199	3700.
SDev	255.9	.0053	.1602	.1689	.2035	34.28
%RSD	.9778	13.5	6.065	6.176	16.98	.9266

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62750.	29810.	47.96	.5808	211000.	18.51
SDev	654.8	329.4	.5381	.396	1758	1.134
%RSD	1.044	1.105	1.122	68.17	.8329	6.125

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2604	2.3825	1.0472	2.350	.4116	2.2752
SDev	3.6187	1.0772	1.4394	1.646	.0014	.94119
%RSD	160.09	45.215	137.45	70.01	.3364	41.367

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5178	22.35	1.8529	2.6469	8.4627	-.83602
SDev	.2157	.2114	1.0583	2.1434	4.8555	3.0012
%RSD	41.65	.9455	57.119	80.978	57.376	358.99

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5318	2.3348	5.0000	20172.6
SDev	.5996	2.4573	0	169.423
%RSD	39.143	105.25	0	.83986

Method: TOTAL Sample Name: HEXRGBT Operator: KLC
Run Time: 07/13/05 00:28 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0662	81.31	.78812	19.69	H10.68	.3686
SDev	.4403	3.565	.39181	1.954	.0479	.0154
%RSD	665.3	4.384	49.715	9.927	.4481	4.188

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	727.0	.0172	-.0439	1.953	2.182	H571.9
SDev	5.3	.0238	.3588	.0317	.0149	3.118
%RSD	.7291	138.4	816.8	1.623	.6816	.5452

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	320.6	112.4	H8.075	1.208	H1066e3	7.520
SDev	22.5	4.398	.0693	.5261	70.62	1.014
%RSD	7.018	3.911	.8581	43.54	.0066	13.48

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.0848	H6.3469	.65067	.9344	.4979	-.53419
SDev	1.9756	.43039	1.3433	.4038	.3552	2.1691
%RSD	48.365	6.7812	206.45	43.21	71.34	406.05

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6543	H49.29	6.5543	6.2434	11.818	.22382
SDev	.4592	.3525	.063	.61381	5.1405	.39559
%RSD	70.17	.7152	.96123	9.8315	43.495	176.75

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.1752	2.0615	5.0000	19916
SDev	.67711	2.352	0	84.0048
%RSD	31.129	114.09	0	.42179

Method: TOTAL Sample Name: HE3A7BT 5189042 Operator: KLC
Run Time: 07/13/05 00:33 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0318	48.14	-.70360	11.19	.1293	.3197
SDev	.1579	.3833	.29554	.6288	.0659	.0183
%RSD	495.9	.7963	42.004	5.618	51	5.723

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157.9	-.1432	-.0630	-.4435	-.6133	6.092
SDev	.1067	.0535	.0498	.1989	.0939	.7197
%RSD	.0676	37.37	79.09	44.86	15.31	11.81

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	164.4	5.339	.1233	.4263	336.2	-.1523
SDev	2.413	.8837	.0482	1.503	4.587	.1673
%RSD	1.467	16.55	39.08	352.7	1.364	109.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8125	.76114	-.17154	.4753	.2467	-1.2168
SDev	1.0257	.48709	.59141	1.103	0	.30204
%RSD	56.59	63.995	344.76	232.2	0	24.823

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2888	4.017	1.2368	.52368	4.8683	.28684
SDev	.5305	.2134	.07258	.76652	1.5217	.77801
%RSD	183.7	5.312	5.869	146.37	31.258	271.24

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.1974	.34061	5.0000	20534.9
SDev	.1894	.98124	0	7.49643
%RSD	15.818	288.08	0	.0365

Method: TOTAL Sample Name: HE3A7CT Operator: KLC
Run Time: 07/13/05 00:38 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	56.10	2136.	1983.4	925.3	2015.	53.48
SDev	.5443	18.46	14.118	3.785	14.09	.3838
%RSD	.9703	.8639	.71182	.4091	.6994	.7175

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L189.2	52.63	514.0	207.2	267.6	1148.
SDev	.8035	.4264	3.427	1.234	1.613	16.01
%RSD	.4248	.8102	.6667	.5956	.6028	1.394

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L167.7	L5.571	499.3	999.5	L-670.9	508.7
SDev	.8386	4.485	3.245	3.104	18.82	4.185
%RSD	.5	80.52	.65	.3106	2.806	.8226

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2021.0	515.74	510.01	2043.	1028.	2035.7
SDev	16.229	3.4811	3.2365	11.34	6.294	7.6383
%RSD	.80303	.67497	.6346	.555	.6122	.37522

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493.4	526.4	510.95	518.13	1968.5	2047.2
SDev	3.489	4.604	2.4471	3.9973	15.151	16.768
%RSD	.7071	.8746	.47892	.77148	.76964	.81906

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	508.34	510.85	5.0000	20526.1
SDev	1.4771	4.1149	0	127.986
%RSD	.29057	.80551	0	.62352

Method: TOTAL Sample Name: HEJDMT Operator: KLC
Run Time: 07/13/05 00:44 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-9.141	k-10.41	3.3168	707.5	226.1	.3420
SDev	.2869	.3488	1.4316	3.581	.7045	.0007
%RSD	3.138	3.351	43.164	.5062	.3117	.2005

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	S4944e3	k.4604	.9646	.7109	1.872	21.31
SDev	2804	.0751	.0268	.3358	.0893	2.305
%RSD	.0567	16.3	2.774	47.23	4.771	10.82

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	92260.	k51320.	S96900.	176.5	H1243e3	94.29
SDev	175.9	89.97	52.14	2.275	2374	.2455
%RSD	.1906	.1753	.0538	1.289	.191	.2603

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-16.595	k-1.6138	k-7.4629	.3777	-36.25	k18.954
SDev	.19387	.1957	1.6146	1.865	.021	1.6425
%RSD	1.1683	12.127	21.635	493.7	.0579	8.6658

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	114.0	k26.17	k-1.6802	k-1.5807	k-13.164	k-18.308
SDev	.4172	.0538	.73613	.0741	5.9677	3.27
%RSD	.366	.2054	43.811	4.6883	45.335	17.862

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.5195	k-12.946	5.0000	18950.3
SDev	1.7397	1.5521	0	10.8897
%RSD	49.432	11.989	0	.05746

Method: TOTAL Sample Name: HEJDMTL Operator: KLC
Run Time: 07/13/05 00:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6098	34.41	1.2188	142.5	45.09	.3152
SDev	.323	.4138	.97208	.2447	.1971	.0254
%RSD	52.96	1.203	79.759	.1717	.4371	8.043

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	429200.	.0570	.1558	-.2823	-.0232	2.170
SDev	558	.057	.1276	.0435	.1622	5.81
%RSD	.13	100.1	81.92	15.4	698.1	267.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15260.	10750.	6630.	36.67	295600.	18.59
SDev	16.51	14.35	3.86	.5806	101.8	.0335
%RSD	.1082	.1335	.0582	1.584	.0344	.1803

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.8200	1.0686	-.05672	.6370	-6.801	.87362
SDev	1.5027	.38309	2.4252	1.266	.3632	.20519
%RSD	22.034	35.851	4275	198.7	5.34	23.488

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.28	10.80	-1.3647	2.2834	10.212	5.1267
SDev	.2335	.0467	2.2105	1.6779	3.3335	.58866
%RSD	1.003	.4325	161.98	73.486	32.644	11.482

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.41315	.12121	5.0000	20053
SDev	2.0454	2.6148	0	32.5269
%RSD	495.07	2157.1	0	.1622

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 00:56 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	989.8	24850.	487.98	4706.	1996.	2024.
SDev	.8741	23.15	4.1824	6.002	.7493	.6948
%RSD	.0883	.0932	.85709	.1276	.0375	.0343

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48830.	499.8	1972.	1968.	2004.	23370.
SDev	13.85	.1336	.4394	.8055	.0985	30.55
%RSD	.0284	.0267	.0223	.0409	.0049	.1307

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49450.	47540.	2001.	1947.	45650.	1918.
SDev	27.56	49.91	.136	5.409	28.9	10.65
%RSD	.0557	.105	.0068	.2778	.0633	.5552

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499.66	491.91	492.90	4866.	4927.	1000.6
SDev	.55818	.91579	1.4899	6.344	6.353	2.2622
%RSD	.11171	.18617	.30227	.1304	.129	.22609

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1916.	2007.	484.75	495.49	490.26	504.35
SDev	3.305	2.684	2.0789	2.4109	3.2777	2.4733
%RSD	.1725	.1337	.42885	.48657	.66856	.49038

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	494.00	492.35	5.0000	20356
SDev	.83852	1.8151	0	7.6373
%RSD	.16974	.36866	0	.03751

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 01:04 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4781	30.56	1.2993	9.318	.5921	.8368
SDev	.5264	2.77	.86115	.4002	.1964	.1742
%RSD	110.1	9.064	66.278	4.295	33.17	20.81

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	93.11	.1338	.4149	.0961	.3385	2.833
SDev	10.61	.0732	.0747	.0423	.1033	2.469
%RSD	11.39	54.69	18.02	44	30.52	87.16

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	177.2	11.21	.7791	1.655	-279.6	-.1217
SDev	.7043	1.91	.2073	.2465	35.35	.2189
%RSD	.3975	17.04	26.61	14.89	12.64	179.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7197	-.06370	-.70094	1.967	1.375	1.8012
SDev	2.6459	.54414	.40943	.1325	.4547	.32574
%RSD	153.86	854.12	58.413	6.733	33.07	18.085

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5570	2.252	1.5103	-.84952	8.0539	-1.4426
SDev	.1473	.2735	2.5991	.48177	6.288	.82766
%RSD	26.46	12.14	172.09	56.711	78.074	57.374

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0146	-.54436	5.0000	20624.4
SDev	2.7285	.74836	0	23.7599
%RSD	268.93	137.47	0	.1152

Method: TOTAL Sample Name: HEJDMTS/5 Operator: KLC
Run Time: 07/13/05 01:09 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	203.4	437.2	1007.6	327.0	9009.	10.44
SDev	.2174	1.097	3.0813	1.154	2.661	.028
%RSD	.1069	.2508	.3058	.3528	.0295	.2679

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	413100.	200.1	86.92	984.0	50.50	188.9
SDev	309.2	.3492	.1132	1.429	.5929	2.419
%RSD	.0749	.1745	.1302	.1452	1.174	1.281

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14510.	10270.	6399.	211.9	282900.	114.0
SDev	24.82	9.04	7.353	.9242	151.7	.0311
%RSD	.171	.0881	.1149	.4361	.0536	.0273

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	202.74	985.74	64.606	338.9	-6.404	393.67
SDev	.72048	1.2344	1.0727	.9238	.0048	4.4841
%RSD	.35538	.12522	1.6604	.2726	.0742	1.139

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	118.7	110.4	972.40	992.40	205.40	201.41
SDev	.0963	.0637	.73015	1.4862	.95499	1.557
%RSD	.0812	.0578	.07508	.14975	.46494	.77305

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	66.108	63.856	5.0000	19998.1
SDev	.7992	1.2092	0	14.2844
%RSD	1.2089	1.8937	0	.07142

Method: TOTAL Sample Name: HEJDMTD/5 Operator: KLC
Run Time: 07/13/05 01:14 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	214.2	454.9	1060.9	342.4	6925.	10.82
SDev	.0514	5.378	6.2076	.1366	22.35	.0122
%RSD	.024	1.182	.5851	.0399	.3227	.1129

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	439300.	210.3	93.41	1034.	53.01	198.7
SDev	933	.0372	.1978	3.254	.3375	4.75
%RSD	.2124	.0177	.2117	.3147	.6366	2.391

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15560.	10940.	6835.	221.8	301300.	119.0
SDev	21.85	24.61	18.14	.7987	684.1	.4045
%RSD	.1404	.2249	.2654	.3602	.2271	.34

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	212.63	1022.4	68.797	354.1	-6.751	414.10
SDev	1.0977	.91284	.64619	.8299	.4842	2.6925
%RSD	.51622	.08928	.93929	.2344	7.172	.65019

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	124.1	115.3	1007.8	1029.6	209.73	214.08
SDev	.0427	.2887	2.6069	.06706	1.7766	.7587
%RSD	.0344	.2504	.25866	.00651	.84709	.35439

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	68.996	68.697	5.0000	19958.3
SDev	1.0633	.43798	0	36.9104
%RSD	1.5411	.63756	0	.18493

Method: TOTAL Sample Name: HEKPQT Operator: KLC
Run Time: 07/13/05 01:20 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3335	49.81	1.9781	239.7	276.4	.3291
SDev	.2573	.8513	3.1096	.4776	.7261	.0301
%RSD	77.17	1.709	157.2	.1992	.2626	9.137

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1063e3	.0303	7.348	1.340	.5199	26.64
SDev	950.2	.009	.036	.4966	.3617	.4095
%RSD	.0894	29.82	.4903	37.06	69.57	1.537

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26850.	26200.	868.4	31.16	H1178e3	131.9
SDev	38.43	24.75	.0725	.09	1143	.4102
%RSD	.1431	.0945	.0084	.2888	.0971	.3111

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.9116	.52269	1.9613	1.396	-19.74	-1.9859
SDev	.03179	.50626	1.6891	.3347	.0269	.20786
%RSD	.53782	96.858	86.118	23.98	.1365	10.467

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.478	57.55	-.61856	1.0925	15.889	.93028
SDev	.2486	.0661	.47403	.99568	1.0622	.48263
%RSD	16.82	.1149	76.634	91.141	6.685	51.88

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.53183	2.6750	5.0000	19298.6
SDev	3.1753	4.1176	0	26.0207
%RSD	597.05	153.93	0	.13483

Method: TOTAL Sample Name: HEKP5T Operator: KLC
Run Time: 07/13/05 01:25 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1750	61.73	7.9529	230.9	454.1	.4661
SDev	.5741	.0242	.14192	.1996	2.273	.0117
%RSD	328	.0393	1.7845	.0864	.5005	2.51

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1063e3	-.0030	3.065	.9422	.5450	52.83
SDev	1670	.0921	.529	.2551	.3607	4.078
%RSD	.1572	3024	17.26	27.08	66.17	7.72

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16070.	51980.	3559.	5.615	H1116e3	12.81
SDev	118.4	154	11.61	.7914	4307	1.043
%RSD	.7367	.2963	.3262	14.09	.386	8.144

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.8559	.47666	2.0735	-.6764	-16.48	-.36524
SDev	3.4561	.3737	.85615	.9194	.0239	.08726
%RSD	39.026	78.401	41.29	135.9	.1452	23.891

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.127	21.13	.74210	.34414	20.603	2.9910
SDev	.4902	.0127	.37705	.74852	.32239	5.0207
%RSD	6.032	.0603	50.809	217.5	1.5648	167.86

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.29134	2.9633	5.0000	19281.5
SDev	.71265	1.6394	0	27.5772
%RSD	244.61	55.324	0	.14302

Method: TOTAL Sample Name: HEL6TT Operator: KLC
Run Time: 07/13/05 01:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4864	88.66	1.5814	219.2	222.5	.3508
SDev	.7651	1.092	2.032	3.003	.8064	.0111
%RSD	157.3	1.232	128.49	1.37	.3624	3.153

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1333e3	1.192	77.76	10.29	63.94	39.73
SDev	7140	.0574	.0416	.1746	1.524	1.182
%RSD	.5356	4.817	.0535	1.697	2.383	2.976

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22830.	48950.	1171.	3.845	H1136e3	19.27
SDev	42.25	252.6	5.3	1.201	2871	.0263
%RSD	.1851	.516	.4525	31.24	.2528	.1363

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.388	27.253	9.3888	-3.902	-19.86	-1.1878
SDev	.14637	.15768	2.5697	.9196	.0247	3.2249
%RSD	.71791	.5786	27.37	23.57	.1246	271.51

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1206	665.7	27.995	26.883	30.801	15.190
SDev	.2837	2.39	2.0529	1.2613	6.9517	3.6901
%RSD	235.2	.3591	7.3331	4.6918	22.57	24.293

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	11.615	8.2775	5.0000	19186.9
SDev	1.0645	4.3841	0	23.6163
%RSD	9.1653	52.964	0	.12308

Method: TOTAL Sample Name: HEKQPT Operator: KLC
Run Time: 07/13/05 01:34 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5011	1918.	-2.6429	33.00	511.5	.3187
SDev	.1602	.307	1.2045	.0015	.5526	.0094
%RSD	31.97	.016	45.573	.0046	.108	2.959

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	S4921e3	-.0931	-.4869	40.10	-.4737	90.38
SDev	158.4	.06	.324	.0222	.2396	3.065
%RSD	.0032	64.47	66.54	.0554	50.58	3.391

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	72340.	144.6	2.777	18.41	H1170e3	2.116
SDev	245.3	5.057	.0869	.1344	801.9	.4194
%RSD	.339	3.497	3.128	.7301	.0686	19.82

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.3753	24.272	2.2268	1.628	-36.08	1.6558
SDev	1.0948	1.045	.10031	.8176	.0013	.07671
%RSD	17.172	4.3053	4.505	50.23	.0037	4.6329

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	58.98	16.37	18.284	27.262	14.850	2.1446
SDev	.0932	.0689	2.0783	.52915	6.0282	1.3683
%RSD	.1581	.4209	11.366	1.941	40.595	63.8

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.57690	3.0505	5.0000	19038.7
SDev	1.3443	.52072	0	.7071
%RSD	233.01	17.071	0	.00371

Method: TOTAL Sample Name: HERQPT Operator: KLC
Run Time: 07/13/05 01:39 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1850	130200.	2.2039	4421.	166.1	.8252
SDev	.2297	383.9	.24734	5.45	.3088	.0174
%RSD	124.1	.2949	11.223	.1233	.1859	2.11

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29260.	5.364	50.62	532.4	48.40	431900.
SDev	136.9	.2054	.2249	1.873	.6383	1032
%RSD	.4677	3.829	.4442	.3519	1.319	.2389

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8374.	19180.	2582.	96.69	H1117e3	568.6
SDev	32.35	67.64	6.45	.5591	1600	6.327
%RSD	.3863	.3526	.2498	.5782	.1432	1.113

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-14.586	3872.1	682.17	60.68	5.563	-1.0364
SDev	.79552	6.8102	1.2643	1.979	.0239	2.6092
%RSD	5.4539	.17588	.18533	3.262	.4301	251.76

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.85	3283.	3818.0	3899.1	10.400	-27.060
SDev	.1568	8.599	14.951	2.7459	1.2973	.54498
%RSD	.9895	.262	.39159	.07042	12.475	2.0139

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	671.52	687.45	5.0000	20017.1
SDev	.69014	2.1839	0	90.0857
%RSD	.10277	.31768	0	.45004

Method: TOTAL Sample Name: HERQRT Operator: KLC
Run Time: 07/13/05 01:44 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2475	99690.	25.434	H32230.	155.2	.4589
SDev	.3762	51.24	.08165	32.67	.0001	.0028
%RSD	152	.0514	.32106	.1014	.0001	.6024

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H697700.	517.8	18.54	66.15	97.60	70900.
SDev	267.4	.158	.1542	.3325	.0095	46.5
%RSD	.0383	.0305	.8318	.5027	.0098	.0656

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	108400.	268400.	2815.	30.90	H1315e3	263.1
SDev	203.3	79.51	.2495	.2112	207.2	1.547
%RSD	.1874	.0296	.0089	.6834	.0158	.5879

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.6513	H18433.	530.23	45.27	-9.422	29.471
SDev	.84616	24.573	.24349	.1344	.0175	2.8296
%RSD	14.973	.13331	.04592	.2968	.1861	9.6011

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.924	H25630.	18210.	18544.	20.006	-1.5156
SDev	.1378	44.55	19.47	27.119	1.8514	2.1929
%RSD	1.739	.1738	.10692	.14623	9.2539	144.69

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	538.87	525.92	5.0000	19259.1
SDev	.89346	.81111	0	34.9314
%RSD	.1658	.15422	0	.18137

Method: TOTAL Sample Name: HERQVT Operator: KLC
Run Time: 07/13/05 01:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2674	128500.	26.498	H34800.	180.4	.4945
SDev	.681	701.1	.06269	230.7	1.075	.0377
%RSD	254.7	.5455	.23659	.663	.5958	7.624

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H779600.	595.3	17.58	63.37	78.21	50680.
SDev	5243	4.124	.1281	.1148	.5368	325.7
%RSD	.6726	.6927	.7288	.1811	.6864	.6426

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	120100.	279300.	2897.	18.04	H1429e3	266.7
SDev	824.9	2299	19.02	.3833	5851	3.45
%RSD	.6866	.823	.6567	2.125	.4095	1.294

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.9774	k79130.	325.16	44.69	-10.22	49.296
SDev	.42878	468.69	1.0899	.241	.0621	1.5798
%RSD	6.1454	.5923	.33517	.5392	.6079	3.2047

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.623	H24910.	S98547.	S69436.	22.086	-.56581
SDev	.2836	173	585.12	410.57	.03524	.66045
%RSD	5.043	.6945	.59374	.59129	.15958	116.73

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	331.08	322.21	5.0000	19059.4
SDev	.16063	1.7142	0	113.137
%RSD	.04851	.53199	0	.5936

Method: TOTAL Sample Name: HERQWT Operator: KLC
Run Time: 07/13/05 01:54 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3959	127400.	57.534	H37240.	131.4	.4964
SDev	.3583	5.977	.2592	92.52	.1811	.0092
%RSD	90.49	.0047	.45053	.2484	.1378	1.848

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H829600.	561.5	25.04	89.11	123.2	101500.
SDev	1191	.4681	.019	.5721	.4697	189.3
%RSD	.1436	.0834	.0758	.642	.3812	.1865

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	106000.	302300.	3515.	42.97	H1392e3	331.4
SDev	262.5	172.3	2.473	.0146	281.3	2.64
%RSD	.2477	.057	.0704	.0339	.0202	.7968

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.9618	13211.	1249.2	33.95	-11.56	33.651
SDev	2.4632	33.034	7.8663	.0107	.0035	1.3998
%RSD	49.643	.25005	.6297	.0314	.0302	4.1597

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11.88	H27490.	13099.	13266.	27.576	-6.3285
SDev	.5679	25.62	56.35	21.395	.32494	3.5307
%RSD	4.779	.0932	.43018	.16127	1.1783	55.791

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1250.8	1248.4	5.0000	19150
SDev	7.1212	8.2382	0	5.65685
%RSD	.56935	.65987	0	.02953

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 02:01 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1001.	25000.	489.30	4748.	2025.	2046.
SDev	.2457	55.2	.52588	14.43	4.474	3.789
%RSD	.0245	.2208	.10747	.3039	.2209	.1852

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49490.	505.8	1983.	1980.	2022.	23040.
SDev	69.05	.8917	.5062	4.403	3.427	95.04
%RSD	.1395	.1763	.0255	.2224	.1694	.4125

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49570.	47900.	1998.	1956.	46340.	1932.
SDev	57.47	80.81	4.873	8.363	106	10.46
%RSD	.1159	.1687	.2439	.4276	.2287	.5416

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	507.16	506.82	505.01	4897.	4959.	1008.5
SDev	.80358	1.5165	8.525	18.88	13.94	4.0524
%RSD	.15844	.29922	1.6881	.3856	.2812	.40182

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1918.	2029.	490.40	515.02	488.13	516.67
SDev	5.206	1.01	13.757	9.1419	11.8	7.0957
%RSD	.2714	.0498	2.8053	1.7751	2.4173	1.3734

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	499.69	507.66	5.0000	20351.8
SDev	7.2618	16.407	0	73.8222
%RSD	1.4532	3.2318	0	.36273

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 02:09 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7930	24.41	.98784	Q45.28	.6497	.9521
SDev	.6564	7.848	1.3715	3.656	.3405	.1725
%RSD	82.77	32.15	138.84	8.074	52.42	18.12

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62.16	.1064	.7886	.5478	.3737	7.887
SDev	9.757	.2449	.4538	.897	1.151	11.75
%RSD	15.7	230.2	57.54	163.8	308.1	149

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	184.5	17.32	.5319	.6981	3.337	.2085
SDev	24.19	11.1	.2246	.1365	196.6	.1258
%RSD	13.11	64.06	42.23	19.55	5893	60.35

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6360	1.3760	-.13784	1.761	1.792	1.4418
SDev	1.5727	.44946	2.2758	2.375	.584	1.8389
%RSD	96.135	32.665	1651	134.8	32.6	127.54

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7728	1.578	2.0619	1.0335	7.4247	-1.2540
SDev	.6262	.3977	.68703	1.0169	1.1058	1.8059
%RSD	81.02	25.2	33.321	98.387	14.893	144

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.8445	.71421	5.0000	20471.2
SDev	1.0762	2.8747	0	129.258
%RSD	58.345	402.5	0	.63141

Method: TOTAL Sample Name: HERQXT Operator: KLC
Run Time: 07/13/05 02:14 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1864	114300.	33.543	H37020.	215.2	.7061
SDev	.0017	224.7	1.1056	166	.3745	.0392
%RSD	.8913	.1966	3.2961	.4484	.174	5.548

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H830400.	619.5	22.81	86.07	126.8	85390.
SDev	2045	1.043	.0395	.2623	.3037	349.1
%RSD	.2463	.1683	.173	.3048	.2396	.4088

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	131400.	298000.	3315.	30.15	H1474e3	313.9
SDev	67.55	1004	10.7	.8276	2471	3.609
%RSD	.0514	.3369	.3229	2.745	.1677	1.15

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.1367	k79689.	894.85	34.58	-11.66	48.560
SDev	1.771	48.735	6.8207	1.065	.007	3.89
%RSD	21.766	.06115	.76221	3.08	.0601	8.0108

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.508	H28180.	S99059.	S70019.	24.041	.19656
SDev	.0165	22.97	60.645	42.797	5.5886	.13483
%RSD	.1739	.0815	.06122	.06112	23.246	68.598

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	902.24	891.16	5.0000	18985.1
SDev	2.7585	8.8488	0	11.1715
%RSD	.30573	.99295	0	.05884

Method: TOTAL Sample Name: HEN6XT Operator: KLC
Run Time: 07/13/05 02:19 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4156	198.8	8.2304	249.9	827.9	.4895
SDev	.4617	1.184	.13452	22.09	.9702	.0203
%RSD	111.1	.5956	1.6344	8.839	.1172	4.14

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H920600.	3.918	.0164	2.926	2.636	22.78
SDev	21.61	.0135	.0005	.3315	.2515	5.649
%RSD	.0023	.3448	3.354	11.33	9.542	24.8

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48830.	29190.	1558.	2.292	H1078e3	8.605
SDev	9.568	58.09	1.104	.1362	909.8	.3053
%RSD	.0196	.199	.0709	5.944	.0844	3.548

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.5828	31.097	3.0336	2.358	-16.21	-1.0783
SDev	1.1888	.07152	1.0648	1.135	.0176	1.5032
%RSD	13.851	.22998	35.1	48.16	.1088	139.41

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.59	32.00	29.227	32.031	19.669	3.0480
SDev	.1361	.3998	.26768	.24086	.85314	2.2082
%RSD	1.286	1.25	.91589	.75197	4.3375	72.448

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.7044	3.6972	5.0000	19398.5
SDev	1.7594	2.4748	0	20.7892
%RSD	103.23	66.935	0	.10716

Method: TOTAL Sample Name: HEN7AT Operator: KLC
Run Time: 07/13/05 02:23 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2841	72.85	7.0888	166.8	435.5	.5070
SDev	.3315	1.495	1.6349	4.267	.5543	.0208
%RSD	116.7	2.051	23.063	2.558	.1273	4.112

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H803500.	5.081	1.171	.9252	2.172	64.00
SDev	714.6	.0155	.0514	.0891	.0242	6.792
%RSD	.0889	.3044	4.395	9.629	1.115	10.61

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12350.	24450.	1897.	.7745	H984300.	10.40
SDev	34.23	51.38	1.291	1.443	746.6	.0771
%RSD	.2771	.2102	.0681	186.4	.0759	.741

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.9469	13.416	2.2749	1.804	-13.85	1.2110
SDev	4.2265	.91205	.37072	1.259	.0213	.46844
%RSD	60.841	6.798	16.296	69.77	.1537	38.684

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.270	22.86	12.485	13.882	14.856	2.9981
SDev	.0233	1.143	.20313	1.266	10.262	1.2133
%RSD	.4412	4.997	1.627	9.1199	69.076	40.47

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6037	2.6100	5.0000	19574.1
SDev	.4205	.34587	0	29.5562
%RSD	26.221	13.252	0	.15099

Method: TOTAL Sample Name: HEN7ET Operator: KLC
Run Time: 07/13/05 02:28 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1076	81.51	7.6480	194.9	395.7	.5125
SDev	.2828	.3099	.73054	.5943	1.714	.0183
%RSD	262.8	.3802	9.552	.305	.4332	3.58

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H871500.	6.078	.2605	1.305	3.408	15.33
SDev	5530	.1215	.0251	.5474	.7413	6.386
%RSD	.6345	1.999	9.616	41.95	21.75	41.67

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14020.	31000.	2022.	.9631	H1064e3	13.38
SDev	23.49	169.6	11.08	.1425	3203	.3773
%RSD	.1676	.547	.5479	14.8	.301	2.819

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.8579	13.336	1.8360	2.573	-15.14	-.73136
SDev	.34963	1.252	.6965	1.023	.2752	.94037
%RSD	4.4495	9.388	37.936	39.75	1.818	128.58

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.501	22.97	11.229	14.388	17.419	3.0846
SDev	.3152	.0297	1.4053	1.1754	.24099	.64451
%RSD	4.849	.1293	12.515	8.1695	1.3835	20.894

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.93036	2.2881	5.0000	19558
SDev	.18723	1.1377	0	108.611
%RSD	20.125	49.722	0	.55532

Method: TOTAL Sample Name: HEN7JT Operator: KLC
Run Time: 07/13/05 02:33 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0837	67.39	4.8090	101.6	847.5	.5012
SDev	.5052	1.531	.14827	1.998	2.458	.0039
%RSD	603.4	2.271	3.0833	1.966	.29	.7802

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H839200.	4.490	-.0718	.8031	2.191	11.10
SDev	1570	.0112	.1845	.4331	.104	.3872
%RSD	.1871	.25	257	53.93	4.745	3.489

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6026.	24990.	1833.	.8615	H1016e3	12.50
SDev	20.2	54.71	4.404	.5197	2449	.0224
%RSD	.3353	.2189	.2403	60.32	.241	.179

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.9568	6.7066	.71738	.9269	-14.57	-.41644
SDev	.02074	.23553	2.007	.2597	.0835	1.4747
%RSD	.29821	3.5119	279.76	28.02	.5728	354.11

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.252	12.69	5.4193	7.3493	17.579	1.6538
SDev	.1647	.0354	1.2001	.95224	1.6109	.77316
%RSD	3.873	.2789	22.144	12.957	9.1643	46.749

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.92055	.61595	5.0000	19636.4
SDev	.51674	3.267	0	48.0832
%RSD	56.134	530.39	0	.24486

Method: TOTAL Sample Name: HERA9T Operator: KLC
Run Time: 07/13/05 02:38 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2289	26.26	.65187	608.3	152.0	.4874
SDev	.3185	2.993	.81034	2.261	.2407	.0025
%RSD	139.2	11.4	124.31	.3718	.1584	.5211

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	S4959e3	.4436	.5762	.1640	-.6201	-15.61
SDev	7483	.0703	.0544	.1943	.4042	4.606
%RSD	.1509	15.85	9.437	118.4	65.18	29.51

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	58990.	60420.	12100.	76.55	H1174e3	31.90
SDev	39.4	66.84	30.45	.2518	1302	.8956
%RSD	.0668	.1106	.2516	.3289	.111	2.808

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18.342	.38156	-3.4519	-1.572	-37.77	.25083
SDev	.20141	.63774	.395	1.274	.0566	2.4563
%RSD	1.0981	167.14	11.443	81.04	.15	979.24

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	177.8	12.78	-2.9960	2.0678	26.131	14.453
SDev	.5995	.0153	.66335	1.2873	.25513	.42934
%RSD	.3372	.1198	22.141	62.254	.97636	2.9706

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.82933	-5.5893	5.0000	18890.3
SDev	.45505	.36502	0	28.1434
%RSD	54.869	6.5307	0	.14898

Method: TOTAL Sample Name: HER44T Operator: KLC
Run Time: 07/13/05 02:43 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0205	708.2	35.886	121.4	124.1	.5946
SDev	.1071	12.06	.32296	.03	1.344	.0139
%RSD	522.7	1.703	.89998	.0247	1.083	2.336

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H935500.	135.9	3.384	.5979	129.2	258.3
SDev	8533	1.41	.1603	.1935	.9241	1.212
%RSD	.9122	1.038	4.736	32.36	.7151	.4693

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2299.	9452.	1187.	5.006	H1126e3	90.98
SDev	25.13	110	12.61	.2139	8639	.5586
%RSD	1.093	1.164	1.063	4.272	.767	.614

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.1125	5.8223	712.40	1.142	-16.87	-1.1127
SDev	.26014	.51277	.80865	.2466	.146	.32592
%RSD	3.2067	8.807	.11351	21.6	.865	29.29

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.940	7185.	4.0920	6.6862	20.323	2.0163
SDev	.1426	74.15	.68599	.42629	1.2314	.22475
%RSD	7.35	1.032	16.764	6.3758	6.059	11.146

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	709.79	713.71	5.0000	19423.9
SDev	2.909	.23991	0	165.604
%RSD	.40984	.03361	0	.85257

Method: TOTAL Sample Name: HER5ET Operator: KLC
Run Time: 07/13/05 02:48 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8911	1681.	-.17559	1873.	169.9	.5042
SDev	.3159	13.03	.60033	20.28	1.215	.0014
%RSD	35.45	.775	341.88	1.082	.7151	.2723

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	354100.	.7600	40.12	130.8	893.9	1032.
SDev	2882	.0604	.688	.8994	6.327	9.626
%RSD	.8139	7.941	1.715	.6875	.7078	.9326

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3394.	199600.	766.1	24.15	H1170e3	850.6
SDev	11.46	1783	4.875	2.601	6310	2.533
%RSD	.3378	.8935	.6364	10.77	.5394	.2978

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.5003	41.583	2.9587	-.6745	-1.107	-.19015
SDev	2.7289	.4736	2.4631	.7303	.7109	.84146
%RSD	36.384	1.1389	83.249	108.3	64.21	442.51

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.581	687.7	41.616	41.567	17.010	2.7526
SDev	.1938	4.674	1.3894	.01638	.60144	4.3916
%RSD	5.411	.6797	3.3386	.03942	3.5358	159.54

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.1201	3.3774	5.0000	19615.9
SDev	2.6774	2.3561	0	119.783
%RSD	126.28	69.761	0	.61064

Method: TOTAL Sample Name: HE012B 5188027 Operator: KLC
Run Time: 07/13/05 02:56 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2302	6.384	-.61698	14.69	.2191	.4999
SDev	.3237	1.579	.71929	1.112	.0011	.0199
%RSD	140.6	24.73	116.58	7.571	.4852	3.977

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	203.3	-.0599	-.0607	.0651	.0567	8.828
SDev	18.92	.021	.1489	.0861	.325	6.692
%RSD	9.307	34.98	245.2	132.2	573.3	75.81

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	176.9	41.84	.6599	.5965	253.8	.5817
SDev	3.567	11.04	.0387	.4973	48.01	.4391
%RSD	2.016	26.38	5.871	83.36	18.92	75.48

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9002	1.1835	-.31090	18.58	.1662	-.61868
SDev	.99415	.4305	.79818	.2838	.1139	.67801
%RSD	52.318	36.375	256.73	1.527	68.53	109.59

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1826	5.926	1.6766	.93733	5.6449	.03066
SDev	.9673	.0532	1.9584	1.6232	2.4218	.28138
%RSD	529.9	.8983	116.8	173.17	42.903	917.64

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.4359	.25076	5.0000	20624.9
SDev	2.1425	2.2663	0	24.7487
%RSD	149.2	903.75	0	.11999

Method: TOTAL Sample Name: HE012C Operator: KLC
Run Time: 07/13/05 03:01 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.64	1758.	1633.8	L739.2	1687.	45.07
SDev	.4432	.0613	.48156	1.88	.3177	.0478
%RSD	.9302	.0035	.02947	.2543	.0188	.1061

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	41480.	43.32	418.5	170.2	223.5	936.1
SDev	31.07	.1269	.2474	.0289	.0287	15.11
%RSD	.0749	.293	.0591	.017	.0128	1.614

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42220.	L38900.	418.3	816.8	L38920.	418.5
SDev	68.14	17.07	.0347	2.255	15.01	1.311
%RSD	.1614	.0439	.0083	.2761	.0386	.3133

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1674.1	421.87	422.43	1681.	850.2	1687.2
SDev	7.9739	.68753	1.5692	1.905	.3752	1.7338
%RSD	.4763	.16297	.37146	.1133	.0441	.10275

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	399.2	440.7	415.92	424.83	1604.6	1708.9
SDev	.886	.2834	.298	1.1796	9.5682	7.1781
%RSD	.2219	.0643	.07165	.27765	.59629	.42005

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	422.86	422.22	5.0000	20387.1
SDev	.26421	2.4845	0	25.5981
%RSD	.06248	.58844	0	.12556

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 03:08 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1007.	24920.	489.62	4562.	2014.	2035.
SDev	3.115	92.96	.71422	11.92	7.958	1.754
%RSD	.3094	.3731	.14587	.2614	.3952	.0862

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49190.	504.9	1971.	1961.	2008.	Q22340.
SDev	7.063	.5498	2.161	3.29	12.14	47.59
%RSD	.0144	.1089	.1096	.1678	.6046	.2131

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49740.	47240.	1966.	1945.	45580.	1970.
SDev	200.2	19.51	2.998	4.998	220.4	.5274
%RSD	.4024	.0413	.1525	.257	.4836	.0268

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	503.14	497.05	498.53	4866.	4899.	1008.3
SDev	1.0672	.21501	4.9718	6.008	15.91	2.548
%RSD	.21211	.04325	.99729	.1235	.3247	.25271

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1883.	2020.	491.79	499.68	489.69	509.86
SDev	4.314	3.154	2.9594	1.7999	.64392	1.2786
%RSD	.2291	.1562	.60176	.3602	.13149	.25077

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	501.82	496.88	5.0000	20310.7
SDev	1.3684	8.1372	0	112.995
%RSD	.27269	1.6377	0	.55633

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 03:15 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6519	18.11	-.23390	14.82	.6696	Q1.091
SDev	.2521	3.778	1.5946	.0825	.2296	.1823
%RSD	38.68	20.86	681.72	.5567	34.28	16.71

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46.90	.0017	.5209	.0420	-.5033	4.838
SDev	4.102	.0341	.0251	.0912	.6463	3.913
%RSD	8.747	2053	4.827	217.1	128.4	80.88

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	171.1	14.36	.5351	.8728	-210.6	.0077
SDev	2.86	5.848	.1596	.6311	.6056	.0596
%RSD	1.672	40.73	29.82	72.31	.2875	778.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1622	.96584	1.4415	2.355	1.624	-.86409
SDev	.4705	.13541	.98611	2.027	.7999	.56313
%RSD	40.484	14.02	68.409	86.05	49.25	65.171

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4142	.5463	.30762	1.2945	4.1671	-.33798
SDev	.6477	.442	.06117	.23355	.81729	.29737
%RSD	156.4	80.91	19.887	18.043	19.613	87.984

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.25494	2.2884	5.0000	20506.3
SDev	.65338	1.1522	0	39.7388
%RSD	256.28	50.35	0	.19378

Method: TOTAL Sample Name: HEKNK Operator: KLC
Run Time: 07/13/05 03:20 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k10.74	k124500.	39.273	308.7	1185.	23.55
SDev	.4087	122.7	1.2291	1.458	.4768	.0643
%RSD	3.805	.0986	3.1296	.4722	.0403	.2731

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H933600.	k19.42	41.89	3863.	376.4	H806700.
SDev	201.9	.0302	.1471	3.02	.1731	592.2
%RSD	.0216	.1556	.3513	.0782	.046	.0734

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8077.	k178900.	S78500.	12.30	111.2	134.3
SDev	22.2	139.3	88.13	2.289	96.69	.3808
%RSD	.2749	.0779	.1123	18.61	86.93	.2835

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-9.8912	k198.12	k-61.149	9.357	9929.	k.46241
SDev	2.1821	1.3682	2.2126	.552	.4744	1.779
%RSD	22.061	.69059	3.6183	5.899	.0048	384.73

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1771.	k579.7	k192.64	k200.85	k30.833	k-30.223
SDev	.8574	.2366	.99636	2.5487	5.5342	.50859
%RSD	.0484	.0408	.51721	1.2689	17.949	1.6828

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.5062	k-90.427	5.0000	21245.9
SDev	2.6441	1.9971	0	25.8812
%RSD	105.5	2.2085	0	.12181

Method: TOTAL Sample Name: HEKNK/5 Operator: KLC
Run Time: 07/13/05 03:25 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-6.910	k26340.	8.6626	74.89	253.9	5.771
SDev	.3253	32.04	.371	1.305	.5087	.0183
%RSD	4.707	.1216	4.2828	1.743	.2004	.3177

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	234000.	k2.470	9.596	880.0	77.25	187700.
SDev	267.6	.0739	.033	.9768	.7933	182.5
%RSD	.1144	2.99	.3438	.111	1.027	.0972

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1650.	k39590.	S88190.	2.843	-256.3	31.09
SDev	4.337	115	144.2	.5017	41.44	.9978
%RSD	.2629	.2904	.1635	17.65	16.17	3.209

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-34.981	k41.497	k-22.452	2.788	2213.	k12.070
SDev	.86042	.85186	11.621	.4245	1.947	8.7585
%RSD	2.4597	2.0528	51.761	15.23	.088	72.563

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	393.2	k127.5	k44.483	k40.006	k-30.338	k-37.300
SDev	.3049	.4033	.69952	.92791	1.0267	1.8026
%RSD	.0775	.3164	1.5726	2.3194	3.3844	4.8327

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.5507	k-32.388	5.0000	20442.2
SDev	2.6485	18.746	0	38.1838
%RSD	103.83	57.879	0	.18678

Method: TOTAL Sample Name: HEKN3 Operator: KLC
Run Time: 07/13/05 03:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k17.80	k22040.	37.811	143.0	358.5	7.239
SDev	.1316	158.5	.36991	.0411	2.887	.09
%RSD	.7395	.7192	.9783	.0287	.8052	1.243

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504300.	k13.44	23.48	6275.	213.0	H699600.
SDev	3806	.0393	.0737	50.32	1.9	6393
%RSD	.7547	.292	.314	.8019	.8921	.9138

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2235.	k126900.	S80820.	-8.708	-3236.	87.97
SDev	4.541	978.3	453	.6538	312.6	.644
%RSD	.2032	.7712	.5605	7.508	9.662	.7321

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k36.082	k126.23	k-86.290	37.84	7055.	k.43902
SDev	1.7366	.68634	.60558	1.76	57.16	1.3244
%RSD	4.8129	.54373	.70179	4.651	.8102	301.66

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2128.	k587.6	k127.00	k125.84	k72.667	k17.816
SDev	18.34	4.26	.57721	.74083	2.7048	1.2532
%RSD	.8618	.725	.45449	.5887	3.7223	7.0338

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.5951	k-130.67	5.0000	20163.1
SDev	1.9544	.06779	0	109.037
%RSD	75.311	.05188	0	.54077

Method: TOTAL Sample Name: HEKN3/5 Operator: KLC
Run Time: 07/13/05 03:35 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-5.575	k4284.	6.7441	34.94	72.31	1.964
SDev	.1855	5.533	1.1264	.1026	.212	.0161
%RSD	3.328	.1291	16.703	.2935	.2932	.8213

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	111100.	k1.542	4.907	1335.	41.36	151200.
SDev	74.89	.0183	.0475	1.616	.2584	247.6
%RSD	.0674	1.185	.9678	.1211	.6247	.1638

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	527.5	k26310.	S88050.	-2.261	-950.3	18.68
SDev	3.038	23.82	80.88	.8876	60.15	2.237
%RSD	.576	.0905	.0919	39.25	6.33	11.97

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-26.846	k23.296	k-17.709	8.650	1468.	k17.355
SDev	1.9659	.09345	.31947	.0763	.8907	.23811
%RSD	7.323	.40116	1.804	.8825	.0607	1.372

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	443.4	k122.2	k27.043	k21.426	k-27.933	k-26.302
SDev	.563	.5569	1.441	.85952	.56815	2.6637
%RSD	.127	.4559	5.3285	4.0117	2.034	10.127

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.95236	k-26.074	5.0000	20277.1
SDev	.53017	.21427	0	12.3039
%RSD	55.67	.82179	0	.06067

Method: TOTAL Sample Name: HEKN6 Operator: KLC
Run Time: 07/13/05 03:39 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0797	150300.	14.772	308.6	1486.	40.66
SDev	.5237	249.7	.0166	.1855	3.061	.0788
%RSD	657.1	.1661	.11242	.0601	.2059	.1938

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1013e3	10.57	16.56	719.2	103.9	501500.
SDev	349.4	.0175	.1142	1.107	.8493	405
%RSD	.0345	.1652	.6895	.1539	.8173	.0808

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7722.	243400.	H27030.	16.28	4340.	57.66
SDev	2.838	360.3	90.48	.4395	155.3	.4025
%RSD	.0367	.148	.3348	2.7	3.578	.6981

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-24.750	67.258	-4.7441	11.16	4100.	-.45240
SDev	.89957	.12459	1.3392	.4019	6.014	1.2973
%RSD	3.6346	.18525	28.229	3.6	.1467	286.77

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	462.0	259.5	60.331	70.716	8.1242	-41.163
SDev	.1342	.6884	3.064	1.3429	1.4768	2.086
%RSD	.029	.2653	5.0787	1.899	18.178	5.0677

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-3.2722	-5.4789	5.0000	21675.5
SDev	.33626	2.1757	0	69.7204
%RSD	10.276	39.71	0	.32165

Method: TOTAL Sample Name: HEKN6/5 Operator: KLC
Run Time: 07/13/05 03:44 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2438	32660.	3.4402	72.69	325.6	9.751
SDev	.1372	19.74	.07184	.0964	.1079	.011
%RSD	56.27	.0604	2.0884	.1326	.0331	.1132

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	258200.	1.381	3.751	165.2	21.30	116800.
SDev	4.53	.0326	.0536	.2179	.0048	124.2
%RSD	.0018	2.361	1.43	.1318	.0228	.1064

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1606.	53610.	6661.	4.425	667.7	13.14
SDev	4.505	97.41	19.78	.7548	98.6	1.127
%RSD	.2804	.1817	.297	17.06	14.77	8.579

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.2419	15.602	-.66492	2.297	919.3	-.30016
SDev	1.4028	.8422	.33133	1.003	.05	1.5533
%RSD	43.273	5.3979	49.83	43.67	.0054	517.5

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	103.5	58.59	15.447	15.680	5.0353	-7.3743
SDev	.2482	.3399	.20642	1.1596	1.7168	1.2461
%RSD	.2399	.5801	1.3363	7.3956	34.095	16.898

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.83278	-.58112	5.0000	20561.7
SDev	3.0057	1.0038	0	24.4656
%RSD	360.92	172.74	0	.11898

Method: TOTAL Sample Name: HEKN6S/5 Operator: KLC
Run Time: 07/13/05 03:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.777	31320.	299.84	201.9	580.9	17.23
SDev	.131	339.5	4.5132	1.18	6.216	.1804
%RSD	1.493	1.084	1.5052	.5842	1.07	1.047

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	293700.	9.239	79.98	373.0	85.74	131900.
SDev	3020	.0428	.8216	3.88	1.208	1666
%RSD	1.028	.4628	1.027	1.04	1.409	1.263

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9148.	63180.	9594.	147.4	7651.	92.65
SDev	59.26	641	92.68	1.908	53.64	.4747
%RSD	.6478	1.014	.966	1.294	.701	.5124

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	285.90	93.315	36.101	276.7	1615.	298.82
SDev	3.5174	.34785	1.3809	4.377	18.32	4.2471
%RSD	1.2303	.37276	3.8251	1.582	1.135	1.4213

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	256.1	147.3	91.701	94.121	282.02	287.83
SDev	2.504	1.775	1.4679	.21136	8.3171	1.1212
%RSD	.9781	1.205	1.6008	.22456	2.9491	.38952

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	36.747	35.778	5.0000	20324.8
SDev	1.8283	1.1575	0	138.876
%RSD	4.9753	3.2353	0	.68328

Method: TOTAL Sample Name: HEKN6D/5 Operator: KLC
Run Time: 07/13/05 03:54 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.350	24430.	296.50	196.9	522.7	15.10
SDev	.5921	70.99	2.3574	1.8	1.39	.048
%RSD	7.09	.2905	.79507	.9141	.2658	.3178

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	236700.	10.63	80.22	475.6	90.41	240500.
SDev	557.3	.1635	.4021	2.867	.1517	391.9
%RSD	.2355	1.538	.5012	.6029	.1677	.163

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8596.	48530.	9994.	159.4	7302.	103.6
SDev	32.47	161	31.75	1.544	31.31	1.073
%RSD	.3777	.3317	.3177	.9682	.4288	1.036

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	275.90	98.967	29.857	276.7	1427.	295.84
SDev	.61936	.45013	1.6792	1.255	2.606	2.3248
%RSD	.22448	.45483	5.6242	.4536	.1826	.7858

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	350.0	164.6	99.085	98.907	274.84	276.43
SDev	.6828	.8006	.08433	.63276	1.138	.36045
%RSD	.1951	.4863	.08511	.63975	.41405	.13039

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	29.343	30.114	5.0000	20348
SDev	1.3233	1.8569	0	12.4448
%RSD	4.5097	6.1663	0	.06115

Method: TOTAL Sample Name: HEKPG Operator: KLC
Run Time: 07/13/05 04:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-.6240	k119600.	27.975	273.0	1146.	30.08
SDev	.3384	230.8	1.1184	.5185	2.274	.0178
%RSD	54.24	.1929	3.998	.1899	.1984	.0593

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1063e3	k23.02	28.09	3676.	197.9	H894700.
SDev	460.2	.0045	.216	4.389	.1719	2390
%RSD	.0433	.0194	.769	.1194	.0868	.2671

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8607.	k247400.	S82790.	44.65	1535.	90.66
SDev	9.983	58.77	184.9	.5161	21.5	.1709
%RSD	.116	.0238	.2234	1.156	1.401	.1885

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-86.444	k167.09	k-20.475	4.624	6712.	k-2.4162
SDev	1.5129	1.0962	5.4742	.714	14.48	1.2996
%RSD	1.7501	.65603	26.736	15.44	.2157	53.786

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2134.	k618.0	k168.73	k166.27	k-34.715	k-112.27
SDev	4.028	.5683	.07031	1.6083	3.2412	.64997
%RSD	.1887	.092	.04167	.96729	9.3365	.57894

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-4.3421	k-28.529	5.0000	21177.4
SDev	.82328	7.7962	0	39.0317
%RSD	18.961	27.327	0	.1843

Method: TOTAL Sample Name: HEKPG/5 Operator: KLC
Run Time: 07/13/05 04:05 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1399	25390.	5.0000	62.43	245.5	7.235
SDev	.3097	33.82	.05331	.9574	.1969	.0079
%RSD	221.3	.1332	1.0663	1.534	.0802	.1098

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	272800.	2.946	6.283	838.6	39.62	209200.
SDev	592.8	.0015	.0808	2.034	.1836	887.8
%RSD	.2173	.0511	1.285	.2426	.4634	.4244

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1741.	54270.	18200.	9.925	-1.394	20.75
SDev	5.778	51.86	3.229	1.37	5.463	.915
%RSD	.3319	.0956	.0177	13.8	391.8	4.409

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-11.545	37.587	-6.4974	.0502	1488.	1.8438
SDev	1.3485	.85808	3.2015	1.319	2.774	1.2266
%RSD	11.68	2.2829	49.274	2625	.1864	66.521

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	474.9	135.4	38.322	37.220	-.34284	-17.138
SDev	.6922	.2647	.69497	.93951	1.9408	1.0528
%RSD	.1458	.1955	1.8135	2.5242	566.09	6.1429

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.96093	-9.2615	5.0000	20413.3
SDev	1.3935	4.1042	0	19.0919
%RSD	145.02	44.314	0	.09352

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 04:13 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1010.	24810.	486.65	Q4473.	2008.	2032.
SDev	.6529	16.09	1.9081	7.433	2.209	.4594
%RSD	.0647	.0648	.39208	.1662	.11	.0226

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49230.	507.1	1968.	1947.	2010.	Q21630.
SDev	15.85	.6845	1.565	1.83	.9545	3.874
%RSD	.0322	.135	.0795	.094	.0475	.0179

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49880.	47050.	1976.	1936.	45370.	2002.
SDev	90.5	23.48	4.401	1.405	43.02	10.57
%RSD	.1814	.0499	.2227	.0726	.0948	.5279

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	500.11	495.87	497.68	4869.	4850.	1001.5
SDev	3.404	.03702	2.0019	5.986	3.432	5.4482
%RSD	.68066	.00746	.40224	.1229	.0707	.54398

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1859.	2029.	488.52	499.54	486.12	507.09
SDev	1.055	1.378	1.9993	1.0537	1.4845	4.3624
%RSD	.0568	.0679	.40925	.21092	.30538	.86026

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	500.77	496.13	5.0000	20223
SDev	.05828	3.0304	0	49.2144
%RSD	.01163	.6108	0	.24335

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 04:21 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0402	9.153	.78990	8.898	.5069	Q1.125
SDev	.2234	1.384	1.9372	.1136	.2647	.1936
%RSD	555.1	15.12	245.25	1.277	52.22	17.2

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.69	.0466	.6272	.1217	-.5530	10.61
SDev	7.954	.0668	.2258	.021	.4816	4.262
%RSD	14.81	143.4	36	17.23	87.09	40.16

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	170.8	13.54	1.319	1.230	-531.5	.2857
SDev	.5808	6.468	.4593	.3787	143.5	.6699
%RSD	.34	47.79	34.82	30.79	27	234.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7071	.53176	.54902	.5546	1.789	2.8640
SDev	1.9571	.38645	.83974	.9303	.5727	1.7232
%RSD	114.64	72.674	152.95	167.8	32.02	60.168

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4571	.6753	-.01277	.80363	3.1600	.98179
SDev	.0583	.1009	1.1255	1.1413	4.7788	.54837
%RSD	12.76	14.93	8810	142.02	151.23	55.854

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.07118	.85867	5.0000	20483.3
SDev	1.2552	1.8857	0	16.5466
%RSD	1763.2	219.6	0	.08078

Method: TOTAL Sample Name: HEKPM Operator: KLC
Run Time: 07/13/05 04:26 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-1.039	k144100.	36.294	317.5	1405.	37.52
SDev	.7447	123.2	.40422	.2964	.3735	.0045
%RSD	71.67	.0855	1.1138	.0934	.0266	.012

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1076e3	k11.20	86.19	2173.	147.3	483000.
SDev	462.4	.1172	.5076	.7251	.0625	263.7
%RSD	.043	1.046	.5889	.0334	.0424	.0546

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10500.	k226200.	S80390.	20.05	2590.	96.00
SDev	12.39	25.21	92.26	2.512	323.1	.855
%RSD	.1179	.0111	.1148	12.53	12.47	.8906

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-31.455	k129.15	k-23.717	-3.496	6551.	k8.3809
SDev	.24088	.37664	.23093	1.438	1.166	.29675
%RSD	.76581	.29163	.97372	41.13	.0178	3.5409

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1282.	k410.0	k120.68	k133.37	k-7.7498	k-43.290
SDev	.0454	1.255	6.3852	3.7525	11.034	5.1475
%RSD	.0035	.3062	5.291	2.8135	142.38	11.891

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-3.2326	k-33.944	5.0000	21668.4
SDev	6.0313	2.6649	0	20.3652
%RSD	186.58	7.851	0	.09398

Method: TOTAL Sample Name: HEKPM/5 Operator: KLC
Run Time: 07/13/05 04:31 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0530	31160.	8.1268	72.60	306.2	9.064
SDev	.0798	31.4	.31739	.2387	.3241	.0355
%RSD	150.5	.1008	3.9056	.3288	.1058	.3916

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	279000.	1.434	20.24	501.7	30.48	113100.
SDev	20.55	.0548	.0963	.6329	.3482	214
%RSD	.0074	3.818	.476	.1262	1.142	.1892

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2114.	50190.	20050.	4.747	390.9	21.75
SDev	1.711	96.78	47.99	.7505	24.35	.3932
%RSD	.081	.1928	.2394	15.81	6.229	1.808

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.9176	29.518	-4.7172	-2.302	1473.	4.8459
SDev	1.2392	.86789	1.2791	.6889	.8608	.6555
%RSD	42.472	2.9402	27.117	29.92	.0584	13.527

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	288.4	91.98	30.189	29.183	2.5870	-5.6658
SDev	.144	.0733	.89582	1.7484	6.593	1.4338
%RSD	.0499	.0797	2.9674	5.9913	254.85	25.306

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.55640	-7.3500	5.0000	20540
SDev	.63613	1.6002	0	3.95952
%RSD	114.33	21.771	0	.01927

Method: TOTAL Sample Name: HEKPT Operator: KLC
Run Time: 07/13/05 04:35 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k1.413	k121900.	23.587	271.6	1203.	22.76
SDev	.2039	105.3	.38016	1.651	.1542	.0055
%RSD	14.43	.0864	1.6118	.6079	.0128	.0241

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1025e3	k13.28	29.24	3219.	201.2	499500.
SDev	330.3	.2946	.0399	.2063	.0634	594.5
%RSD	.0322	2.218	.1365	.0064	.0315	.119

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7701.	k186600.	S81860.	34.91	-1355.	95.42
SDev	22.31	84.13	65.88	1.362	221.2	.5732
%RSD	.2897	.0451	.0805	3.903	16.32	.6008

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-21.807	k284.84	k-33.151	3.460	8872.	k10.402
SDev	.51627	.03564	1.3427	.6713	5.713	2.0685
%RSD	2.3674	.01251	4.0503	19.4	.0644	19.885

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1271.	k641.8	k277.44	k288.53	k6.4867	k-35.933
SDev	1.283	.7968	1.0881	.48978	3.225	2.3841
%RSD	.1009	.1242	.39219	.16975	49.716	6.6348

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.2973	k-48.555	5.0000	21021.5
SDev	.01439	2.0203	0	6.64707
%RSD	.62677	4.1608	0	.03162

Method: TOTAL Sample Name: HEKPT/5 Operator: KLC
Run Time: 07/13/05 04:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7085	25750.	6.3139	61.77	256.7	5.552
SDev	.3047	130.8	1.405	.2364	1.05	.0293
%RSD	43.01	.5078	22.253	.3827	.4093	.5282

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	255700.	1.945	6.812	726.8	41.35	114500.
SDev	976.7	.0697	.2645	3.581	.2904	345.3
%RSD	.3819	3.585	3.883	.4928	.7022	.3017

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1559.	40530.	24520.	7.230	-510.3	21.38
SDev	2.904	221.5	152.5	.3615	42.23	.792
%RSD	.1862	.5466	.6222	5.001	8.276	3.704

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-4.7367	64.505	-5.7889	1.759	1961.	5.3250
SDev	.91466	.41345	1.7484	.2354	8.459	3.6118
%RSD	19.31	.64097	30.203	13.38	.4315	67.828

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	280.3	141.8	64.215	64.649	.39573	-7.2991
SDev	1.399	.3495	.29518	.76724	3.8367	.54416
%RSD	.499	.2465	.45967	1.1868	969.51	7.4553

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.21030	-8.7840	5.0000	20313.6
SDev	.22748	2.5078	0	43.2758
%RSD	108.17	28.549	0	.21303

Method: TOTAL Sample Name: HEM6A Operator: KLC
Run Time: 07/13/05 04:45 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k19.19	k98290.	k24.179	219.9	742.0	k13.62
SDev	.0621	245.8	.53829	2.824	1.655	.0646
%RSD	.3233	.2501	2.2263	1.285	.2231	.4743

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H968800.	k-181.0	49.49	k5705.	k484.9	S3846e3
SDev	1925	.0088	.2497	9.446	1.494	3781
%RSD	.1987	.0049	.5045	.1656	.308	.0983

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8421.	k236000.	S80340.	k44.19	-2726.	250.4
SDev	43.5	582.9	77.16	.0816	86.97	.1715
%RSD	.5166	.247	.096	.1846	3.191	.0685

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k503.22	k150.39	k-66.690	7.281	12620.	k142.84
SDev	5.8461	.81862	1.4637	2.394	22.81	.04889
%RSD	1.1617	.54432	2.1948	32.88	.1807	.03423

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k2867.	k557.9	k93.300	k178.90	k206.39	k651.41
SDev	6.356	1.031	.58045	1.5171	8.7656	4.3886
%RSD	.2217	.1848	.62214	.84804	4.247	.6737

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	k-110.22	k-44.956	5.0000	20299.6
SDev	.45417	1.9677	0	22.3443
%RSD	.41204	4.377	0	.11007

Method: TOTAL Sample Name: HEM6A/5 Operator: KLC
Run Time: 07/13/05 04:50 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-5.481	k20050.	8.3176	49.47	153.8	3.512
SDev	.1663	36.1	.03406	.341	.3997	.0168
%RSD	3.035	.18	.40956	.6893	.2599	.4772

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	239200.	k5.198	10.64	1266.	96.77	242700.
SDev	424.9	.0164	.0712	1.474	.2845	127.2
%RSD	.1777	.316	.6692	.1165	.294	.0524

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1659.	k50800.	S87870.	4.039	-954.8	55.95
SDev	21.12	149.1	231	.6285	113.6	2.539
%RSD	1.273	.2934	.2629	15.56	11.9	4.538

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-33.310	k56.321	k-17.334	2.461	2749.	k17.657
SDev	3.2881	.98806	.43269	.0908	4.248	.84086
%RSD	9.8714	1.7544	2.4962	3.689	.1545	4.7622

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	637.3	k182.2	k60.503	k54.233	k-28.807	k-35.558
SDev	.8149	.1807	.47669	1.2434	1.8522	4.005
%RSD	.1279	.0991	.78788	2.2926	6.4297	11.263

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.39741	k-26.187	5.0000	20259.5
SDev	.30653	.49568	0	61.2352
%RSD	77.132	1.8929	0	.30225

Method: TOTAL Sample Name: HEM6H Operator: KLC
Run Time: 07/13/05 04:55 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k6.021	k68420.	33.470	125.6	477.1	10.91
SDev	.3552	743.2	1.7219	4.921	5.079	.1808
%RSD	5.9	1.086	5.1448	3.917	1.065	1.657

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H640000.	k16.80	34.29	3915.	320.3	H715500.
SDev	6102	.202	.5515	39.61	3.542	6701
%RSD	.9534	1.202	1.608	1.012	1.106	.9365

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5339.	k133400.	S82850.	10.64	-1511.	97.29
SDev	49.3	1472	373.4	.0898	17.09	.6752
%RSD	.9234	1.104	.4507	.8446	1.131	.694

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-25.833	k251.39	k-51.591	1.679	8615.	k4.1942
SDev	3.5738	1.6078	.09712	.5369	83.15	6.4444
%RSD	13.834	.63955	.18825	31.97	.9652	153.65

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2103.	k286.9	k250.99	k251.59	k9.8420	k-43.643
SDev	20.64	3.922	1.2299	1.7964	6.7107	2.0077
%RSD	.9817	1.367	.49002	.71403	68.185	4.6003

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.9670	k-76.367	5.0000	20341.2
SDev	3.5733	1.9296	0	103.802
%RSD	181.67	2.5268	0	.5103

Method: TOTAL Sample Name: HEM6H/5 Operator: KLC
Run Time: 07/13/05 05:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8404	13820.	6.6657	26.70	97.06	2.795
SDev	.0337	20.47	.5747	.143	.0938	.0157
%RSD	4.011	.1482	8.6219	.5358	.0967	.561

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	144500.	2.157	7.692	841.7	63.09	156700.
SDev	168.3	.0387	.2561	1.309	.121	497.7
%RSD	.1165	1.793	3.329	.1556	.1918	.3176

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1087.	27790.	H32340.	2.637	-638.3	22.34
SDev	2.463	2.722	54.15	.3844	5.985	.1584
%RSD	.2266	.0098	.1674	14.58	.9376	.709

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-10.277	53.292	-11.774	1.318	1819.	5.1454
SDev	.97782	.04246	2.7732	.6634	1.8	1.3561
%RSD	9.5148	.07967	23.553	50.33	.099	26.356

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	442.3	61.30	54.324	52.777	-2.1323	-14.343
SDev	.4885	.2032	.28755	.07989	1.3322	.80091
%RSD	.1104	.3315	.52932	.15139	62.477	5.584

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.9891	-16.659	5.0000	20304.5
SDev	.38732	4.351	0	8.34441
%RSD	19.472	26.118	0	.04109

Method: TOTAL Sample Name: HEM6HS/5 Operator: KLC
Run Time: 07/13/05 05:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.289	12540.	344.11	162.5	484.1	11.55
SDev	.5059	9.962	.97881	.7085	.2259	.0135
%RSD	5.446	.0794	.28444	.436	.0467	.1173

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	90350.	12.38	96.03	506.9	156.3	264200.
SDev	22.91	.0007	.1607	.3571	.8693	440.1
%RSD	.0254	.0058	.1674	.0704	.5562	.1666

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10370.	23800.	21820.	167.9	7833.	116.4
SDev	39.38	22.53	35.37	.4352	29.57	.4351
%RSD	.3796	.0947	.1621	.2592	.3775	.3739

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	316.31	141.51	47.877	326.4	1558.	332.90
SDev	.29757	.10134	1.3506	1.684	.5629	1.3433
%RSD	.09407	.07161	2.8209	.5158	.0361	.4035

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	303.7	163.7	142.31	141.11	311.32	318.79
SDev	.2028	.419	.75088	.22293	3.0532	1.0782
%RSD	.0668	.2561	.52764	.15798	.98072	.3382

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	52.873	45.383	5.0000	20344.8
SDev	1.1282	1.4616	0	7.35418
%RSD	2.1337	3.2207	0	.03614

Method: TOTAL Sample Name: HEM6HD/5 Operator: KLC
Run Time: 07/13/05 05:09 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k1.345	k13130.	309.53	164.2	433.3	10.84
SDev	1.035	19.58	.22668	.4344	.8178	.0104
%RSD	76.96	.1491	.07323	.2645	.1888	.0957

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	149200.	k10.92	85.95	962.8	118.6	211100.
SDev	245.3	.144	.3812	2.212	.1262	136.8
%RSD	.1644	1.318	.4435	.2297	.1064	.0648

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9111.	k32250.	S89070.	150.4	6851.	99.99
SDev	15.75	62.44	35.85	.8015	46.77	1.208
%RSD	.1729	.1936	.0403	.5329	.6827	1.208

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k263.62	k110.80	k34.784	299.7	2104.	k323.11
SDev	2.6843	.49277	2.8289	2.636	2.543	2.6577
%RSD	1.0182	.44473	8.1326	.8796	.1208	.82254

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	532.3	k148.0	k117.09	k107.67	k258.81	k266.02
SDev	.0847	.3133	2.0635	.29142	8.2714	.10511
%RSD	.0159	.2117	1.7624	.27067	3.1959	.03951

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	46.541	k28.915	5.0000	20284.4
SDev	2.212	3.1369	0	5.65685
%RSD	4.7528	10.849	0	.02788

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 05:18 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1004.	24610.	481.59	Q4393.	1992.	2019.
SDev	2.11	19.34	.10349	14.49	.9006	4.267
%RSD	.2103	.0786	.02149	.3298	.0452	.2113

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48940.	504.3	1955.	1933.	1993.	Q21230.
SDev	117.4	1.354	3.475	2.757	.7727	5.986
%RSD	.2399	.2685	.1777	.1426	.0388	.0282

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49760.	46670.	1940.	1927.	45070.	2007.
SDev	90.76	95.58	8.474	.9821	218.7	6.249
%RSD	.1824	.2048	.4368	.051	.4853	.3114

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493.38	493.07	491.53	4835.	4799.	1000.5
SDev	3.3469	3.9125	3.7334	6.868	2.882	1.4704
%RSD	.67835	.79349	.75956	.1421	.0601	.14696

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1841.	2016.	484.77	497.21	476.24	501.94
SDev	.3875	4.517	4.2235	3.7572	.64459	4.696
%RSD	.021	.2241	.87122	.75565	.13534	.93558

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	495.20	489.69	5.0000	20319.4
SDev	4.0123	3.5943	0	105.784
%RSD	.81022	.73398	0	.5206

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 05:25 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3216	10.45	.63344	7.990	.4831	Q1.099
SDev	.3439	.1469	.88632	1.413	.1004	.1783
%RSD	106.9	1.406	139.92	17.69	20.78	16.22

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61.65	.0282	.2730	.1368	-1.157	5.591
SDev	5.807	.1019	.3258	.1779	.0815	5.684
%RSD	9.421	361.1	119.4	130	7.048	101.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	165.1	8.908	1.576	1.229	-489.4	-.5810
SDev	1.643	2.573	.5832	.1272	71.7	.1123
%RSD	.9947	28.89	37	10.35	14.65	19.33

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.7535	.37554	-.24966	.9687	1.464	-.13062
SDev	.02706	1.3967	.44473	.5502	.1156	.90061
%RSD	.72101	371.93	178.14	56.8	7.896	689.45

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2484	.3656	.16496	.48067	5.6372	2.8131
SDev	.2954	.2809	.05106	2.1195	4.0109	1.9619
%RSD	118.9	76.83	30.954	440.96	71.151	69.741

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.48338	-.13297	5.0000	20491.6
SDev	1.9967	1.6636	0	14.1421
%RSD	413.07	1251.1	0	.06901

Method: TOTAL Sample Name: HEM6J Operator: KLC
Run Time: 07/13/05 05:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0638	41200.	25.206	419.8	187.2	8.525
SDev	.1706	279.2	2.0615	2.142	1.175	.1094
%RSD	267.4	.6777	8.1788	.5103	.6278	1.283

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1424e3	2.583	32.63	67.67	65.85	19140.
SDev	9515	.0384	.5152	.8239	.4104	86.66
%RSD	.6684	1.487	1.579	1.217	.6232	.4527

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	41290.	19080.	448.1	6.996	17590.	131.3
SDev	291.1	137.9	3.435	.8018	141.1	1.682
%RSD	.705	.7228	.7667	11.46	.8024	1.281

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11.845	100.45	1.8477	11.77	2245.	4.6646
SDev	1.2712	1.0192	1.4721	.0922	13.87	.01853
%RSD	10.732	1.0146	79.672	.7835	.6178	.39724

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102.4	310.2	92.967	104.19	19.027	8.2599
SDev	.7211	2.059	.19672	1.4298	.7137	1.5495
%RSD	.704	.6637	.21161	1.3724	3.7511	18.76

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.25221	2.8961	5.0000	20078.9
SDev	.58118	1.9169	0	82.1653
%RSD	230.43	66.189	0	.40921

Method: TOTAL Sample Name: HEM6J/5 Operator: KLC
Run Time: 07/13/05 05:35 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3080	8336.	5.3497	88.70	38.38	2.328
SDev	1.026	60.21	2.5253	1.375	.1679	.0144
%RSD	332.9	.7223	47.204	1.55	.4376	.6175

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	346500.	.5606	6.781	13.95	12.55	4097.
SDev	2119	.0146	.1575	.1203	.0974	17.68
%RSD	.6117	2.605	2.322	.8623	.776	.4316

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7911.	4040.	94.22	2.497	3447.	28.18
SDev	49.9	27.52	.6634	.5251	283.7	.4076
%RSD	.6308	.6813	.7041	21.03	8.23	1.446

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5133	21.995	1.3367	2.805	466.1	1.0815
SDev	1.359	.89043	1.4065	.3709	3.357	.51088
%RSD	54.07	4.0484	105.23	13.22	.7203	47.239

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.19	67.53	21.021	22.481	8.7949	-.62274
SDev	.2583	.2399	.66473	1.0031	5.3369	.62701
%RSD	1.219	.3553	3.1622	4.4621	60.682	100.69

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.23779	1.8853	5.0000	20062.5
SDev	.32539	2.2712	0	68.8725
%RSD	136.84	120.47	0	.34328

Method: TOTAL Sample Name: HEM6L Operator: KLC
Run Time: 07/13/05 05:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k14.88	k56270.	33.338	180.7	529.5	10.41
SDev	.5728	86.55	.91681	1.58	1.287	.0335
%RSD	3.849	.1538	2.75	.8745	.2431	.3219

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H694700.	k22.37	41.53	3787.	406.7	H912500.
SDev	3323	.3935	.3086	10.28	.3301	2825
%RSD	.4783	1.759	.743	.2716	.0812	.3096

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6340.	k164500.	S81920.	-13.49	-2130.	95.75
SDev	41.86	792.7	3.276	.8795	238.5	.2277
%RSD	.6602	.4819	.004	6.522	11.2	.2378

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-12.543	k215.06	k-78.415	-2.579	10950.	k-4.6161
SDev	7.4537	2.5839	5.0117	.8794	6.47	7.1226
%RSD	59.426	1.2015	6.3912	34.1	.0591	154.3

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2757.	k294.7	k224.27	k210.46	k48.137	k-42.838
SDev	2.801	.3745	5.4543	6.597	2.3151	12.331
%RSD	.1016	.1271	2.432	3.1345	4.8094	28.785

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3812	k-116.87	5.0000	20116.9
SDev	1.8746	8.4497	0	11.4546
%RSD	135.73	7.2297	0	.05694

Method: TOTAL Sample Name: HEM6L/5 Operator: KLC
Run Time: 07/13/05 05:45 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-6.246	k11170.	6.1843	38.66	107.3	2.760
SDev	.0946	2.112	2.147	.3411	.0048	.0083
%RSD	1.514	.0189	34.717	.8823	.0045	.3025

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	160100.	k2.777	8.915	819.9	79.09	202100.
SDev	89.81	.1118	.1354	.895	.1361	464.9
%RSD	.0561	4.025	1.519	.1092	.1721	.2301

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1254.	k34720.	S88580.	-3.105	-758.4	22.21
SDev	3.016	3.652	115.4	.5078	30.48	1.328
%RSD	.2405	.0105	.1302	16.35	4.019	5.977

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-37.489	k41.865	k-15.791	.3154	2325.	k17.371
SDev	.78306	.84402	.84027	.9109	.2997	1.4529
%RSD	2.0888	2.0161	5.3213	288.8	.0129	8.364

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	583.2	k60.60	k48.207	k38.698	k-32.683	k-39.888
SDev	.8022	.3758	.26779	1.3991	1.2687	.54062
%RSD	.1376	.6201	.5555	3.6154	3.8818	1.3553

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.84178	k-24.095	5.0000	20245.6
SDev	1.0784	.72139	0	19.799
%RSD	128.11	2.994	0	.09779

Method: TOTAL Sample Name: HEM6LS/5 Operator: KLC
Run Time: 07/13/05 05:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k2.094	k14950.	330.85	173.1	462.6	11.72
SDev	.0046	15.06	.3059	2.072	.3221	.021
%RSD	.2175	.1007	.09245	1.197	.0696	.1794

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	148200.	k10.44	90.33	782.5	79.47	157300.
SDev	171.7	.1636	.3867	.1842	.1377	49.71
%RSD	.1158	1.567	.4281	.0235	.1733	.0316

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9976.	k33740.	S89010.	154.7	7608.	102.5
SDev	7.995	62.58	118.2	1.926	144.6	1.785
%RSD	.0801	.1855	.1328	1.245	1.901	1.741

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k286.42	k143.80	k35.542	314.3	2274.	k326.25
SDev	1.1211	1.4438	1.3448	1.587	.4948	.11784
%RSD	.39143	1.004	3.7838	.505	.0217	.03612

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	442.7	k143.3	k147.91	k141.76	k270.17	k294.53
SDev	.3693	.0857	1.9482	1.1919	1.5005	.93172
%RSD	.0834	.0598	1.3172	.84084	.55539	.31634

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	47.298	k29.673	5.0000	20299.2
SDev	1.3221	1.3562	0	30.2633
%RSD	2.7953	4.5704	0	.14908

Method: TOTAL Sample Name: HEM6LD/5 Operator: KLC
Run Time: 07/13/05 05:54 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k2.497	k15090.	331.96	169.3	450.4	11.57
SDev	.1842	96.74	3.2849	.6667	2.941	.1119
%RSD	7.376	.6412	.98955	.3939	.6529	.9674

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	196000.	k11.18	88.99	1102.	82.94	188400.
SDev	1252	.0534	.6486	7.546	.1599	1098
%RSD	.6384	.4778	.7288	.6846	.1928	.5829

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9535.	k45940.	S89610.	157.9	7089.	99.42
SDev	62.43	322.3	438.6	1.183	71.9	1.417
%RSD	.6547	.7016	.4895	.7493	1.014	1.425

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k288.03	k127.06	k33.988	314.2	2194.	k329.83
SDev	.77059	1.033	.16292	.1107	13.59	1.9908
%RSD	.26753	.81299	.47935	.0352	.6192	.60356

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	544.2	k151.5	k130.62	k125.28	k278.60	k292.74
SDev	3.872	.9148	3.2159	.05685	5.2314	3.7671
%RSD	.7115	.6039	2.4621	.04538	1.8778	1.2868

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	47.567	k27.208	5.0000	20113.4
SDev	.31412	.08743	0	100.975
%RSD	.66037	.32135	0	.50203

Method: TOTAL Sample Name: HEM6M Operator: KLC
Run Time: 07/13/05 06:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-.8344	k105800.	28.299	258.3	972.9	18.45
SDev	.2473	19.93	.41706	1.034	.0709	.0404
%RSD	29.64	.0188	1.4738	.4002	.0073	.2189

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1244e3	k16.85	34.04	2708.	215.6	H604300.
SDev	47.29	.0567	.0952	1.857	.5055	1077
%RSD	.0038	.3362	.2795	.0686	.2345	.1783

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7053.	k195500.	S85380.	63.08	-1245.	128.6
SDev	3.452	116.1	113.9	.9454	263.8	1.576
%RSD	.0489	.0594	.1334	1.499	21.18	1.225

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-49.779	k525.62	k-25.461	-4.267	8383.	k10.737
SDev	2.7271	.28411	.6907	.3491	4.102	.72407
%RSD	5.4784	.05405	2.7128	8.181	.0489	6.7437

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1242.	k816.5	k518.94	k528.95	k-10.037	k-69.620
SDev	.4613	.0842	.42774	.21242	7.1578	.51505
%RSD	.0371	.0103	.08242	.04015	71.317	.7398

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.18932	k-38.078	5.0000	20381.8
SDev	.47483	.79847	0	18.951
%RSD	250.81	2.0969	0	.09298

Method: TOTAL Sample Name: HEM6M/5 Operator: KLC
Run Time: 07/13/05 06:05 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5009	21910.	6.3889	56.56	203.9	4.553
SDev	1.024	23.65	.12166	.3788	.1101	.0084
%RSD	204.4	.1079	1.9044	.6697	.054	.1852

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	316000.	2.378	7.347	601.0	42.55	136900.
SDev	599.5	.1118	.6989	.3793	1.006	477.7
%RSD	.1897	4.703	9.512	.0631	2.364	.3489

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1416.	41970.	20330.	13.71	-553.1	29.52
SDev	11.05	34.89	10.12	.7936	6.116	1.526
%RSD	.7803	.0831	.0498	5.79	1.106	5.167

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-8.2805	117.51	-3.5223	-.9919	1820.	6.0870
SDev	1.8853	.85194	1.3913	.5973	2.095	.1743
%RSD	22.768	.72499	39.499	60.22	.1151	2.8635

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	269.3	176.3	115.90	118.31	.33898	-12.584
SDev	.3742	.146	3.2458	.34316	2.4371	1.6098
%RSD	.139	.0828	2.8006	.29004	718.93	12.793

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.71611	-4.9233	5.0000	20208.5
SDev	1.4453	2.8075	0	37.4766
%RSD	201.83	57.024	0	.18544

Method: TOTAL Sample Name: HEM6P Operator: KLC
Run Time: 07/13/05 06:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-7.645	k121200.	14.403	213.9	1147.	34.19
SDev	.0478	95.55	1.1167	1.31	.681	.1015
%RSD	.6252	.0788	7.7534	.6123	.0594	.2969

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H877600.	k16.53	21.87	669.7	209.7	H740900.
SDev	820.1	.0655	.1049	1.178	.4793	1143
%RSD	.0934	.3965	.4798	.1759	.2286	.1543

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7707.	k203800.	S86040.	23.63	3407.	119.1
SDev	4.323	321.5	66.4	1.816	14.75	.1243
%RSD	.0561	.1578	.0772	7.682	.433	.1043

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-95.631	k60.862	k-.96546	.4110	3980.	k-.23543
SDev	3.1245	.76417	.80535	.4348	2.677	2.1688
%RSD	3.2672	1.2556	83.417	105.8	.0673	921.19

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	453.7	k383.7	k62.926	k59.832	k-50.555	k-118.14
SDev	.5851	.1831	1.1589	1.7243	6.2063	7.7829
%RSD	.1289	.0477	1.8417	2.8819	12.276	6.5881

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.17493	k-1.3601	5.0000	21244
SDev	2.1085	.15474	0	15.8395
%RSD	1205.3	11.377	0	.07455

Method: TOTAL Sample Name: HEM6P/5 Operator: KLC
Run Time: 07/13/05 06:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0048	25950.	3.6651	48.18	246.7	8.242
SDev	.465	128.7	.09507	1.525	1.269	.0502
%RSD	9750	.496	2.5942	3.164	.5142	.6096

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	217900.	2.023	5.057	152.5	42.83	172100.
SDev	1081	.2286	.0198	.7754	.686	731.3
%RSD	.4963	11.3	.3917	.5084	1.602	.4249

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1569.	44630.	5803.	5.637	354.8	27.53
SDev	5.947	302.6	40.23	.407	79.75	.1838
%RSD	.3789	.6781	.6933	7.22	22.48	.6676

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-7.6438	13.937	-.55272	.8104	880.2	-.05535
SDev	1.0617	.18854	1.0849	.5768	4.723	1.6407
%RSD	13.89	1.3528	196.27	71.18	.5366	2963.7

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	100.3	85.10	14.324	13.744	5.9373	-14.424
SDev	.9087	.1925	.42841	.49655	4.8116	.81039
%RSD	.9063	.2262	2.9908	3.6129	81.041	5.6183

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.49562	-.58123	5.0000	20397.5
SDev	2.411	.42275	0	88.1052
%RSD	486.47	72.734	0	.43194

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 06:23 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1004.	24460.	478.78	Q4267.	1978.	2007.
SDev	2.116	35.23	.03327	4.893	3.046	2.38
%RSD	.2107	.144	.00695	.1147	.1539	.1185

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48790.	503.1	1951.	1924.	1982.	Q20930.
SDev	62.56	.5898	.9421	.8355	3.985	18.04
%RSD	.1282	.1172	.0483	.0434	.2011	.0862

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50270.	46400.	1900.	1924.	44900.	2066.
SDev	136.4	38.85	4.29	1.994	208	5.059
%RSD	.2713	.0837	.2258	.1036	.4632	.2449

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493.39	492.67	492.22	4827.	4741.	989.73
SDev	3.8886	.49847	.60536	2.025	2.999	3.6187
%RSD	.78813	.10117	.12298	.042	.0633	.36562

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1820.	2020.	483.80	497.09	475.22	502.46
SDev	.6284	2.327	1.4291	1.4608	2.8303	4.417
%RSD	.0345	.1152	.29538	.29387	.59557	.87906

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	494.00	491.33	5.0000	20237.7
SDev	1.1538	.33156	0	44.5477
%RSD	.23355	.06748	0	.22012

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 06:31 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1924	2.073	-.03365	6.157	.5822	Q1.190
SDev	.4579	2.624	.87439	.027	.169	.1907
%RSD	238	126.6	2597.9	.4384	29.02	16.03

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	65.34	.1175	.5392	.2214	-1.459	7.109
SDev	8.509	.0131	.3022	.1583	.0249	3.574
%RSD	13.02	11.17	56.05	71.52	1.705	50.27

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.7	10.42	.8501	.5250	-404.3	.3339
SDev	4.786	.4716	.2134	.3812	48.23	.1721
%RSD	2.837	4.524	25.1	72.61	11.93	51.54

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.80907	.66345	.05073	1.718	1.469	.62313
SDev	.04067	.36269	.60002	1.325	.1175	2.4055
%RSD	5.027	54.667	1182.7	77.08	7.999	386.04

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5850	.5910	1.0738	.45857	1.6392	-2.0314
SDev	.1171	.3011	2.1837	.54645	1.7109	.79319
%RSD	20.02	50.96	203.36	119.16	104.37	39.047

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.19342	.17263	5.0000	20407.1
SDev	.09071	.85429	0	38.0415
%RSD	46.901	494.86	0	.18641

Method: TOTAL Sample Name: HEM6R Operator: KLC
Run Time: 07/13/05 06:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-.9013	k144200.	19.675	288.5	1498.	27.56
SDev	.1444	392.1	.27333	2.666	4.814	.122
%RSD	16.02	.2719	1.3892	.9243	.3214	.4427

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1185e3	k10.28	24.35	2690.	124.2	392400.
SDev	4313	.0351	.1653	10.62	.0799	1978
%RSD	.364	.3419	.6789	.3948	.0643	.504

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8800.	k218200.	S81290.	36.13	-43.31	148.9
SDev	12.04	894.7	242.6	.1163	78.4	.2673
%RSD	.1369	.41	.2984	.3218	181	.1796

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-19.143	k260.14	k-31.396	-3.498	8148.	k24.297
SDev	4.2052	1.3856	.43664	.7028	29.43	6.6863
%RSD	21.967	.53261	1.3908	20.09	.3612	27.519

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1362.	k598.1	k252.33	k264.04	k4.8476	k-31.120
SDev	4.639	2.715	1.4897	1.3335	3.6042	4.5052
%RSD	.3407	.4539	.59039	.50504	74.352	14.477

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-3.7460	k-45.200	5.0000	21269.4
SDev	.37719	.84295	0	67.8822
%RSD	10.069	1.8649	0	.31915

Method: TOTAL Sample Name: HEM6R/5 Operator: KLC
Run Time: 07/13/05 06:41 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9070	30860.	3.5482	62.94	322.8	6.778
SDev	.1269	23.42	.70163	1.728	.2484	.0243
%RSD	13.99	.0759	19.774	2.745	.077	.3591

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	306500.	1.425	5.371	611.7	25.03	90560.
SDev	271.7	0	.348	.2292	1.285	134.2
%RSD	.0887	.0006	6.479	.0375	5.136	.1482

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1785.	47730.	21860.	8.470	-468.0	33.30
SDev	.6364	41.96	31.3	1.269	78.02	.1428
%RSD	.0357	.0879	.1431	14.98	16.67	.4288

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.1046	59.651	-7.8524	-.5878	1813.	9.8265
SDev	2.1343	.2908	.5468	.4864	1.399	.47561
%RSD	68.746	.48752	6.9636	82.74	.0772	4.8401

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	301.6	132.4	59.525	59.713	3.9812	-6.6422
SDev	.2347	.1279	1.8219	.47356	4.7756	.81556
%RSD	.0778	.0966	3.0606	.79307	119.95	12.279

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6298	-10.959	5.0000	20420.3
SDev	.81503	1.2267	0	17.9608
%RSD	50.008	11.194	0	.08795

Method: TOTAL Sample Name: HEM6T Operator: KLC
Run Time: 07/13/05 06:45 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0280	88560.	57.206	173.3	1140.	11.59
SDev	.1868	75.62	1.5972	.5491	.4887	.0044
%RSD	668.2	.0854	2.792	.3169	.0429	.0378

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1387e3	1.746	34.95	106.1	117.2	26310.
SDev	2842	.129	.281	.196	.076	26.3
%RSD	.2049	7.387	.8041	.1848	.0648	.0999

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3047.	22950.	539.4	11.34	-561.1	79.99
SDev	5.626	59.7	6.019	.2708	65.65	1.857
%RSD	.1846	.2602	1.116	2.388	11.7	2.321

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.166	116.99	3.0615	-7.279	3968.	6.1155
SDev	1.1871	1.8119	.3212	.2677	1.729	1.489
%RSD	9.0164	1.5487	10.492	3.678	.0436	24.347

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	163.9	163.6	109.44	120.76	20.015	9.7472
SDev	.2369	.4079	1.2055	3.3183	2.0342	.76427
%RSD	.1445	.2493	1.1015	2.7477	10.163	7.841

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.45927	4.3606	5.0000	20504.3
SDev	.65675	.80945	0	33.234
%RSD	143	18.563	0	.16208

Method: TOTAL Sample Name: HEM6T/5 Operator: KLC
Run Time: 07/13/05 06:50 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4632	18270.	11.562	35.32	237.3	3.081
SDev	.3373	10.59	.89206	.0261	.0919	.0023
%RSD	72.82	.058	7.7153	.074	.0387	.0746

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	343200.	.2495	7.457	22.65	22.84	5709.
SDev	191.6	.0297	.0714	.1481	.0667	4.111
%RSD	.0558	11.89	.958	.6538	.2919	.072

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	677.7	4908.	115.8	2.021	-574.3	17.09
SDev	3.342	11.28	2.392	1.392	36.15	1.167
%RSD	.4931	.2297	2.066	68.85	6.294	6.829

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.6556	26.024	1.4367	-.4811	838.6	1.7466
SDev	.52356	.25387	1.0722	.7672	.3861	1.1635
%RSD	9.2575	.97551	74.634	159.5	.046	66.615

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34.53	40.17	24.990	26.541	6.8054	5.0816
SDev	.0092	.3832	.70948	.0264	4.1493	1.2866
%RSD	.0266	.9539	2.8391	.0995	60.972	25.319

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0052	1.6521	5.0000	20314
SDev	1.9939	.61213	0	12.1617
%RSD	198.36	37.052	0	.05986

Method: TOTAL Sample Name: HEM6W Operator: KLC
Run Time: 07/13/05 06:55 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-6.419	k74270.	28.139	479.1	495.5	15.25
SDev	.2836	52.76	1.2007	.3588	.3984	.0358
%RSD	4.418	.071	4.2669	.0749	.0804	.2346

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1392e3	k7.251	26.96	1217.	84.92	259100.
SDev	868.4	.0532	.1713	.37	.0194	11.1
%RSD	.0624	.7332	.6354	.0304	.0229	.0043

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2423.	k100300.	S88490.	29.99	-804.4	81.12
SDev	.246	60.78	24.78	1.399	96.5	.5998
%RSD	.0102	.0606	.028	4.666	12	.7394

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-40.748	k120.35	k-12.351	-5.307	5059.	k21.890
SDev	3.0143	.37245	.60184	.626	1.374	.41241
%RSD	7.3975	.30947	4.8728	11.8	.0272	1.884

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	811.7	k495.4	k119.86	k120.60	k-23.858	k-49.180
SDev	.5731	1.269	1.8798	1.4969	.23788	4.4004
%RSD	.0706	.2562	1.5683	1.2413	.99706	8.9476

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.15454	k-18.441	5.0000	20322.2
SDev	3.1304	2.4652	0	4.24264
%RSD	2025.5	13.368	0	.02087

Method: TOTAL Sample Name: HEM6W/5 Operator: KLC
Run Time: 07/13/05 07:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6371	15380.	5.7674	99.15	102.7	3.878
SDev	.3663	39.73	.088	2	.2519	.0101
%RSD	57.5	.2584	1.526	2.017	.2452	.2608

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	351000.	1.142	5.880	264.6	15.79	56900.
SDev	894.2	.0687	.0604	.5435	.2199	239.4
%RSD	.2548	6.017	1.027	.2054	1.393	.4207

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	567.0	21200.	9730.	5.954	-570.1	16.51
SDev	.6952	28.26	12.48	1.129	126.9	.0231
%RSD	.1226	.1333	.1282	18.97	22.26	.1398

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.29738	26.534	-2.3517	-1.686	1074.	4.6073
SDev	3.3373	.35129	1.1392	.5945	2.847	2.468
%RSD	1122.2	1.3239	48.443	35.25	.2651	53.568

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	172.9	106.2	26.103	26.749	5.9537	-3.4183
SDev	.6635	.2954	.73029	.16208	1.5891	4.2101
%RSD	.3838	.2781	2.7977	.60594	26.691	123.17

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.1725	-2.4411	5.0000	20260
SDev	.31372	1.8646	0	36.2033
%RSD	14.441	76.382	0	.17869

Method: TOTAL Sample Name: HEM6X Operator: KLC
Run Time: 07/13/05 07:05 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6301	58800.	34.157	551.7	201.9	9.773
SDev	.6975	20.14	1.1758	.8537	.1068	.0201
%RSD	110.7	.0343	3.4422	.1547	.0529	.2055

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1472e3	6.890	30.84	406.2	89.73	107000.
SDev	2650	.0972	.1698	.8987	.362	212
%RSD	.18	1.411	.5505	.2212	.4034	.1981

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	852.1	39450.	12180.	25.46	-969.0	130.0
SDev	6.07	21.27	.2534	.0705	41.88	.0634
%RSD	.7124	.0539	.0021	.2771	4.322	.0488

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.3637	202.19	-1.4120	9.395	3412.	6.7390
SDev	2.5228	.25355	2.1902	1.531	2.471	.83381
%RSD	106.73	.1254	155.12	16.29	.0724	12.373

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	295.0	501.9	196.58	205.00	11.588	-2.2416
SDev	.3794	.1007	1.1397	.94914	.07182	3.7465
%RSD	.1286	.02	.57978	.463	.61983	167.14

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.5456	-2.8885	5.0000	20005
SDev	2.2929	2.139	0	44.1237
%RSD	148.35	74.052	0	.22056

Method: TOTAL Sample Name: HEM6X/5 Operator: KLC
Run Time: 07/13/05 07:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5860	11870.	6.8925	111.3	40.69	2.625
SDev	.2642	7.107	.01632	.8628	.109	.0139
%RSD	45.09	.0599	.23683	.7754	.2679	.5312

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	363100.	1.217	6.362	85.13	16.43	22780.
SDev	290.4	.0506	.246	.5278	.3127	29.08
%RSD	.08	4.153	3.867	.6199	1.903	.1277

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	275.3	8234.	2629.	5.273	-690.3	26.23
SDev	7.274	5.999	3.226	.1364	90.73	.5487
%RSD	2.642	.0729	.1227	2.586	13.14	2.092

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0799	42.548	1.0409	3.194	702.3	1.9141
SDev	1.6161	.64673	.66524	.7082	.1928	.64018
%RSD	77.702	1.52	63.911	22.17	.0275	33.446

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61.02	107.9	41.236	43.203	5.1454	.54952
SDev	.1479	.1542	1.0496	.44558	3.1437	.85351
%RSD	.2423	.143	2.5454	1.0314	61.098	155.32

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.31270	1.7167	5.0000	20197.7
SDev	1.5191	.23895	0	28.9914
%RSD	485.8	13.92	0	.14353

Method: TOTAL Sample Name: HEM60 Operator: KLC
Run Time: 07/13/05 07:14 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0990	50270.	31.789	587.2	194.7	7.959
SDev	.3497	531.5	.62405	7.983	2.057	.1374
%RSD	353.1	1.057	1.9631	1.36	1.056	1.727

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1413e3	3.951	29.75	154.6	71.00	51960.
SDev	12090	.1557	.2838	1.058	.6526	592.9
%RSD	.8553	3.94	.9539	.6843	.9191	1.141

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49890.	22220.	2434.	21.12	27210.	98.81
SDev	416.4	214.4	21.59	.3736	255	.2835
%RSD	.8347	.9648	.887	1.769	.9372	.2869

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.8364	107.66	.94364	9.693	2779.	6.5135
SDev	.61962	.25988	3.7763	.9551	29.39	3.3307
%RSD	7.9071	.24139	400.18	9.853	1.058	51.135

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	166.7	388.1	100.87	111.05	15.783	3.8689
SDev	2.021	4.054	.12465	.45187	2.1805	.15962
%RSD	1.212	1.045	.12358	.40689	13.815	4.1259

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.35301	1.5910	5.0000	20058
SDev	.43304	5.4454	0	124.168
%RSD	122.67	342.26	0	.61904

Method: TOTAL Sample Name: HEM60/5 Operator: KLC
Run Time: 07/13/05 07:19 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2527	10170.	6.6091	118.9	39.59	2.285
SDev	.6064	193.5	1.2976	2.012	.7991	.0798
%RSD	240	1.903	19.633	1.692	2.018	3.492

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	342300.	.6921	6.226	32.71	13.09	11080.
SDev	6028	.0201	.0342	.165	.2838	197.2
%RSD	1.761	2.904	.5486	.5043	2.168	1.78

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9573.	4679.	512.2	5.021	5154.	20.80
SDev	155.5	87.87	10.14	.2176	65.99	.7422
%RSD	1.624	1.878	1.98	4.335	1.28	3.568

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5354	23.186	.80951	1.305	575.5	.69681
SDev	1.0221	.72664	1.3172	1.043	10.86	.14072
%RSD	66.571	3.1339	162.72	79.91	1.886	20.196

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34.34	85.29	22.845	23.357	5.9243	-.65567
SDev	.8416	1.457	.72648	.72672	2.8557	2.9582
%RSD	2.451	1.708	3.1801	3.1114	48.203	451.16

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0402	.69433	5.0000	20047.5
SDev	1.7493	1.1016	0	296.561
%RSD	168.16	158.65	0	1.47929

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 07:28 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1004.	24360.	478.32	Q4127.	1965.	1992.
SDev	4.776	136.3	3.5932	24.39	10.2	10.68
%RSD	.4758	.5595	.75121	.591	.519	.5359

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48510.	500.9	1950.	1914.	1979.	Q20780.
SDev	237	2.533	11.89	12.14	11.5	170.9
%RSD	.4886	.5057	.61	.6344	.5814	.8225

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50750.	45960.	1871.	1926.	44790.	2137.
SDev	169.8	296.4	10.26	12.06	228.4	10.93
%RSD	.3346	.6449	.5483	.6262	.51	.5115

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	490.43	488.89	489.75	4834.	4679.	984.38
SDev	3.1791	1.2031	1.5629	35.16	28.77	13.219
%RSD	.64823	.24609	.31911	.7272	.6149	1.3428

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1801.	2027.	483.17	491.75	475.87	497.69
SDev	11.32	10.01	1.6835	.96333	8.7436	.40109
%RSD	.6287	.4941	.34843	.1959	1.8374	.08059

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.60	489.32	5.0000	20263.6
SDev	3.3528	.66923	0	85.4177
%RSD	.68341	.13676	0	.42153

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 07:35 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1910	-17.49	-1.4822	5.068	.4168	Q1.226
SDev	.196	34.91	.40704	1.528	.066	.1672
%RSD	102.6	199.6	27.462	30.15	15.84	13.64

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	64.42	-.3217	.0583	-3.073	-2.443	3.829
SDev	1.922	.6506	.2262	4.415	.4528	1.791
%RSD	2.984	202.2	388.1	143.7	18.54	46.78

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	89.30	8.226	.5341	1.238	Q-1826.	.6099
SDev	110.2	3.421	.1698	.8838	2251	.3367
%RSD	123.4	41.58	31.79	71.41	123.3	55.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6635	-.05474	1.6114	1.545	.8984	1.1357
SDev	1.6368	.23703	.29512	.8644	.0004	.15888
%RSD	98.394	432.97	18.315	55.96	.0407	13.99

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4385	.4137	-1.8197	.82638	6.8427	-.92224
SDev	.2068	.0815	4.4898	2.5969	6.8489	.96535
%RSD	47.16	19.7	246.74	314.25	100.09	104.67

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.49850	2.1670	5.0000	20411.5
SDev	2.8098	.96032	0	11.4546
%RSD	563.65	44.315	0	.05611

Method: TOTAL Sample Name: HEM61 Operator: KLC
Run Time: 07/13/05 07:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-4.802	k128500.	15.330	250.1	1212.	33.55
SDev	.1962	713.2	1.9926	.2888	6.671	.171
%RSD	4.085	.5549	12.998	.1155	.5505	.5096

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H980000.	k13.63	25.18	1627.	148.7	H709100.
SDev	6886	.1396	.4733	11.73	.5947	5123
%RSD	.7027	1.024	1.88	.7208	.3998	.7224

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7967.	k246500.	S84130.	35.32	2498.	118.5
SDev	60.02	1687	627.4	.6986	23.12	.4965
%RSD	.7534	.6843	.7458	1.978	.9257	.4189

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	k-87.119	k128.81	k-8.9565	26.55	5597.	k9.2791
SDev	2.6471	.88721	2.3318	.4513	35.37	1.3028
%RSD	3.0385	.68875	26.035	1.7	.6319	14.04

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	892.5	k475.6	k129.46	k128.49	k-35.269	k-113.01
SDev	5.865	1.393	2.9486	.14192	1.6436	4.7892
%RSD	.6571	.2928	2.2776	.11045	4.6601	4.2381

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0023	k-13.928	5.0000	21295.4
SDev	1.0227	2.9854	0	158.11
%RSD	102.04	21.434	0	.74246

Method: TOTAL Sample Name: HEM61/5 Operator: KLC
Run Time: 07/13/05 07:45 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1472	27990.	2.8945	56.73	265.6	8.278
SDev	.3659	104.1	1.4223	1.244	.9047	.0096
%RSD	248.6	.372	49.14	2.192	.3407	.1164

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	250500.	1.467	5.998	376.3	30.44	168200.
SDev	947	.0526	.0114	1.669	.0629	1130
%RSD	.378	3.588	.1894	.4435	.2066	.672

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1643.	54730.	11360.	8.536	316.5	26.64
SDev	2.809	145.3	37.18	.0311	90.07	.6869
%RSD	.171	.2654	.3274	.3642	28.46	2.578

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-12.760	30.008	-2.2709	6.275	1264.	2.7502
SDev	2.6587	.18597	1.3205	.6026	4.684	3.6876
%RSD	20.836	.61975	58.147	9.605	.3707	134.08

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	201.2	107.8	30.228	29.898	-1.5990	-18.333
SDev	.4001	.6448	.27043	.1438	.32754	4.1495
%RSD	.1989	.5982	.89465	.48099	20.485	22.635

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.02814	-3.3906	5.0000	20410.4
SDev	.53024	1.715	0	51.4779
%RSD	1884.3	50.58	0	.25221

Method: TOTAL Sample Name: HEM61L/5 Operator: KLC
Run Time: 07/13/05 07:50 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6562	27510.	2.2877	54.71	261.0	8.136
SDev	.0319	69.06	2.4585	1.097	.5937	.0441
%RSD	4.863	.251	107.46	2.005	.2275	.542

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	247300.	1.372	5.521	370.9	28.98	166100.
SDev	663.9	.0309	.1961	1.492	.6984	70.72
%RSD	.2684	2.252	3.553	.4022	2.41	.0426

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1601.	53920.	11170.	7.491	207.1	25.99
SDev	26.41	210.6	36.22	.3817	158.5	.8116
%RSD	1.649	.3906	.3241	5.095	76.55	3.123

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-11.278	29.090	-2.0849	6.856	1242.	2.1871
SDev	3.8822	.35824	2.4737	.9712	2.306	.96071
%RSD	34.424	1.2315	118.65	14.17	.1856	43.927

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	198.2	105.3	29.399	28.936	1.6033	-17.708
SDev	.7099	.6506	2.0196	1.5454	3.8687	3.8889
%RSD	.3582	.6179	6.8696	5.3408	241.3	21.961

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.9208	-2.1668	5.0000	20539.7
SDev	.90852	3.2552	0	15.4141
%RSD	47.301	150.23	0	.07504

Method: TOTAL Sample Name: HEM61L/25 Operator: KLC
Run Time: 07/13/05 07:55 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2334	5560.	-.03567	10.11	52.76	2.260
SDev	.2046	1.97	.17136	1.298	.0913	.0036
%RSD	87.67	.0354	480.29	12.84	.173	.1605

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51820.	.1543	1.124	77.15	4.128	34750.
SDev	28.8	.0045	.0745	.0182	.1616	22.47
%RSD	.0556	2.935	6.627	.0236	3.915	.0647

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	432.3	10980.	2375.	1.404	-213.9	6.403
SDev	1.392	17.6	4.152	1.135	29.62	.939
%RSD	.3221	.1603	.1748	80.83	13.85	14.67

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.3620	6.2851	.02652	2.787	255.1	4.0878
SDev	1.4579	.44908	2.4131	.2023	.2768	1.2912
%RSD	107.04	7.1453	9099	7.257	.1085	31.585

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	41.15	23.37	5.5308	6.6617	2.0123	-3.0466
SDev	.1012	.1721	.76315	1.0543	1.9672	1.2036
%RSD	.2458	.7365	13.798	15.826	97.759	39.506

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.03580	.05763	5.0000	20441.9
SDev	1.4386	2.8997	0	22.202
%RSD	4017.9	5031	0	.10861

Method: TOTAL Sample Name: HEKN6/100 Operator: KLC
Run Time: 07/13/05 07:59 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0481	1609.	.13489	2.339	16.04	1.183
SDev	.4197	8.405	.63753	1.281	.0615	.0007
%RSD	872.8	.5224	472.61	54.77	.3832	.058

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13370.	-.0500	.2009	7.291	-1.222	5922.
SDev	11.73	.2327	.0756	1.438	.399	11.43
%RSD	.0877	465.6	37.61	19.72	32.65	.1929

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	195.6	2645.	333.1	.2252	-743.6	.8822
SDev	46.67	5.712	.5304	.1254	719.2	.3914
%RSD	23.86	.216	.1592	55.7	96.71	44.36

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.8585	1.1012	-1.4319	.9767	45.15	-.79011
SDev	1.5027	.43818	1.0285	.4144	.0137	.37509
%RSD	80.855	39.792	71.832	42.43	.0303	47.474

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.428	4.636	2.0478	.62859	6.5228	-.47019
SDev	.0282	.214	1.4787	1.3952	.9609	1.7731
%RSD	.5192	4.615	72.207	221.95	14.731	377.11

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0292	-1.6329	5.0000	20440
SDev	2.513	.28741	0	6.22309
%RSD	244.17	17.602	0	.03044

Method: TOTAL Sample Name: HEKN6A/100 Operator: KLC
Run Time: 07/13/05 08:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.84	3653.	1863.0	806.1	1926.	52.27
SDev	.4936	6.738	5.312	5.058	3.179	.0696
%RSD	.8999	.1845	.28513	.6275	.165	.1331

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61840.	49.86	483.4	201.8	252.2	6950.
SDev	121.4	.1808	1.262	.5296	.471	36.04
%RSD	.1963	.3627	.2611	.2624	.1868	.5185

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50160.	48310.	795.6	957.2	45510.	533.3
SDev	56.98	124.1	1.326	4.218	129.3	1.202
%RSD	.1136	.2568	.1667	.4407	.2841	.2255

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1942.5	487.07	485.47	1941.	990.3	1923.7
SDev	7.1825	1.8313	3.6662	3.312	2.644	.71392
%RSD	.36976	.37597	.75517	.1706	.267	.03711

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	456.6	506.3	482.97	489.12	1866.8	1980.2
SDev	1.515	1.35	.59299	2.4495	7.379	7.0844
%RSD	.3318	.2667	.12278	.50079	.39527	.35775

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	483.54	486.44	5.0000	20233.5
SDev	4.6937	3.1532	0	32.6678
%RSD	.97068	.64821	0	.16145

Method: TOTAL Sample Name: HEM6H/100 Operator: KLC
Run Time: 07/13/05 08:09 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5036	674.3	.93478	1.509	5.581	.8306
SDev	.1307	.0998	1.4543	1.656	.1977	.0175
%RSD	25.96	.0148	155.57	109.7	3.543	2.109

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7349.	.0177	.6626	42.92	1.099	8066.
SDev	4.981	.0069	.1254	.1656	.3089	9.179
%RSD	.0678	39.04	18.93	.3859	28.12	.1138

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	218.8	1411.	1753.	2.289	-459.7	1.625
SDev	6.53	3.434	1.59	.5019	41.89	.4465
%RSD	2.985	.2434	.0907	21.93	9.113	27.47

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4198	3.1575	-.08811	1.509	89.90	2.4440
SDev	1.1651	.76801	.86468	.3465	.2068	.18423
%RSD	82.063	24.323	981.29	22.96	.23	7.5382

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22.37	2.860	3.1115	3.1805	4.9077	-.32155
SDev	.1423	.0473	.49049	1.3963	.84841	1.3232
%RSD	.6361	1.654	15.764	43.902	17.288	411.51

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.95673	.34553	5.0000	20474.1
SDev	1.3372	.62879	0	5.23286
%RSD	139.77	181.97	0	.02555

Method: TOTAL Sample Name: HEM6HA/100 Operator: KLC
Run Time: 07/13/05 08:14 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.67	2730.	1879.9	812.9	1935.	52.17
SDev	.1238	4.898	8.3507	1.708	3.112	.0762
%RSD	.2264	.1794	.4442	.2101	.1608	.1461

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	56270.	50.24	487.4	238.5	256.3	9083.
SDev	147.1	.0375	1.471	1.157	.7428	47.77
%RSD	.2614	.0747	.3019	.4852	.2898	.5259

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50660.	47400.	2213.	965.9	45900.	536.4
SDev	3.682	152.2	4.624	2.369	97.82	1.453
%RSD	.0073	.3211	.2089	.2452	.2131	.2709

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1949.8	490.12	490.02	1957.	1044.	1938.4
SDev	10.546	2.3743	2.3721	3.273	2.821	5.9391
%RSD	.54089	.48442	.48408	.1673	.2703	.30638

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	477.9	509.2	489.03	490.67	1876.5	1986.3
SDev	2.058	1.061	2.3584	2.3822	18.025	6.812
%RSD	.4306	.2084	.48226	.48549	.96056	.34294

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	487.27	491.39	5.0000	20165.8
SDev	3.2213	1.9481	0	38.75
%RSD	.66109	.39645	0	.19215

Method: TOTAL Sample Name: HEM6L/100 Operator: KLC
Run Time: 07/13/05 08:19 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3235	544.2	.05807	2.846	6.041	.8016
SDev	.0001	.008	.22295	.5144	.0693	.0005
%RSD	.0215	.0015	383.88	18.07	1.146	.0584

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8103.	-.0619	.5387	40.98	1.681	10430.
SDev	4.519	.0413	.0502	.2252	.0058	44.14
%RSD	.0558	66.67	9.321	.5494	.346	.4233

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	221.9	1738.	2567.	1.243	-578.1	-.0708
SDev	1.516	5.836	.8223	.7536	41.84	.2772
%RSD	.6832	.3358	.032	60.62	7.238	391.4

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2916	2.9802	.25506	1.382	114.5	5.3003
SDev	1.6123	.62282	.05282	.102	.065	1.6811
%RSD	70.358	20.899	20.711	7.38	.0568	31.717

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29.20	2.580	1.9682	3.4854	5.5010	.68935
SDev	.5158	.1233	.05494	.90633	3.9935	.42356
%RSD	1.767	4.781	2.7915	26.004	72.596	61.444

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2816	1.0222	5.0000	20503.5
SDev	.64931	.40337	0	8.90926
%RSD	50.666	39.46	0	.04345

Method: TOTAL Sample Name: HEM6LA/100 Operator: KLC
Run Time: 07/13/05 08:24 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.00	2598.	1885.4	817.6	1944.	53.18
SDev	.2204	3.869	2.9115	3.465	2.909	.0789
%RSD	.4082	.1489	.15442	.4238	.1496	.1483

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	56270.	51.23	498.1	242.1	261.8	11270.
SDev	67.97	.2445	.51	.4848	.3948	5.193
%RSD	.1208	.4772	.1024	.2003	.1508	.0461

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50710.	47090.	2984.	976.5	45200.	548.8
SDev	158.3	47.23	5.062	.787	55.72	.3969
%RSD	.3122	.1003	.1697	.0806	.1233	.0723

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1962.6	497.91	494.64	1964.	1073.	1965.1
SDev	5.1739	.28737	2.3106	3.408	1.011	.49632
%RSD	.26362	.05771	.46712	.1735	.0942	.02525

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	495.3	529.3	493.37	500.18	1884.2	2001.8
SDev	.5562	.6777	.33818	.59968	15.569	.01596
%RSD	.1123	.128	.06854	.11989	.82632	.00079

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	493.28	495.32	5.0000	20337.7
SDev	2.0628	2.4343	0	12.5857
%RSD	.41819	.49145	0	.06188

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 08:31 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	993.6	24240.	477.15	Q4124.	1958.	1987.
SDev	2.082	49.28	3.5247	3.894	5.178	4.957
%RSD	.2095	.2033	.73869	.0944	.2645	.2494

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48380.	499.6	1954.	1922.	1968.	Q21400.
SDev	106.8	1.492	3.427	3.181	5.088	6.352
%RSD	.2208	.2986	.1753	.1655	.2585	.0297

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50310.	46290.	1879.	1935.	Q44650.	2141.
SDev	164.7	83.04	4.125	3.483	101.9	13.13
%RSD	.3273	.1794	.2195	.18	.2283	.6135

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	489.13	489.25	490.95	4858.	4674.	986.24
SDev	.1028	1.7322	1.1259	7.187	7.533	9.051
%RSD	.02101	.35406	.22933	.1479	.1611	.91772

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1818.	2024.	484.21	491.76	476.23	495.58
SDev	1.9	5.397	2.6096	1.2942	5.62	2.6517
%RSD	.1045	.2666	.53893	.26317	1.1801	.53506

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	489.08	491.88	5.0000	20275.8
SDev	1.7084	.83511	0	49.7806
%RSD	.34931	.16978	0	.24551

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 08:42 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2505	12.12	-.53089	4.365	.1766	.7447
SDev	.0369	3.723	.16929	.6546	.0675	.091
%RSD	14.73	30.72	31.888	15	38.21	12.22

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43.02	.0301	.0251	-.4742	-2.182	-.6831
SDev	1.066	.067	.1258	.1557	.2526	2.492
%RSD	2.477	222.8	501.5	32.83	11.58	364.8

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157.6	1.532	.1407	.4272	-379.7	.2805
SDev	.8669	.2514	.0072	.002	71.4	.2188
%RSD	.5501	16.41	5.095	.4747	18.8	78

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3333	.63550	-1.2980	.5010	.3278	.86706
SDev	1.0581	.09917	1.6918	.383	.1147	1.1968
%RSD	79.357	15.606	130.33	76.45	34.98	138.03

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1642	-.1201	1.3439	.28184	5.1608	-.57760
SDev	.0005	.004	.6381	.16988	1.5787	2.3745
%RSD	.3344	3.318	47.483	60.276	30.591	411.09

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.19805	-1.8472	5.0000	20525
SDev	.58238	2.8271	0	29.6985
%RSD	294.06	153.05	0	.14469

Method: TOTAL Sample Name: CRI\MRL Operator: KLC
Run Time: 07/13/05 08:47 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.915	190.7	14.460	156.5	9.613	5.671
SDev	.779	.1363	.67129	.2122	.0782	.0303
%RSD	15.85	.0715	4.6425	.1356	.8133	.534

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4928.	4.987	4.937	4.330	12.76	253.7
SDev	7.593	.0088	.166	.2542	.3491	3.035
%RSD	.1541	.1766	3.362	5.871	2.737	1.196

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4894.	4510.	14.20	9.467	4515.	27.37
SDev	10.91	12.27	.002	.2721	117.5	.3937
%RSD	.2229	.2721	.0142	2.874	2.603	1.439

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.613	10.310	9.1360	98.64	47.52	14.805
SDev	.8773	.3728	.23767	2.481	.0973	1.8692
%RSD	3.7154	3.6159	2.6015	2.515	.2048	12.626

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.282	40.50	11.018	9.9567	27.323	21.760
SDev	.0723	.184	.84443	.13734	2.993	.17894
%RSD	1.152	.4543	7.6638	1.3794	10.954	.82233

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	9.7899	8.8096	5.0000	20537.9
SDev	.30611	.50915	0	42.2855
%RSD	3.1268	5.7796	0	.20589

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 08:53 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	991.9	24280.	479.31	Q4177.	1958.	1989.
SDev	5.257	175.7	4.8467	34.86	12.93	13.9
%RSD	.53	.7236	1.0112	.8347	.6604	.6991

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48480.	500.2	1959.	1930.	1970.	Q21800.
SDev	367.3	3.778	13.26	16.03	13.13	203.5
%RSD	.7577	.7552	.677	.8306	.6664	.9333

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50270.	46400.	1877.	1939.	44910.	2137.
SDev	259.8	373.3	14.87	17.47	120.6	7.126
%RSD	.5167	.8046	.792	.901	.2686	.3334

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	489.34	490.54	490.79	4868.	4693.	981.36
SDev	2.3861	3.4465	4.8205	44.3	36.72	8.5667
%RSD	.48761	.70259	.98219	.91	.7825	.87294

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1832.	2025.	486.61	492.50	480.57	493.72
SDev	14.75	12.53	5.5844	2.3791	.91918	3.1185
%RSD	.8053	.6189	1.1476	.48307	.19127	.63162

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	490.93	490.72	5.0000	20339.4
SDev	1.9323	6.2625	0	130.108
%RSD	.39359	1.2762	0	.63968

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 09:01 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4558	19.59	1.1252	6.728	.4364	Q1.024
SDev	.5689	.4074	.39714	1.206	.2366	.2031
%RSD	124.8	2.079	35.296	17.92	54.22	19.84

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51.31	.1269	.3436	.0444	-1.473	1.314
SDev	3.963	.1301	.0256	.8894	.2202	1.081
%RSD	7.724	102.6	7.447	2005	14.95	82.26

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	164.3	5.838	.4219	.6964	-399.9	-.0696
SDev	12.38	5.997	.1651	.3833	353	.1747
%RSD	7.539	102.7	39.13	55.04	88.28	251.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4837	.57594	1.5206	1.039	1.221	1.8695
SDev	1.8669	.72604	.21897	1.127	.4627	.68656
%RSD	75.169	126.06	14.4	108.4	37.89	36.725

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4777	.2232	1.8549	-.06259	7.4884	-.01497
SDev	.0269	.4849	.43603	1.3062	.91783	2.3408
%RSD	5.624	217.2	23.506	2086.9	12.257	15636

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.62403	1.9683	5.0000	20494.8
SDev	1.0736	.20769	0	79.7622
%RSD	172.04	10.552	0	.38918

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 10:30 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	994.9	25040.	497.23	4684.	2006.	2055.
SDev	2.979	78.32	3.8402	37.25	7.549	7.905
%RSD	.2994	.3127	.77231	.7953	.3763	.3847

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50440.	508.9	2029.	2031.	2024.	24770.
SDev	204.5	1.766	8.099	8.764	6.89	132.7
%RSD	.4056	.347	.3992	.4316	.3404	.5356

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50320.	48920.	1977.	2034.	46820.	2034.
SDev	125	267.6	9.839	9.739	140.9	.8416
%RSD	.2485	.5471	.4977	.4787	.301	.0414

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	508.66	505.47	504.99	5012.	4977.	1014.1
SDev	3.1485	1.6926	.16564	23.57	23.21	7.8791
%RSD	.61897	.33484	.0328	.4703	.4663	.77693

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1989.	2049.	505.25	505.58	519.62	503.18
SDev	9.851	7.83	.39576	2.7351	1.984	5.7109
%RSD	.4952	.3822	.07833	.54098	.38182	1.1349

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	499.85	507.55	5.0000	20381.7
SDev	4.0085	2.2496	0	67.1751
%RSD	.80194	.44322	0	.32958

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 10:37 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0601	20.58	1.4205	8.284	.5252	.6554
SDev	.1945	2.138	.10009	1.408	.1661	.178
%RSD	323.5	10.39	7.0468	17	31.63	27.16

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	67.42	.0490	.3443	.0995	.4635	-.6737
SDev	3.777	.0329	.1745	.2191	.1422	5.302
%RSD	5.603	67.11	50.69	220.3	30.69	786.9

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	178.6	12.76	.6173	1.220	-283.2	-.3124
SDev	1.975	4.009	.1858	.627	89.46	.9434
%RSD	1.106	31.42	30.11	51.4	31.59	301.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5765	.18978	3.8544	2.562	1.782	2.6663
SDev	.25172	.56743	1.4067	1.516	.5725	1.4942
%RSD	15.968	298.98	36.495	59.2	32.12	56.04

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5171	1.519	.11663	.22631	6.0324	-.64816
SDev	.2651	.1437	.4777	.61223	1.146	.94954
%RSD	51.27	9.461	409.58	270.53	18.997	146.5

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.21226	5.6728	5.0000	20574.5
SDev	2.1407	3.1777	0	14.8492
%RSD	1008.5	56.017	0	.07217

Method: TOTAL Sample Name: HEJDMT/5 5189042 Operator: KLC
Run Time: 07/13/05 10:43 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0291	22.43	1.5481	139.6	44.63	.2518
SDev	.0009	.6759	1.6715	1.468	.0784	.0458
%RSD	2.947	3.014	107.96	1.052	.1757	18.18

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	441600.	.0786	.4091	-.0901	.7559	3.967
SDev	331	.0995	.077	.271	.0033	5.443
%RSD	.075	126.6	18.82	300.7	.4326	137.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15310.	10920.	6503.	37.05	299700.	19.48
SDev	31.63	13.82	5.474	.1195	153.4	.5638
%RSD	.2066	.1266	.0842	.3225	.0512	2.894

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2796	.25366	-1.4903	-1.183	-6.803	1.9460
SDev	.75711	.29118	.47606	.1057	.3503	1.8976
%RSD	33.213	114.79	31.945	8.934	5.148	97.513

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.68	9.247	-.27603	.51811	8.0124	-.58253
SDev	.7598	.1407	.92795	.89985	4.0864	.90502
%RSD	3.209	1.521	336.17	173.68	51.001	155.36

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.04672	-2.2110	5.0000	20044.5
SDev	.34119	.5434	0	4.66662
%RSD	730.3	24.578	0	.02328

Method: TOTAL Sample Name: HEJDMTL/25 Operator: KLC
Run Time: 07/13/05 10:48 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4045	6.136	.11982	26.95	8.946	.1577
SDev	.1628	.9355	.30625	.0735	.0887	.0247
%RSD	40.24	15.24	255.59	.2726	.9917	15.67

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	91780.	.0003	-.0715	-.3379	.4982	4.756
SDev	549.8	.0127	.1553	.1508	.253	5.395
%RSD	.5991	4154	217.3	44.64	50.78	113.4

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2719.	2236.	1355.	7.454	60870.	3.972
SDev	17.22	15.48	8.109	1.318	327.6	.1472
%RSD	.6335	.6923	.5986	17.69	.5382	3.707

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0778	.69943	-.74741	.1168	-1.066	-.01982
SDev	2.5152	.92119	.0807	.5018	.0075	1.2888
%RSD	81.72	131.7	10.798	429.6	.7065	6500.4

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.751	5.224	.02270	1.0373	9.7509	-.25366
SDev	.1183	.089	2.1015	.33193	4.5758	1.4865
%RSD	2.489	1.703	9254.9	32	46.927	586

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5593	-.34205	5.0000	20263
SDev	.52733	.14227	0	116.249
%RSD	33.818	41.594	0	.57369

Method: TOTAL Sample Name: HERQRT/5 Operator: KLC
Run Time: 07/13/05 10:53 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1462	19540.	4.3899	6461.	30.46	.1309
SDev	.0093	12.33	.13457	23.94	.0349	.0078
%RSD	6.334	.0631	3.0656	.3706	.1146	5.979

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	156400.	110.8	4.128	14.07	19.32	16090.
SDev	2.607	.0734	.0038	.0954	.1455	22.76
%RSD	.0017	.0662	.0925	.6784	.7532	.1415

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18430.	55610.	584.7	7.286	321600.	58.54
SDev	8.002	59.61	.238	.2462	82.47	1.368
%RSD	.0434	.1072	.0407	3.379	.0256	2.336

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9813	3977.2	105.90	9.299	-1.731	6.1360
SDev	.28421	1.2019	.89808	1.275	.0022	.83244
%RSD	14.345	.03021	.84806	13.71	.1281	13.567

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.440	7373.	3975.2	3978.2	8.4554	-1.2509
SDev	.5424	.182	2.058	.7746	3.4172	2.1321
%RSD	37.67	.0025	.05177	.01947	40.415	170.45

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	106.11	105.79	5.0000	20177.8
SDev	2.4131	.14172	0	22.6274
%RSD	2.2741	.13396	0	.11214

Method: TOTAL Sample Name: HERQVT/20 Operator: KLC
Run Time: 07/13/05 11:05 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0718	6286.	2.0465	1763.	8.918	.0907
SDev	.1494	25.41	.17879	2.212	.0871	.0153
%RSD	208.2	.4043	8.7362	.1255	.9763	16.91

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44960.	32.86	.9281	2.672	3.954	2958.
SDev	150.9	.0859	.0514	.3421	.2586	9.115
%RSD	.3356	.2613	5.54	12.8	6.54	.3081

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4538.	14590.	153.4	1.272	91300.	15.50
SDev	28.66	42.63	.6102	.1311	448.6	.0372
%RSD	.6317	.2923	.3979	10.31	.4913	.2401

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6953	4196.2	15.286	2.388	-.4062	.81838
SDev	3.1237	17.389	1.4816	1.086	.0014	.97624
%RSD	184.25	.41439	9.6924	45.48	.3404	119.29

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2141	1895.	4192.8	4197.9	8.8724	-1.8878
SDev	.118	4.447	13.717	19.222	4.6145	2.3794
%RSD	55.11	.2347	.32714	.45789	52.01	126.04

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	16.714	14.573	5.0000	20371.3
SDev	1.7184	1.3633	0	43.1335
%RSD	10.281	9.3552	0	.21173

Method: TOTAL Sample Name: HERQXT/20 Operator: KLC
Run Time: 07/13/05 11:11 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0084	5520.	2.9697	1887.	10.59	.0782
SDev	.5615	5.246	1.963	5.1	.0282	.0007
%RSD	6656	.095	66.101	.2703	.2664	.86

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47920.	33.96	1.177	4.562	6.651	5038.
SDev	43.22	.1159	.1516	.0862	.4404	7.668
%RSD	.0902	.3412	12.88	1.89	6.622	.1522

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4959.	15560.	175.6	1.739	94860.	17.16
SDev	2.982	23.17	.1457	.7593	120.1	.2327
%RSD	.0601	.1489	.083	43.66	.1266	1.356

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.45508	1958.2	45.704	1.823	-.4878	2.2541
SDev	2.4688	.30642	.72234	.4881	.1151	1.511
%RSD	542.51	.01564	1.5805	26.78	23.59	67.034

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2011	2328.	1956.0	1959.4	5.7885	-2.2076
SDev	.0596	.1852	2.8558	1.8851	4.0057	1.7016
%RSD	29.65	.008	.146	.0962	69.201	77.077

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	43.894	46.607	5.0000	20369.6
SDev	.86917	.64903	0	9.33463
%RSD	1.9802	1.3926	0	.04582

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 11:18 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	992.4	25090.	501.94	4828.	2013.	2068.
SDev	2.452	66.73	2.704	26.87	5.753	5.877
%RSD	.2471	.266	.53869	.5567	.2858	.2842

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50780.	511.2	2043.	2050.	2028.	25330.
SDev	144	1.293	5.34	7.033	3.241	83.06
%RSD	.2836	.253	.2614	.3431	.1598	.3279

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49930.	49630.	2012.	2049.	47060.	2004.
SDev	62.53	154.9	6.836	8.396	330.4	4.584
%RSD	.1252	.312	.3397	.4098	.702	.2287

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	513.69	509.96	506.24	5046.	5033.	1017.8
SDev	3.3056	.06462	.75419	23.76	17.67	4.9608
%RSD	.6435	.01267	.14897	.4708	.3511	.48739

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2019.	2052.	512.67	508.60	525.90	507.60
SDev	5.886	4.005	.13707	.02844	6.5604	1.6807
%RSD	.2916	.1952	.02673	.00559	1.2475	.3311

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	502.21	508.26	5.0000	20319.6
SDev	.27601	1.2686	0	36.7696
%RSD	.05496	.24958	0	.18095

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 11:25 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0799	20.09	.20676	11.43	.4843	.5318
SDev	.3725	.3019	.71717	.6561	.3001	.1703
%RSD	466.1	1.502	346.86	5.738	61.96	32.02

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	72.15	.0999	.4323	.1383	1.001	2.827
SDev	4.245	.0441	.1508	.4882	.3693	13.87
%RSD	5.883	44.12	34.88	353.1	36.9	490.7

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	171.8	10.75	.5026	1.231	-315.9	-.0288
SDev	5.513	5.487	.1464	.3793	18.14	1.112
%RSD	3.21	51.02	29.12	30.81	5.742	3860

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1382	.91659	1.5707	1.803	1.303	1.9257
SDev	2.0824	.18996	.35691	1.662	.5752	.54508
%RSD	182.95	20.726	22.723	92.18	44.15	28.306

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4996	1.474	.92006	.91485	7.4277	-2.0019
SDev	.2958	.3389	.25683	.15658	.6959	2.7745
%RSD	59.21	23	27.915	17.116	9.369	138.6

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.01176	2.3608	5.0000	20472.1
SDev	.33083	.36993	0	18.8088
%RSD	2813	15.67	0	.09187

Method: TOTAL Sample Name: ZZZZZ Operator: KLC
Run Time: 07/13/05 11:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2753	-234.7	1.5065	-.6394	.0084	-.7550
SDev	.4722	1.208	.48082	.6973	.0162	.0015
%RSD	171.5	.5148	31.917	109	193.3	.1949

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-5.236	.0832	.3263	-.7860	-9.156	8.813
SDev	.0571	.0654	.2182	.0127	.1166	3.907
%RSD	1.09	78.69	66.85	1.621	1.273	44.33

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	131.1	2.061	.0049	-.1822	71.88	.1042
SDev	3.469	2.743	.0323	.1422	38.53	.7025
%RSD	2.647	133.1	662.4	78.06	53.6	673.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5511	.30846	1.8620	-.8215	.2764	4.3935
SDev	.09452	.02511	1.0059	.2094	.042	1.3869
%RSD	6.0944	8.1406	54.021	25.49	15.18	31.567

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1428	-.6743	-1.1115	1.0174	9.4429	-2.3889
SDev	.2276	.1031	.71735	.32049	1.1522	.71694
%RSD	159.4	15.29	64.537	31.501	12.202	30.012

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.7667	3.6736	5.0000	56260
SDev	.24595	1.6308	0	346.482
%RSD	13.922	44.393	0	.61585

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 12:01 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	992.4	24990.	498.40	4772.	2007.	2062.
SDev	.5288	14.85	1.2981	38.27	1.376	.3126
%RSD	.0533	.0594	.26044	.8018	.0685	.0152

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50570.	511.6	2036.	2033.	2019.	24930.
SDev	10.62	.2232	.136	.6728	.5705	22.86
%RSD	.021	.0436	.0067	.0331	.0282	.0917

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49840.	49230.	1987.	2023.	46790.	2021.
SDev	3.624	65.65	1.849	2.441	114.1	.8059
%RSD	.0073	.1333	.093	.1207	.2439	.0399

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	514.53	509.17	505.39	5036.	5000.	1011.7
SDev	4.3995	3.3594	.42646	1.115	3.967	.11428
%RSD	.85504	.65978	.08438	.0221	.0793	.01129

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1996.	2051.	509.31	509.10	518.57	512.52
SDev	1.352	.481	5.5545	2.2636	2.6433	5.2763
%RSD	.0677	.0235	1.0906	.44461	.50972	1.0295

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	503.43	506.37	5.0000	20324.6
SDev	3.3002	1.0082	0	99.5598
%RSD	.65553	.1991	0	.48984

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 12:08 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2704	22.76	.42091	9.671	.5983	.6592
SDev	.1584	4.66	.54599	1.071	.2025	.2174
%RSD	58.58	20.48	129.72	11.07	33.84	32.97

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70.44	.1514	.4686	.0561	.7435	5.081
SDev	5.455	.1119	.6004	.1585	.2606	.7087
%RSD	7.744	73.92	128.1	282.4	35.05	13.95

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	173.8	12.64	.5971	1.403	-396.3	.1249
SDev	6.297	4.873	.1886	.6338	203.2	1.228
%RSD	3.623	38.55	31.59	45.18	51.28	983.7

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.6186	.11400	.32839	1.939	1.705	.01182
SDev	.08246	.27232	1.6807	1.115	.4624	.8358
%RSD	3.1494	238.87	511.79	57.48	27.12	7065.1

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7685	1.511	-1.5658	.95265	6.2619	.79967
SDev	.0324	.2319	.4973	.16	.99657	.37389
%RSD	4.212	15.35	31.76	16.796	15.915	46.756

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.04265	.47105	5.0000	20529.5
SDev	1.3974	1.8221	0	60.3872
%RSD	3275.9	386.82	0	.29414

Method: TOTAL Sample Name: HE3CGB 5189050 Operator: KLC
Run Time: 07/13/05 12:13 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2260	57.09	.22359	15.76	.3781	.2222
SDev	.3035	.51	.59607	.2744	.0338	.0343
%RSD	134.3	.8935	266.59	1.742	8.941	15.46

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	273.6	.1089	.0995	-.1881	1.037	5.333
SDev	.777	.0234	.4709	.1301	.1651	7.382
%RSD	.284	21.49	473.2	69.16	15.92	138.4

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.9	4.392	.2483	-.1118	-502.2	.1044
SDev	4.163	2.017	.0873	1.741	100.6	.7728
%RSD	2.556	45.93	35.17	1557	20.03	740

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.1750	.52791	.21091	1.492	.6480	.99485
SDev	1.2302	.04011	1.8689	.0991	.3403	.50923
%RSD	56.562	7.5978	886.1	6.645	52.51	51.186

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6773	8.983	-1.3191	1.4501	7.5661	-.51657
SDev	.0303	.0776	.35781	.23877	2.3548	.66876
%RSD	4.467	.8636	27.125	16.467	31.123	129.46

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.69100	.66119	5.0000	20708.3
SDev	.54865	2.528	0	19.0919
%RSD	79.4	382.34	0	.09219

Method: TOTAL Sample Name: HE3CGC Operator: KLC
Run Time: 07/13/05 12:18 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L4.805	2188.	2033.3	973.5	2021.	54.09
SDev	.1316	11	6.9226	.2705	6.553	.2622
%RSD	2.74	.5027	.34046	.0278	.3242	.4848

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52230.	52.27	516.5	210.7	269.1	1161.
SDev	224	.155	1.984	.4865	1.206	4.225
%RSD	.4288	.2965	.3841	.231	.4481	.3638

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52280.	50150.	505.0	1028.	49410.	508.9
SDev	194.7	209.7	2.088	3.128	231.4	2.589
%RSD	.3725	.4181	.4134	.3043	.4684	.5087

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2112.8	517.60	525.18	2069.	1044.	2053.2
SDev	7.3689	1.9445	2.4377	9.113	3.235	9.936
%RSD	.34878	.37567	.46416	.4405	.31	.48393

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	512.1	537.6	516.47	518.16	2113.1	2112.6
SDev	1.87	3.433	1.0017	2.4152	3.3192	9.3906
%RSD	.3651	.6387	.19395	.4661	.15708	.4445

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	516.82	529.36	5.0000	20492.5
SDev	.89005	3.2104	0	74.8124
%RSD	.17221	.60646	0	.36507

Method: TOTAL Sample Name: HEPTW Operator: KLC
Run Time: 07/13/05 12:24 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2583	624.8	2.7326	704.4	40.51	.1312
SDev	.0942	2.642	.81918	1.839	.2956	.0111
%RSD	36.46	.4228	29.978	.2611	.7298	8.484

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	64380.	.1173	.8776	.6261	2.691	880.4
SDev	186.1	.0901	.0247	.0861	.2469	6.321
%RSD	.2891	76.82	2.816	13.74	9.174	.7179

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5558.	19560.	54.88	8.225	228100.	2.637
SDev	12.69	82.24	.1725	.1403	597	.3991
%RSD	.2283	.4205	.3143	1.706	.2617	15.14

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.42174	1.3941	1.0585	1.358	5.066	3.3937
SDev	1.5665	.21692	.43681	.655	.3537	2.4382
%RSD	371.43	15.56	41.266	48.25	6.983	71.845

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9862	20.81	-.56781	2.3736	6.0750	-2.4006
SDev	.1799	.2466	1.2716	.3096	1.2049	1.747
%RSD	18.24	1.185	223.94	13.044	19.835	72.771

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0050	2.0888	5.0000	20357.4
SDev	1.8374	.26242	0	30.5465
%RSD	182.83	12.564	0	.15005

Method: TOTAL Sample Name: HEPTWS Operator: KLC
Run Time: 07/13/05 12:29 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.871	3503.	2113.1	1729.	2126.	55.48
SDev	.0948	9.443	8.2248	11.27	5.267	.147
%RSD	1.947	.2696	.38922	.6521	.2478	.2649

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	119300.	53.01	530.1	215.5	280.3	2339.
SDev	186.5	.005	.7457	.4651	.4299	1.99
%RSD	.1563	.0095	.1407	.2158	.1533	.0851

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	63090.	72300.	577.4	1061.	287900.	519.7
SDev	12.5	152.1	1.383	3.845	347.8	.2186
%RSD	.0198	.2104	.2394	.3625	.1208	.042

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2171.0	525.21	545.87	2123.	1075.	2087.7
SDev	1.047	.99354	1.3986	5.768	3.016	4.6288
%RSD	.04822	.18917	.25621	.2717	.2805	.22171

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	524.3	557.2	525.39	525.12	2169.5	2171.8
SDev	.8064	.819	1.7474	2.362	6.9778	5.0535
%RSD	.1538	.147	.33259	.4498	.32163	.23268

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	536.88	550.37	5.0000	20147
SDev	3.6668	.26624	0	39.0317
%RSD	.68298	.04837	0	.19373

Method: TOTAL Sample Name: HEPTWD Operator: KLC
Run Time: 07/13/05 12:34 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.710	3161.	2073.1	1656.	2082.	54.24
SDev	.1513	18.05	7.2351	12.41	9.273	.2374
%RSD	3.212	.5711	.349	.7492	.4453	.4377

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	113100.	52.01	519.0	210.9	274.0	2141.
SDev	444	.0368	1.7	.6708	.9057	6.985
%RSD	.3924	.0707	.3276	.3181	.3306	.3263

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62120.	69730.	563.2	1041.	269700.	509.2
SDev	248.4	237.1	2.121	3.266	1180	.665
%RSD	.3998	.3401	.3766	.3137	.4375	.1306

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2122.6	515.56	533.36	2084.	1054.	2053.5
SDev	15.391	1.1371	3.9968	10.22	5.031	10.949
%RSD	.72511	.22055	.74936	.4907	.4774	.53317

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	514.6	546.8	515.01	515.83	2124.3	2121.8
SDev	1.967	1.317	1.4792	.96631	12.9	16.635
%RSD	.3822	.2409	.28721	.18733	.60724	.78403

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	528.30	535.89	5.0000	20188.5
SDev	3.856	4.0672	0	83.0146
%RSD	.72988	.75895	0	.41119

Method: TOTAL Sample Name: HEPVE Operator: KLC
Run Time: 07/13/05 12:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0732	691.4	2.7259	214.6	241.1	.1155
SDev	.13	2.357	1.258	.9652	.3389	.0159
%RSD	177.7	.3408	46.149	.4498	.1406	13.78

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42640.	-.0159	.4669	.5663	1.975	1156.
SDev	26.37	.0596	.5005	.3348	.0614	6.975
%RSD	.0618	375.2	107.2	59.12	3.109	.6035

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2019.	8758.	53.27	2.123	35590.	1.773
SDev	.4221	14.44	.0404	.1194	19.74	.9925
%RSD	.0209	.1649	.0758	5.624	.0555	55.99

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.82165	.55723	.10685	1.183	5.107	4.1212
SDev	.36611	.12369	.55057	.8552	.4488	.46397
%RSD	44.558	22.198	515.26	72.32	8.788	11.258

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.175	29.51	.19630	.73742	7.0930	-2.3093
SDev	.5866	.0804	.89254	.26015	1.8301	.36476
%RSD	49.91	.2724	454.68	35.279	25.801	15.795

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.24135	.03970	5.0000	20523.7
SDev	.58084	.53546	0	40.022
%RSD	240.66	1348.6	0	.195

Method: TOTAL Sample Name: HEPVF Operator: KLC
Run Time: 07/13/05 12:45 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.362	975.4	6.7862	4613.	31.08	.1728
SDev	.0022	.2385	1.2358	19.42	.2078	.038
%RSD	.1628	.0245	18.211	.4209	.6686	21.99

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	317400.	.0814	16.23	3.464	8.316	5009.
SDev	558.1	.0215	.2285	.3186	.2171	5.694
%RSD	.1758	26.48	1.408	9.2	2.611	.1137

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27730.	242100.	2654.	9.069	H3531e3	31.21
SDev	20.09	487.8	5.288	.4111	2811	1.525
%RSD	.0724	.2015	.1992	4.533	.0796	4.885

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.4386	.51908	-.01434	-33.09	12.07	3.6987
SDev	.99955	.25336	.35209	.2517	.0211	.12317
%RSD	29.069	48.811	2453.8	.7607	.1747	3.3301

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.883	38.59	-2.2427	1.8979	13.352	-1.5107
SDev	.2617	.2374	1.5218	1.1396	3.5202	.25889
%RSD	6.74	.6153	67.856	60.047	26.365	17.137

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.5938	1.2734	5.0000	17996.3
SDev	1.4163	.17921	0	32.1029
%RSD	54.604	14.073	0	.17838

Method: TOTAL Sample Name: HEPVG Operator: KLC
Run Time: 07/13/05 12:50 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2569	103.5	1.9585	7429.	9.083	.0867
SDev	.6393	1.315	.66066	15.78	.1105	.0132
%RSD	248.8	1.27	33.733	.2124	1.217	15.26

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	425300.	.2355	24.22	.1562	4.818	27030.
SDev	888.1	.1291	.3801	.2895	.0089	15.85
%RSD	.2088	54.8	1.569	185.4	.1847	.0587

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3303.	173600.	15430.	-1.964	H1771e3	14.86
SDev	14.35	665.3	29.87	.4098	3822	.8947
%RSD	.4345	.3833	.1935	20.86	.2158	6.019

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.82623	1.2844	-5.6309	-14.51	-6.565	2.8688
SDev	2.6981	.06967	1.2455	.9328	.0226	2.2915
%RSD	326.56	5.4246	22.119	6.43	.3445	79.875

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3945	56.02	-2.3110	3.0794	5.1414	-1.3281
SDev	.0655	.2295	1.8668	.82756	3.9713	2.0625
%RSD	16.6	.4096	80.782	26.874	77.242	155.29

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.7858	-7.5505	5.0000	19038.5
SDev	.98819	1.3739	0	63.2156
%RSD	55.336	18.197	0	.33204

Method: TOTAL Sample Name: HEPVH Operator: KLC
Run Time: 07/13/05 12:55 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1742	122.6	.31215	452.2	25.47	.0666
SDev	.8783	3.042	1.3886	2.777	.0026	.0239
%RSD	504.3	2.481	444.85	.6141	.0101	35.83

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	185200.	.1668	.9172	.1783	1.945	427.8
SDev	54.71	.0356	.23	.5646	.1435	8.966
%RSD	.0295	21.32	25.08	316.6	7.38	2.096

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6498.	43870.	582.8	4.239	130700.	2.235
SDev	9.245	89.97	1.145	1.033	136.1	.3502
%RSD	.1423	.2051	.1965	24.37	.1041	15.67

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2322	-.28458	.20921	.3231	-1.729	2.5374
SDev	2.1681	.00415	2.5829	1.968	.0053	.35627
%RSD	97.128	1.4593	1234.6	609	.3056	14.041

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0104	26.70	-1.5891	.36669	9.0885	-1.1908
SDev	.1787	.2589	1.2817	.63365	3.2043	1.6508
%RSD	1715	.9698	80.654	172.8	35.257	138.63

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3865	1.0059	5.0000	20200.4
SDev	2.542	2.6034	0	54.0219
%RSD	183.34	258.82	0	.26742

Method: TOTAL Sample Name: HEPVJ Operator: KLC
Run Time: 07/13/05 12:59 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0461	274.2	3.9757	68.41	68.41	.0695
SDev	.1045	2.906	.80483	.5767	.3212	.0056
%RSD	226.8	1.06	20.244	.8429	.4696	8.05

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	489600.	.0134	.3406	.5477	1.910	13360.
SDev	1340	.0499	.1279	.4121	.0838	20.92
%RSD	.2738	371.8	37.56	75.24	4.387	.1566

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2231.	84630.	1157.	2.141	16320.	1.427
SDev	14.84	193.2	2.569	.1203	198.7	.1802
%RSD	.6652	.2283	.222	5.617	1.218	12.63

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3733	.99303	-1.8397	-2.481	-6.146	1.2332
SDev	2.1771	.50819	.08715	.0362	.3351	.66628
%RSD	158.53	51.176	4.7371	1.459	5.452	54.027

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2453	22.46	-1.0933	2.0346	6.4235	-1.1481
SDev	.2431	.2509	.63208	.44634	1.6572	2.4366
%RSD	99.13	1.117	57.816	21.937	25.798	212.24

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.60180	-2.4578	5.0000	20024.2
SDev	2.2138	.97459	0	53.7401
%RSD	367.87	39.653	0	.26837

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 13:06 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	975.1	24780.	493.25	4884.	1998.	2038.
SDev	12.84	324.2	7.8474	37.35	26.52	27.48
%RSD	1.317	1.308	1.591	.7646	1.328	1.348

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50100.	501.4	2008.	2013.	1998.	24960.
SDev	708.2	6.682	27.2	25.94	27.1	323.1
%RSD	1.414	1.333	1.355	1.288	1.357	1.295

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49420.	48870.	2000.	1997.	46510.	1916.
SDev	563.9	666.1	26.87	20.1	579.1	31.65
%RSD	1.141	1.363	1.343	1.006	1.245	1.652

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	503.24	501.08	499.57	4943.	4997.	1001.9
SDev	6.0447	6.5719	6.662	72.51	64.06	7.0588
%RSD	1.2012	1.3115	1.3336	1.467	1.282	.70454

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1992.	2005.	501.36	500.95	511.98	498.88
SDev	26.52	26.97	6.4456	6.6349	3.0133	7.5582
%RSD	1.331	1.345	1.2856	1.3245	.58855	1.515

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	493.30	502.69	5.0000	20413
SDev	10.465	4.7634	0	231.083
%RSD	2.1214	.94758	0	1.13203

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 13:13 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4047	12.53	.79041	10.93	.5154	.5492
SDev	.3096	1.286	.27948	1.306	.202	.1805
%RSD	76.52	10.26	35.36	11.95	39.18	32.88

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	80.72	.0974	.6640	.1950	1.437	8.884
SDev	10.45	.0369	.3285	.2913	.5096	3.944
%RSD	12.94	37.9	49.48	149.4	35.46	44.39

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	175.0	16.68	.5723	.7981	-165.6	2.086
SDev	5.25	2.806	.1558	.002	95.93	.5092
%RSD	3.001	16.83	27.23	.2559	57.95	24.41

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4776	.46677	.93507	2.468	1.882	1.7325
SDev	2.5931	1.0907	.62262	.9095	.4642	.68943
%RSD	175.49	233.67	66.586	36.85	24.67	39.795

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9241	1.091	1.2705	.06552	2.6918	.87143
SDev	.0584	.1822	1.7366	.76824	4.0269	1.8773
%RSD	6.315	16.7	136.69	1172.4	149.6	215.43

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2491	2.0255	5.0000	20339.5
SDev	.75189	.55809	0	22.7683
%RSD	60.194	27.553	0	.11194

Method: TOTAL Sample Name: HEPVK Operator: KLC
Run Time: 07/13/05 13:18 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3446	100.1	-.11707	1518.	12.08	.1903
SDev	.2101	1.936	1.7805	8.102	.1239	.0144
%RSD	60.97	1.934	1520.9	.5338	1.025	7.554

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	522600.	.0464	2.531	-.0518	2.480	1107.
SDev	1694	.1003	.1964	.1471	.1777	.3906
%RSD	.3241	216.3	7.759	284.1	7.163	.0353

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13950.	268500.	747.5	.6355	H1544e3	16.48
SDev	77.7	979	2.653	.6782	4270	.5776
%RSD	.5569	.3646	.3549	106.7	.2765	3.505

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.3018	-.93870	-.78697	-11.61	-8.344	2.8733
SDev	.9983	.15429	.34262	.4084	.4037	1.0863
%RSD	23.206	16.437	43.536	3.519	4.839	37.807

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8459	45.95	-2.5406	-.13897	10.240	1.3370
SDev	.0291	.2019	.83316	.64728	.69111	1.8417
%RSD	3.435	.4394	32.794	465.77	6.749	137.75

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-3.0069	.32131	5.0000	19161.6
SDev	.44019	.73344	0	79.4791
%RSD	14.639	228.26	0	.41478

Method: TOTAL Sample Name: HEPVL Operator: KLC
Run Time: 07/13/05 13:23 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4080	266.1	.55228	411.6	45.92	.0871
SDev	.3686	1.462	.58675	2.073	.2548	.0165
%RSD	90.33	.5492	106.24	.5036	.5549	18.94

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	154400.	.0083	.4311	.3535	2.059	788.0
SDev	411.9	.0148	.2539	.0479	.0264	3.585
%RSD	.2667	177.6	58.89	13.55	1.284	.455

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5264.	47950.	112.5	2.526	153500.	1.989
SDev	8.197	59.03	.3413	.3883	365.6	1.007
%RSD	.1557	.1231	.3032	15.37	.2382	50.63

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.05828	-.28826	1.6321	-.3767	-.0825	.79802
SDev	3.1461	.25212	1.8796	2.026	.4657	.53917
%RSD	5398	87.463	115.16	537.8	564.2	67.564

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4223	30.50	-1.4081	.27083	5.0042	-2.5857
SDev	.09	.0667	.08815	.422	.85818	4.2884
%RSD	21.3	.2187	6.2606	155.82	17.149	165.85

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0710	1.9123	5.0000	20222.2
SDev	.49454	2.5712	0	37.6189
%RSD	46.178	134.45	0	.18602

Method: TOTAL Sample Name: HEPVM Operator: KLC
Run Time: 07/13/05 13:28 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0674	222.0	.80784	645.2	541.5	.0641
SDev	.1586	.7909	1.2333	.9705	.5214	.0172
%RSD	235.2	.3562	152.67	.1504	.0963	26.89

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45090.	-.0555	-.0835	.0527	1.751	673.4
SDev	9.596	.0041	.2259	.1336	.0508	1.115
%RSD	.0213	7.307	270.7	253.7	2.901	.1656

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6918.	12280.	45.50	.8855	241200.	.8038
SDev	4.622	16.33	.0378	1.134	65.95	.5035
%RSD	.0668	.133	.0832	128.1	.0273	62.64

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9871	.57679	.96037	-1.079	.8976	1.8067
SDev	1.7573	.64043	1.5677	.4159	.0003	.31935
%RSD	88.439	111.03	163.24	38.55	.0341	17.676

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1897	28.67	-.35892	1.0439	9.7348	-1.8810
SDev	.1189	.2596	.05616	.9882	2.2477	1.5125
%RSD	62.66	.9053	15.647	94.661	23.089	80.411

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.31567	1.2822	5.0000	20437
SDev	2.0173	3.3575	0	9.61637
%RSD	639.05	261.85	0	.04705

Method: TOTAL Sample Name: HEPVN Operator: KLC
Run Time: 07/13/05 13:33 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2366	566.2	3.2459	78.85	69.84	.0802
SDev	.2615	5.424	.26742	.0447	.0305	.0183
%RSD	110.5	.958	8.2388	.0567	.0436	22.82

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	84150.	.1501	3.420	.7975	5.273	3171.
SDev	57.62	.0405	.3032	.489	.0094	4.439
%RSD	.0685	26.96	8.865	61.32	.1779	.14

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3362.	19500.	535.4	1.713	3735.	4.675
SDev	6.391	29.02	.2442	.7547	11.14	1.064
%RSD	.1901	.1488	.0456	44.05	.2982	22.77

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0632	3.0672	-.16905	-.6861	2.852	3.0650
SDev	.83001	.03318	.8662	.6243	.0013	1.2782
%RSD	40.23	1.0819	512.38	90.99	.0468	41.702

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.024	27.29	1.8361	3.6818	7.2577	-.53012
SDev	.0302	.1412	1.1651	.5319	4.9399	3.7107
%RSD	2.947	.5175	63.453	14.447	68.065	699.96

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.12924	-.18893	5.0000	20422.8
SDev	1.6543	2.1246	0	10.4657
%RSD	1280	1124.5	0	.05124

Method: TOTAL Sample Name: HEPVQ Operator: KLC
Run Time: 07/13/05 13:37 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1039	77.97	4.9382	115.0	14.76	.0567
SDev	.0187	2.052	1.2818	.5071	.0648	.0022
%RSD	18.03	2.632	25.957	.441	.4389	3.795

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	523600.	.0888	5.953	.2978	1.602	3782.
SDev	952.6	.0221	.0928	.2021	.1569	6.376
%RSD	.1819	24.91	1.558	67.85	9.79	.1686

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2927.	125800.	1669.	2.162	39060.	10.83
SDev	1.404	268.8	4.146	.5245	83.58	.7144
%RSD	.048	.2138	.2485	24.26	.2139	6.595

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.57355	-.63593	-.65715	-4.072	-7.957	2.6003
SDev	1.7525	.00679	.80084	1.713	.0162	1.4689
%RSD	305.55	1.0681	121.87	42.08	.2041	56.489

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2262	17.91	-2.2794	.18453	5.4145	-1.8433
SDev	.061	.1878	1.4553	.73676	4.5316	.36496
%RSD	26.95	1.049	63.848	399.24	83.695	19.8

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.62979	-.67081	5.0000	19862
SDev	1.9855	.2094	0	39.3149
%RSD	315.26	31.217	0	.19794

Method: TOTAL Sample Name: HEPVR Operator: KLC
Run Time: 07/13/05 13:47 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2731	81.29	-.02744	7333.	8.589	.0708
SDev	.0228	4.358	.4088	18.87	.0398	.0106
%RSD	8.335	5.361	1489.5	.2573	.464	15

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	418100.	.2427	23.73	-.4080	2.554	26190.
SDev	1441	.0593	.0164	.4508	.5341	94.33
%RSD	.3447	24.42	.0692	110.5	20.91	.3601

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3200.	169600.	15210.	-2.734	H1749e3	14.16
SDev	3.656	514.8	16.32	.4067	4126	.0073
%RSD	.1143	.3035	.1073	14.88	.2359	.0519

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.41523	.75094	-6.4926	-14.93	-6.990	-1.1477
SDev	.53944	.07699	.93874	.4765	.3666	.10171
%RSD	129.91	10.253	14.459	3.191	5.245	8.8623

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6874	57.14	-1.8331	2.0410	2.8232	-2.0320
SDev	.1878	.2288	.35642	.29337	3.2156	.79663
%RSD	27.33	.4004	19.444	14.374	113.9	39.205

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-3.2754	-8.0988	5.0000	19069.1
SDev	1.8698	.47388	0	8.62753
%RSD	57.088	5.8513	0	.04524

Method: TOTAL Sample Name: HEPVT Operator: KLC
Run Time: 07/13/05 13:59 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2861	121.8	1.0511	131.0	80.44	.0633
SDev	.4212	3.663	.28818	.3976	.1982	.021
%RSD	147.2	3.007	27.418	.3035	.2463	33.14

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	113100.	.0034	.4490	.9198	2.366	950.8
SDev	73.41	.0794	.025	.2505	.4894	4.788
%RSD	.0649	2368	5.571	27.23	20.69	.5036

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5441.	19100.	121.5	3.742	155500.	4.480
SDev	17.58	21.4	.1698	.1126	538.7	.4655
%RSD	.3231	.1121	.1397	3.01	.3463	10.39

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.3398	-.35906	.59960	-1.226	-.4047	3.2510
SDev	2.7676	.0082	.10512	.9676	.0019	.61865
%RSD	206.57	2.2861	17.532	78.91	.4594	19.03

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0155	13.09	-2.0180	.46915	3.1131	-3.5629
SDev	.2956	.0433	.02537	.00035	7.1635	.573
%RSD	1912	.3311	1.2572	.07667	230.11	16.082

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.96185	1.3792	5.0000	20416
SDev	2.1709	.92623	0	58.2659
%RSD	225.7	67.159	0	.28539

Method: TOTAL Sample Name: HEPVV Operator: KLC
Run Time: 07/13/05 14:48 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3282	857.0	2.9786	98.74	128.4	.1172
SDev	.0272	30.81	.01802	1.403	.6556	.0089
%RSD	8.293	3.596	.60514	1.421	.5108	7.583

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	104800.	.0547	.8771	.4839	3.081	1162.
SDev	450.2	.0379	.2283	.1047	.3947	7.647
%RSD	.4297	69.27	26.03	21.64	12.81	.6582

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4579.	17840.	597.6	3.664	154900.	4.052
SDev	28.58	81.51	2.461	1.531	616.6	.258
%RSD	.6241	.4569	.4117	41.79	.398	6.366

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4985	.53387	-1.4488	-1.371	17.70	1.2989
SDev	2.8861	.51857	.17088	.0666	3.29	.91375
%RSD	115.51	97.134	11.795	4.86	18.59	70.349

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.816	16.77	1.1476	.22747	7.3212	.09075
SDev	.6006	.133	1.2726	.1421	4.2203	2.2199
%RSD	33.08	.793	110.9	62.473	57.645	2446.2

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2531	-1.5465	5.0000	20389.9
SDev	2.6163	1.05	0	71.984
%RSD	208.78	67.897	0	.35303

Method: TOTAL Sample Name: HEPVVL Operator: KLC
Run Time: 07/13/05 15:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0377	189.0	.12676	20.12	25.70	.0752
SDev	.1878	.5128	.37668	.8201	.0738	.0025
%RSD	497.7	.2713	297.15	4.076	.287	3.389

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21240.	-.0704	.3601	.2145	1.163	235.5
SDev	96.56	.0708	.2026	.1828	.1273	3.159
%RSD	.4547	100.5	56.28	85.22	10.94	1.342

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	937.7	3577.	120.9	.8024	31120.	.6221
SDev	7.82	18.9	.6084	.2583	139.8	.232
%RSD	.834	.5283	.5033	32.2	.4491	37.29

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5129	.74045	-.88281	-.8768	4.010	1.5316
SDev	2.0263	.05481	.79973	.7623	.4523	2.4735
%RSD	133.94	7.4028	90.59	86.94	11.28	161.5

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2028	6.672	1.2641	.47904	6.3616	-.90787
SDev	.4752	.2879	.30193	.06855	1.4671	2.3055
%RSD	234.3	4.315	23.886	14.311	23.061	253.95

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.72731	-.96044	5.0000	20320.6
SDev	2.1748	2.2848	0	56.8517
%RSD	299.02	237.89	0	.27977

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 15:17 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	988.8	25100.	500.08	4919.	2012.	2061.
SDev	12.11	316.5	4.2975	44.9	20.81	22.66
%RSD	1.224	1.261	.85936	.9129	1.034	1.099

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50370.	505.7	2023.	2029.	2021.	25020.
SDev	574.3	5.743	21.79	22.38	22.96	286.5
%RSD	1.14	1.136	1.077	1.103	1.136	1.145

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49930.	49120.	2006.	2013.	46970.	1927.
SDev	644.2	551.4	21.03	18.41	355.4	23.88
%RSD	1.29	1.122	1.049	.9149	.7567	1.24

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.57	503.10	503.24	4983.	5055.	1008.8
SDev	6.1531	3.7191	4.7328	52.14	54.24	10.347
%RSD	1.2195	.73923	.94046	1.046	1.073	1.0257

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2005.	2022.	502.50	503.39	509.85	501.94
SDev	22.84	20.84	2.7658	4.195	6.4933	5.9832
%RSD	1.139	1.031	.5504	.83334	1.2736	1.192

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	500.10	504.81	5.0000	20177.1
SDev	5.3509	4.4242	0	165.321
%RSD	1.07	.87641	0	.81934

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 15:24 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0060	6.996	-.95102	6.971	.6056	.5938
SDev	.3082	.2042	.96646	1.17	.0682	.1441
%RSD	5173	2.918	101.62	16.78	11.25	24.26

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	191.9	.0650	.4855	.2055	1.042	1.305
SDev	34.6	.0523	.1258	.0463	.1948	6.064
%RSD	18.03	80.41	25.91	22.52	18.69	464.6

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	167.7	12.48	.5975	.9703	-332.1	.4920
SDev	1.366	2.978	.1148	.0024	198.3	.5058
%RSD	.8146	23.86	19.21	.2444	59.7	102.8

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.19768	.28120	-.53613	1.130	1.632	.78664
SDev	.06692	.28906	2.1352	1.806	.1168	1.0086
%RSD	33.854	102.8	398.25	159.9	7.161	128.21

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4596	4.142	-.14633	.49465	5.3599	-2.3796
SDev	.0587	.843	.10121	.38285	2.1016	.94888
%RSD	12.77	20.35	69.171	77.398	39.209	39.876

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.54060	-.53390	5.0000	20408
SDev	.75253	2.8255	0	24.0416
%RSD	139.2	529.21	0	.1178

Method: TOTAL Sample Name: HE87XB 5193037 Operator: KLC
Run Time: 07/13/05 15:29 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0846	2.221	-.19897	2.230	1.212	.2430
SDev	.2322	1.539	.61526	1.436	.0058	.0481
%RSD	274.5	69.29	309.22	64.37	.4797	19.8

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	226.6	.1984	.3077	.2156	1.880	20.68
SDev	1.522	.0092	.126	.1943	.1327	1.469
%RSD	.6717	4.649	40.96	90.14	7.061	7.104

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	180.7	17.01	1.646	.6981	53.55	.8770
SDev	3.63	.3804	.0712	.6335	8.749	.3988
%RSD	2.009	2.237	4.328	90.76	16.34	45.48

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1488	1.3130	1.0895	H25.28	.8962	1.9316
SDev	.70092	.10113	.49333	1.639	.002	1.74
%RSD	22.26	7.7024	45.279	6.485	.2242	90.082

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5824	H33.10	-.15627	2.0465	8.2144	.61982
SDev	.1797	.2203	.81115	.25334	2.4182	.15643
%RSD	30.85	.6656	519.05	12.379	29.439	25.238

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2568	2.2610	5.0000	20479.6
SDev	.09656	.69141	0	63.3565
%RSD	7.6835	30.58	0	.30936

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 15:34 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	982.9	24860.	494.47	4855.	1997.	2047.
SDev	3.431	112	1.2177	39.16	9.971	7.695
%RSD	.3491	.4504	.24626	.8065	.4993	.376

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50070.	503.6	2009.	2015.	2000.	24790.
SDev	185.8	1.572	8.042	8.629	12.05	120.5
%RSD	.371	.3122	.4003	.4282	.6027	.4861

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49370.	48810.	1989.	1997.	46380.	1921.
SDev	167.5	215.7	9.549	12.97	276.1	7.499
%RSD	.3392	.4418	.48	.6493	.5953	.3905

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	503.60	500.59	498.47	4946.	5009.	1003.8
SDev	.37265	1.7437	1.3644	15.42	24.26	5.5558
%RSD	.07399	.34832	.27371	.3118	.4843	.55349

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1987.	2011.	500.36	500.71	504.04	503.38
SDev	8.891	8.732	.46114	2.384	1.2949	.08778
%RSD	.4475	.4342	.09216	.47613	.2569	.01743

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	497.30	499.05	5.0000	20255.7
SDev	1.6919	1.2009	0	30.9704
%RSD	.34021	.24063	0	.15289

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 15:41 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0049	7.912	-.45376	7.762	.5878	.6261
SDev	.5541	4.236	1.6458	.7924	.1088	.1723
%RSD	11280	53.54	362.7	10.21	18.51	27.52

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	254.6	.0616	.2698	.2749	1.132	1.294
SDev	5.864	.0463	.2792	.0784	.0456	3.207
%RSD	2.304	75.2	103.5	28.51	4.031	247.8

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	174.8	15.71	.5622	.6207	-370.6	1.411
SDev	5.298	1.699	.1291	.0108	252.1	1.211
%RSD	3.031	10.81	22.96	1.739	68.04	85.81

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.16169	.67997	.76856	1.511	1.394	1.3251
SDev	.45583	.80101	.44692	.2889	.4705	1.6773
%RSD	281.91	117.8	58.151	19.11	33.76	126.58

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8402	5.587	.47515	.78223	3.2776	-1.8788
SDev	.291	.2554	.76364	1.5822	2.7896	.7093
%RSD	34.64	4.57	160.72	202.26	85.111	37.754

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.72260	1.5130	5.0000	20319.5
SDev	1.3323	.00488	0	135.624
%RSD	184.38	.32269	0	.66745

Method: TOTAL Sample Name: HE87XC Operator: KLC
Run Time: 07/13/05 15:46 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L4.029	1809.	1728.2	802.3	1754.	46.53
SDev	.4481	3.41	8.6006	1.589	6.459	.2184
%RSD	11.12	.1885	.49765	.198	.3682	.4694

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L263.3	46.09	451.6	182.3	235.3	1044.
SDev	1.589	.1246	1.435	.5144	.7972	3.09
%RSD	.6037	.2704	.3178	.2822	.3388	.2961

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L196.2	L12.82	441.9	875.5	L-599.3	438.5
SDev	.1948	.1193	1.529	2.597	47.96	2.143
%RSD	.0993	.9305	.3461	.2966	8.003	.4887

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1755.7	453.45	441.04	1795.	904.6	1777.1
SDev	2.2327	.6194	.0943	5.352	2.919	10.051
%RSD	.12716	.13659	.02138	.2981	.3227	.56557

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	437.8	460.2	452.97	453.69	1746.4	1760.4
SDev	1.714	1.937	.89346	.48257	.69899	3.6963
%RSD	.3916	.4209	.19724	.10636	.04002	.20996

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	436.64	443.23	5.0000	20494.6
SDev	.29302	.00492	0	40.1628
%RSD	.0671	.00111	0	.19596

Method: TOTAL Sample Name: HE7T6 Operator: KLC
Run Time: 07/13/05 15:52 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5982	141400.	89.752	53.33	1230.	8.293
SDev	.1023	1289	.21287	.1178	11.84	.0667
%RSD	17.1	.9121	.23718	.2208	.962	.8048

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	33660.	1.442	138.6	212.2	311.1	238200.
SDev	302.2	.008	1.364	1.607	3.065	2753
%RSD	.8979	.5559	.9843	.7576	.9852	1.155

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14700.	57760.	5024.	26.19	91.99	522.4
SDev	118.9	562.7	53.23	.9194	108.3	6.36
%RSD	.8094	.9742	1.06	3.51	117.7	1.217

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.4689	150.12	3.7394	13.84	820.2	9.0470
SDev	.28098	.60431	1.3034	.2627	8.436	1.8233
%RSD	11.381	.40256	34.857	1.898	1.028	20.154

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	228.1	525.5	145.93	152.21	7.1546	-7.2735
SDev	1.866	3.581	1.3974	.20836	.9337	.88742
%RSD	.8184	.6815	.95761	.13689	13.051	12.201

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.99207	5.1110	5.0000	22016.2
SDev	2.2466	.83252	0	169.141
%RSD	226.46	16.289	0	.76825

Method: TOTAL Sample Name: HE7VD Operator: KLC
Run Time: 07/13/05 15:57 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5552	80710.	77.995	64.86	401.2	5.253
SDev	.3386	517.4	1.8938	2.577	2.57	.026
%RSD	60.99	.6411	2.428	3.973	.6406	.4942

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	380500.	1.979	154.1	138.6	236.1	171800.
SDev	1967	.0889	.8052	1.022	1.025	946.1
%RSD	.517	4.493	.5226	.7378	.4343	.5506

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11440.	176700.	3976.	35.49	389.8	271.6
SDev	99.95	957.8	20.56	1.335	237.8	1.58
%RSD	.8734	.542	.5171	3.76	61	.5816

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.1447	130.30	2.0217	9.867	1188.	5.7919
SDev	1.7397	1.4147	.05491	.4861	6.612	1.9594
%RSD	55.322	1.0857	2.7164	4.926	.5568	33.829

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.3	399.6	124.92	132.99	-1.0140	-4.2085
SDev	1.707	1.854	.02597	2.1339	2.2304	1.4948
%RSD	1.014	.464	.02078	1.6046	219.96	35.518

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.24089	2.9107	5.0000	20468.4
SDev	.8053	.48438	0	113.985
%RSD	334.3	16.641	0	.55688

Method: TOTAL Sample Name: HE7VE Operator: KLC
Run Time: 07/13/05 16:01 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8091	87540.	76.326	82.30	369.0	5.492
SDev	.0172	166.8	.51112	1.02	.6886	.0056
%RSD	2.126	.1906	.66966	1.239	.1866	.1011

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	394200.	2.273	158.5	155.5	246.4	184200.
SDev	539.1	.0744	.0095	.2737	.1079	474.7
%RSD	.1368	3.272	.006	.176	.0438	.2577

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15500.	204400.	4763.	44.44	422.5	344.5
SDev	.531	85.39	10.09	.1251	220.9	.8496
%RSD	.0034	.0418	.2119	.2815	52.29	.2466

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-5.9105	130.10	1.7453	8.616	1445.	5.8931
SDev	.75201	.69746	.30446	.5809	2.365	1.0159
%RSD	12.723	.53609	17.444	6.742	.1637	17.239

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	179.9	489.9	125.44	132.43	-.86829	-8.4279
SDev	.0867	.3518	.38882	.85154	1.0541	1.6537
%RSD	.0482	.0718	.30997	.64303	121.4	19.622

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.30890	2.7709	5.0000	20665
SDev	.72713	.81948	0	1.98045
%RSD	235.39	29.575	0	.00958

Method: TOTAL Sample Name: HE7VG Operator: KLC
Run Time: 07/13/05 16:06 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3354	89250.	59.420	97.08	394.3	5.521
SDev	.0844	188.1	1.0992	1.461	1.038	.0265
%RSD	25.17	.2108	1.85	1.505	.2631	.4807

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	381500.	1.787	93.11	161.3	199.5	171800.
SDev	1044	.0359	.2244	.5969	.6018	549.6
%RSD	.2738	2.007	.241	.3701	.3017	.3199

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18310.	184900.	3957.	39.96	383.4	292.0
SDev	9.564	280.1	10.59	.098	95.94	.2144
%RSD	.0522	.1515	.2675	.2451	25.02	.0734

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-6.2283	106.38	2.2796	11.05	1472.	4.4258
SDev	.75116	.70716	1.295	.1642	4.328	.52807
%RSD	12.06	.66477	56.809	1.486	.2941	11.932

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	179.9	458.8	102.18	108.47	-.04300	-9.3164
SDev	.1439	1.314	1.4016	.36048	2.5402	.14202
%RSD	.08	.2864	1.3717	.33232	5906.9	1.5244

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.22638	3.5307	5.0000	20640.1
SDev	2.8304	.52847	0	11.1715
%RSD	1250.3	14.968	0	.05412

Method: TOTAL Sample Name: HE7VH Operator: KLC
Run Time: 07/13/05 16:11 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1711	66460.	52.494	69.54	211.2	4.261
SDev	.3489	48.09	2.1847	.6989	.2023	.0107
%RSD	203.9	.0724	4.1617	1.005	.0958	.251

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	289100.	1.883	83.31	127.4	257.3	151600.
SDev	326.9	.1091	.1396	.3643	.587	186.6
%RSD	.1131	5.795	.1675	.2859	.2281	.1231

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14200.	184800.	2092.	57.58	461.2	239.3
SDev	2.203	459.1	4.225	.6001	2.178	.6044
%RSD	.0155	.2485	.202	1.042	.4723	.2525

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.8675	117.15	4.0514	11.67	1069.	6.8200
SDev	.57093	.68825	.03104	.136	.9737	.83802
%RSD	19.91	.58748	.76631	1.165	.0911	12.288

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	140.5	517.3	114.66	118.40	9.5911	-.48923
SDev	.182	.9617	1.8052	1.9331	4.2107	1.2462
%RSD	.1295	.1859	1.5745	1.6327	43.902	254.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.74884	5.7002	5.0000	20731.3
SDev	.16112	.12698	0	51.9019
%RSD	21.516	2.2277	0	.25035

Method: TOTAL Sample Name: HE7VL Operator: KLC
Run Time: 07/13/05 16:16 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6081	68910.	53.679	80.01	189.5	4.172
SDev	.3927	22.66	.11346	.2524	.0137	.0044
%RSD	64.58	.0329	.21138	.3155	.0072	.1046

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	495100.	2.142	76.14	128.4	190.3	153800.
SDev	732.1	.0843	.1122	.1182	.6859	204
%RSD	.1479	3.935	.1474	.0921	.3603	.1326

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17780.	250600.	3658.	45.33	461.4	191.7
SDev	27.54	684.5	4.527	.309	36.62	.2248
%RSD	.1548	.2731	.1237	.6816	7.936	.1173

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-4.7493	110.21	1.0578	11.16	995.2	3.4880
SDev	.9865	.86817	1.4628	.7937	.704	4.2522
%RSD	20.772	.78776	138.28	7.112	.0707	121.91

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	150.3	436.0	105.38	112.62	3.5326	-8.8840
SDev	.0902	.8132	1.3854	.60997	2.5196	.2211
%RSD	.06	.1865	1.3147	.54162	71.325	2.4888

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.8386	2.5038	5.0000	20886.9
SDev	.42889	2.4072	0	30.1239
%RSD	23.328	96.139	0	.14422

Method: TOTAL Sample Name: HE7VN Operator: KLC
Run Time: 07/13/05 16:21 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2237	69630.	51.923	86.70	146.8	4.403
SDev	.462	47.25	.07998	.2253	.077	.0035
%RSD	206.5	.0678	.15405	.2598	.0525	.0785

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	393700.	2.426	92.79	132.6	187.0	158300.
SDev	476.7	.1428	.1772	.3121	.0305	136
%RSD	.1211	5.887	.191	.2354	.0163	.0859

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18900.	219700.	3023.	38.47	423.5	224.5
SDev	21.4	646.8	4.097	.4602	68.05	1.034
%RSD	.1132	.2944	.1355	1.196	16.07	.4605

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.4233	98.263	.54986	11.40	865.7	5.0342
SDev	2.0923	.56365	3.539	1.013	.5789	1.4748
%RSD	86.342	.57361	643.62	8.885	.0669	29.295

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	152.1	498.5	93.618	100.58	7.9152	-7.5848
SDev	.0972	.6998	1.3403	.17591	3.694	1.2927
%RSD	.0639	.1404	1.4317	.17489	46.669	17.043

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6739	1.6601	5.0000	20660.2
SDev	2.1412	4.2369	0	21.4963
%RSD	127.92	255.22	0	.10404

Method: TOTAL Sample Name: HE7VQ Operator: KLC
Run Time: 07/13/05 16:26 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0880	54600.	75.565	82.05	226.6	3.616
SDev	.1688	38.16	.82168	.7605	.0571	.0014
%RSD	191.7	.0699	1.0874	.9269	.0252	.04

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H741600.	3.250	82.63	105.6	216.1	171200.
SDev	80.17	.0711	.2692	.167	.2485	28.21
%RSD	.0108	2.188	.3258	.1581	.115	.0165

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15460.	415700.	4263.	41.49	770.1	187.9
SDev	22.08	649.3	1.567	.2483	124.3	.524
%RSD	.1428	.1562	.0368	.5986	16.14	.2789

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-5.2952	100.60	.58265	10.80	896.0	5.2674
SDev	.04341	.43964	1.3069	1.285	.7865	.297
%RSD	.81985	.43701	224.3	11.9	.0878	5.6386

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	122.5	495.4	95.381	103.21	8.1692	-12.017
SDev	.3691	.352	.66229	.32849	1.0896	.47892
%RSD	.3014	.0711	.69436	.31827	13.339	3.9853

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3515	1.5483	5.0000	20353.3
SDev	.41317	2.1656	0	2.12132
%RSD	30.57	139.87	0	.01042

Method: TOTAL Sample Name: HE7VR Operator: KLC
Run Time: 07/13/05 16:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3357	23790.	43.243	57.22	87.94	1.937
SDev	.4136	91.7	.53618	.3013	.4326	.0292
%RSD	123.2	.3854	1.2399	.5266	.4919	1.509

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H1008e3	2.755	44.36	50.22	135.6	109200.
SDev	4325	.074	.1772	.8992	.6136	408.2
%RSD	.4291	2.687	.3994	1.79	.4524	.374

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6880.	S2107e3	4425.	58.73	1122.	145.3
SDev	50.8	16140	16.75	1.767	36.06	1.358
%RSD	.7383	.7663	.3787	3.009	3.214	.9344

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.41499	103.71	1.7651	13.12	472.7	5.5804
SDev	.32727	.52632	1.8655	.7316	1.801	.85727
%RSD	78.862	.50752	105.69	5.576	.381	15.362

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	82.25	324.9	101.05	105.03	4.4413	-1.5951
SDev	.4549	1.307	.84409	1.2105	3.3843	2.1803
%RSD	.5531	.4023	.83532	1.1525	76.2	136.68

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.43708	2.4281	5.0000	19554.9
SDev	.13653	2.8651	0	149.2
%RSD	31.237	117.99	0	.76297

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 16:37 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	989.2	24920.	495.43	4816.	2009.	2053.
SDev	.9913	35.86	1.4081	10.99	2.667	2.3
%RSD	.1002	.1439	.28421	.2283	.1328	.1121

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50410.	505.5	2013.	2017.	2011.	24470.
SDev	79.88	.2616	2.151	.967	2.692	43.43
%RSD	.1585	.0517	.1069	.0479	.1339	.1775

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49640.	48970.	2019.	1998.	46760.	1945.
SDev	70.8	106.8	3.354	.5996	72.62	5.928
%RSD	.1426	.2181	.1661	.03	.1553	.3047

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	503.00	500.94	500.09	4953.	5007.	1006.2
SDev	.96156	2.3973	3.0371	6.655	6.157	4.4492
%RSD	.19116	.47855	.60731	.1344	.123	.44216

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1981.	2022.	498.10	502.36	503.68	502.66
SDev	2.514	2.218	3.9141	1.64	.04164	1.4624
%RSD	.1269	.1097	.78581	.32646	.00826	.29093

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	498.50	500.89	5.0000	20187.5
SDev	1.3766	3.8661	0	28.7082
%RSD	.27614	.77185	0	.1422

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 16:44 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1197	3.014	-1.1453	5.703	.5347	.6805
SDev	.5604	4.962	1.1858	2.959	.168	.1623
%RSD	468.3	164.6	103.54	51.89	31.42	23.85

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	247.9	.1689	.5744	.7389	.4062	17.20
SDev	34.2	.0486	.302	.3131	.4624	10
%RSD	13.8	28.75	52.57	42.38	113.8	58.15

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	171.4	36.23	.7980	1.773	-370.4	1.400
SDev	7.955	10.81	.2367	.3815	72.18	1.009
%RSD	4.641	29.85	29.66	21.52	19.49	72.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.3952	-.41049	1.7312	2.330	1.224	.78854
SDev	1.7201	.35734	.35329	1.703	.4619	.92709
%RSD	50.663	87.052	20.408	73.11	37.72	117.57

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6480	5.060	-.20213	-.51452	4.8131	2.6873
SDev	.2675	.5637	1.8725	1.4706	3.8684	.64764
%RSD	41.28	11.14	926.39	285.82	80.371	24.1

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.0007	2.0959	5.0000	20412.4
SDev	2.5934	.76509	0	23.7599
%RSD	259.17	36.505	0	.11639

Method: TOTAL Sample Name: HE7VT Operator: KLC
Run Time: 07/13/05 16:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1343	35280.	80.494	62.06	147.2	2.848
SDev	.3736	21.05	.659	1.468	.2038	.0342
%RSD	278.1	.0597	.81869	2.365	.1385	1.201

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H832200.	2.832	76.40	75.08	197.0	141400.
SDev	126.2	.0062	.2624	.5346	.344	75.77
%RSD	.0152	.2183	.3435	.712	.1746	.0536

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9417.	474900.	5067.	41.01	1289.	167.1
SDev	28.93	293.4	1.573	.1649	61.34	.8451
%RSD	.3072	.0618	.0311	.402	4.757	.5057

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-5.3205	93.200	.47928	8.351	666.8	4.6687
SDev	.54953	1.3576	.33434	.6835	.2388	.73117
%RSD	10.329	1.4567	69.759	8.184	.0358	15.661

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	98.63	424.3	90.507	94.544	-1.7544	-7.1009
SDev	.1253	.1827	3.3146	.38059	.81752	.41574
%RSD	.1271	.0431	3.6623	.40255	46.598	5.8547

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.53614	.45089	5.0000	19995.5
SDev	.01421	.49416	0	45.9619
%RSD	2.6515	109.6	0	.22986

Method: TOTAL Sample Name: HE7VV Operator: KLC
Run Time: 07/13/05 16:54 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5761	49210.	67.749	70.31	282.9	3.348
SDev	.1894	31.15	3.6205	1.755	.1586	.0013
%RSD	32.88	.0633	5.344	2.496	.0561	.0378

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H764800.	2.638	74.40	94.41	188.1	141200.
SDev	1101	.0725	.0863	.3907	.3184	251.4
%RSD	.144	2.748	.116	.4138	.1692	.1781

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11970.	423500.	3429.	33.34	1019.	171.8
SDev	8.431	145.8	2.135	.4867	138.6	.9005
%RSD	.0705	.0344	.0623	1.46	13.6	.5242

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.5725	92.357	2.1560	7.194	957.8	3.6358
SDev	1.4842	.35167	.10069	.5036	1.118	.11873
%RSD	94.384	.38077	4.6704	7	.1167	3.2657

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	115.2	432.2	88.917	94.075	7.5564	-6.1301
SDev	.942	.0046	2.1852	1.6182	1.8251	3.1364
%RSD	.8177	.0011	2.4576	1.7201	24.153	51.164

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.96078	3.7121	5.0000	20010.2
SDev	.69405	.49747	0	18.3848
%RSD	72.238	13.401	0	.09187

Method: TOTAL Sample Name: HE7VX Operator: KLC
Run Time: 07/13/05 16:59 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2261	25840.	34.851	54.31	74.94	1.874
SDev	.1731	34.96	1.0531	.1088	.3255	.0074
%RSD	76.59	.1353	3.0216	.2004	.4343	.3969

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H794000.	1.656	43.16	52.37	145.4	86350.
SDev	1118	.0106	.0238	.0183	.1636	169.1
%RSD	.1408	.6372	.055	.035	.1125	.1959

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6653.	493700.	2513.	23.36	843.6	97.00
SDev	17.72	1711	4.809	.1903	1.85	.7927
%RSD	.2664	.3465	.1914	.8146	.2193	.8172

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.3477	66.698	2.0852	15.32	599.3	2.3145
SDev	.77783	1.0925	.40183	.4731	1.607	.03885
%RSD	57.717	1.638	19.271	3.089	.2681	1.6789

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	67.55	243.9	63.745	68.173	4.9230	-4.4783
SDev	.1082	.6217	.13669	1.5697	1.164	1.7473
%RSD	.1602	.2549	.21444	2.3026	23.645	39.017

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.48457	2.8843	5.0000	19756.9
SDev	.9597	1.0816	0	49.0721
%RSD	198.05	37.5	0	.24837

Method: TOTAL Sample Name: HE7V0 Operator: KLC
Run Time: 07/13/05 17:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1610	31070.	73.553	60.83	175.3	2.149
SDev	.1753	192.9	.09337	.0528	1.295	.0204
%RSD	108.9	.6209	.12695	.0869	.7389	.9476

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	H995200.	2.463	59.77	60.79	180.5	113000.
SDev	5063	.0996	.1582	.0598	1.301	641.8
%RSD	.5088	4.042	.2647	.0985	.7204	.5678

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8200.	S2081e3	3198.	26.44	889.3	122.5
SDev	38.22	5501	18.83	.1834	226.8	1.658
%RSD	.4661	.2643	.5888	.6936	25.51	1.354

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.3566	85.709	.50358	12.58	584.2	7.0895
SDev	1.3284	.17665	3.1696	1.076	3.343	.22983
%RSD	39.576	.2061	629.4	8.552	.5722	3.2419

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	77.25	331.8	80.578	88.271	2.4588	-6.2599
SDev	.4118	1.888	.41965	.47435	.37585	2.1792
%RSD	.533	.5691	.52079	.53739	15.286	34.813

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.55251	.47915	5.0000	19790.4
SDev	.69663	5.0998	0	52.8921
%RSD	126.08	1064.3	0	.26726

Method: TOTAL Sample Name: HE7V2 Operator: KLC
Run Time: 07/13/05 17:08 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6676	121100.	83.194	39.61	1037.	7.441
SDev	.1333	301.4	.21477	.0504	2.451	.0049
%RSD	19.97	.249	.25816	.1272	.2362	.066

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34050.	3.960	67.46	173.1	207.4	176800.
SDev	192.2	.0313	.0921	.7616	.422	632.8
%RSD	.5646	.7914	.1365	.4399	.2034	.3579

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17390.	27470.	3848.	19.27	-314.4	164.5
SDev	27.81	216.9	11.63	.8172	109.7	.4469
%RSD	.16	.7897	.3024	4.24	34.89	.2717

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.0775	292.28	3.7140	19.01	643.3	3.6849
SDev	1.1501	.34533	2.1129	2.409	1.536	.97099
%RSD	22.651	.11815	56.889	12.67	.2388	26.35

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	240.5	629.1	284.33	296.25	15.589	-.17012
SDev	1.386	2.206	1.3009	1.1672	4.9168	.73043
%RSD	.5766	.3507	.45753	.39399	31.541	429.36

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5633	6.3487	5.0000	21151
SDev	.05025	3.1426	0	32.2438
%RSD	3.2145	49.5	0	.15244

Method: TOTAL Sample Name: HE7V2S Operator: KLC
Run Time: 07/13/05 17:13 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.208	173600.	1799.3	837.5	2974.	55.32
SDev	.4038	391.3	6.6246	.8922	7.038	.1725
%RSD	33.42	.2254	.36818	.1065	.2367	.3118

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36510.	49.69	530.2	402.1	448.5	189200.
SDev	82.93	.1046	2.357	1.161	1.03	635.3
%RSD	.2272	.2105	.4444	.2887	.2297	.3357

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30070.	32900.	5424.	859.4	-800.8	621.3
SDev	24.25	68.69	16.64	1.494	48.79	.9978
%RSD	.0806	.2088	.3069	.1739	6.093	.1606

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1732.9	758.49	205.11	1685.	1742.	1731.6
SDev	2.8597	5.1315	.60158	11.23	5.756	11.573
%RSD	.16502	.67654	.29329	.6662	.3304	.66833

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	757.6	1141.	750.40	762.52	1727.0	1735.8
SDev	2.305	3.349	4.0515	5.6707	2.3691	3.1047
%RSD	.3042	.2936	.53991	.74367	.13718	.17886

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	201.73	206.80	5.0000	20595.2
SDev	2.9359	.56382	0	89.6603
%RSD	1.4554	.27263	0	.43534

Method: TOTAL Sample Name: HE7V2D Operator: KLC
Run Time: 07/13/05 17:18 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.233	181700.	1836.5	846.6	3065.	56.85
SDev	.0701	36.96	2.6557	3.282	2.633	.1168
%RSD	5.682	.0203	.1446	.3876	.0859	.2054

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	38050.	50.73	532.6	420.6	463.1	205700.
SDev	72.35	.015	1.509	.8151	.2086	219.6
%RSD	.1902	.0295	.2833	.1938	.045	.1068

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30970.	34450.	5373.	874.4	-506.2	634.3
SDev	50.48	104.4	6.153	1.891	12.03	3.563
%RSD	.163	.3029	.1145	.2163	2.376	.5618

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1773.5	797.77	203.61	1713.	1747.	1762.6
SDev	3.2627	.60382	2.0283	4.633	.7827	2.2409
%RSD	.18396	.07568	.9962	.2705	.0448	.12713

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	789.8	1202.	788.65	802.33	1758.4	1781.1
SDev	.0103	2.364	3.7438	.96385	3.2707	3.2587
%RSD	.0013	.1967	.47471	.12013	.186	.18296

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	201.13	204.84	5.0000	20451.1
SDev	1.4882	3.784	0	58.973
%RSD	.73993	1.8473	0	.28836

Method: TOTAL Sample Name: HE7V7 Operator: KLC
Run Time: 07/13/05 17:24 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.382	92240.	79.914	32.27	1083.	8.252
SDev	.3222	535.9	.27945	.9467	7.724	.0974
%RSD	23.31	.581	.34969	2.934	.713	1.18

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	37960.	4.249	129.7	140.9	171.2	162400.
SDev	208.5	.0417	1.055	.3629	1.403	947.3
%RSD	.5493	.9823	.8135	.2576	.8194	.5833

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12840.	28750.	12500.	30.48	-344.3	193.4
SDev	87.09	170.1	66.63	.0209	122.9	.3373
%RSD	.6785	.5915	.533	.0686	35.69	.1744

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.3120	391.56	2.3291	15.39	1316.	7.3674
SDev	3.0838	.44517	2.5234	1.679	7.997	.47231
%RSD	93.11	.11369	108.35	10.91	.6076	6.4108

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	226.0	687.0	389.67	392.51	11.043	-.54768
SDev	1.281	4.32	1.367	1.3499	5.2599	1.9974
%RSD	.5667	.6288	.35081	.34392	47.632	364.7

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.5032	1.7429	5.0000	20791.2
SDev	.14608	3.7103	0	94.1874
%RSD	4.17	212.88	0	.45301

Method: TOTAL Sample Name: HE7V7L Operator: KLC
Run Time: 07/13/05 17:29 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0499	19580.	16.935	4.493	228.7	1.925
SDev	.1714	83.89	.68721	.304	.9116	.0104
%RSD	343.7	.4283	4.058	6.767	.3985	.5385

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8099.	.7007	27.71	29.56	36.14	34720.
SDev	32.43	.0563	.2945	.1228	.1655	138.1
%RSD	.4004	8.031	1.062	.4154	.4578	.3977

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2728.	6078.	2745.	6.767	-231.4	42.03
SDev	7.8	27.43	14.27	.1041	7.1	.945
%RSD	.2859	.4513	.5197	1.538	3.068	2.248

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.6172	85.525	.36711	4.560	278.6	2.9353
SDev	1.5819	.92217	1.1878	.2273	1.372	.35931
%RSD	60.441	1.0782	323.56	4.986	.4923	12.241

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.71	151.3	84.069	86.252	4.9697	1.4427
SDev	.0591	.2304	2.3743	.19717	4.5942	4.6653
%RSD	.1238	.1523	2.8243	.2286	92.445	323.36

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.55599	.27281	5.0000	19887.8
SDev	.50886	1.5268	0	64.2058
%RSD	91.524	559.66	0	.32284

Method: TOTAL Sample Name: HE88KB 5193045 Operator: KLC
Run Time: 07/13/05 17:36 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2741	31.23	-.46789	-2.995	2.926	.3017
SDev	.0689	6.677	1.1744	1.064	.0268	.0338
%RSD	25.12	21.38	251	35.54	.9163	11.22

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	159.3	-.0497	.1846	.0799	2.060	69.22
SDev	6.01	.033	.2341	.2404	.031	8.256
%RSD	3.774	66.38	126.8	301	1.506	11.93

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	190.9	20.75	3.145	.9167	-258.4	.6405
SDev	5.291	1.307	.458	.48	255.6	.088
%RSD	2.772	6.299	14.56	52.36	98.93	13.73

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0710	.30203	-.15611	H26.06	.2467	-1.2363
SDev	2.2708	1.0189	.40258	.2032	0	.95339
%RSD	212.04	337.33	257.89	.7798	0	77.117

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3046	6.758	-.59652	.75064	-.38359	1.7972
SDev	.1746	.4675	1.0179	2.0357	1.2966	2.7572
%RSD	57.34	6.919	170.63	271.2	338.01	153.42

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.4266	.47816	5.0000	19003.7
SDev	1.3599	.07536	0	615.325
%RSD	95.328	15.761	0	3.23792

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 17:41 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1080.	27050.	540.50	5135.	2195.	Q2237.
SDev	5.467	186.9	.75289	72.13	16	11.51
%RSD	.506	.6909	.13929	1.405	.7288	.5146

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54710.	Q553.4	2192.	2194.	2189.	26350.
SDev	257.9	2.176	10.91	12.4	14.01	181.2
%RSD	.4714	.3932	.4975	.5651	.6403	.6878

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53590.	52860.	2195.	2172.	50270.	2151.
SDev	429.9	304.1	11.87	17.11	166.3	12.18
%RSD	.8022	.5752	.5411	.7879	.3308	.5664

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	551.28	551.32	551.72	5405.	5419.	1098.5
SDev	4.7612	.46101	1.4433	25.52	35.65	7.055
%RSD	.86365	.08362	.26159	.4721	.658	.64224

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2145.	2210.	549.42	552.27	547.74	553.05
SDev	12.96	12.98	.48199	.93183	1.9566	6.1614
%RSD	.6044	.5873	.08772	.16872	.35722	1.1141

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	548.58	553.29	5.0000	18787.8
SDev	.72825	1.8003	0	35.6384
%RSD	.13275	.32537	0	.18968

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 17:48 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3683	25.73	-.42681	6.410	.6622	.8108
SDev	.1311	3.344	.17517	.8614	.0272	.1687
%RSD	35.58	13	41.043	13.44	4.102	20.81

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	441.2	.0955	.5055	.5875	1.222	9.148
SDev	1.6	.1062	.0539	.2479	.2967	2.687
%RSD	.3627	111.2	10.67	42.2	24.28	29.37

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	175.8	12.77	.8059	1.474	-419.4	1.580
SDev	3.229	1.536	.1561	.7898	56.83	.5123
%RSD	1.837	12.02	19.37	53.6	13.55	32.42

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4804	.06610	.37745	1.525	1.286	.16704
SDev	2.9915	.533	1.3937	.9453	.484	1.0031
%RSD	202.08	806.29	369.24	61.97	37.64	600.5

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.014	10.34	.76254	-.28159	5.9217	-.73696
SDev	.291	.3987	.71372	1.1554	4.7919	2.0927
%RSD	28.7	3.854	93.597	410.32	80.922	283.96

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.82564	.97809	5.0000	19175.7
SDev	1.8677	1.1571	0	119.784
%RSD	226.21	118.3	0	.62466

Method: TOTAL Sample Name: HE88KC Operator: KLC
Run Time: 07/13/05 17:53 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L4.203	1904.	1805.8	816.8	1855.	48.97
SDev	.5142	6.802	3.1801	6.46	3.334	.0716
%RSD	12.23	.3572	.17609	.7909	.1797	.1462

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L115.2	48.48	472.9	190.7	245.9	1063.
SDev	.0697	.0483	.9786	1.065	.9951	8.545
%RSD	.0605	.0996	.2069	.5584	.4047	.8037

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L187.2	L10.30	465.8	914.6	L-642.6	471.8
SDev	6.526	.7702	.7972	1.942	156.4	.2105
%RSD	3.487	7.48	.1712	.2123	24.34	.0446

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1830.9	474.99	463.31	1877.	940.1	1865.3
SDev	16.833	.51869	.43961	6.351	1.857	3.892
%RSD	.91938	.1092	.09488	.3383	.1975	.20865

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	451.6	482.2	472.63	476.17	1805.4	1843.7
SDev	.5766	1.091	1.5385	.00958	5.1603	22.661
%RSD	.1277	.2261	.32551	.00201	.28581	1.2291

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	458.79	465.57	5.0000	19528
SDev	.9	.20977	0	61.0943
%RSD	.19616	.04505	0	.31285

Method: TOTAL Sample Name: HE704 Operator: KLC
Run Time: 07/13/05 18:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1563	113400.	90.692	41.75	1099.	7.896
SDev	.8556	275.7	1.3205	.1391	3.002	.0234
%RSD	547.4	.243	1.4561	.3332	.2731	.2968

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36380.	4.852	74.06	173.0	234.9	180300.
SDev	89.11	.1435	.349	1.246	.5227	221.2
%RSD	.2449	2.957	.4713	.7204	.2226	.1227

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14910.	26600.	4509.	22.78	-382.9	170.0
SDev	45.21	50.29	8.707	.373	345.7	.5896
%RSD	.3033	.189	.1931	1.637	90.28	.3468

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.5214	321.58	2.8200	20.41	938.3	5.1705
SDev	2.5053	2.5274	.80553	.1505	2.176	2.4117
%RSD	45.373	.78591	28.565	.7374	.2319	46.642

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	242.7	668.4	316.27	324.24	11.151	2.7110
SDev	.7079	2.027	3.7349	1.9245	1.6147	2.9499
%RSD	.2917	.3033	1.1809	.59354	14.48	108.81

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.06268	4.1965	5.0000	19881.6
SDev	1.0664	1.7401	0	101.259
%RSD	1701.3	41.465	0	.5093

Method: TOTAL Sample Name: HE704S Operator: KLC
Run Time: 07/13/05 18:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.174	161300.	1824.4	777.9	2932.	55.85
SDev	.1899	268.8	8.2931	3.705	5.735	.1015
%RSD	16.18	.1667	.45457	.4762	.1956	.1818

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34750.	49.43	517.7	393.9	462.2	191400.
SDev	71.95	.2202	1.027	.8914	1.845	487.1
%RSD	.207	.4454	.1983	.2263	.3992	.2545

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25940.	31140.	4392.	868.5	-213.9	626.0
SDev	11.59	52.71	9.343	5.549	101	.4416
%RSD	.0447	.1693	.2127	.6389	47.22	.0705

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1761.7	749.25	194.90	1709.	1520.	1756.6
SDev	1.3639	1.5647	1.5549	2.093	2.471	11.663
%RSD	.07741	.20883	.79777	.1225	.1625	.66397

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	742.3	1159.	741.23	753.25	1747.0	1769.1
SDev	1.105	2.893	.62825	2.0321	.4699	1.8101
%RSD	.1488	.2496	.08475	.26977	.02689	.10232

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	191.16	196.77	5.0000	20435.7
SDev	.1682	2.2471	0	56.4263
%RSD	.08799	1.142	0	.27611

Method: TOTAL Sample Name: HE704D Operator: KLC
Run Time: 07/13/05 18:09 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.322	171500.	1881.5	812.2	3114.	57.93
SDev	.1337	1788	23.654	14.68	33.27	.6485
%RSD	10.12	1.043	1.2572	1.808	1.068	1.119

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	35510.	50.91	566.3	412.3	475.4	214600.
SDev	382.7	.7291	6.439	4.129	5.339	2488
%RSD	1.078	1.432	1.137	1.001	1.123	1.159

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27420.	32650.	5714.	895.6	-574.4	653.5
SDev	309.6	358.8	63.71	10.82	271.2	7.24
%RSD	1.129	1.099	1.115	1.208	47.21	1.108

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1803.8	781.65	204.22	1760.	1651.	1810.7
SDev	9.0943	4.8041	.52058	15.92	17.85	26.325
%RSD	.50418	.6146	.25491	.9045	1.081	1.4538

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	791.0	1195.	774.39	785.28	1793.1	1809.1
SDev	8.913	13.76	.70615	7.5551	7.7533	9.7638
%RSD	1.127	1.152	.09118	.96208	.4324	.53969

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	202.24	205.21	5.0000	19840.3
SDev	.63551	.4632	0	170.413
%RSD	.31423	.22572	0	.85892

Method: TOTAL Sample Name: HE705 Operator: KLC
Run Time: 07/13/05 18:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2833	94670.	101.18	29.40	830.7	7.036
SDev	.6293	237.1	.19209	.4485	1.173	.0119
%RSD	222.1	.2504	.18984	1.525	.1412	.1693

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20820.	3.772	122.2	170.6	218.7	188500.
SDev	47.37	.078	.5162	.2568	.8891	642
%RSD	.2276	2.068	.4225	.1505	.4064	.3405

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12530.	24090.	6274.	44.53	-41.90	178.4
SDev	12.63	63.34	16.2	.4709	12.02	.6274
%RSD	.1008	.2629	.2581	1.057	28.69	.3516

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.7458	390.21	4.9288	17.77	1368.	5.1320
SDev	4.7647	.23963	3.7703	.4129	3.095	1.8957
%RSD	173.52	.06141	76.495	2.324	.2262	36.939

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	236.5	566.2	386.60	392.01	8.9633	-.35823
SDev	.3663	.2679	.38833	.55313	9.1821	2.5593
%RSD	.1549	.0473	.10044	.1411	102.44	714.4

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	4.8446	4.9709	5.0000	19433.9
SDev	4.6311	3.3405	0	23.3345
%RSD	95.593	67.202	0	.12007

Method: TOTAL Sample Name: HE708 Operator: KLC
Run Time: 07/13/05 18:20 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0068	96660.	134.37	36.19	1002.	7.011
SDev	.3415	5673	8.5724	2.195	60.72	.4804
%RSD	5051	5.869	6.3798	6.065	6.062	6.852

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	37960.	4.573	107.3	161.4	183.1	155200.
SDev	2260	.3255	6.22	10.22	11.19	9016
%RSD	5.953	7.117	5.798	6.33	6.113	5.81

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12650.	22950.	7236.	34.19	753.0	154.8
SDev	669.1	1359	425.5	2.007	320.6	9.622
%RSD	5.29	5.921	5.88	5.869	42.58	6.217

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.1187	345.17	1.8748	16.97	1362.	2.9764
SDev	.0103	20.259	.57924	.2334	80.48	1.0368
%RSD	.25019	5.8692	30.897	1.375	5.909	34.835

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	217.6	620.0	344.55	345.48	11.911	.22838
SDev	13.16	36.39	24.071	18.355	2.3811	1.2042
%RSD	6.048	5.87	6.986	5.313	19.991	527.29

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.3460	1.1402	5.0000	19937.8
SDev	2.3317	2.0325	0	983.162
%RSD	69.685	178.25	0	4.93114

Method: TOTAL Sample Name: HE71A Operator: KLC
Run Time: 07/13/05 18:25 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7427	102300.	168.16	41.16	1630.	7.363
SDev	.3138	1388	4.9468	1.794	21.79	.1226
%RSD	42.25	1.356	2.9417	4.359	1.337	1.665

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34940.	3.961	257.1	151.5	176.9	190900.
SDev	500.2	.0768	4.14	2.449	3.194	3002
%RSD	1.432	1.94	1.61	1.616	1.805	1.572

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12710.	21020.	16190.	16.09	935.6	172.9
SDev	126.8	317.9	238.5	.1777	120.9	2.059
%RSD	.9975	1.513	1.473	1.105	12.93	1.191

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.9099	304.06	-1.4620	17.37	1025.	4.4951
SDev	1.7181	3.1717	1.0334	.1432	14.95	1.0387
%RSD	34.993	1.0431	70.686	.8247	1.458	23.107

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	276.5	792.4	299.33	306.42	9.7928	2.4722
SDev	4.574	11.12	3.3994	3.0581	1.8801	1.6373
%RSD	1.654	1.403	1.1357	.99797	19.199	66.229

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.88493	-2.6336	5.0000	20753.9
SDev	1.7417	.67979	0	224.719
%RSD	196.82	25.812	0	1.08278

Method: TOTAL Sample Name: HE71C Operator: KLC
Run Time: 07/13/05 18:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7645	97880.	89.996	48.40	1179.	6.944
SDev	.8364	779.9	.48448	1.83	9.837	.07
%RSD	109.4	.7968	.53833	3.78	.8344	1.009

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	37410.	4.400	121.7	156.8	181.0	215600.
SDev	341.8	.0095	1.561	1.232	1.201	1866
%RSD	.9138	.216	1.283	.7858	.6636	.8655

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13510.	21490.	7332.	22.00	780.8	138.4
SDev	91.2	187.4	58.17	.2313	2.51	.1361
%RSD	.6749	.8722	.7933	1.051	.3214	.0983

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.15809	309.64	4.8263	18.23	917.7	5.4917
SDev	.61335	3.2563	.83856	.3005	7.434	1.6516
%RSD	387.96	1.0516	17.375	1.649	.8101	30.075

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	258.3	790.0	305.65	311.64	6.1793	-2.8480
SDev	1.77	6.947	3.0285	3.3701	2.1928	2.0143
%RSD	.6854	.8794	.99081	1.0814	35.486	70.728

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.3355	5.5706	5.0000	20346.2
SDev	1.01	1.7615	0	126.43
%RSD	30.281	31.621	0	.62139

Method: TOTAL Sample Name: HE71D Operator: KLC
Run Time: 07/13/05 18:35 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3375	60030.	51.403	24.15	592.5	4.538
SDev	.4311	93.08	.51088	.4063	.9749	.004
%RSD	127.7	.1551	.99389	1.682	.1645	.0887

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23270.	1.991	54.02	88.87	119.8	107100.
SDev	27.35	.1127	.2359	.503	.1274	93.3
%RSD	.1175	5.659	.4366	.566	.1064	.0871

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7203.	15130.	4144.	19.17	243.3	99.11
SDev	31	22.68	7.337	.9002	89.83	.8497
%RSD	.4304	.1498	.177	4.696	36.91	.8573

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.2783	200.31	4.4919	14.06	844.7	.32754
SDev	1.9744	.13343	.4653	1.662	1.456	.20323
%RSD	60.226	.06661	10.359	11.83	.1724	62.047

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	154.4	368.0	197.54	201.69	4.3482	2.7441
SDev	.2156	1.174	1.0178	.30811	1.4309	2.2457
%RSD	.1397	.3189	.51526	.15276	32.908	81.837

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.6758	5.3986	5.0000	20302.4
SDev	.07349	.73429	0	12.7279
%RSD	2.7465	13.602	0	.06269

Method: TOTAL Sample Name: HE71E Operator: KLC
Run Time: 07/13/05 18:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6878	62210.	122.30	32.21	769.9	4.742
SDev	.1902	808.6	1.9982	.8483	10.28	.0813
%RSD	27.66	1.3	1.6338	2.634	1.336	1.715

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	72330.	3.024	76.88	104.1	123.6	103500.
SDev	894.3	.0675	.647	1.268	1.468	1526
%RSD	1.236	2.234	.8416	1.218	1.188	1.475

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9324.	39890.	6440.	21.09	409.8	101.3
SDev	78.26	518.3	85.22	.708	91.88	.1611
%RSD	.8393	1.299	1.323	3.357	22.42	.1591

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2942	235.13	2.2531	15.36	995.7	3.5701
SDev	3.7561	2.827	1.8569	.5991	13	.10383
%RSD	290.22	1.2023	82.415	3.901	1.305	2.9085

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	156.4	413.9	232.62	236.38	4.5543	-.33336
SDev	2.096	5.492	1.1717	3.6535	3.0961	4.0856
%RSD	1.34	1.327	.50372	1.5456	67.981	1225.6

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3442	2.7069	5.0000	20140
SDev	1.5916	1.9893	0	163.766
%RSD	118.4	73.492	0	.81313

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 18:46 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1028.	25670.	512.72	4889.	2090.	2121.
SDev	1.725	10.85	1.8361	9.317	1.957	2.286
%RSD	.1679	.0423	.35811	.1906	.0936	.1078

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51770.	524.4	2077.	2077.	2079.	24850.
SDev	61.36	.3575	1.523	2.372	2.545	42.7
%RSD	.1185	.0682	.0734	.1142	.1224	.1719

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51090.	50240.	2089.	2059.	47790.	2048.
SDev	29.7	47.45	1.005	4.981	373.8	1.443
%RSD	.0581	.0944	.0481	.2419	.7822	.0705

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	520.91	518.66	518.37	5125.	5133.	1039.8
SDev	.28657	.52053	1.8454	7.399	8.756	1.3547
%RSD	.05501	.10036	.35599	.1444	.1706	.13028

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2030.	2097.	515.93	520.02	516.40	523.15
SDev	3.309	1.255	1.4181	.07241	.67715	.09158
%RSD	.163	.0598	.27487	.01392	.13112	.0175

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	515.96	519.57	5.0000	19769
SDev	3.2198	1.1591	0	32.81
%RSD	.62404	.22309	0	.16596

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 18:54 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3530	14.24	.97049	5.157	.6883	.7663
SDev	.5203	.57	.26527	.2956	.127	.1516
%RSD	147.4	4.001	27.334	5.732	18.45	19.78

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	421.6	.1350	.6681	.7630	.6901	14.18
SDev	.5212	.0306	.1798	.1671	.0889	1.169
%RSD	.1236	22.67	26.91	21.9	12.89	8.245

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	175.9	12.92	1.062	.6567	-326.4	.8087
SDev	1.407	1.611	.2722	.247	155.6	.8821
%RSD	.8002	12.47	25.64	37.61	47.66	109.1

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2707	.92218	1.2499	2.001	1.417	1.2129
SDev	1.5019	.45406	1.4009	.4222	.4649	.71227
%RSD	66.141	49.239	112.08	21.1	32.81	58.724

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3910	9.584	1.2054	.78077	7.9300	-.55470
SDev	.1867	.4347	.94104	.21094	2.5818	.96274
%RSD	47.76	4.536	78.068	27.018	32.557	173.56

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.45860	2.1029	5.0000	19864.8
SDev	2.2207	.99161	0	145.664
%RSD	484.23	47.155	0	.73327

Method: TOTAL Sample Name: HE71G Operator: KLC
Run Time: 07/13/05 18:59 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2934	75850.	143.77	33.38	928.3	5.708
SDev	.2052	93.29	.17635	1.532	.1509	.0251
%RSD	69.94	.123	.12266	4.589	.0163	.4399

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30390.	2.117	87.01	112.9	139.1	152200.
SDev	40.02	.0282	.3866	.2708	.1135	238.6
%RSD	.1317	1.33	.4443	.2399	.0816	.1567

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7839.	18440.	6306.	18.07	722.3	119.7
SDev	4.563	27.59	7.268	1.252	42.91	1.018
%RSD	.0582	.1496	.1153	6.931	5.94	.8504

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1493	224.36	3.0957	15.03	895.3	3.6341
SDev	3.5712	.52935	1.111	1.104	1.46	.55983
%RSD	113.4	.23594	35.889	7.347	.1631	15.405

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	205.5	432.6	223.09	224.99	10.464	-.50274
SDev	.2258	.683	1.0489	.26996	3.6797	3.5171
%RSD	.1098	.1579	.47018	.11999	35.164	699.58

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.8499	3.2184	5.0000	20547.1
SDev	.49323	1.4194	0	3.25241
%RSD	17.307	44.103	0	.01582

Method: TOTAL Sample Name: HE71H Operator: KLC
Run Time: 07/13/05 19:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4209	96320.	89.666	46.56	812.9	6.520
SDev	.1027	1398	1.2887	.5259	11.67	.1035
%RSD	24.41	1.452	1.4372	1.13	1.436	1.587

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	35470.	3.918	121.3	154.8	208.6	172200.
SDev	537.8	.2575	2.503	2.168	3.508	2785
%RSD	1.516	6.572	2.063	1.401	1.682	1.617

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13350.	23870.	4793.	32.65	1360.	169.4
SDev	159.7	371.1	71.61	.0341	48.8	3.194
%RSD	1.196	1.555	1.494	.1044	3.587	1.886

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.05021	344.40	3.9146	18.72	967.4	2.1658
SDev	.78619	4.9201	1.5695	2.333	14.79	.17608
%RSD	1565.6	1.4286	40.094	12.47	1.528	8.13

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	214.7	626.0	340.76	346.22	6.2545	-3.0473
SDev	3.177	8.497	6.1606	4.3008	2.0499	.15529
%RSD	1.479	1.357	1.8079	1.2422	32.774	5.0961

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.5569	4.0931	5.0000	20696.9
SDev	2.9933	.85869	0	245.932
%RSD	84.155	20.979	0	1.18825

Method: TOTAL Sample Name: HE71K Operator: KLC
Run Time: 07/13/05 19:09 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3729	98790.	82.563	38.00	783.6	7.215
SDev	.0816	1860	.91342	1.897	13.92	.1334
%RSD	21.89	1.883	1.1063	4.994	1.777	1.849

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47770.	3.020	109.5	155.3	200.4	167600.
SDev	929.2	.0427	2.253	3.031	3.609	3408
%RSD	1.945	1.413	2.058	1.952	1.801	2.034

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14430.	34030.	5535.	26.14	961.4	183.3
SDev	220	681	105.9	2.489	55.64	3.887
%RSD	1.524	2.001	1.913	9.522	5.787	2.121

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.7442	279.63	2.4378	14.79	1249.	3.8774
SDev	.15916	4.7183	.0427	.541	24.11	.9721
%RSD	5.7999	1.6873	1.7519	3.658	1.93	25.071

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	215.7	561.0	278.80	280.05	10.724	-1.2396
SDev	3.955	10.2	3.8303	5.1617	4.4149	1.9655
%RSD	1.834	1.818	1.3738	1.8431	41.169	158.56

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.2749	3.0183	5.0000	20818.3
SDev	1.8565	.9909	0	288.924
%RSD	145.63	32.829	0	1.38783

Method: TOTAL Sample Name: HE71Q Operator: KLC
Run Time: 07/13/05 19:13 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7987	85120.	88.015	53.38	553.1	5.658
SDev	.0846	866.8	.50286	1.004	5.89	.0662
%RSD	10.6	1.018	.57134	1.882	1.065	1.169

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	391100.	2.916	92.85	132.3	208.5	173200.
SDev	3832	.0825	.7498	1.363	2.53	1746
%RSD	.9798	2.828	.8076	1.03	1.213	1.008

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11600.	234000.	4856.	38.52	46.24	200.9
SDev	121.1	2362	51.32	.3632	41.58	2.429
%RSD	1.044	1.009	1.057	.9428	89.92	1.209

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.6417	178.47	3.7516	8.292	1298.	2.4614
SDev	2.9843	1.5	.30877	2.297	12.33	.65056
%RSD	181.78	.84047	8.2304	27.7	.9496	26.43

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	184.6	556.3	175.08	180.16	6.2669	-5.5901
SDev	1.734	5.527	1.5294	1.4853	.63799	4.7928
%RSD	.9395	.9935	.87356	.82441	10.18	85.736

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.19003	5.5297	5.0000	20326.4
SDev	.59755	.76125	0	203.928
%RSD	314.45	13.767	0	1.00326

Method: TOTAL Sample Name: HE71T Operator: KLC
Run Time: 07/13/05 19:18 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7322	84070.	74.095	44.94	964.3	7.487
SDev	.2125	180.5	1.5432	.3121	1.964	.015
%RSD	29.03	.2147	2.0827	.6945	.2037	.2002

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	103800.	4.692	105.9	132.2	172.5	140600.
SDev	183.6	.0351	.1517	.1986	.0803	460.7
%RSD	.1768	.7482	.1432	.1502	.0465	.3276

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12240.	63610.	10830.	25.70	61.61	179.2
SDev	9.347	57.76	30.9	.5844	165.3	.273
%RSD	.0764	.0908	.2853	2.274	268.4	.1523

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2481	416.49	1.0828	16.18	1409.	3.2062
SDev	1.9349	.25905	1.0291	2.159	3.652	2.0788
%RSD	155.02	.0622	95.039	13.34	.2592	64.835

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	204.9	693.7	412.04	418.71	6.6983	-1.4729
SDev	.2809	1.531	1.7857	.50311	3.789	1.0092
%RSD	.1371	.2207	.43337	.12015	56.567	68.519

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.5576	.84573	5.0000	21083.4
SDev	.95028	1.0684	0	25.4558
%RSD	61.009	126.33	0	.12073

Method: TOTAL Sample Name: HE71V Operator: KLC
Run Time: 07/13/05 19:23 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.200	75410.	69.247	35.78	894.7	6.667
SDev	.1533	23.81	.30173	.2518	.3322	.0157
%RSD	12.78	.0316	.43573	.7038	.0371	.2362

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24340.	3.429	98.86	112.2	160.2	129000.
SDev	.9819	.0882	.0602	.3327	.6267	171.5
%RSD	.004	2.571	.0609	.2965	.3913	.133

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10970.	17890.	9471.	26.49	188.6	164.1
SDev	33.93	10.02	2.504	.3658	19.25	.4505
%RSD	.3092	.056	.0264	1.381	10.21	.2745

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.40362	298.82	1.1523	13.38	1104.	2.2339
SDev	1.4233	2.3188	.09916	.4656	1.421	.04009
%RSD	352.63	.77596	8.6058	3.48	.1287	1.7948

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	176.5	527.4	296.33	300.07	4.5464	-2.8749
SDev	.4019	.9273	1.6868	2.6343	1.0079	2.6371
%RSD	.2277	.1758	.56923	.87789	22.17	91.728

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8226	.81760	5.0000	21187.6
SDev	1.94	.81986	0	2.5453
%RSD	106.44	100.28	0	.01201

Method: TOTAL Sample Name: HE71X Operator: KLC
Run Time: 07/13/05 19:28 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1727	62960.	75.925	34.04	418.7	4.353
SDev	.2972	426.6	1.3948	.8179	3.217	.0532
%RSD	172.1	.6776	1.8371	2.403	.7684	1.222

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	231400.	2.094	80.78	98.90	167.3	140100.
SDev	1420	.2644	.6623	.5303	1.197	744
%RSD	.6136	12.62	.8198	.5362	.7156	.5311

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8612.	141100.	4204.	34.37	-106.4	151.6
SDev	68.4	840.2	27.89	.149	22.32	2.656
%RSD	.7942	.5953	.6634	.4334	20.98	1.752

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.3112	173.89	2.8749	9.879	959.8	2.4553
SDev	.36095	.32386	1.7629	1.618	6.655	.4607
%RSD	15.618	.18623	61.321	16.37	.6934	18.764

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	145.8	419.2	171.10	175.29	3.4394	-5.1822
SDev	.7825	2.736	2.6614	.84315	.55601	.81875
%RSD	.5365	.6526	1.5554	.481	16.166	15.799

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.0745	3.2745	5.0000	20361.6
SDev	.42825	2.8568	0	84.8528
%RSD	20.644	87.245	0	.41672

Method: TOTAL Sample Name: HE710 Operator: KLC
Run Time: 07/13/05 19:33 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.377	103500.	88.534	38.44	1297.	9.201
SDev	.5091	228.5	1.6253	.9876	2.616	.0154
%RSD	36.98	.2209	1.8358	2.569	.2017	.1671

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	33290.	4.329	128.2	150.5	231.6	174900.
SDev	62.44	.0685	.4198	.6829	.8846	385.3
%RSD	.1875	1.582	.3274	.4538	.3819	.2203

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14950.	25700.	14890.	42.01	-455.9	234.9
SDev	25.58	12.64	42.43	.6825	39.33	.2622
%RSD	.171	.0492	.2849	1.624	8.627	.1117

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.63731	405.86	.99988	18.36	1223.	2.5213
SDev	.69964	1.823	.4064	.7451	2.835	.04124
%RSD	109.78	.44916	40.645	4.058	.2318	1.6359

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	229.4	737.5	400.47	408.55	7.3234	-2.7007
SDev	.4553	1.76	1.6444	1.9122	6.6006	2.2464
%RSD	.1984	.2387	.4106	.46803	90.131	83.179

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.56796	1.2155	5.0000	21920.5
SDev	2.0233	.40082	0	71.984
%RSD	356.23	32.975	0	.32838

Method: TOTAL Sample Name: HE711 Operator: KLC
Run Time: 07/13/05 19:38 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.628	88980.	97.872	27.65	993.2	6.815
SDev	.2212	145.1	.2359	.1061	1.044	.0305
%RSD	13.59	.163	.24103	.3836	.1051	.4473

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21110.	2.496	121.6	133.6	147.0	150500.
SDev	33.45	.1378	.1736	.235	.0284	252.7
%RSD	.1584	5.519	.1427	.1759	.0193	.1679

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10710.	22810.	9482.	30.35	-430.1	144.6
SDev	14.34	21.04	9.526	.8258	165.9	.0649
%RSD	.1338	.0922	.1005	2.721	38.57	.0449

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.16667	289.19	1.0220	13.03	1267.	3.5075
SDev	.48221	.49269	.06389	.7338	1.769	.52573
%RSD	289.32	.17037	6.2519	5.63	.1396	14.989

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	216.9	517.9	285.95	290.80	5.5015	-2.4967
SDev	.8539	1.016	1.4355	1.4554	2.1262	.33851
%RSD	.3936	.1961	.50201	.50046	38.647	13.559

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.85381	1.1060	5.0000	21405.9
SDev	.17431	.00876	0	9.47412
%RSD	20.416	.79245	0	.04425

Method: TOTAL Sample Name: HE713 Operator: KLC
Run Time: 07/13/05 19:42 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3806	72060.	69.189	33.48	833.9	6.584
SDev	.0301	141.2	1.8706	.3199	1.384	.0149
%RSD	7.899	.196	2.7036	.9556	.166	.2256

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22590.	4.050	113.7	113.4	158.1	130900.
SDev	47.82	.0278	.2252	.2453	.179	365.5
%RSD	.2117	.6852	.1981	.2163	.1133	.2792

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10940.	17690.	10070.	26.31	-219.0	145.7
SDev	11.53	38.91	15.15	.0935	163.1	.1835
%RSD	.1054	.2199	.1504	.3554	74.49	.1259

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9348	514.37	3.4095	16.91	1188.	1.1017
SDev	1.3344	.8484	.94789	.3929	3.323	1.7852
%RSD	68.971	.16494	27.801	2.324	.2797	162.04

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	184.0	743.9	511.10	516.00	5.8037	.00318
SDev	.6758	2.212	.37243	1.086	7.4931	1.7403
%RSD	.3673	.2974	.07286	.21046	129.11	54636

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	4.1876	3.0211	5.0000	21073.9
SDev	2.1276	2.4833	0	26.1629
%RSD	50.807	82.2	0	.12414

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 19:49 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1021.	25520.	508.74	4834.	2073.	2103.
SDev	5.589	110.2	1.342	13.63	9.511	11.23
%RSD	.5473	.4317	.26379	.2819	.4588	.5338

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51330.	519.9	2059.	2060.	2065.	24550.
SDev	246.6	2.168	10.43	9.756	9.807	122.5
%RSD	.4804	.4171	.5066	.4735	.475	.4992

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50910.	49780.	2075.	2044.	47530.	2025.
SDev	155.3	225.5	12.59	3.575	274	5.498
%RSD	.305	.453	.607	.1749	.5765	.2714

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	513.87	515.36	514.69	5074.	5093.	1030.4
SDev	3.2313	3.697	1.6648	25.62	22.96	1.7571
%RSD	.62882	.71735	.32346	.5049	.4509	.17053

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2012.	2080.	511.70	517.19	507.98	516.81
SDev	7.782	10.15	1.9707	4.5589	5.1392	2.2788
%RSD	.3868	.4881	.38512	.88147	1.0117	.44094

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	512.63	515.72	5.0000	19876.5
SDev	2.0839	1.4556	0	103.945
%RSD	.40652	.28225	0	.52295

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 19:56 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6095	11.65	1.5268	5.731	.8639	.8604
SDev	.6735	3.02	.14357	.9029	.1346	.198
%RSD	110.5	25.91	9.4041	15.75	15.58	23.01

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	419.3	.0995	.8650	.8501	.6640	24.04
SDev	3.876	.0412	.1019	.3389	.085	8.686
%RSD	.9244	41.4	11.78	39.86	12.8	36.13

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	172.1	15.47	1.557	1.724	-402.5	1.493
SDev	11.61	5.874	.4273	.0012	146.3	.5088
%RSD	6.748	37.98	27.45	.067	36.34	34.08

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.8994	.32639	.53116	2.547	1.901	2.3750
SDev	1.5475	.22253	2.7148	1.374	.467	1.3022
%RSD	53.373	68.18	511.1	53.96	24.57	54.828

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.213	9.732	1.0898	-.05472	8.6176	.04463
SDev	.0292	.3609	1.4143	1.0397	2.2202	3.4285
%RSD	2.409	3.709	129.78	1900.1	25.764	7680.8

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.57436	1.0831	5.0000	20104.9
SDev	2.0318	3.0558	0	9.19238
%RSD	353.75	282.13	0	.04572

Method: TOTAL Sample Name: HE716 Operator: KLC
Run Time: 07/13/05 20:01 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3290	52610.	81.008	41.95	337.8	3.813
SDev	.0428	705.7	1.3596	.7541	4.455	.0252
%RSD	13	1.341	1.6783	1.798	1.319	.6604

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	343400.	2.480	70.96	88.73	152.9	113700.
SDev	4531	.0532	.5728	1.274	1.906	1541
%RSD	1.32	2.145	.8072	1.435	1.246	1.356

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8382.	207500.	3547.	22.69	83.78	128.7
SDev	101.5	2870	46.15	.8688	15.17	2.692
%RSD	1.211	1.383	1.301	3.829	18.11	2.092

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1508	212.87	1.8969	15.12	702.1	4.2618
SDev	1.2229	1.7842	.7638	1.768	9.376	.00893
%RSD	106.27	.83817	40.266	11.69	1.335	.20963

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	118.1	464.3	208.23	215.18	7.9829	-2.2602
SDev	1.399	6.071	1.1459	2.1029	3.4961	.08808
%RSD	1.184	1.308	.5503	.97726	43.795	3.8974

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.53917	3.1131	5.0000	20426.8
SDev	.58805	1.4387	0	202.516
%RSD	109.07	46.215	0	.99142

Method: TOTAL Sample Name: HE718 Operator: KLC
Run Time: 07/13/05 20:06 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5634	64030.	72.590	44.16	552.0	5.033
SDev	.3129	672.2	.84002	.688	6.568	.0837
%RSD	55.53	1.05	1.1572	1.558	1.19	1.662

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28000.	3.397	108.3	123.2	184.7	135500.
SDev	302	.1282	.673	1.117	2.143	1331
%RSD	1.079	3.776	.6212	.9068	1.16	.9827

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9956.	22340.	6271.	33.93	-148.9	159.0
SDev	113.4	270.5	66.64	.7618	144.8	1.844
%RSD	1.139	1.211	1.063	2.245	97.26	1.16

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2125	353.74	4.4040	15.01	984.2	1.7836
SDev	1.7966	1.7948	.7954	.2939	9.899	.12119
%RSD	148.18	.50738	18.061	1.958	1.006	6.7949

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	148.2	634.0	352.44	354.39	7.4391	-1.8962
SDev	1.005	7.341	3.5672	.91001	1.6097	1.8898
%RSD	.6783	1.158	1.0121	.25678	21.639	99.663

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	3.0930	5.0586	5.0000	20550.4
SDev	.01139	1.1868	0	228.255
%RSD	.36834	23.462	0	1.1107

Method: TOTAL Sample Name: HE72A Operator: KLC
Run Time: 07/13/05 20:11 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8143	58210.	55.148	14.51	581.9	4.805
SDev	.3766	63.78	1.1592	.071	.628	.002
%RSD	46.25	.1096	2.1019	.489	.1079	.0411

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8753.	1.090	102.3	89.88	112.3	100900.
SDev	16.79	.0451	.2917	.5874	.1866	33.14
%RSD	.1919	4.137	.2851	.6535	.1661	.0329

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7622.	15850.	6719.	27.35	-163.1	128.4
SDev	26.68	36.66	6.235	.2876	178.6	.4607
%RSD	.3501	.2313	.0928	1.052	109.5	.3587

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0577	206.87	-.21341	11.67	829.3	1.0493
SDev	1.4592	.0576	.53179	.3847	.7597	1.7795
%RSD	70.916	.02784	249.19	3.297	.0916	169.59

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	120.4	386.0	206.51	207.06	2.7281	1.7230
SDev	.1438	.6307	1.2697	.54755	3.2732	.5536
%RSD	.1194	.1634	.61485	.26444	119.98	32.131

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8480	-1.2426	5.0000	20703.1
SDev	.50836	1.0511	0	64.3467
%RSD	27.508	84.589	0	.3108

Method: TOTAL Sample Name: HE72AL Operator: KLC
Run Time: 07/13/05 20:16 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4098	12300.	12.385	1.195	122.0	1.207
SDev	.0039	108.6	.15639	.3224	1.021	.0256
%RSD	.9583	.8831	1.2628	26.98	.8372	2.123

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1852.	.1630	21.65	18.79	23.49	21440.
SDev	19.43	.0737	.6253	.0901	.6919	222.2
%RSD	1.049	45.24	2.888	.4796	2.946	1.036

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1662.	3347.	1443.	4.902	-476.5	26.56
SDev	12.85	43.07	14.84	.3424	175.7	.5432
%RSD	.7733	1.287	1.028	6.984	36.86	2.045

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0720	44.525	.63107	3.644	173.9	1.9472
SDev	1.1997	.11954	.794	.0387	2.325	1.315
%RSD	111.9	.26848	125.82	1.063	1.337	67.532

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25.27	84.53	44.424	44.575	5.1256	-.95168
SDev	.6771	.2355	.55315	.09694	.16866	1.7144
%RSD	2.68	.2786	1.2452	.21747	3.2906	180.14

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.10184	.99698	5.0000	20182.7
SDev	1.3556	.51361	0	134.774
%RSD	1331	51.516	0	.66777

Method: TOTAL Sample Name: HE88VB 5193050 Operator: KLC
Run Time: 07/13/05 20:23 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2134	4.024	-.89451	-2.432	.2919	.2560
SDev	.3037	.2305	.70678	.0163	.0704	.0127
%RSD	142.3	5.73	79.013	.6709	24.14	4.955

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	97.70	-.0051	-.2754	.2002	.9803	85.19
SDev	.5986	.0902	.3861	.2667	.1734	4.576
%RSD	.6127	1783	140.2	133.2	17.69	5.371

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	181.7	11.41	2.401	.4606	-346.4	1.339
SDev	3.865	.9027	.338	.0041	152.1	.2747
%RSD	2.127	7.909	14.08	.8827	43.91	20.51

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.8072	.55689	.09615	H24.92	.3298	.94797
SDev	1.1938	.30522	1.6729	1.415	.1174	2.2219
%RSD	42.526	54.808	1739.9	5.677	35.6	234.38

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1701	4.727	.15487	.75760	6.2714	1.0777
SDev	.3626	.0655	2.265	.67321	3.3048	.13989
%RSD	213.2	1.387	1462.5	88.86	52.696	12.981

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.8700	1.5770	5.0000	20064.9
SDev	1.1887	3.1016	0	55.5797
%RSD	41.419	196.67	0	.27699

Method: TOTAL Sample Name: HE88VC Operator: KLC
Run Time: 07/13/05 20:27 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L4.332	1828.	1749.3	L787.8	1791.	47.34
SDev	.193	5.365	3.9032	.1046	3.252	.1039
%RSD	4.457	.2935	.22313	.0133	.1815	.2195

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L113.9	46.86	458.2	184.9	237.5	1069.
SDev	.723	.374	1.025	.7232	.4091	4.567
%RSD	.6346	.7982	.2237	.3911	.1723	.4271

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L199.9	L10.61	451.0	888.2	L-458.4	456.3
SDev	7.065	1.832	.9269	.5367	18.13	3.95
%RSD	3.534	17.27	.2055	.0604	3.956	.8657

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1777.8	460.48	447.65	1826.	908.4	1801.9
SDev	3.2732	.32336	.15621	1.026	1.941	.56174
%RSD	.18411	.07022	.03489	.0562	.2137	.03117

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	437.2	466.3	458.31	461.57	1743.8	1794.8
SDev	.5794	1.346	1.3584	.19337	.75932	4.5283
%RSD	.1325	.2887	.29638	.04189	.04354	.2523

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	443.42	449.76	5.0000	20054.7
SDev	1.963	.74581	0	58.4067
%RSD	.44269	.16582	0	.29123

Method: TOTAL Sample Name: HE7X8 Operator: KLC
Run Time: 07/13/05 20:34 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6315	83320.	108.84	24.23	802.6	6.551
SDev	.1449	1285	1.2772	.9593	11.95	.112
%RSD	22.95	1.543	1.1735	3.96	1.488	1.709

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23630.	6.032	187.6	143.2	194.3	173500.
SDev	372.8	.004	2.908	2.751	3.339	2775
%RSD	1.578	.0663	1.55	1.921	1.718	1.6

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11100.	20510.	9443.	36.97	208.6	179.8
SDev	109.3	320.9	136.1	2.095	92.06	2.55
%RSD	.985	1.565	1.441	5.666	44.13	1.419

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.33915	351.18	1.3761	15.05	756.6	7.0811
SDev	1.2912	4.2219	.3425	2.39	11.46	1.3546
%RSD	380.72	1.2022	24.89	15.88	1.515	19.13

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	199.7	626.3	344.98	354.28	7.2061	-4.1061
SDev	3.685	8.922	3.8375	4.4138	.73352	1.5697
%RSD	1.846	1.425	1.1124	1.2458	10.179	38.227

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.97235	1.5777	5.0000	21507.1
SDev	.70253	.16276	0	232.638
%RSD	72.251	10.317	0	1.08168

Method: TOTAL Sample Name: HE7X8S Operator: KLC
Run Time: 07/13/05 20:38 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.645	122500.	1693.7	735.5	2534.	51.08
SDev	.266	938.3	15.67	3.174	17.88	.3882
%RSD	16.17	.7658	.92518	.4316	.7059	.76

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24350.	46.61	524.5	352.4	415.6	167400.
SDev	182.4	.3127	3.63	2.6	3.185	1166
%RSD	.749	.6708	.692	.7378	.7664	.6968

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18780.	25500.	6213.	820.0	-94.59	591.4
SDev	145.9	209.3	45.31	4.692	25.94	5.941
%RSD	.777	.8208	.7292	.5722	27.42	1.005

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1627.5	687.08	177.67	1558.	1824.	1633.6
SDev	8.4756	3.374	.09585	7.542	14.07	11.149
%RSD	.52077	.49106	.05395	.484	.7713	.68245

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	659.0	1062.	679.45	690.88	1604.8	1638.8
SDev	4.083	7.19	6.1268	1.9996	12.189	6.6216
%RSD	.6196	.6772	.90173	.28942	.75952	.40404

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	174.22	179.39	5.0000	21617.9
SDev	1.5984	.65425	0	120.349
%RSD	.91743	.36471	0	.55671

Method: TOTAL Sample Name: HE7X8D Operator: KLC
Run Time: 07/13/05 20:43 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.830	124800.	1676.7	746.1	2471.	50.55
SDev	.4505	120.3	3.6458	2.774	3.568	.101
%RSD	24.62	.0964	.21743	.3718	.1444	.1999

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25270.	46.76	512.3	355.3	412.9	163800.
SDev	39.55	.0364	1.371	.5994	.8589	351.8
%RSD	.1565	.0777	.2675	.1687	.208	.2148

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20540.	25770.	5889.	811.9	-.7363	582.9
SDev	9.913	36.82	9.382	.225	103	1.493
%RSD	.0483	.1429	.1593	.0277	13990	.2561

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1611.9	705.23	184.54	1546.	1789.	1631.3
SDev	3.814	1.2184	.18829	10.9	3.119	1.4291
%RSD	.23661	.17277	.10203	.7051	.1744	.08761

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	655.8	1098.	698.17	708.75	1593.5	1621.1
SDev	1.44	2.941	3.6317	.01355	4.6636	8.0464
%RSD	.2196	.2678	.52017	.00191	.29266	.49635

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	184.08	184.77	5.0000	21519.7
SDev	.47731	.04402	0	75.6604
%RSD	.2593	.02382	0	.35158

Method: TOTAL Sample Name: HE70A Operator: KLC
Run Time: 07/13/05 20:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3506	70240.	69.208	25.24	758.1	6.635
SDev	.1867	70.53	1.8744	.0271	.2311	.0091
%RSD	53.27	.1004	2.7083	.1074	.0305	.1375

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26010.	3.913	98.87	117.9	161.4	117000.
SDev	34.07	.0171	.0816	.1553	.4533	230.9
%RSD	.131	.4361	.0825	.1317	.2808	.1974

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10110.	18200.	8212.	23.49	549.6	168.1
SDev	21.17	27.47	11.39	.5533	35.42	.2122
%RSD	.2093	.151	.1387	2.356	6.445	.1263

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3894	275.94	1.6343	17.17	983.0	5.9851
SDev	.1533	1.4241	.42442	2.405	.8459	.58168
%RSD	11.034	.51609	25.97	14.01	.086	9.719

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	147.5	525.7	275.33	276.24	7.1742	-1.4987
SDev	.1902	.3698	1.7879	1.2425	2.4606	.99861
%RSD	.129	.0703	.64936	.44977	34.298	66.633

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.6367	1.1339	5.0000	21077.6
SDev	.28985	.4916	0	60.8112
%RSD	10.993	43.356	0	.28851

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 20:56 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1023.	25480.	508.81	4784.	2074.	2106.
SDev	1.732	20.74	2.2009	20.8	2.577	1.658
%RSD	.1693	.0814	.43255	.4347	.1243	.0788

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51320.	522.2	2061.	2059.	2064.	24350.
SDev	69.66	.8085	1.365	2.055	1.93	5.523
%RSD	.1357	.1548	.0662	.0998	.0935	.0227

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50900.	49800.	2060.	2043.	47360.	2054.
SDev	38.16	84.74	.8169	8.501	97.56	.8523
%RSD	.075	.1701	.0397	.4162	.206	.0415

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	513.35	514.92	515.42	5080.	5073.	1036.1
SDev	1.2456	1.2668	2.252	8.07	6.536	.37478
%RSD	.24265	.24602	.43692	.1588	.1288	.03617

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2003.	2090.	513.90	515.43	507.55	516.24
SDev	3.523	2.273	.79795	1.5009	2.172	2.9519
%RSD	.1759	.1088	.15527	.29119	.42794	.5718

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	514.64	515.81	5.0000	19960.9
SDev	1.5317	2.6115	0	32.6678
%RSD	.29763	.5063	0	.16365

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 21:03 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7103	13.77	1.2760	3.253	1.055	.9307
SDev	.5698	4.392	.51704	3.394	.2731	.2106
%RSD	80.22	31.91	40.521	104.3	25.88	22.63

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	937.0	.1407	.5581	1.233	.5994	20.21
SDev	5.291	.061	.3322	.567	.2915	10.52
%RSD	.5647	43.39	59.53	46	48.63	52.06

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	186.3	16.90	1.470	1.091	-277.7	1.092
SDev	4.719	4.706	.4228	.6431	66.64	.515
%RSD	2.533	27.84	28.77	58.95	24	47.16

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.8285	1.3764	1.1478	1.852	1.901	-.13525
SDev	.93574	.22617	.16738	2.574	.4702	2.4219
%RSD	33.082	16.432	14.583	139	24.74	1790.7

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7668	Q22.09	-.02082	2.0739	5.7698	1.3601
SDev	.4826	.1986	.17613	.25115	2.4675	2.6348
%RSD	62.94	.8991	845.96	12.11	42.765	193.72

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.67220	1.3852	5.0000	20106.1
SDev	1.9567	.72592	0	29.5562
%RSD	291.08	52.406	0	.147

Method: TOTAL Sample Name: HE70C Operator: KLC
Run Time: 07/13/05 21:08 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.642	68770.	61.342	15.30	715.7	5.804
SDev	.4852	341.8	.65412	.0568	3.27	.0798
%RSD	29.54	.4971	1.0663	.3714	.4569	1.375

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13840.	1.967	111.7	105.2	115.4	113700.
SDev	69.79	.0488	.1465	.6228	.4811	479.1
%RSD	.5044	2.479	.1312	.5921	.4169	.4214

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10290.	15560.	9026.	18.85	-84.72	116.4
SDev	42.19	80.98	40.45	1.291	213.2	.9872
%RSD	.4101	.5203	.4482	6.85	251.6	.8483

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.7210	223.21	.79991	14.48	854.8	4.2925
SDev	.11708	.83462	1.9409	.1741	4.284	.74254
%RSD	6.8033	.37392	242.64	1.202	.5011	17.299

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	168.0	369.2	218.03	225.79	6.3183	-.57422
SDev	.9146	2.131	.22192	1.3621	2.191	.91833
%RSD	.5444	.577	.10178	.60326	34.677	159.93

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.8941	.25362	5.0000	21106.5
SDev	3.0084	1.4079	0	50.7708
%RSD	158.83	555.1	0	.24054

Method: TOTAL Sample Name: HE70D Operator: KLC
Run Time: 07/13/05 21:13 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8918	100400.	91.249	30.07	823.5	7.339
SDev	.3726	126.8	.48158	.3686	1.135	.0076
%RSD	41.78	.1263	.52777	1.226	.1378	.103

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28860.	3.492	133.6	154.5	195.9	161400.
SDev	65.69	.2011	.8878	.5242	.3301	470.3
%RSD	.2276	5.757	.6644	.3393	.1685	.2914

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16180.	25410.	6795.	36.07	389.6	199.2
SDev	9.295	59.67	15.39	.6012	114.3	1.325
%RSD	.0574	.2349	.2265	1.667	29.34	.6653

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1311	335.88	1.8596	16.25	761.1	5.6477
SDev	1.479	.44528	.66872	.192	2.018	.41284
%RSD	130.76	.13257	35.961	1.181	.2652	7.3099

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	203.9	660.5	329.11	339.27	9.1266	-2.8607
SDev	.8026	1.241	2.3723	.51677	1.8177	1.3099
%RSD	.3936	.1879	.72083	.15232	19.916	45.791

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.66948	2.4538	5.0000	21358.4
SDev	1.1344	.43623	0	69.0147
%RSD	169.45	17.778	0	.32312

Method: TOTAL Sample Name: HE70E Operator: KLC
Run Time: 07/13/05 21:18 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9334	104100.	86.815	28.35	966.2	7.359
SDev	.1854	321.1	.72651	.4151	3.276	.0081
%RSD	19.86	.3084	.83684	1.464	.3391	.1099

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36700.	2.568	78.58	145.9	178.0	161800.
SDev	73.8	.0287	.2659	.7113	.3263	586.8
%RSD	.2011	1.119	.3384	.4875	.1833	.3626

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17680.	22890.	4845.	23.19	841.3	162.3
SDev	54.48	43.75	12	.0732	11	1.273
%RSD	.3082	.1911	.2478	.3156	1.307	.7842

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.26173	213.79	.94710	16.75	735.1	4.3075
SDev	1.34	.08781	.84063	.615	2.766	2.4918
%RSD	511.97	.04107	88.759	3.672	.3763	57.847

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	212.9	523.8	208.46	216.46	8.8569	-4.0294
SDev	.2463	.6746	1.4284	.58147	.06998	1.9741
%RSD	.1157	.1288	.6852	.26863	.79021	48.992

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.10217	1.3689	5.0000	21855.9
SDev	.01452	1.2531	0	37.4766
%RSD	14.211	91.536	0	.17147

Method: TOTAL Sample Name: HE70F Operator: KLC
Run Time: 07/13/05 21:23 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.306	102100.	94.691	26.57	1050.	7.567
SDev	.3465	1080	1.3379	2.2	11.36	.0773
%RSD	26.53	1.058	1.4129	8.277	1.082	1.021

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	31810.	3.684	114.0	157.9	163.9	163200.
SDev	324.4	.0137	1.196	1.422	2.435	1803
%RSD	1.02	.3728	1.049	.9006	1.486	1.105

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14470.	24370.	8287.	19.55	555.2	167.9
SDev	117.5	238.8	88.16	.1404	192	.7229
%RSD	.8121	.98	1.064	.7183	34.59	.4307

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.62361	318.59	1.8476	16.51	802.5	3.4766
SDev	1.5009	3.9284	.23469	.7891	8.413	.48354
%RSD	240.68	1.2331	12.703	4.779	1.048	13.909

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	230.6	594.3	313.92	320.91	8.0685	-3.0932
SDev	3.074	5.741	1.3651	5.2081	5.3787	.43506
%RSD	1.333	.966	.43484	1.6229	66.663	14.065

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.55239	3.0458	5.0000	21173.5
SDev	.5863	.05914	0	137.038
%RSD	106.14	1.942	0	.64721

Method: TOTAL Sample Name: HE70G Operator: KLC
Run Time: 07/13/05 21:28 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.090	102100.	105.89	37.96	1285.	7.491
SDev	.3749	221.3	.37043	1.266	3.087	.0159
%RSD	34.4	.2168	.34982	3.334	.2403	.2126

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42170.	4.503	117.4	150.6	173.5	154800.
SDev	39.81	.0175	.4059	.2858	.0455	108.3
%RSD	.0944	.3883	.3456	.1898	.0262	.07

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17000.	22810.	12350.	25.53	314.4	176.4
SDev	36.45	7.13	4.087	.0395	110.9	.2424
%RSD	.2144	.0313	.0331	.1546	35.28	.1375

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.01123	387.84	-.08079	16.87	938.8	6.1927
SDev	1.3017	1.5929	1.8013	.5965	1.439	1.3073
%RSD	11584	.4107	2229.4	3.535	.1533	21.111

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	235.1	589.3	385.50	389.00	10.488	-5.2190
SDev	.1166	1.064	2.1226	1.3284	1.6297	1.138
%RSD	.0496	.1805	.55059	.34149	15.539	21.805

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.16487	-.20344	5.0000	21425.8
SDev	1.3349	2.0341	0	34.7891
%RSD	809.67	999.83	0	.16237

Method: TOTAL Sample Name: HE70J Operator: KLC
Run Time: 07/13/05 21:32 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6745	129800.	83.698	47.31	1294.	8.501
SDev	.0056	1850	1.8969	.7891	18.86	.1761
%RSD	.8339	1.426	2.2664	1.668	1.458	2.072

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52270.	5.467	61.89	177.4	221.9	178700.
SDev	774.6	.1803	.6163	2	3.619	2620
%RSD	1.482	3.298	.9958	1.127	1.631	1.466

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21710.	30050.	7265.	25.95	1086.	213.5
SDev	251.7	465.5	111.9	.3279	175.9	4.342
%RSD	1.16	1.549	1.541	1.263	16.2	2.034

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5589	306.67	2.2741	19.01	732.3	4.6592
SDev	3.4434	2.3996	.5719	.3199	10.54	.99979
%RSD	220.88	.78245	25.149	1.683	1.439	21.459

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	246.1	826.3	299.84	310.08	10.640	-2.9750
SDev	3.619	12.66	5.2626	.97015	.72109	4.8026
%RSD	1.47	1.532	1.7552	.31287	6.7769	161.43

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.86614	2.9770	5.0000	21414.6
SDev	3.8371	1.0583	0	256.822
%RSD	443.01	35.548	0	1.19928

Method: TOTAL Sample Name: HE70K Operator: KLC
Run Time: 07/13/05 21:37 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4491	92930.	67.913	39.60	1130.	6.854
SDev	.112	743.8	.50861	.2146	9.392	.0482
%RSD	24.94	.8004	.74892	.5418	.8309	.7035

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43470.	3.526	88.11	135.6	166.9	131900.
SDev	344.9	.0429	.448	1.688	1.561	1215
%RSD	.7935	1.217	.5084	1.245	.9349	.9208

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12950.	26800.	8088.	17.66	959.9	167.5
SDev	82.84	202.8	64.38	.4964	122.9	.069
%RSD	.6396	.7567	.796	2.81	12.81	.0412

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.08295	335.88	.36217	17.80	801.7	3.4068
SDev	.88912	2.8393	.69739	1.203	6.41	.91343
%RSD	1071.8	.84533	192.56	6.756	.7996	26.812

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	183.1	544.5	330.33	338.66	9.2675	-4.5024
SDev	1.31	3.817	2.7338	2.892	.63254	1.6488
%RSD	.7155	.701	.8276	.85396	6.8254	36.621

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.50858	.79689	5.0000	21310.4
SDev	.15769	1.1243	0	149.907
%RSD	31.007	141.08	0	.70344

Method: TOTAL Sample Name: HE70L Operator: KLC
Run Time: 07/13/05 21:42 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4829	82840.	109.02	49.25	746.4	5.539
SDev	.5637	238.5	1.9547	.1977	1.835	.0094
%RSD	116.7	.2879	1.7931	.4014	.2459	.1691

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	232600.	5.366	74.32	137.6	149.7	122300.
SDev	442	.0714	.0038	.5958	.8185	360.4
%RSD	.1901	1.33	.0051	.4331	.5466	.2948

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15840.	136300.	4915.	13.18	565.5	134.6
SDev	46.41	253.4	7.058	.6388	29.47	.0898
%RSD	.2929	.1859	.1436	4.847	5.212	.0667

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.95555	437.62	1.0156	17.46	659.0	4.1651
SDev	2.215	1.3581	2.4613	.0188	1.769	1.2772
%RSD	231.8	.31034	242.36	.1077	.2685	30.664

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	176.6	560.4	429.47	441.69	7.5384	-5.1962
SDev	.159	1.528	.52165	1.7758	5.7156	.46733
%RSD	.09	.2726	.12146	.40203	75.82	8.9938

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.83953	1.1034	5.0000	20659.4
SDev	1.157	3.1125	0	19.799
%RSD	137.81	282.07	0	.09583

Method: TOTAL Sample Name: HE70N Operator: KLC
Run Time: 07/13/05 21:47 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8013	104400.	90.095	40.96	980.5	7.329
SDev	.9434	98.85	1.2083	.7189	1.195	.0296
%RSD	117.7	.0947	1.3411	1.755	.1219	.4037

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	40530.	3.072	91.84	161.8	195.9	168200.
SDev	25.86	.1108	.4837	1.113	.5422	27.73
%RSD	.0638	3.608	.5266	.6883	.2768	.0165

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16710.	27740.	6380.	26.27	659.1	183.8
SDev	52.45	43.57	7.075	.4986	261.2	.0193
%RSD	.3138	.1571	.1109	1.898	39.63	.0105

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2165	274.39	4.3325	14.96	1244.	1.5313
SDev	.91755	1.0765	.64411	.279	.3162	2.4679
%RSD	75.423	.39233	14.867	1.866	.0254	161.17

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	223.2	630.3	270.51	276.33	10.136	-3.2364
SDev	.4468	1.38	1.5592	.83552	3.3292	.28647
%RSD	.2002	.2189	.57641	.30236	32.846	8.8518

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.7822	5.1064	5.0000	20988.2
SDev	1.176	.37858	0	94.1874
%RSD	42.267	7.4138	0	.44876

Method: TOTAL Sample Name: HE70P Operator: KLC
Run Time: 07/13/05 21:52 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8788	96290.	85.775	27.90	1014.	7.093
SDev	.1278	130.9	.46262	.1154	1.297	.0127
%RSD	14.55	.1359	.53934	.4135	.1279	.1794

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30370.	3.418	144.1	145.7	167.2	161400.
SDev	69.93	.0414	.4407	.6929	.2204	288.8
%RSD	.2303	1.213	.3057	.4755	.1318	.179

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15470.	24390.	9493.	28.09	791.4	179.3
SDev	12.42	73.43	18.74	.8387	146.2	1.303
%RSD	.0803	.301	.1974	2.985	18.47	.7269

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.4304	316.36	.53297	19.30	900.1	4.2617
SDev	1.7981	1.5838	1.4456	.8606	1.955	2.1623
%RSD	125.71	.50061	271.23	4.459	.2172	50.739

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	219.6	545.3	310.28	319.40	12.491	-4.0916
SDev	.6926	.8732	.46703	2.1413	2.2767	1.5591
%RSD	.3154	.1601	.15052	.67039	18.227	38.106

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.06068	.76876	5.0000	21263.1
SDev	.42871	2.3813	0	4.38489
%RSD	706.47	309.76	0	.02062

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 21:59 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1025.	25510.	509.11	4778.	2079.	2107.
SDev	1.407	43.76	1.4158	1.878	3.685	3.275
%RSD	.1372	.1715	.27809	.0393	.1772	.1554

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51290.	523.2	2062.	2058.	2069.	24230.
SDev	51.04	.7383	3.019	1.319	5.126	21.24
%RSD	.0995	.1411	.1464	.0641	.2477	.0876

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50870.	49860.	2060.	2041.	47450.	2061.
SDev	105	38.17	4.771	3.009	52.2	4.859
%RSD	.2063	.0766	.2316	.1474	.11	.2358

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	514.95	514.58	514.75	5092.	5071.	1033.2
SDev	.60529	.47418	3.4042	.9826	3.965	1.2755
%RSD	.11754	.09214	.66133	.0193	.0782	.12345

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1999.	2093.	511.15	516.29	511.85	516.50
SDev	1.737	3.634	.27599	.5731	.98537	.41552
%RSD	.0869	.1736	.05399	.111	.1925	.08045

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	517.58	513.34	5.0000	19918.8
SDev	.2204	4.9937	0	33.658
%RSD	.04258	.97279	0	.16897

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 22:06 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3876	15.06	-.00543	3.787	1.029	.9472
SDev	.0565	.3777	.84057	.5062	.2347	.1788
%RSD	14.56	2.507	15465	13.37	22.81	18.88

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	930.1	.0643	.4675	.6087	.6148	21.97
SDev	.528	.0134	.4083	.047	.758	6.49
%RSD	.0568	20.81	87.35	7.725	123.3	29.54

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	180.1	18.38	1.571	1.720	-376.8	.3267
SDev	1.557	2.694	.3515	.7642	85.33	.224
%RSD	.8648	14.66	22.37	44.42	22.64	68.57

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1117	.46556	2.3396	.5279	1.898	3.2837
SDev	2.2477	.6395	1.88	.1434	.699	.11905
%RSD	202.19	137.36	80.356	27.16	36.83	3.6255

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5104	Q22.01	.63517	.38088	3.3055	.01643
SDev	.1796	.0567	.67925	1.2979	1.8097	4.2734
%RSD	35.19	.2575	106.94	340.76	54.749	26003

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.14361	3.4359	5.0000	20130.8
SDev	.34757	2.6451	0	21.2132
%RSD	242.03	76.983	0	.10537

Method: TOTAL Sample Name: HE70T Operator: KLC
Run Time: 07/13/05 22:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7988	90620.	68.369	14.79	1087.	7.432
SDev	.2037	83.17	1.9952	1.463	.8054	.0595
%RSD	25.5	.0918	2.9182	9.889	.0741	.8008

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20320.	2.426	90.87	137.4	137.0	154200.
SDev	37.26	.0595	.4835	.0269	.0485	20.08
%RSD	.1834	2.454	.5321	.0195	.0354	.013

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12170.	17940.	8598.	19.76	1262.	142.5
SDev	4.916	22.55	8.36	.001	89.51	.0057
%RSD	.0404	.1257	.0972	.0049	7.096	.004

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6235	207.24	.20841	11.63	875.3	3.5456
SDev	.35773	2.1323	.2687	.2648	.0751	.82202
%RSD	22.034	1.0289	128.93	2.278	.0086	23.185

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	237.9	432.5	201.78	209.97	10.905	-3.0100
SDev	.5276	.6313	.81841	2.7882	1.4735	.19933
%RSD	.2218	.1459	.40558	1.3279	13.513	6.6223

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.1225	1.3721	5.0000	21413.6
SDev	2.7843	1.7929	0	.84935
%RSD	131.18	130.66	0	.00396

Method: TOTAL Sample Name: HE70V Operator: KLC
Run Time: 07/13/05 22:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.368	111600.	78.761	28.90	1043.	8.139
SDev	.1333	33.38	2.8442	1.851	.0547	.0221
%RSD	9.738	.0299	3.6112	6.407	.0052	.2711

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24220.	3.106	134.7	155.8	179.6	166900.
SDev	10.32	.1085	.2338	.4323	.6216	96.43
%RSD	.0426	3.492	.1737	.2775	.346	.0578

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18380.	23730.	10020.	28.97	-152.4	181.2
SDev	28.3	12.03	2.335	.2193	79.52	1.03
%RSD	.154	.0507	.0233	.7571	52.19	.5684

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.28439	326.87	-.34541	15.68	996.3	5.9295
SDev	2.2435	.7043	.11244	1.633	.3469	1.0779
%RSD	788.88	.21546	32.554	10.42	.0348	18.178

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	232.6	593.4	321.04	329.78	7.8015	-3.4685
SDev	.1242	.1639	1.2765	.41863	3.5026	1.6149
%RSD	.0534	.0276	.39759	.12694	44.896	46.56

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.39143	-.32244	5.0000	21485.8
SDev	1.0986	.37988	0	16.1226
%RSD	280.66	117.81	0	.07503

Method: TOTAL Sample Name: HE70W Operator: KLC
Run Time: 07/13/05 22:20 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.312	91370.	72.418	22.06	929.9	7.278
SDev	.4132	154.8	.20437	.26	1.609	.0061
%RSD	31.5	.1694	.28221	1.179	.173	.0833

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24210.	3.046	138.7	134.5	159.5	148100.
SDev	29.53	.0494	.0137	.1676	.1478	148.5
%RSD	.122	1.623	.0099	.1247	.0927	.1003

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13920.	21650.	9288.	23.61	95.11	168.4
SDev	47.29	8.013	5.574	.1032	19.5	.2641
%RSD	.3396	.037	.06	.4372	20.5	.1569

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2330	314.87	1.0854	13.86	837.2	6.9515
SDev	.95201	.18547	.49772	.5002	1.166	2.7298
%RSD	77.21	.0589	45.856	3.608	.1393	39.27

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	203.9	521.5	308.83	317.89	9.2592	-2.7740
SDev	.2915	.645	.48184	.51865	3.0936	2.9718
%RSD	.1429	.1237	.15602	.16315	33.411	107.13

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.3466	.95503	5.0000	21641.6
SDev	1.6561	.08059	0	13.2928
%RSD	122.98	8.4393	0	.06142

Method: TOTAL Sample Name: HE70X Operator: KLC
Run Time: 07/13/05 22:25 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4548	76550.	62.657	22.69	818.2	5.681
SDev	.0538	330.9	.92859	.8761	2.533	.0271
%RSD	11.82	.4323	1.482	3.862	.3096	.4766

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20900.	3.176	110.9	121.9	157.6	125700.
SDev	75.99	.1865	.6155	.5808	1.031	461.6
%RSD	.3635	5.873	.5553	.4763	.6546	.3673

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10340.	20570.	6483.	23.84	215.7	145.2
SDev	44.42	65.22	17.92	.8399	104.6	1.214
%RSD	.4294	.3171	.2764	3.523	48.47	.8361

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.81635	355.73	1.3563	16.42	749.3	5.3034
SDev	.9097	1.0298	.02023	.2102	3.116	.90385
%RSD	111.44	.28949	1.4918	1.28	.4159	17.043

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	166.1	552.0	350.96	358.12	9.9047	-3.7210
SDev	.813	2.316	1.3188	.88552	.08802	1.3199
%RSD	.4895	.4196	.37578	.24726	.88874	35.473

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.1666	1.4511	5.0000	20844.9
SDev	1.0053	.53222	0	83.5795
%RSD	86.174	36.678	0	.40095

Method: TOTAL Sample Name: HE700 Operator: KLC
Run Time: 07/13/05 22:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1037	102300.	536.73	66.57	829.4	6.463
SDev	.5438	819.6	6.4657	.8325	5.316	.0493
%RSD	524.5	.8013	1.2046	1.251	.6409	.7621

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	81590.	14.36	68.91	202.5	227.4	154300.
SDev	582.4	.2029	.4492	1.715	1.489	1224
%RSD	.7138	1.413	.6518	.8467	.6549	.7933

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17330.	45440.	4516.	15.48	-372.7	176.3
SDev	157.3	330.5	29.53	.9808	64.09	1.429
%RSD	.9081	.7274	.6539	6.337	17.19	.8104

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4259	1990.6	5.6611	20.01	810.1	1.6726
SDev	3.3771	8.878	2.7349	2.691	6.684	.17802
%RSD	139.21	.44599	48.31	13.45	.8251	10.644

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	203.4	977.2	1966.8	2002.5	15.752	-4.2271
SDev	.9452	6.73	10.796	7.9204	6.9747	1.5811
%RSD	.4647	.6887	.54892	.39552	44.278	37.404

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.1190	7.4295	5.0000	21332.5
SDev	1.9124	3.1455	0	132.512
%RSD	90.25	42.338	0	.62117

Method: TOTAL Sample Name: HE701 Operator: KLC
Run Time: 07/13/05 22:35 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.092	104100.	102.93	27.60	1260.	6.002
SDev	.192	381.4	.09485	1.553	5.112	.0311
%RSD	17.58	.3664	.09216	5.627	.4057	.518

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	85840.	2.929	89.50	140.3	157.3	145300.
SDev	301.3	.0675	.2354	.0369	.5627	662.6
%RSD	.351	2.306	.2631	.0263	.3578	.4558

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12170.	48920.	6507.	11.35	214.2	127.7
SDev	16.97	137	23.52	.5854	8.709	.0594
%RSD	.1395	.2801	.3615	5.159	4.065	.0465

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.80948	302.29	.40139	15.51	1029.	2.9514
SDev	.28679	.40661	1.5628	1.689	4.644	1.8211
%RSD	35.429	.13451	389.34	10.88	.4513	61.701

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	230.2	693.0	296.81	305.02	7.4911	-4.9536
SDev	.7676	1.892	1.8801	.32901	.04664	.40669
%RSD	.3334	.2731	.63344	.10786	.62265	8.2101

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.73911	.23279	5.0000	21234.1
SDev	.05806	2.372	0	27.294
%RSD	7.8563	1019	0	.12853

Method: TOTAL Sample Name: HE702 Operator: KLC
Run Time: 07/13/05 22:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7951	76980.	57.833	26.65	743.5	5.509
SDev	.2547	629.5	1.4009	1.856	6.344	.0647
%RSD	32.04	.8178	2.4224	6.965	.8532	1.175

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24160.	2.827	96.65	107.9	133.4	116700.
SDev	211.6	.1115	.6736	.96	1.671	972.2
%RSD	.8758	3.944	.697	.8899	1.252	.833

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10650.	18960.	6071.	18.83	102.3	122.9
SDev	67.55	176.7	54.36	.6289	45.33	2.066
%RSD	.6344	.9317	.8954	3.34	44.3	1.681

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.68297	273.50	2.1638	16.34	739.4	3.8727
SDev	2.5044	2.3577	1.9098	1.775	6.295	.95047
%RSD	366.7	.86203	88.263	10.86	.8513	24.543

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	162.7	466.9	268.70	275.90	9.2570	-3.5976
SDev	1.281	3.932	1.5814	2.7452	4.749	1.3838
%RSD	.7871	.8421	.58854	.99502	51.302	38.464

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	2.6333	1.9294	5.0000	21072.2
SDev	2.296	1.717	0	147.643
%RSD	87.192	88.992	0	.70065

Method: TOTAL Sample Name: HE703 Operator: KLC
Run Time: 07/13/05 22:44 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3999	106200.	95.171	23.62	1135.	7.442
SDev	.3192	271.1	.17138	.891	2.799	.0354
%RSD	79.82	.2553	.18007	3.771	.2465	.4759

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	38160.	5.787	123.3	171.1	205.4	188600.
SDev	110.7	.093	.2747	.7164	.5736	498.8
%RSD	.29	1.608	.2229	.4188	.2793	.2645

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15100.	23130.	8798.	45.00	939.0	160.9
SDev	37.64	79.72	25.49	.1724	60.38	.4401
%RSD	.2493	.3446	.2897	.3831	6.43	.2736

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.18714	360.95	.47453	18.39	840.9	5.1083
SDev	.06231	.84365	.36558	.6851	1.553	.48726
%RSD	33.299	.23373	77.039	3.726	.1847	9.5387

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	241.3	666.3	353.53	364.66	12.925	-6.7331
SDev	.4751	1.546	.81068	1.6696	1.2159	.70049
%RSD	.1969	.232	.2293	.45785	9.4081	10.404

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.32798	.54770	5.0000	21331.6
SDev	.86619	.98054	0	22.6274
%RSD	264.09	179.03	0	.10607

Method: TOTAL Sample Name: HE703L Operator: KLC
Run Time: 07/13/05 22:49 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3102	22730.	19.264	1.481	241.8	1.826
SDev	.131	.4958	1.0381	.5091	.3084	.0187
%RSD	42.22	.0022	5.3888	34.39	.1276	1.022

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8228.	1.012	26.48	36.81	43.28	40820.
SDev	1.993	.0582	.0133	.0727	.1148	50.93
%RSD	.0242	5.752	.0504	.1974	.2653	.1248

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3078.	4935.	1933.	9.613	-63.44	34.62
SDev	6.208	3.98	1.3	.7549	36.32	1.553
%RSD	.2017	.0806	.0672	7.853	57.25	4.486

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.61877	79.394	.81716	2.860	179.1	.98077
SDev	1.7126	.62906	.10766	.0718	.2671	.02667
%RSD	276.78	.79233	13.176	2.51	.1491	2.7195

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51.83	145.8	77.258	80.460	1.7813	-1.8170
SDev	.3617	.3491	.74693	.57022	2.8856	1.127
%RSD	.6979	.2394	.9668	.7087	161.99	62.023

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.1117	2.2794	5.0000	20345.2
SDev	.07624	.12335	0	9.05013
%RSD	3.6107	5.4118	0	.04448

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 22:56 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1023.	25470.	506.62	4794.	2075.	2103.
SDev	3.953	125.2	2.6361	29.53	9.406	8.748
%RSD	.3862	.4916	.52032	.6159	.4532	.416

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51100.	521.0	2054.	2054.	2067.	24140.
SDev	233.9	2.117	9.522	9.603	9.778	126.6
%RSD	.4578	.4063	.4636	.4676	.4732	.5244

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50890.	49700.	2045.	2035.	47310.	2033.
SDev	250.9	268.1	8.3	13.74	301.8	1.038
%RSD	.493	.5395	.4059	.6751	.638	.051

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	514.87	513.40	512.89	5069.	5068.	1032.3
SDev	4.7018	3.8044	2.9841	24.15	25.33	4.4577
%RSD	.9132	.74102	.58182	.4765	.4998	.43182

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1996.	2085.	508.59	515.80	506.83	518.88
SDev	11.03	9.687	4.0805	3.6666	1.986	6.0576
%RSD	.5526	.4647	.80231	.71086	.39184	1.1674

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	511.45	513.61	5.0000	19939.9
SDev	2.6441	3.1539	0	80.1848
%RSD	.51698	.61405	0	.40213

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 23:03 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4641	13.50	-.17967	3.567	.8810	.9405
SDev	.6402	1.413	.60897	2.283	.3315	.1783
%RSD	137.9	10.47	338.92	64.01	37.63	18.96

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	951.9	.0621	.6666	.9064	.7841	7.921
SDev	6.733	.167	.5934	.5088	.3227	7.666
%RSD	.7074	269	89.01	56.13	41.15	96.78

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	176.8	13.94	1.232	1.478	-401.4	.8859
SDev	10.36	8.717	.2464	1.149	97.78	.0367
%RSD	5.857	62.53	20	77.73	24.36	4.148

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.78421	.88004	-.69883	2.752	1.835	1.0525
SDev	2.0055	.45453	.58196	.4999	.5806	2.2508
%RSD	255.74	51.649	83.276	18.16	31.65	213.85

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5827	Q22.18	1.3565	.64216	1.5754	.38922
SDev	.4515	.0308	.57843	.97024	2.4083	1.8044
%RSD	77.48	.1387	42.641	151.09	152.88	463.58

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.49674	-.79973	5.0000	19868.5
SDev	1.1141	1.4287	0	138.452
%RSD	224.27	178.65	0	.69684

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/13/05 23:17 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1026.	25600.	510.70	4824.	2081.	2113.
SDev	4.122	100.1	2.2653	21.39	7.91	6.595
%RSD	.4017	.3912	.44356	.4434	.3801	.3121

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51390.	523.5	2065.	2068.	2077.	24400.
SDev	190.7	2.195	6.845	7.51	7.718	112.7
%RSD	.3711	.4192	.3314	.3632	.3715	.462

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50700.	49980.	2042.	2053.	47490.	2027.
SDev	155.1	193.4	7.584	11.84	70.69	.0776
%RSD	.3059	.387	.3713	.5766	.1489	.0038

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	516.53	515.12	518.33	5102.	5100.	1037.5
SDev	1.7193	3.3952	5.8786	13.34	19.63	3.4822
%RSD	.33285	.65911	1.1341	.2615	.3849	.33564

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2011.	2092.	510.84	517.25	510.26	519.65
SDev	7.625	6.031	4.13	3.0283	.04182	2.5567
%RSD	.3791	.2883	.80848	.58546	.00819	.49201

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	515.72	519.64	5.0000	19897.9
SDev	3.0202	7.3056	0	50.7708
%RSD	.58563	1.4059	0	.25515

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/13/05 23:24 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4238	15.77	.23669	3.538	.6129	.8008
SDev	.6186	3.801	1.6828	.2269	.1268	.1993
%RSD	146	24.11	710.97	6.412	20.69	24.89

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	345.2	.0465	.6896	.3825	.5825	7.966
SDev	10.84	.0443	.365	.4444	.2456	2.619
%RSD	3.139	95.18	52.92	116.2	42.17	32.87

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	171.0	6.850	.5950	1.658	-587.4	1.407
SDev	5.992	5.502	.1616	.1798	357.6	.5242
%RSD	3.504	80.32	27.15	10.85	60.88	37.25

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.6894	.65931	-.76595	1.658	1.252	.95324
SDev	3.4117	.68336	1.0142	2.593	.491	.17434
%RSD	126.86	103.65	132.41	156.4	39.21	18.29

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2848	9.967	.10934	.93388	5.0263	1.5227
SDev	.3424	.4046	.83554	.60739	3.7592	3.2382
%RSD	120.3	4.06	764.12	65.039	74.789	212.66

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3482	-.47525	5.0000	19934
SDev	.4079	1.7241	0	381.271
%RSD	30.255	362.78	0	1.91266

Method: TOTAL Sample Name: HEW2RB Operator: KLC
Run Time: 07/14/05 01:04 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0467	5.389	-.32920	-1.026	.1168	.2757
SDev	.047	5.173	.05353	1.294	.0331	.0007
%RSD	100.6	96	16.262	126.1	28.39	.2465

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	286.6	-.0232	.1988	-.6523	1.657	5.101
SDev	.5848	.0768	.3295	.2912	.3537	4.312
%RSD	.204	330.6	165.7	44.64	21.34	84.53

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	161.1	6.341	.2993	.4467	-574.4	-.4833
SDev	6.486	2.41	.0576	.7634	108.8	.9018
%RSD	4.025	38.01	19.26	170.9	18.95	186.6

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.6037	1.1398	-1.0661	-.3525	.2467	2.6003
SDev	2.0744	.01621	1.6501	.1058	0	.13702
%RSD	79.671	1.4228	154.77	30.02	0	5.2695

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0848	9.086	-1.4241	2.4199	8.5049	-.34253
SDev	.1794	.0166	.66502	.3077	3.4635	1.3808
%RSD	211.5	.1828	46.698	12.716	40.724	403.12

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.1356	-.53219	5.0000	20249.8
SDev	.32859	2.3099	0	11.3137
%RSD	15.386	434.03	0	.05587

Method: TOTAL Sample Name: HEW2RC Operator: KLC
Run Time: 07/14/05 01:08 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50.68	1888.	1776.4	840.7	1783.	48.20
SDev	.3052	25.04	15.305	7.291	15.09	.4298
%RSD	.6021	1.326	.86158	.8672	.8466	.8916

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44650.	45.93	449.4	184.4	239.1	1010.
SDev	373	.4428	4.022	1.933	2.443	16.87
%RSD	.8355	.9641	.8951	1.048	1.022	1.669

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43800.	42500.	437.4	893.4	41750.	419.1
SDev	259.2	408.2	4.15	8.899	373.8	3.04
%RSD	.5918	.9605	.9486	.996	.8953	.7255

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1845.9	450.74	461.21	1808.	927.5	1806.1
SDev	15.271	3.4014	3.8564	14.77	9.647	23.417
%RSD	.82729	.75463	.83613	.8167	1.04	1.2966

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	443.6	465.4	446.37	452.92	1814.7	1861.4
SDev	4.022	3.823	2.6172	3.793	8.0599	18.871
%RSD	.9066	.8215	.58633	.83744	.44415	1.0138

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	457.46	463.08	5.0000	19960.2
SDev	4.0046	3.7823	0	146.795
%RSD	.8754	.81677	0	.73543

Method: TOTAL Sample Name: HEN50 Operator: KLC
Run Time: 07/14/05 01:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1044	42.15	1.0792	185.9	75.49	.2875
SDev	.3728	4.607	.32295	1.215	.3902	.0128
%RSD	357	10.93	29.926	.6534	.517	4.441

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43580.	.0706	.3931	.0630	1.309	42.89
SDev	181.2	.0367	.051	.0267	.1304	6.302
%RSD	.4156	51.98	12.97	42.4	9.963	14.69

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2399.	29110.	11.65	48.12	20130.	9.025
SDev	7.399	136	.093	1.044	91.54	1.117
%RSD	.3085	.4673	.7985	2.169	.4548	12.37

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.7606	-.07707	1.3012	-.3281	.2467	3.5069
SDev	.68542	.08686	.15128	.3135	0	1.1615
%RSD	24.829	112.7	11.626	95.55	0	33.119

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1570	29.26	-1.3335	.55021	8.1784	.05575
SDev	.4241	.2171	2.3856	1.0608	2.4618	.20144
%RSD	270	.742	178.9	192.8	30.102	361.34

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.07400	1.9879	5.0000	19974.2
SDev	2.6263	1.0844	0	57.6996
%RSD	3548.7	54.55	0	.28887

Method: TOTAL Sample Name: HEN50S Operator: KLC
Run Time: 07/14/05 01:19 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	57.47	2206.	2027.6	1151.	2117.	54.93
SDev	.22	.8863	2.285	4.291	2.62	.067
%RSD	.3828	.0402	.11269	.3728	.1237	.122

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	92270.	52.02	507.9	209.3	271.6	1191.
SDev	132.7	.0168	.571	.2052	.3244	10.98
%RSD	.1438	.0323	.1124	.098	.1194	.9224

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52060.	77640.	509.1	1069.	67660.	481.1
SDev	197	138.7	.5095	1.173	157.3	4.318
%RSD	.3784	.1786	.1001	.1097	.2324	.8977

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2089.0	509.59	527.86	2059.	1059.	2043.0
SDev	6.5618	1.2925	.70171	9.307	.8731	2.5528
%RSD	.3141	.25363	.13293	.4521	.0824	.12495

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.9	553.9	504.25	512.25	2054.5	2106.2
SDev	1.345	1.414	1.9395	.96942	9.014	5.3377
%RSD	.2664	.2553	.38464	.18924	.43873	.25341

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	520.64	531.47	5.0000	19762
SDev	1.684	.21126	0	19.2327
%RSD	.32344	.03975	0	.09732

Method: TOTAL Sample Name: HEN50D Operator: KLC
Run Time: 07/14/05 01:24 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	57.58	2187.	2016.4	1142.	2104.	54.64
SDev	.2479	1.548	1.2643	1.049	.2218	.0026
%RSD	.4306	.0708	.0627	.0919	.0105	.0047

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	91320.	51.66	505.3	207.8	269.4	1187.
SDev	16.94	.0057	.486	.0465	.3878	2.677
%RSD	.0185	.011	.0962	.0224	.144	.2255

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51740.	76990.	506.6	1064.	66850.	474.8
SDev	6.93	89.03	.0467	2.501	1.735	1.684
%RSD	.0134	.1156	.0092	.2351	.0026	.3547

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2081.8	507.81	526.46	2046.	1053.	2034.4
SDev	.12567	.10478	1.8806	4.203	.2426	5.7743
%RSD	.00603	.02063	.35721	.2054	.023	.28383

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	501.7	545.7	503.80	509.81	2053.0	2096.1
SDev	.2875	.5788	2.3185	1.0004	2.4132	1.0163
%RSD	.0573	.1061	.46019	.19622	.11754	.04848

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	521.43	528.98	5.0000	19743.3
SDev	2.666	1.4885	0	4.3835
%RSD	.51128	.28139	0	.0222

Method: TOTAL Sample Name: HEN59 Operator: KLC
Run Time: 07/14/05 01:30 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5828	11.71	.47344	427.3	86.44	.2936
SDev	.4575	.3783	.66028	.4936	.0716	.001
%RSD	78.5	3.229	139.46	.1155	.0828	.3539

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47250.	.2068	.1950	.0989	1.151	447.3
SDev	9.212	.0448	.1284	.1572	.1226	2.781
%RSD	.0195	21.65	65.84	158.8	10.65	.6216

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1916.	40560.	10.60	46.67	38590.	-.4613
SDev	4.104	.7789	.1035	.9561	102	.2266
%RSD	.2142	.0019	.9769	2.048	.2642	49.11

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0064	-.63977	.54708	1.151	-.1697	4.7455
SDev	1.6519	.44401	.04564	.0746	.3537	.72331
%RSD	54.944	69.402	8.3431	6.482	208.4	15.242

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1689	10.15	-1.9105	-.00538	7.9408	.54296
SDev	.242	.1374	.24976	.541	.40895	2.2724
%RSD	143.2	1.354	13.073	10053	5.1501	418.51

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.88953	1.2643	5.0000	19968.8
SDev	2.9172	1.388	0	22.6274
%RSD	327.95	109.78	0	.11331

Method: TOTAL Sample Name: HEN6D Operator: KLC
Run Time: 07/14/05 01:35 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2398	22.19	.78532	246.9	187.4	.3237
SDev	.3024	5.238	.67983	2.115	.1164	.0104
%RSD	126.1	23.61	86.567	.8567	.0621	3.205

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	266900.	.1866	.6908	-.0669	1.280	20470.
SDev	416.7	.0226	.1578	.6484	.3797	18.57
%RSD	.1561	12.09	22.84	969.1	29.67	.0907

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5683.	100200.	426.4	43.07	79070.	.3991
SDev	8.043	168.8	.4903	.6776	4.646	.2344
%RSD	.1415	.1684	.115	1.573	.0059	58.75

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.32975	-.06976	1.1647	-.3641	-3.581	3.0195
SDev	2.3076	.23844	1.2571	.0008	.3593	1.5863
%RSD	699.79	341.8	107.93	.2136	10.03	52.535

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3919	2.946	-1.9515	.86968	3.4205	-1.2133
SDev	.124	.0859	.16836	.44154	6.0579	.43525
%RSD	31.63	2.916	8.6278	50.771	177.11	35.874

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0333	2.2621	5.0000	19543.6
SDev	2.0212	.87558	0	8.48528
%RSD	195.61	38.707	0	.04341

Method: TOTAL Sample Name: HEN6F Operator: KLC
Run Time: 07/14/05 01:40 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4279	7.557	-.37698	336.4	160.1	.2825
SDev	.6943	.7441	.26497	6.577	1.613	.0122
%RSD	162.3	9.846	70.288	1.955	1.008	4.326

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	112200.	.0511	.6320	-.1898	.6928	3519.
SDev	1468	.0521	.0247	.2153	.3483	39.95
%RSD	1.309	102.1	3.911	113.4	50.28	1.135

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16480.	66980.	24.62	5.993	130900.	-.4881
SDev	144.5	981.4	.3551	.5813	1108	1.904
%RSD	.8772	1.465	1.443	9.699	.8464	390.2

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.51702	.18282	.19763	-1.200	-1.673	2.2702
SDev	.32067	.46233	1.4822	.222	.1005	.76118
%RSD	62.023	252.89	749.94	18.5	6.003	33.529

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4532	4.031	-1.2960	.92112	8.7475	-3.5920
SDev	.3315	.2427	.65147	1.0184	.38271	.28969
%RSD	73.16	6.02	50.268	110.56	4.3752	8.0649

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.6533	1.1217	5.0000	19909.3
SDev	.26546	2.0896	0	182.858
%RSD	16.057	186.29	0	.91845

Method: TOTAL Sample Name: HEN6G Operator: KLC
Run Time: 07/14/05 01:45 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2407	15.42	-.04445	356.7	168.4	.3199
SDev	.8699	9.522	.15619	6.971	2.629	.0175
%RSD	361.4	61.74	351.34	1.954	1.561	5.463

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	118200.	.0525	.7868	.0150	1.162	3778.
SDev	1892	.0115	.5036	.4345	.1731	63.86
%RSD	1.601	21.98	64	2900	14.9	1.69

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17160.	70330.	25.95	6.304	138000.	.6012
SDev	233.3	1153	.4417	.4325	1907	.4904
%RSD	1.359	1.64	1.702	6.86	1.382	81.57

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.72333	-.44548	.39541	-.0266	-1.794	.95764
SDev	1.1384	.91023	.18956	.8597	.0263	1.4843
%RSD	157.38	204.33	47.941	3237	1.465	154.99

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5520	2.137	-1.4745	.06826	7.8742	-2.8467
SDev	.0874	.3093	1.8051	.46345	2.5429	.43723
%RSD	15.83	14.48	122.42	678.93	32.294	15.359

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	.26772	.45916	5.0000	19550
SDev	1.7606	1.1632	0	251.73
%RSD	657.62	253.32	0	1.28762

Method: TOTAL Sample Name: HEN6P Operator: KLC
Run Time: 07/14/05 01:50 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4573	23.01	2.4762	72.80	146.9	.2951
SDev	.0007	1.276	.89658	.7785	.0208	.0249
%RSD	.1492	5.549	36.208	1.069	.0142	8.443

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	76360.	.1110	-.0457	-.0617	.8390	1233.
SDev	10.53	.0517	.3636	.1805	.1614	2.965
%RSD	.0138	46.54	795.3	292.6	19.24	.2405

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1556.	45550.	25.69	10.95	11700.	.6072
SDev	3.905	20.13	.0706	.2806	33.29	.1103
%RSD	.251	.0442	.2748	2.563	.2844	18.16

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0440	-1.4167	.33932	.6935	-1.095	1.8266
SDev	1.7559	.28289	.70728	1.529	.0024	.46207
%RSD	57.683	19.968	208.44	220.5	.2167	25.298

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1348	6.207	-2.5452	-.85334	4.3133	2.4103
SDev	.3963	.2712	1.144	.147	.19421	2.7294
%RSD	293.9	4.369	44.946	17.227	4.5027	113.24

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.0679	1.0419	5.0000	19829
SDev	.00734	1.0567	0	35.0722
%RSD	.68797	101.43	0	.17687

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/14/05 01:57 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1038.	26110.	516.03	4995.	2102.	2146.
SDev	9.978	258.6	5.6882	73.13	20.7	22.11
%RSD	.9613	.9904	1.1023	1.464	.9847	1.03

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52030.	526.5	2076.	2093.	2108.	24620.
SDev	566.1	5.945	22.08	23.63	19.84	289.1
%RSD	1.088	1.129	1.064	1.129	.9414	1.174

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50720.	50610.	2029.	2066.	47930.	1922.
SDev	415.8	565	23.09	22.94	726.1	23.55
%RSD	.8199	1.116	1.138	1.11	1.515	1.226

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	518.20	518.06	518.26	5109.	5220.	1050.5
SDev	1.4916	2.2391	1.888	50.57	53.81	8.4231
%RSD	.28785	.4322	.36429	.9899	1.031	.80178

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2039.	2093.	514.63	519.77	517.63	518.48
SDev	22.58	19.88	5.8621	.43024	4.4651	4.4656
%RSD	1.107	.9499	1.1391	.08277	.86261	.86127

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	519.80	517.50	5.0000	19659.7
SDev	2.8732	1.3961	0	119.784
%RSD	.55274	.26978	0	.60928

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/14/05 02:05 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4299	10.83	.38474	3.208	.5341	.7719
SDev	.3429	4.79	1.7092	.3888	.1356	.1538
%RSD	79.76	44.25	444.25	12.12	25.39	19.93

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	348.0	.0981	.4495	.6031	.8154	1.750
SDev	3.626	.0418	.1796	.7009	.4998	9.816
%RSD	1.042	42.65	39.95	116.2	61.29	561

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	179.7	12.32	.5069	.9174	-285.3	.5816
SDev	15.74	7.766	.1734	.643	311.9	.3411
%RSD	8.761	63.01	34.21	70.09	109.3	58.65

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.0217	.35196	1.6489	2.366	1.409	.56272
SDev	1.3798	1.027	.88548	1.942	.4695	2.4445
%RSD	45.661	291.78	53.7	82.09	33.31	434.41

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5785	9.764	1.3691	-.15583	6.4045	1.3329
SDev	.6943	.0616	1.488	2.2826	1.6679	2.9013
%RSD	120	.631	108.68	1464.7	26.043	217.67

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1.6496	1.6486	5.0000	20020.7
SDev	.95334	.8516	0	4.38489
%RSD	57.794	51.655	0	.0219

Method: TOTAL Sample Name: HEN6W Operator: KLC
Run Time: 07/14/05 02:10 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0859	21.12	.81423	156.9	73.73	.4796
SDev	.3516	.9719	1.5651	3.209	1.276	.0383
%RSD	409.3	4.603	192.22	2.045	1.731	7.984

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	157000.	.0080	.1638	4.787	1.018	3506.
SDev	2684	.0861	.4773	.176	.5929	63.6
%RSD	1.71	1083	291.3	3.677	58.26	1.814

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5291.	91680.	43.06	14.25	160300.	13.52
SDev	66.13	1573	.8602	1.12	2039	2.252
%RSD	1.25	1.715	1.998	7.863	1.272	16.65

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.05816	-.28833	1.4550	-.4580	-1.882	.85581
SDev	3.1138	.16908	.59268	.9644	.0929	3.2968
%RSD	5353.3	58.643	40.735	210.6	4.936	385.22

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5415	2.480	-1.6887	.41079	4.6111	-2.2149
SDev	.3359	.0142	2.0024	.74618	4.7271	2.3084
%RSD	62.02	.5726	118.58	181.64	102.52	104.22

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.35373	2.3580	5.0000	19516.8
SDev	2.1458	1.9599	0	252.578
%RSD	606.62	83.118	0	1.29415

Method: TOTAL Sample Name: HEN61 Operator: KLC
Run Time: 07/14/05 02:15 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1200	9.104	.61070	225.1	58.33	.3642
SDev	.0385	.2405	1.3335	1.419	.0229	.0031
%RSD	32.1	2.642	218.35	.6301	.0393	.839

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	90490.	-.0057	.1198	-.1187	.7560	428.3
SDev	305.2	.0846	.0266	.3854	.1567	6.068
%RSD	.3373	1473	22.23	324.8	20.73	1.417

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3097.	58330.	4.979	22.21	46970.	.5236
SDev	4.874	268.6	.005	.4383	4.836	.0055
%RSD	.1574	.4605	.1012	1.974	.0103	1.058

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.84064	.33036	-.69838	-.5669	-1.596	.43572
SDev	.60754	.2878	.34367	1.037	.0039	1.1696
%RSD	72.271	87.118	49.21	182.9	.246	268.43

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8431	2.113	.11340	.43868	8.0927	-2.7799
SDev	.2145	.1281	.87779	.00674	.1338	.97766
%RSD	25.44	6.061	774.06	1.5377	1.6534	35.168

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.02370	-1.0352	5.0000	19847.5
SDev	.7007	.86508	0	42.2855
%RSD	2955.6	83.566	0	.21305

Method: TOTAL Sample Name: HEN65 Operator: KLC
Run Time: 07/14/05 02:19 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0693	59.95	-.26448	156.3	65.83	.3837
SDev	.6378	1.464	1.5028	1.353	.5159	.0135
%RSD	920.2	2.441	568.22	.866	.7837	3.516

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	138700.	.0770	.0801	-.0253	.8451	3528.
SDev	1023	.0933	.3416	.8805	.1028	38.31
%RSD	.7375	121.2	426.2	3474	12.17	1.086

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3493.	71520.	76.23	6.135	128800.	.3698
SDev	10.98	472.3	.5862	.9811	792.8	.0913
%RSD	.3144	.6603	.769	15.99	.6157	24.68

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5113	.29305	.55551	.7262	-.8481	1.9338
SDev	.08023	.71253	.61224	.401	.3675	2.5364
%RSD	5.3093	243.15	110.21	55.22	43.33	131.17

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7383	7.247	-.98403	.93063	9.0504	-2.2527
SDev	.189	.036	2.4406	.15018	4.8402	2.2962
%RSD	25.6	.4964	248.02	16.138	53.48	101.93

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.32479	.99501	5.0000	19773.2
SDev	2.8054	.4827	0	194.312
%RSD	863.74	48.512	0	.9827

Method: TOTAL Sample Name: HEN68 Operator: KLC
Run Time: 07/14/05 02:24 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0989	21.99	.70749	431.7	127.5	.3612
SDev	.1544	1.816	.58656	3.848	.8411	.0079
%RSD	156.1	8.259	82.907	.8914	.6595	2.179

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	113800.	.0824	.8154	.0147	.3449	3054.
SDev	944.6	.0767	.2864	.3567	.2565	26.35
%RSD	.8297	93.15	35.12	2424	74.37	.8627

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22810.	81540.	16.13	15.51	121900.	1.165
SDev	140.4	739.4	.1872	.354	847.7	.6693
%RSD	.6153	.9068	1.16	2.282	.6956	57.44

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.70029	.57982	.62491	-.4679	-1.760	1.8250
SDev	2.876	.89139	.82111	.8991	.0116	.17382
%RSD	410.68	153.74	131.4	192.2	.6568	9.5243

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6102	5.255	-2.2544	1.9948	4.8541	-1.3735
SDev	.6361	.145	1.5637	2.1171	1.9088	3.3588
%RSD	104.2	2.758	69.363	106.13	39.324	244.55

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3256	1.5987	5.0000	19886.2
SDev	2.3881	.03879	0	114.551
%RSD	180.15	2.4265	0	.57603

Method: TOTAL Sample Name: HEN7D Operator: KLC
Run Time: 07/14/05 02:29 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1116	13.57	.57843	287.2	46.28	.3760
SDev	.3002	.5906	.64267	2.526	.2461	.0119
%RSD	269	4.353	111.11	.8796	.5318	3.154

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	110600.	.0085	.1905	.0405	6.288	2503.
SDev	585.3	.1421	.0248	.201	.0558	12
%RSD	.5294	1664	13.04	495.9	.8867	.4793

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3531.	94620.	14.05	19.75	91550.	1.652
SDev	18.38	573.9	.1832	.0935	372.2	.0747
%RSD	.5204	.6065	1.304	.4733	.4066	4.523

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.2830	-.44877	.65213	-1.872	-1.696	2.1504
SDev	2.8533	.8403	1.0631	2.05	.1107	.68361
%RSD	222.39	187.24	163.01	109.6	6.528	31.791

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5348	5.893	-2.4213	.53601	5.5149	-.82973
SDev	.0598	.3794	2.0597	.23152	1.9243	3.3171
%RSD	11.18	6.439	85.065	43.194	34.893	399.78

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.3527	1.6531	5.0000	19678.5
SDev	.16813	1.6777	0	88.6715
%RSD	12.429	101.49	0	.4506

Method: TOTAL Sample Name: HEN7F Operator: KLC
Run Time: 07/14/05 02:34 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2368	12.57	-1.4663	162.2	51.13	.3893
SDev	.1263	3.689	.58012	1.059	.4362	.0321
%RSD	53.33	29.35	39.564	.6527	.8532	8.248

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	87790.	-.0418	.0993	.2462	.4436	839.4
SDev	430.9	.0711	.0532	.0737	.6409	15.12
%RSD	.4909	170.2	53.58	29.96	144.5	1.801

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1646.	46520.	76.84	23.49	24960.	4.406
SDev	9.82	295.8	.2907	1.225	150.5	.4237
%RSD	.5965	.6358	.3782	5.215	.603	9.616

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.85101	-.64927	.51912	-1.395	-1.182	2.3093
SDev	.33634	.3668	1.005	1.433	.1144	2.6472
%RSD	39.522	56.494	193.6	102.8	9.68	114.63

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7478	2.845	-1.7140	-.11773	6.4580	-1.9483
SDev	.0636	.093	2.3701	1.7332	3.0614	1.0241
%RSD	8.511	3.27	138.28	1472.1	47.404	52.566

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2987	1.4267	5.0000	19776.9
SDev	.06849	1.4726	0	61.5183
%RSD	5.2738	103.22	0	.31106

Method: TOTAL Sample Name: HEN7H Operator: KLC
Run Time: 07/14/05 02:39 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3555	20.22	1.1270	321.2	103.4	.4134
SDev	.2965	7.337	.06621	6.946	1.998	.0204
%RSD	83.4	36.29	5.8753	2.162	1.932	4.932

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	145900.	.0047	1.026	.1678	.4184	4203.
SDev	2594	.0954	.0975	.3232	.2265	89.36
%RSD	1.778	2027	9.508	192.6	54.13	2.126

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25470.	75330.	19.34	9.026	130900.	-.6677
SDev	436.2	1322	.3909	.2741	2302	.604
%RSD	1.712	1.755	2.021	3.037	1.758	90.45

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.9514	-.72031	.11115	-.1906	-1.883	.56485
SDev	.82263	.2882	1.2132	1.096	.1506	.27753
%RSD	27.873	40.011	1091.4	574.8	7.998	49.133

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3659	3.047	-.74922	-.70587	9.5096	-.32282
SDev	.0584	.1492	.37889	.62125	5.1487	1.3371
%RSD	15.97	4.898	50.572	88.012	54.142	414.2

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.4435	.88730	5.0000	19522.3
SDev	.52985	2.0834	0	276.762
%RSD	36.707	234.8	0	1.41767

Method: TOTAL Sample Name: HEN7K Operator: KLC
Run Time: 07/14/05 02:44 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1686	41.18	.56881	824.4	535.5	.4121
SDev	.6749	7.45	.80318	1.273	.5023	.0041
%RSD	400.4	18.09	141.2	.1544	.0938	1.003

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	101000.	.0412	5.323	1.516	.8941	4721.
SDev	124.6	.0824	.1176	.4894	.314	6.557
%RSD	.1234	200.2	2.209	32.29	35.12	.1389

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	67250.	87500.	136.7	2.835	226800.	1.965
SDev	101.4	56.25	.1494	1.183	534.7	.1845
%RSD	.1508	.0643	.1093	41.74	.2358	9.389

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5628	.25553	.59600	.5027	.1627	4.0277
SDev	.08276	.1885	1.4896	.3865	.1188	.65118
%RSD	5.2957	73.769	249.93	76.89	73	16.168

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5943	3.413	-2.0777	1.4204	8.1575	-1.7296
SDev	.462	.038	2.3591	1.4604	3.7447	1.7455
%RSD	77.73	1.114	113.55	102.82	45.904	100.91

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5759	1.6803	5.0000	19752.9
SDev	.70399	2.5848	0	55.2952
%RSD	44.672	153.82	0	.27993

Method: TOTAL Sample Name: HEN7M Operator: KLC
Run Time: 07/14/05 02:48 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0007	20.64	1.0071	4728.	156.3	.4226
SDev	.3495	7.394	.11821	4.475	.385	.0054
%RSD	48720	35.82	11.738	.0947	.2463	1.27

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	219900.	-.0490	.4496	1.479	.5119	672.1
SDev	238.4	.0108	.3403	.1311	.2195	3.814
%RSD	.1084	22.01	75.7	8.863	42.88	.5675

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9429.	66490.	520.9	1.147	186100.	.4269
SDev	17.46	138.6	.6233	.3987	192.4	1.097
%RSD	.1852	.2085	.1197	34.75	.1034	256.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.23337	.16866	-1.6026	-.6259	-2.971	1.6809
SDev	.5296	.21322	1.41	1.085	.0084	.88419
%RSD	226.93	126.42	87.983	173.3	.2839	52.601

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0563	6.967	-.97442	.73936	8.2194	-3.7536
SDev	.0611	.2022	.04406	.34168	.33109	.95931
%RSD	108.5	2.903	4.5218	46.213	4.0283	25.557

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.3609	-1.2240	5.0000	19636.4
SDev	.77463	1.7272	0	51.4779
%RSD	32.811	141.11	0	.26215

Method: TOTAL Sample Name: HEN7P Operator: KLC
Run Time: 07/14/05 02:53 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0999	15.97	1.0181	490.1	550.0	.4338
SDev	.24	2.104	.64419	2.212	4.641	.0004
%RSD	240.2	13.17	63.274	.4514	.8439	.0947

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	121200.	.0365	1.145	.2804	1.503	49.45
SDev	986.8	.0915	.2373	.0566	.1394	2.871
%RSD	.8145	250.8	20.73	20.2	9.274	5.807

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	35210.	66770.	8.377	.0189	60750.	1.699
SDev	261.3	529.1	.0686	.6546	406.2	.4275
%RSD	.7421	.7924	.8188	3457	.6687	25.15

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6369	-.01223	1.2641	-.8698	-1.512	.17846
SDev	.6991	1.4936	.11187	.5429	.367	.78456
%RSD	42.708	12208	8.85	62.42	24.28	439.62

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3002	5.720	-1.1980	.57975	7.1323	-1.1066
SDev	.1226	.081	2.7545	.8641	2.2222	.06129
%RSD	40.83	1.416	229.93	149.05	31.157	5.5392

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.8135	3.2998	5.0000	19866.3
SDev	2.4908	1.0758	0	135.341
%RSD	88.531	32.603	0	.68125

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/14/05 03:01 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1030.	25720.	507.67	4801.	2069.	2110.
SDev	5.289	139.2	2.6084	12.43	10.29	11.73
%RSD	.5133	.541	.51379	.259	.4974	.5559

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51050.	520.5	2038.	2047.	2078.	23540.
SDev	285	2.84	11.7	10.68	12.06	115.4
%RSD	.5582	.5457	.5742	.5219	.5805	.4901

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50350.	49460.	1981.	2028.	47130.	1946.
SDev	292	266.1	8.482	8.161	420.5	11.4
%RSD	.5799	.538	.4281	.4024	.8923	.5858

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	514.83	512.80	511.97	5019.	5095.	1031.9
SDev	1.7976	2.1439	.99091	25.71	23.77	7.0169
%RSD	.34916	.41808	.19355	.5123	.4665	.67999

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1979.	2074.	506.73	515.83	507.10	518.68
SDev	10.38	11.28	4.5261	.95466	1.6071	3.4974
%RSD	.5248	.5439	.89319	.18507	.31692	.67428

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	514.02	510.94	5.0000	19892.8
SDev	3.8023	3.3839	0	111.723
%RSD	.73971	.66228	0	.56162

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/14/05 03:08 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0248	14.02	.36427	5.429	.5024	.9143
SDev	.1162	2.347	1.1294	1.64	.131	.1269
%RSD	469.5	16.73	310.03	30.21	26.08	13.88

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	348.5	.0170	.3759	.4355	.5124	6.660
SDev	.1217	.0673	.1295	.3339	.2959	2.199
%RSD	.0349	396.7	34.46	76.68	57.75	33.02

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	181.9	11.05	.5444	1.775	-483.8	1.030
SDev	.6713	6.047	.1535	.0162	43.21	.4804
%RSD	.369	54.74	28.19	.9101	8.932	46.63

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9575	.01874	2.0731	.3279	1.256	.10575
SDev	.66869	.86108	.23073	.1289	.4707	1.0919
%RSD	34.161	4592.6	11.13	39.3	37.46	1032.4

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5022	10.01	.16826	-.05589	3.0014	1.4363
SDev	.2106	.0824	.11049	1.3461	2.0725	2.0373
%RSD	41.93	.8236	65.668	2408.2	69.053	141.84

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.54910	3.3822	5.0000	19734.8
SDev	2.2329	.76884	0	115.399
%RSD	406.64	22.732	0	.58475

Method: TOTAL Sample Name: HEPDT Operator: KLC
Run Time: 07/14/05 03:13 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0069	9.905	.59102	202.8	100.1	.6036
SDev	.0872	2.496	.55343	.4235	.2244	.029
%RSD	1263	25.2	93.64	.2088	.2242	4.812

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	183900.	.1235	.0428	-.3330	.0786	9704.
SDev	307.2	.0108	.2349	.5063	.4713	12.37
%RSD	.167	8.772	549.2	152	599.7	.1274

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5464.	39590.	197.3	47.14	422700.	.2202
SDev	1.838	46.08	.2357	.368	497.3	.3491
%RSD	.0336	.1164	.1195	.7807	.1177	158.5

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1736	-.44364	-.07724	.1591	-2.713	.60939
SDev	4.309	.61046	2.3468	1.258	.3572	1.8933
%RSD	135.78	137.6	3037.9	791	13.17	310.68

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5237	2.304	-1.4896	.07853	11.200	-.83346
SDev	.0928	.1021	1.1843	1.5065	7.9785	2.4769
%RSD	17.72	4.43	79.505	1918.2	71.239	297.19

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.2949	.53066	5.0000	19661.7
SDev	.77929	3.1293	0	10.0417
%RSD	60.182	589.71	0	.05107

Method: TOTAL Sample Name: HDJ92 Operator: KLC
Run Time: 07/14/05 03:18 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0382	489.7	-.06958	227.9	358.6	.5454
SDev	.0399	6.778	.52455	3.295	3.807	.0026
%RSD	104.4	1.384	753.8	1.446	1.062	.474

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	127800.	-.0514	-.3982	.1282	2.374	1446.
SDev	1464	.0879	.1737	.1297	.0393	26.64
%RSD	1.146	171	43.62	101.2	1.654	1.842

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2660.	39170.	66.04	1.059	35760.	.2199
SDev	25.75	439	.9102	.8045	391.7	.8333
%RSD	.9677	1.121	1.378	75.94	1.095	378.9

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3873	1.9794	.71600	-.1196	-.4285	2.9761
SDev	2.4053	1.9243	.82197	.9541	.0068	1.8711
%RSD	173.38	97.216	114.8	797.9	1.579	62.871

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0976	3.501	-.18507	3.0600	6.2688	-1.0498
SDev	.2769	.1478	1.3702	2.201	5.0336	1.0931
%RSD	283.9	4.221	740.32	71.926	80.296	104.13

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-.66764	1.4068	5.0000	19699.2
SDev	.58206	1.5229	0	197.425
%RSD	87.182	108.26	0	1.00219

Method: TOTAL Sample Name: HDJ94F Operator: KLC
Run Time: 07/14/05 03:23 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0034	109.3	.13200	125.3	331.2	.4885
SDev	1.032	7.37	.08405	4.115	9.103	.0331
%RSD	30030	6.745	63.679	3.283	2.749	6.767

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	120700.	.0766	.0852	-.1728	.2402	635.5
SDev	3067	.0828	.4903	.6776	.1593	10.25
%RSD	2.541	108.2	575.4	392.1	66.34	1.613

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2510.	37240.	61.90	1.088	33860.	.8398
SDev	42.33	1021	1.646	.3491	628.7	.3484
%RSD	1.687	2.743	2.659	32.09	1.857	41.49

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.2792	.28175	-.82439	-.5274	-1.406	1.3860
SDev	.96187	.2032	2.8485	1.096	.4933	1.4639
%RSD	42.201	72.123	345.53	207.8	35.08	105.62

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0791	4.046	-.91561	.87953	7.6182	-.38623
SDev	.0914	.0568	2.7067	1.0467	.92549	.98003
%RSD	115.5	1.403	295.62	119	12.148	253.74

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-2.3388	-.06834	5.0000	20164.1
SDev	.4263	4.4835	0	327.674
%RSD	18.228	6560.3	0	1.62503

Method: TOTAL Sample Name: HENGH Operator: KLC
Run Time: 07/14/05 03:28 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	436.4	584.9	42.174	H49090.	209.6	.2673
SDev	3.931	.5993	1.5567	332.6	1.579	.0068
%RSD	.9009	.1025	3.6911	.6775	.7535	2.543

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	126200.	S20280.	k15.22	86.89	431.4	66.50
SDev	107.3	93.35	.1845	.6637	2.653	19.6
%RSD	.0851	.4603	1.212	.7639	.615	29.47

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	C.0000	71650.	349.0	1318.	S13e6	k46.59
SDev	0	102.7	.6394	1.6	32290	.2108
%RSD	0	.1434	.1832	.1214	.253	.4523

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2072.2	k1513.5	k1778.7	-52.56	41.15	221.96
SDev	.32748	2.0821	1.4924	1.113	.5438	2.8038
%RSD	.0158	.13757	.0839	2.117	1.321	1.2632

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.971	k20500.	k1511.4	k1514.5	2016.6	2100.0
SDev	.9058	54.91	5.3702	5.8027	8.1161	3.5609
%RSD	30.49	.2678	.35531	.38313	.40247	.16956

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	1754.5	k1790.8	5.0000	13168.9
SDev	9.8588	2.6846	0	60.1041
%RSD	.56191	.14991	0	.4564

Method: TOTAL Sample Name: HENGHL Operator: KLC
Run Time: 07/14/05 03:33 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70.39	98.55	7.7904	9263.	40.31	.5105
SDev	.9749	9.686	1.9087	29.94	.0199	.0064
%RSD	1.385	9.828	24.501	.3232	.0494	1.262

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27550.	H2611.	3.696	18.30	71.63	9.792
SDev	43.34	1.529	.5473	1.17	.2715	.0192
%RSD	.1573	.0586	14.81	6.395	.379	.1957

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	438900.	16150.	73.85	261.1	H3607e3	10.73
SDev	3502	5.74	.2062	2.469	9259	2.359
%RSD	.7979	.0355	.2793	.9455	.2567	21.99

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	332.93	321.55	306.26	-6.547	8.596	49.971
SDev	1.5386	.12444	5.35	.9173	.0997	4.5091
%RSD	.46212	.0387	1.7469	14.01	1.159	9.0235

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4927	4361.	321.04	321.80	332.68	333.06
SDev	.1429	12.81	4.8537	2.6098	8.1143	1.7444
%RSD	29	.2937	1.5119	.81098	2.4391	.52374

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	309.53	304.63	5.0000	17324.3
SDev	.19684	7.9226	0	74.8124
%RSD	.06359	2.6007	0	.43183

Method: TOTAL Sample Name: HEW2VB 5187020 Operator: KLC
Run Time: 07/14/05 03:41 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2844	3.513	-1.2253	17.01	.0552	.5117
SDev	.1515	1.642	.3721	1.747	.0657	.0052
%RSD	53.27	46.73	30.368	10.27	119	1.016

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	201.0	.2353	-.0598	-.5940	.6520	5.356
SDev	.1453	.0825	.024	.5467	.0882	4.005
%RSD	.0723	35.06	40.18	92.03	13.53	74.78

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	221.0	11.02	.3509	.2837	H1463.	.3455
SDev	.4225	.365	.0027	.2535	161.3	.1062
%RSD	.1912	3.313	.775	89.36	11.02	30.74

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3477	.37879	.19738	-1.255	.2467	.42993
SDev	.56069	.75815	.11375	.2804	0	1.0907
%RSD	41.603	200.15	57.632	22.35	0	253.69

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1513	7.766	-2.5065	1.8193	8.2570	-2.1017
SDev	.332	.0867	.48639	.89383	5.3129	1.8118
%RSD	219.5	1.117	19.405	49.131	64.344	86.207

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.5959	1.0927	5.0000	19974.4
SDev	.7603	.20902	0	65.6201
%RSD	47.641	19.13	0	.32852

Method: TOTAL Sample Name: HEW2VC Operator: KLC
Run Time: 07/14/05 03:46 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L3.670	1845.	1727.4	800.4	1748.	47.30
SDev	.4264	3.024	1.7494	1.431	.4361	.0818
%RSD	11.62	.1639	.10127	.1788	.025	.1729

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43530.	45.02	435.2	177.1	232.9	966.6
SDev	81.91	.0986	1.192	.2161	.7888	5.693
%RSD	.1881	.2191	.2739	.122	.3387	.589

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43820.	41200.	420.9	866.4	41470.	425.8
SDev	109.9	74.75	.5028	2.026	268.7	2.766
%RSD	.2508	.1814	.1194	.2338	.6479	.6496

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1804.4	438.58	452.16	1756.	893.2	1756.8
SDev	3.6294	.27304	2.6386	4.818	.3789	.05187
%RSD	.20113	.06225	.58355	.2745	.0424	.00295

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	421.5	456.6	432.54	441.60	1753.5	1829.9
SDev	1.073	.7633	1.0802	.94864	3.4761	7.1767
%RSD	.2546	.1672	.24973	.21482	.19823	.39219

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	448.82	453.82	5.0000	19833.2
SDev	1.5059	3.2041	0	18.9496
%RSD	.33552	.70601	0	.09554

Method: TOTAL Sample Name: HENVL Operator: KLC
Run Time: 07/14/05 03:51 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0743	56.21	1449.8	123.3	8.259	.5891
SDev	.2613	.9579	4.9226	1.984	.1557	.0038
%RSD	351.9	1.704	.33955	1.61	1.886	.6465

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	91210.	.1240	2.529	2.087	1.711	2418.
SDev	207.4	.0045	.0564	.3148	.2502	.3813
%RSD	.2273	3.658	2.229	15.08	14.62	.0158

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18900.	28590.	189.4	18.87	87840.	8.553
SDev	48.06	71.76	.4122	.0909	318.2	.6726
%RSD	.2542	.251	.2176	.4819	.3623	7.864

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18.690	.47306	21.365	-.5329	1.849	4.2514
SDev	3.3923	.88927	1.1491	.4272	.3609	1.9356
%RSD	18.151	187.98	5.3783	80.18	19.52	45.528

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	74.79	12.99	-.59388	1.0057	24.858	15.610
SDev	.1188	.0517	.40563	1.1307	1.7992	4.1876
%RSD	.1589	.3979	68.301	112.43	7.238	26.827

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	19.588	22.253	5.0000	19720.6
SDev	.1309	1.6574	0	39.3149
%RSD	.66827	7.4482	0	.19935

Method: TOTAL Sample Name: HENVLS Operator: KLC
Run Time: 07/14/05 03:55 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.528	2254.	3530.9	1073.	2107.	56.09
SDev	.3519	3.077	1.3843	0	2.128	.067
%RSD	7.772	.1365	.0392	0	.101	.1194

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	143400.	52.87	519.3	210.6	281.1	3592.
SDev	123.5	.1097	.6587	.2324	.0943	4.857
%RSD	.0861	.2074	.1268	.1103	.0335	.1352

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70750.	79050.	694.6	1045.	137800.	514.3
SDev	93.58	98.14	1.002	.924	175	.8188
%RSD	.1323	.1241	.1443	.0884	.1269	.1592

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2137.8	515.68	561.78	2113.	1062.	2072.0
SDev	5.9755	.0738	.84029	.6531	1.327	2.4996
%RSD	.27951	.01431	.14957	.0309	.1249	.12063

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	573.9	550.1	508.80	519.11	2068.5	2172.5
SDev	.2481	1.054	.29097	.03465	4.2535	6.8353
%RSD	.0432	.1916	.05718	.00667	.20563	.31462

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	559.42	562.96	5.0000	19495.8
SDev	1.9337	2.2252	0	0
%RSD	.34566	.39527	0	0

Method: TOTAL Sample Name: HENVLD Operator: KLC
Run Time: 07/14/05 04:00 Filename: I50712A
Mode: CONC Type: S Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.163	2210.	3451.5	1046.	2061.	54.67
SDev	.088	4.351	3.1014	1.811	1.604	.0066
%RSD	2.115	.1969	.08985	.1731	.0778	.012

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	139900.	51.65	506.2	205.1	274.7	3494.
SDev	141.5	.054	.5592	.8535	.1452	14.53
%RSD	.1012	.1045	.1105	.4161	.0529	.4158

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	69600.	77170.	678.3	1021.	134900.	503.6
SDev	34.36	173	.1108	.2761	136.7	1.066
%RSD	.0494	.2242	.0163	.027	.1013	.2117

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2084.3	501.87	549.97	2061.	1035.	2023.3
SDev	.35372	1.0939	1.9336	.5692	.7014	1.58
%RSD	.01697	.21795	.35159	.0276	.0678	.07809

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	558.8	539.4	496.06	504.78	2023.4	2114.6
SDev	.2596	.4819	.11126	1.5845	3.5056	1.2198
%RSD	.0465	.0893	.02242	.31389	.17324	.05768

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	546.97	551.46	5.0000	19596.4
SDev	3.0501	1.3762	0	48.0832
%RSD	.55763	.24955	0	.24536

Method: TOTAL Sample Name: CCV Operator: KLC
Run Time: 07/14/05 04:08 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1035.	25680.	505.52	4650.	2074.	2096.
SDev	3.932	88.27	1.8567	40.07	7.901	7.516
%RSD	.38	.3438	.36728	.8616	.381	.3585

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50580.	518.9	2024.	2026.	2075.	22820.
SDev	160.2	1.31	7.176	7.404	10.33	97.96
%RSD	.3167	.2525	.3546	.3654	.4977	.4293

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50870.	48800.	1967.	2012.	46770.	1999.
SDev	106.4	159.2	9.84	12.31	114.7	4.589
%RSD	.2091	.3262	.5004	.6117	.2453	.2296

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	514.98	508.14	511.77	4987.	5035.	1030.5
SDev	3.09	.84918	.29841	16.6	20.55	7.5369
%RSD	.60002	.16711	.05831	.3329	.4082	.7314

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1943.	2077.	502.17	511.12	504.20	520.36
SDev	9.386	6.733	.98988	1.7673	3.1301	3.07
%RSD	.483	.3242	.19712	.34577	.6208	.58998

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	515.47	509.93	5.0000	19754.9
SDev	.88552	.88947	0	18.5256
%RSD	.17178	.17443	0	.09377

Method: TOTAL Sample Name: CCB Operator: KLC
Run Time: 07/14/05 04:15 Filename: I50712A
Mode: CONC Type: Q Corr. Factor: 1.00000
Lab ID.: N.CANTON Cust. Smpl. ID.: Cust. ID.:

Elems	Ag	Al	As	B	Ba	Be
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2296	6.446	1.0651	10.81	.5179	.9899
SDev	.3075	1.08	.27773	.7043	.1658	.11
%RSD	133.9	16.75	26.076	6.516	32.02	11.11

Elems	Ca	Cd	Co	Cr	Cu	Fe
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	337.2	.1392	.3946	.6327	-.3302	3.299
SDev	2.527	.0792	.0004	.0087	.2688	7.693
%RSD	.7495	56.94	.101	1.376	81.42	233.2

Elems	K	Mg	Mn	Mo	Na	Ni
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	187.2	11.95	.5017	1.751	-105.1	.4386
SDev	1.428	.4862	.1041	1.541	35.12	.3551
%RSD	.7631	4.07	20.74	88.01	33.42	80.95

Elems	Se	Pb	Sb	Sn	Ti	Tl
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0112	-.00472	.11398	2.017	1.166	3.5495
SDev	.12475	.1279	4.6096	1.618	.3507	1.2899
%RSD	6.2032	2705.3	4044	80.24	30.09	36.341

Elems	V	Zn	2203\1	2203\2	1960\1	1960\2
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6267	9.844	-1.1187	.55144	7.1538	-.55623
SDev	.1492	.157	.7822	.58228	.6742	.52364
%RSD	23.81	1.595	69.918	105.59	9.4245	94.14

Elems	2068/2	2068/1	Y_3710	*Y
Units	ppb	ppb	ppb	
Avge	-1.1631	.75156	5.0000	19883
SDev	.70454	6.5592	0	87.115
%RSD	60.576	872.75	0	.43813

MISCELLANEOUS DATA

Metals Internal Chain of Custody

Date Prepared: 07/06/05 **Prep Analyst:** Karen Counts

Laboratory Sample ID			Lab ID	Method	Analysis Date	Analyst	Instrument
A5F300251	1		HEN50	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	1	S	HEN50	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	1	D	HEN50	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	1		HEN50	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	1	S	HEN50	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	1	D	HEN50	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	2		HEN59	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	2		HEN59	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	3		HEN6D	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	3		HEN6D	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	4		HEN6F	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	4		HEN6F	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	5		HEN6G	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	5		HEN6G	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	6		HEN6P	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	6		HEN6P	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	7		HEN6W	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	7		HEN6W	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	8		HEN61	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	8		HEN61	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	9		HEN65	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	9		HEN65	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	10		HEN68	SW846 6010B	07/14/05	Patrick O'Meara	I5

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Metals Internal Chain of Custody

Date Prepared: 07/06/05 **Prep Analyst:** Karen Counts

Laboratory Sample ID		Lab ID	Method	Analysis Date	Analyst	Instrument
A5F300251	10	HEN68	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	11	HEN7D	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	11	HEN7D	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	12	HEN7F	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	12	HEN7F	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	13	HEN7H	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	13	HEN7H	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	14	HEN7K	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	14	HEN7K	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	15	HEN7M	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	15	HEN7M	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	16	HEN7P	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	16	HEN7P	SW846 7470A	07/06/05	Michaelyn List	H1
A5F300251	17	HEPDT	SW846 6010B	07/14/05	Patrick O'Meara	I5
A5F300251	17	HEPDT	SW846 7470A	07/06/05	Michaelyn List	H1

U - Unfiltered F - Filtered T - TCLP L - SPLP East W - SPLP West

Preparation Type	Matrix	Amount of Standard added to LCS & MS/MSD		Initial Sample Vol/Wt	Final Sample Volume
		Amount	Standard name		
ICP	water	1 mL 1 mL 1.0 mL	Ag ICP-1 ICP-2A	50 mL	50 mL
ICPMS	water	0.5ml 0.5ml	ICPMS-1 ICPMS-2	50 mL	50 mL
Cd, Cr, Pb, Tl, Ag, Sb, As, Se - GFAA	water	1 mL	Graphite	50 mL	50 mL
Hg - CVAA	water	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL
Hg - CVAF (low level)	water	0.2 mL (LCS/MS/MSD)	HG ICAL	40 ml	40 ml
ICP	solid	2 mL 2 mL 2 mL	Ag ICP-1 ICP-2A	1.00 +/- .02g	100 mL
ICPMS	solid	1ml 1ml	ICPMS-1 ICPMS-2	1.00 +/- .02g	100ml
As, Se, Cd, Cr, Pb, Tl, Ag, Sb - GFAA	solid	2 mL	Graphite	1.00 +/- .02g	100 mL
Hg - CVAA	solid	5 mL (LCS) 1 mL (MS/MSD)	HG-1 HG-1	0.60 +/- .01g	100 mL
ICP	TCLP	1 mL (LCS) 1 mL(LCS)	Ag ICP-1	50 mL	50 mL
ICP	TCLP	0.5 mL(MS/MSD)	TCLP Spike I RCRA	50 mL	50 mL
ICP	TCLP	1 mL(MS/MSD)	TCLP Spike II Non-RCRA	50 mL	50 mL
Hg - CVAA	TCLP	5 mL (LCS) 5 mL (MS/MSD)	HG-1 HG-1	100 mL	100 mL

Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.0002 ppm	0.2 mL	HG-2	0.1 ppm
0.0005 ppm	0.5 mL	HG-2	0.1 ppm
0.001 ppm	1 mL	HG-2	0.1 ppm
0.005 ppm	5 mL	HG-2	0.1 ppm
0.010 ppm	10 mL	HG-2	0.1 ppm
ICV Preparation			
0.0025 ppm	2.5 mL	HG-1	0.1 ppm
CCV Preparation:			
0.005 ppm	5 mL	HG-2	0.1 ppm

Low Level Mercury Standards Preparation			
Final Concentration	Spiking Standard		
	Amount	Standard	Concentration
Calibration Standards:			
0.5 ppt	20 ul	HG ICAL	1.0 ppb
1.0 ppt	40 ul	HG ICAL	1.0 ppb
2 ppt	80 ul	HG ICAL	1.0 ppb
5 ppt	200 ul	HG ICAL	1.0 ppb
10 ppt	400 ul	HG ICAL	1.0 ppb
25 ppt	1000 ul	HG ICAL	1.0 ppb
ICV Preparation			
5 ppt	200 ul	HG ICV	1.0 ppb
CCV Preparation:			
5 ppt	200 ul	HG ICAL	1.0 ppb

SPIKING STANDARD DEFINITIONS

Elements	Ag	ICP-1	ICP-2A	ICPMS-1	ICPMS-2	GFAA	HG-1	HG-2	HG ICAL	HG ICV	TCLP Spike I	TCLP Spike II
Ag	2.5 ppm			10ppm		0.25 ppm					100 ppm	
Al		100 ppm			100ppm							100 ppm
As		100 ppm		10ppm		2.0 ppm					500 ppm	
Ba		100 ppm		10ppm							5000 ppm	
Be		2.5 ppm		10ppm								2.5 ppm
Cd		2.5 ppm		10ppm		0.2 ppm					100 ppm	
Ca			2500 ppm		100ppm							
Co		25 ppm		10ppm								25 ppm
Cr		10 ppm		10ppm		0.5 ppm					500 ppm	
Cu		12.5 ppm		10ppm								12.5 ppm
Fe		50 ppm			100ppm							50 ppm
Hg							0.1 ppm	0.1 ppm	1.0 ppb	1.0 ppb		
K			2500 ppm		100ppm							
Mg			2500 ppm		100ppm							
Mn		25 ppm		10ppm								25 ppm
Na			2500 ppm		100ppm							
Ni		25 ppm		10ppm								25 ppm
Pb		25 ppm		10ppm		2.0 ppm					500 ppm	
Sb		25 ppm		10ppm		2.0 ppm						25 ppm
Se		100 ppm		10ppm		2.0 ppm					100 ppm	
Tl		100 ppm		10ppm		2.0 ppm						100 ppm
V		25 ppm		10ppm								25 ppm
Zn		25 ppm		10ppm								25 ppm
B		50 ppm		10ppm								50 ppm
Sr		50 ppm		10ppm								
Mo		50 ppm		10ppm								50 ppm
W		50 ppm		10ppm								
Sn		100 ppm		10ppm								100 ppm
Zr		50 ppm		10ppm								
Ti		50 ppm		10ppm								

STL North Canton
Revised 4/5/02
N:\Metals\Preplog.xls

DATE: 7.6.05

METALS PREPARATION REAGENTS/STANDARDS

Reagents and Standards listed on this form are used for the entire day's prep batches unless otherwise noted on the individual prep log.

REAGENT NAME	REAGENT NUMBER
1:1 HNO_3 (nitric acid)	5MR463
1:1 HCl (hydrochloric acid)	5MR 433
HNO_3 (nitric acid)	5MR 447
HCl (hydrochloric acid)	5MR439
$KMnO_4$ (potassium permanganate)	5MR 456
$K_2S_2O_8$ (potassium persulfate)	5MR 386
H_2O_2 (hydrogen peroxide)	5MR 440
H_2SO_4 (sulfuric acid)	5MR 310
HCl/HNO_3 (aqua regia)	5MR464

STANDARD NAME	STANDARD/LOT NUMBER
ICP-1	5F305
ICP-2A	5F307
RCRA	USE00639
non-RCRA	———
Ag	5F351
Hg	5G37Z
ICPMS-1	HPS 511921
ICPMS-2	———

Waters

Hg time in the water bath 9:00 am

Hg time out of the water bath 11:00am

Solids

Hg time in the water bath 11:35am

Hg time out of the water bath 12:05pm

Times listed are for the waters and solids for that day unless otherwise noted.

STL North Canton
Revision Date: 09/28/04
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GENERAL CHEMISTRY DATA

SEVERN TRENT STL

SAMPLE DATA

Matrix Environmental, Inc.

Client Sample ID: MW-301

General Chemistry

Lot-Sample #...: A5F300251-001 **Work Order #...:** HEN50 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**7.3**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**8.4**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182375**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-B

General Chemistry

Lot-Sample #...: A5F300251-002 **Work Order #...:** HEN59 **Matrix.....:** WG
Date Sampled...: 06/28/05 13:17 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**1.0**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182379
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**67.4**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182375**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-106

General Chemistry

Lot-Sample #...: A5F300251-003 **Work Order #...:** HEN6D **Matrix.....:** WG
Date Sampled...: 06/28/05 11:40 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**241**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182378**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**239**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182375**
		Dilution Factor: 5		MDL.....: 0.55		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-105

General Chemistry

Lot-Sample #...: A5F300251-004 **Work Order #...:** HEN6F **Matrix.....:** WG
Date Sampled...: 06/28/05 11:15 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**227**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182378**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.16**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**83.5**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182375**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-105 DUP

General Chemistry

Lot-Sample #...: A5F300251-005 **Work Order #...:** HEN6G **Matrix.....:** WG
Date Sampled...: 06/28/05 11:15 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368

Dilution Factor: 1 MDL.....: 0.0028

Matrix Environmental, Inc.

Client Sample ID: MW-G

General Chemistry

Lot-Sample #...: A5F300251-006 **Work Order #...:** HEN6P **Matrix.....:** WG
Date Sampled...: 06/28/05 14:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**3.4**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182379
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**68.9**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182375**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-101

General Chemistry

Lot-Sample #...: A5F300251-007 **Work Order #...:** HEN6W **Matrix.....:** WG
Date Sampled...: 06/28/05 17:40 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**401**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182378**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.050 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**145**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182375**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-A

General Chemistry

Lot-Sample #...: A5F300251-008 **Work Order #...:** HEN61 **Matrix.....:** WG
Date Sampled...: 06/28/05 08:25 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**90.6**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.33**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**104**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182375**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-112

General Chemistry

Lot-Sample #...: A5F300251-009 **Work Order #...:** HEN65 **Matrix.....:** WG
Date Sampled...: 06/29/05 15:45 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**247**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182378**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**192**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182375**
		Dilution Factor: 5		MDL.....: 0.55		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-110

General Chemistry

Lot-Sample #...: A5F300251-010 **Work Order #...:** HEN68 **Matrix.....:** WG
Date Sampled...: 06/29/05 13:15 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**196**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**55.4**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182375**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-109

General Chemistry

Lot-Sample #...: A5F300251-011 **Work Order #...:** HEN7D **Matrix.....:** WG
Date Sampled...: 06/29/05 14:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**178**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**148**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182381**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-108

General Chemistry

Lot-Sample #...: A5F300251-012 **Work Order #...:** HEN7F **Matrix.....:** WG
Date Sampled...: 06/29/05 21:50 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**46.9**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182379
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**79.1**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182381**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-103

General Chemistry

Lot-Sample #...: A5F300251-013 **Work Order #...:** HEN7H **Matrix.....:** WG
Date Sampled...: 06/29/05 23:20 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**196**	**5.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.060 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**108**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182381**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Matrix Environmental, Inc.

Client Sample ID: MW-104

General Chemistry

Lot-Sample #...: A5F300251-014 **Work Order #...:** HEN7K **Matrix.....:** WG
Date Sampled...: 06/29/05 12:17 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**293**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182378**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND G	0.50	mg/L	MCAWW 300.0A	07/01/05	5182380
		Dilution Factor: 5		MDL.....: 0.085		
Sulfate	**51.8**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182381**
		Dilution Factor: 1		MDL.....: 0.11		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

Matrix Environmental, Inc.

Client Sample ID: MW-402

General Chemistry

Lot-Sample #...: A5F300251-015 **Work Order #...:** HEN7M **Matrix.....:** WG
Date Sampled...: 06/29/05 17:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**452**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182378**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182379
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**287**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182381**
		Dilution Factor: 5		MDL.....: 0.55		

Matrix Environmental, Inc.

Client Sample ID: MW-401

General Chemistry

Lot-Sample #...: A5F300251-016 **Work Order #...:** HEN7P **Matrix.....:** WG
Date Sampled...: 06/29/05 18:22 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	**0.64**	**0.50**	**mg/L**	**SW846 9030B/9034**	**07/06/05**	**5187439**
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**112**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182378**
		Dilution Factor: 1		MDL.....: 0.20		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**3.5**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**20.9**	**1.0**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182381**
		Dilution Factor: 1		MDL.....: 0.11		

Matrix Environmental, Inc.

Client Sample ID: MW-102

General Chemistry

Lot-Sample #...: A5F300251-017 **Work Order #...:** HEPDT **Matrix.....:** WG
Date Sampled...: 06/28/05 18:30 **Date Received..:** 06/30/05

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1		MDL.....: 0.38		
Chloride	**707**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5182378**
		Dilution Factor: 5		MDL.....: 1.0		
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1		MDL.....: 0.0028		
Nitrate as N	**0.020 B**	**0.10**	**mg/L**	**MCAWW 300.0A**	**06/30/05**	**5182379**
		Dilution Factor: 1		MDL.....: 0.016		
Nitrite as N	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5186314
		Dilution Factor: 1		MDL.....: 0.017		
Sulfate	**274 J**	**5.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186316**
		Dilution Factor: 5		MDL.....: 0.55		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		Work Order #: HEW2F1AA		MB Lot-Sample #:	A5G060000-010	
	ND	0.50	mg/L	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1				
Acid-soluble sulfide		Work Order #: HE1H41AA		MB Lot-Sample #:	A5G060000-439	
	ND	0.50	mg/L	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1				
Chloride		Work Order #: HEV6T1AA		MB Lot-Sample #:	A5G010000-378	
	ND	1.0	mg/L	MCAWW 300.0A	06/30/05	5182378
		Dilution Factor: 1				
Cyanide, Total		Work Order #: HE7TX1AA		MB Lot-Sample #:	A5G080000-368	
	ND	0.010	mg/L	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1				
Nitrate as N		Work Order #: HEV7R1AA		MB Lot-Sample #:	A5G010000-379	
	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182379
		Dilution Factor: 1				
Nitrite as N		Work Order #: HEV7M1AA		MB Lot-Sample #:	A5G010000-380	
	ND	0.10	mg/L	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1				
Nitrite as N		Work Order #: HEXAH1AA		MB Lot-Sample #:	A5G050000-314	
	ND	0.10	mg/L	MCAWW 300.0A	07/01/05	5186314
		Dilution Factor: 1				
Sulfate		Work Order #: HEV8R1AA		MB Lot-Sample #:	A5G010000-375	
	ND	1.0	mg/L	MCAWW 300.0A	06/30/05	5182375
		Dilution Factor: 1				
Sulfate		Work Order #: HEWCX1AA		MB Lot-Sample #:	A5G010000-381	
	ND	1.0	mg/L	MCAWW 300.0A	06/30/05	5182381
		Dilution Factor: 1				
Sulfate		Work Order #: HEXCH1AA		MB Lot-Sample #:	A5G050000-316	
	0.18 B	**1.0**	**mg/L**	**MCAWW 300.0A**	**07/01/05**	**5186316**
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A5F300251 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#:HEW2F1AC-LCS/HEW2F1AD-LCSD LCS Lot-Sample#: A5G060000-010					
	108	(83 - 110)			SW846 9030B/9034	07/05/05	5187010
	107	(83 - 110)	1.2	(0-20)	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1					
Acid-soluble sulfide		WO#:HE1H41AC-LCS/HE1H41AD-LCSD LCS Lot-Sample#: A5G060000-439					
	91	(83 - 110)			SW846 9030B/9034	07/06/05	5187439
	92	(83 - 110)	1.2	(0-20)	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1					
Chloride		WO#:HEV6T1AC-LCS/HEV6T1AD-LCSD LCS Lot-Sample#: A5G010000-378					
	95	(90 - 110)			MCAWW 300.0A	06/30/05	5182378
	96	(90 - 110)	0.52	(0-20)	MCAWW 300.0A	06/30/05	5182378
		Dilution Factor: 1					
Nitrate as N		WO#:HEV7R1AC-LCS/HEV7R1AD-LCSD LCS Lot-Sample#: A5G010000-379					
	99	(90 - 110)			MCAWW 300.0A	06/30/05	5182379
	100	(90 - 110)	0.40	(0-20)	MCAWW 300.0A	06/30/05	5182379
		Dilution Factor: 1					
Nitrite as N		WO#:HEV7M1AC-LCS/HEV7M1AD-LCSD LCS Lot-Sample#: A5G010000-380					
	98	(90 - 110)			MCAWW 300.0A	06/30/05	5182380
	98	(90 - 110)	0.0	(0-20)	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1					
Nitrite as N		WO#:HEXAH1AC-LCS/HEXAH1AD-LCSD LCS Lot-Sample#: A5G050000-314					
	96	(90 - 110)			MCAWW 300.0A	07/01/05	5186314
	94	(90 - 110)	2.1	(0-20)	MCAWW 300.0A	07/01/05	5186314
		Dilution Factor: 1					
Sulfate		WO#:HEV8R1AC-LCS/HEV8R1AD-LCSD LCS Lot-Sample#: A5G010000-375					
	95	(90 - 110)			MCAWW 300.0A	06/30/05	5182375
	96	(90 - 110)	0.23	(0-20)	MCAWW 300.0A	06/30/05	5182375
		Dilution Factor: 1					
Sulfate		WO#:HEWCX1AC-LCS/HEWCX1AD-LCSD LCS Lot-Sample#: A5G010000-381					
	96	(90 - 110)			MCAWW 300.0A	06/30/05	5182381
	96	(90 - 110)	0.02	(0-20)	MCAWW 300.0A	06/30/05	5182381
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: A5F300251 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate	WO#:HEXCH1AC-LCS/HEXCH1AD-LCSD LCS Lot-Sample#: A5G050000-316						
	96	(90 - 110)			MCAWW 300.0A	07/01/05	5186316
	96	(90 - 110)	0.04	(0-20)	MCAWW 300.0A	07/01/05	5186316

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: A5F300251 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Acid-soluble sulfide		WO#:HEW2F1AC-LCS/HEW2F1AD-LCSD				LCS Lot-Sample#: A5G060000-010		
	12.8	13.9	mg/L	108		SW846 9030B/9034	07/05/05	5187010
	12.8	13.7	mg/L	107	1.2	SW846 9030B/9034	07/05/05	5187010
		Dilution Factor: 1						
Acid-soluble sulfide		WO#:HE1H41AC-LCS/HE1H41AD-LCSD				LCS Lot-Sample#: A5G060000-439		
	14.9	13.6	mg/L	91		SW846 9030B/9034	07/06/05	5187439
	14.9	13.8	mg/L	92	1.2	SW846 9030B/9034	07/06/05	5187439
		Dilution Factor: 1						
Chloride		WO#:HEV6T1AC-LCS/HEV6T1AD-LCSD				LCS Lot-Sample#: A5G010000-378		
	50.0	47.6	mg/L	95		MCAWW 300.0A	06/30/05	5182378
	50.0	47.9	mg/L	96	0.52	MCAWW 300.0A	06/30/05	5182378
		Dilution Factor: 1						
Nitrate as N		WO#:HEV7R1AC-LCS/HEV7R1AD-LCSD				LCS Lot-Sample#: A5G010000-379		
	2.5	2.5	mg/L	99		MCAWW 300.0A	06/30/05	5182379
	2.5	2.5	mg/L	100	0.40	MCAWW 300.0A	06/30/05	5182379
		Dilution Factor: 1						
Nitrite as N		WO#:HEV7M1AC-LCS/HEV7M1AD-LCSD				LCS Lot-Sample#: A5G010000-380		
	2.5	2.4	mg/L	98		MCAWW 300.0A	06/30/05	5182380
	2.5	2.4	mg/L	98	0.0	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1						
Nitrite as N		WO#:HEXAH1AC-LCS/HEXAH1AD-LCSD				LCS Lot-Sample#: A5G050000-314		
	2.5	2.4	mg/L	96		MCAWW 300.0A	07/01/05	5186314
	2.5	2.3	mg/L	94	2.1	MCAWW 300.0A	07/01/05	5186314
		Dilution Factor: 1						
Sulfate		WO#:HEV8R1AC-LCS/HEV8R1AD-LCSD				LCS Lot-Sample#: A5G010000-375		
	50.0	47.7	mg/L	95		MCAWW 300.0A	06/30/05	5182375
	50.0	47.8	mg/L	96	0.23	MCAWW 300.0A	06/30/05	5182375
		Dilution Factor: 1						
Sulfate		WO#:HEWCX1AC-LCS/HEWCX1AD-LCSD				LCS Lot-Sample#: A5G010000-381		
	50.0	48.1	mg/L	96		MCAWW 300.0A	06/30/05	5182381
	50.0	48.1	mg/L	96	0.02	MCAWW 300.0A	06/30/05	5182381
		Dilution Factor: 1						

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: A5F300251 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate	WO#:HEXCH1AC-LCS/HEXCH1AD-LCSD LCS Lot-Sample#: A5G050000-316							
	50.0	48.2	mg/L	96		MCAWW 300.0A	07/01/05	5186316
	50.0	48.2	mg/L	96	0.04	MCAWW 300.0A	07/01/05	5186316

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: HE7TX1AC	LCS Lot-Sample#: A5G080000-368		
	100	(69 - 118)	SW846 9012A	07/08/05	5189368
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	Work Order #: HE7TX1AC				LCS Lot-Sample#: A5G080000-368		
	0.45	0.45	mg/L	100	SW846 9012A	07/08/05	5189368
	Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/29/05 21:50 **Date Received..:** 06/30/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride		Work Order #...: HEN7F1A9		MS Lot-Sample #: A5F300251-012	
	99	(80 - 120)	MCAWW 300.0A	06/30/05	5182378
		Dilution Factor: 1			
Nitrate as N		Work Order #...: HEN7F1CC		MS Lot-Sample #: A5F300251-012	
	97	(80 - 120)	MCAWW 300.0A	06/30/05	5182379
		Dilution Factor: 1			
Nitrite as N		Work Order #...: HEN7F1CA		MS Lot-Sample #: A5F300251-012	
	88	(80 - 120)	MCAWW 300.0A	06/30/05	5182380
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/29/05 21:50 **Date Received..:** 06/30/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	PREPARATION-METHOD	ANALYSIS DATE	PREP BATCH #
Chloride			Work Order #...: HEN7F1A9			MS Lot-Sample #: A5F300251-012		
	46.9	50.0	96.2	mg/L	99	MCAWW 300.0A	06/30/05	5182378
			Dilution Factor: 1					
Nitrate as N			Work Order #...: HEN7F1CC			MS Lot-Sample #: A5F300251-012		
	ND	2.5	2.4	mg/L	97	MCAWW 300.0A	06/30/05	5182379
			Dilution Factor: 1					
Nitrite as N			Work Order #...: HEN7F1CA			MS Lot-Sample #: A5F300251-012		
	ND	2.5	2.2	mg/L	88	MCAWW 300.0A	06/30/05	5182380
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WATER
Date Sampled...: 06/29/05 15:20 **Date Received..:** 06/30/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrite as N		Work Order #...: HEPVN1A7		MS Lot-Sample #: A5F300334-010	
	92	(80 - 120)	MCAWW 300.0A	07/01/05	5186314
		Dilution Factor: 1			
Sulfate		Work Order #...: HEPVN1A9		MS Lot-Sample #: A5F300334-010	
	97	(80 - 120)	MCAWW 300.0A	07/01/05	5186316
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WATER
Date Sampled...: 06/29/05 15:20 **Date Received..:** 06/30/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	PREPARATION-METHOD	ANALYSIS DATE	PREP BATCH #
Nitrite as N			Work Order #...: HEPVN1A7			MS Lot-Sample #: A5F300334-010		
	ND	2.5	2.3	mg/L	92	MCAWW 300.0A	07/01/05	5186314
			Dilution Factor: 1					
Sulfate			Work Order #...: HEPVN1A9			MS Lot-Sample #: A5F300334-010		
	19.8	50.0	68.2	mg/L	97	MCAWW 300.0A	07/01/05	5186316
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/29/05 21:50 **Date Received..:** 06/30/05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: HEN501EU-MS/HEN501EV-MSD				MS Lot-Sample #: A5F300251-001	
	82	(42 - 140)			SW846 9012A	07/08/05	5189368
	91	(42 - 140)	9.8	(0-20)	SW846 9012A	07/08/05	5189368

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A5F300251 **Matrix.....:** WG
Date Sampled...: 06/29/05 21:50 **Date Received..:** 06/30/05

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			WO#: HEN501EU-MS/HEN501EV-MSD				MS Lot-Sample #: A5F300251-001		
	ND	0.040	0.033	mg/L	82		SW846 9012A	07/08/05	5189368
	ND	0.040	0.036	mg/L	91	9.8	SW846 9012A	07/08/05	5189368

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SUPPORTIVE RAW DATA

STL North Canton General Chemistry Data Review Checklist

Parameter(s): IC

Batch(es): 5182375/6/7/8/9/80/81 5184311/2/3/4/5/6/7

Method #/SOP#: 300.0

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
Initial Calibration						
1. Initial calibration correlation coefficient > 0.995?	✓			✓		
2. Calibration curve consist of the minimum number of calibration standards?				✓		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)				✓		
4. ICB analyzed immediately after ICV and within criteria (± RL)?				✓		
Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			✓		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			✓		
Sample Result						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?	✓			✓		
2. All reported results bracketed by in control QC ?	✓			✓	C	
3. Sample analyses done within holding time ?	✓			✓		
QC Samples						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			✓		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
Titrant						
1. Titrant standardized?			✓			✓
2. If no, standardization expires						
Other						
1. Are all non-conformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?			✓			✓
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?				✓		
5. Date/time of preparation and analysis verified as correct ?				✓		
6. Units verified as correct?				✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?				✓		
8. SOP followed?				✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓	✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s):

Level I reviewer: [signature] Date: 7/6/05

Level II Reviewer: Angela Dena Date: 7/13/05

Level I review:

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX120 062105.met

Instrument : DIONEX DX-120

Date Analyzed 6/30/05

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
		RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	21-Jun-05	Highest Cal Std conc & area			10	1216750.4	200	23591497	10	1545813.6	40	1467852.8	10	2086177	10	811138	200	15631712
2	6/30/05 13:17	ICV	L	1	P 103%	2.58	P 101%	50.39	P 102%	2.55	P 104%	10.36	P 104%	2.59	P 95%	2.37	P 101%	50.37
3	6/30/05 13:34	ICB	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.14 B	P< 1	ND
4	6/30/05 13:51	LCS	L	1	P 94%	2.34	P 95%	47.65	P 98%	2.45	P 99%	9.85	P 99%	2.48	P 93%	2.33	P 95%	47.67
5	6/30/05 14:08	LCS DUP	L	1	P 94%	2.34	P 96%	47.90	P 98%	2.45	P 99%	9.89	P 100%	2.49	P 94%	2.36	P 96%	47.78
6	6/30/05 14:44	HEL4R	L	1	1	0.94 B	1	12.13	0.5	ND	0.5	0.04 B	0.1	8.98	0.5	0.29 B	1	119.63
7	6/30/05 15:01	HEL5W	L	1	1	0.02 B	1	23.57	0.5	ND	0.5	ND	0.1	6.78	0.5	0.29 B	1	21.19
8	6/30/05 15:18	HEL50	L	1	1	0.02 B	1	32.18	0.5	ND	0.5	0.04 B	0.1	9.25	0.5	0.18 B	1	31.79
9	6/30/05 15:35	HEL52	L	1	1	Dil 2X	1	4.52	0.5	ND	0.5	ND	0.1	7.37	0.5	0.27 B	1	112.02
10	6/30/05 15:52	HEL52	L	5	5	10.61	5 G	3.86 B	2.5 G	ND	2.5 G	ND	0.5	7.45	2.5 G	0.27 B	5	100.69
11	6/30/05 16:08	HEL55	L	5	5 G	0.59 B	5	79.96	2.5 G	ND	2.5 G	ND	0.5 G	0.04 B	2.5 G	0.3 B	5	408.01
12	6/30/05 16:25	HEL57	L	2	2 G	0.13 B	2	17.37	1 G	ND	1 G	ND	0.2	1.57	1 G	0.07 B	2	273.23
13	6/30/05 16:42	HEL6A	L	1	1	Dil 5X	1	4.94	0.5	ND	0.5	ND	0.1	2.40	0.5	0.13 B	1	30.43
14	6/30/05 16:59	HEL6A	L	5	5	17.70	5 G	4.36 B	2.5 G	ND	2.5 G	ND	0.5	2.36	2.5 G	ND	5	28.04
15	6/30/05 17:16	HEL6H	L	1	1	0.34 B	1	39.68	0.5	ND	0.5	ND	0.1	3.21	0.5	0.05 B	1	35.91
16	6/30/05 17:33	CCV #1	L	1	P 101%	2.52	P 100%	50.25	P 100%	2.51	P 103%	10.31	P 103%	2.58	P 92%	2.30	P 100%	50.23
17	6/30/05 17:50	CCB #1	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.05 B	P< 1	ND
18	6/30/05 18:07	HEN61	L	1	1	0.51 B	1	90.60	0.5	ND	0.5	0.05 B	0.1	0.33	0.5	0.05 B	1	103.96
19	6/30/05 18:24	HEN6F	L	1	1	0.43 B	1	Dil 2X	0.5	ND	0.5	0.45 B	0.1	0.16	0.5	0.06 B	1	83.47
20	6/30/05 18:41	HEN6D	L	1	1	0.33 B	1	Dil 2X	0.5	ND	0.5	0.47 B	0.1	0.02 B	0.5	0.05 B	1	Dil 2X
21	6/30/05 18:58	HEN59	L	1	1	0.78 B	1	1.02	0.5	ND	0.5	ND	0.1	ND	0.5	0.06 B	1	67.44
22	6/30/05 19:15	HEN50	L	1	1	0.74 B	1	7.31	0.5	ND	0.5	ND	0.1	0.02 B	0.5	0.11 B	1	8.41
23	6/30/05 19:32	HEN6P	L	1	1	0.2 B	1	3.44	0.5	ND	0.5	ND	0.1	ND	0.5	0.02 B	1	68.90
24	6/30/05 19:49	HEN6W	L	1	1	0.38 B	1	Dil 5X	0.5	ND	0.5	0.14 B	0.1	0.05 B	0.5	ND	1	144.51
25	6/30/05 20:06	HEN65	L	1	1	0.36 B	1	Dil 2X	0.5	ND	0.5	0.09 B	0.1	0.02 B	0.5	ND	1	Dil 2X
26	6/30/05 20:23	HEN68	L	1	1	0.43 B	1	196.09	0.5	ND	0.5	1.62	0.1	0.02 B	0.5	ND	1	55.42

G - diluted for another analyte or matrix
B - estimated result, < RL

WR50597
IC5114
25113

IC PeakNet 5'1 Data Summary 2000.xls
VER . 2000 09 05

STL North Canton

980

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX120 062105.met Instrument : DIONEX DX-120 Date Analyzed 6/30/05

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
		RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	21-Jun-05	Highest Cal Std conc & area			10	1216750.4	200	23591497	10	1545813.6	40	1467852.8	10	2086177	10	811138	200	15631712
27	6/30/05 20:40	HEN7D	L	1	1	0.62 B	1	178.24	0.5	ND	0.5	0.61	0.1	0.02 B	0.5	ND	1	148.26
28	6/30/05 20:57	CCV #2	L	1	P 100%	2.51	P 101%	50.36	P 98%	2.45	P 103%	10.30	P 103%	2.58	P 96%	2.39	P 100%	50.20
29	6/30/05 21:14	CCB #2	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.13 B	P< 1	ND
30	6/30/05 21:31	HEPDT * re-run @ dil	L	1	1	0.47 B	1	ND	0.5	Dil 100X	0.5	0.16 B	0.1	0.02 B	0.5	0.07 B	1	Dil 2X
31	6/30/05 21:48	HDN7F ORG IAL IAN IAP	L	1	1	0.37 B	1	46.89	0.5	ND	0.5	ND	0.1	ND	0.5	0.06 B	1	79.13
32	6/30/05 22:05	HEN7F MS	L	1	P 90%	2.63	P 99%	96.18	P 88%	2.19	P 97%	9.66	P 97%	2.42	P 154%	3.92	P 95%	126.47
33	6/30/05 22:21	HEN7M	L	1	1	0.28 B	1	Dil 5X	0.5	ND	0.5	0.25 B	0.1	ND	0.5	0.62	1	Dil 2X
34	6/30/05 22:38	HEN7K	L	1	1	0.4 B	1	ND	0.5	Dil 50X	0.5	2.64	0.1	0.02 B	0.5	0.29 B	1	51.81
35	6/30/05 22:55	HEN7H	L	1	1	0.42 B	1	Dil 2X	0.5	ND	0.5	0.57	0.1	0.06 B	0.5	0.16 B	1	107.77
36	6/30/05 23:12	HEN7P	L	1	1	0.12 B	1	112.12	0.5	ND	0.5	0.60	0.1	3.47	0.5	0.11 B	1	20.90
37	6/30/05 23:29	LCS	L	1	P 90%	2.26	P 96%	48.12	P 94%	2.36	P 99%	9.90	P 100%	2.50	P 95%	2.38	P 96%	48.06
38	6/30/05 23:46	LCS DUP	L	1	P 91%	2.28	P 96%	48.04	P 96%	2.39	P 99%	9.87	P 100%	2.49	P 96%	2.39	P 96%	48.07
39	7/1/05 0:03	MW-26 ORG HEPVN IAH	L	1	1	0.17 B	1	11.09	0.5	ND	0.5	0.15 B	0.1	0.08 B	0.5	0.29 B	1	19.82
40	7/1/05 0:20	CCV #3	L	1	P 100%	2.49	P 101%	50.26	P 98%	2.44	P 103%	10.26	P 104%	2.59	P 98%	2.46	P 100%	50.14
41	7/1/05 0:37	CCB #3	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.21 B	P< 1	ND
42	7/1/05 0:54	MW-26 MS	L	1	Orig??	2.35	Orig??	50.66	Orig??	2.31	Orig??	9.61	Orig??	2.47	Orig??	3.46	Orig??	68.22
43	7/1/05 1:11	SW-MN HEPVT	L	1	1	0.44 B	1	Dil 2X	0.5	ND	0.5	0.07 B	0.1	0.85	0.5	0.43 B	1	136.08
44	7/1/05 1:28	MW-28 HEPVQ	L	1	1	0.14 B	1	40.51	0.5	ND	0.5	0.08 B	0.1	0.09 B	0.5	0.08 B	1	ND
45	7/1/05 1:45	SW-E HEPVV	L	1	1	0.4 B	1	Dil 2X	0.5	ND	0.5	0.07 B	0.1	1.21	0.5	0.19 B	1	74.03
46	7/1/05 2:02	MW-25 HEPVM	L	1	1	0.43 B	1	Dil 2X	0.5	ND	0.5	2.21	0.1	0.03 B	0.5	0.14 B	1	3.84
47	7/1/05 2:19	MW-19 HEPVH	L	1	1	0.32 B	1	108.27	0.5	ND	0.5	0.62	0.1	0.14	0.5	0.07 B	1	Dil 5X
48	7/1/05 2:36	MW-7 ORG HEPVE IAH	L	1	1	0.18 B	1	39.01	0.5	ND	0.5	0.24 B	0.1	0.02 B	0.5	0.04 B	1	4.85
49	7/1/05 2:53	MW-7 MS	L	1	P 86%	2.34	P 97%	87.30	P 86%	2.15	P 93%	9.54	P 93%	2.35	P 112%	2.85	P 91%	50.51
50	7/1/05 3:10	MW-24 HEPVL	L	1	1	0.17 B	1	195.47	0.5	ND	0.5	1.07	0.1	0.08 B	0.5	0.28 B	1	Dil 2X
51	7/1/05 3:27	MW-20 HEPVJ	L	1	1	0.18 B	1	22.31	0.5	ND	0.5	0.07 B	0.1	0.05 B	0.5	0.05 B	1	ND

G - diluted for another analyte or matrix
B - estimated result, < RL

IC PeakNet 5'1 Data Summary 2000.xls
VER . 2000 09 05

STL North Canton

9981

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX120 062105.met Instrument : DIONEX DX-120 Date Analyzed 6/30/05

Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
		RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	21-Jun-05	Highest Cal Std conc & area			10	1216750.4	200	23591497	10	1545813.6	40	1467852.8	10	2086177	10	811138	200	15631712
52	7/1/05 3:44	CCV #4	L	1	P 99%	2.47	P 100%	50.18	P 98%	2.44	P 102%	10.25	P 103%	2.58	P 98%	2.45	P 102%	50.78
53	7/1/05 4:01	CCB #4	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.24 B	P< 1	0.18 B
54	7/1/05 4:18	MW-6 HEPTW	L	1	1	0.51 B	1	Dil 2X	0.5	ND	0.5	1.93	0.1	0.08 B	0.5	0.1 B	1	191.19
55	7/1/05 4:35	LCS	L	1	P 90%	2.25	P 96%	47.94	P 96%	2.39	P 99%	9.86	P 99%	2.48	P 94%	2.34	P 96%	48.18
56	7/1/05 4:52	LCS-X	L	1	P 91%	2.27	P 96%	47.89	P 94%	2.34	P 99%	9.88	P 100%	2.49	P 95%	2.38	P 96%	48.16
D 57	7/1/05 5:09	DUP HEPVR	L	20	20 G	ND	20	84.13	10 G	ND G	10 G	ND	2 G	ND G	10 G	2.46 B G	20	Dil 50X
D 58	7/1/05 5:26	MW-21 HEPVR	L	20	20 G	ND	20	259.10	10 G	ND G	10 G	ND	2 G	ND G	10 G	1.17 B G	20	Dil 50X
D 59	7/1/05 5:43	MW-12 HEPVG	L	20	20 G	ND	20	85.57	10 G	ND G	10 G	ND	2 G	ND G	10 G	0.86 B G	20	Dil 50X
D 60	7/1/05 6:00	MW-9 HEPVF	L	50	50 G	ND	50	59.06	25 G	ND G	25 G	ND	5 G	ND G	25 G	ND G	50	Dil 100X
61	7/1/05 6:17	HEN6F	L	5	5 G	0.35 B	5	227.48	2.5 G	ND	2.5 G	0.41 B	0.5 G	0.13 B	2.5 G	0.28 B	5	74.26
62	7/1/05 6:33	HEN6D	L	5	5 G	0.28 B	5	240.58	2.5 G	ND	2.5 G	0.48 B	0.5 G	ND	2.5 G	0.12 B	5	238.91
63	7/1/05 6:50	HEN6W	L	5	5 G	0.3 B	5	401.34	2.5 G	ND	2.5 G	ND	0.5 G	0.04 B	2.5 G	ND	5	132.31
64	7/1/05 7:07	CCV #5	L	1	P 99%	2.47	P 101%	50.55	P 99%	2.47	P 103%	10.30	P 104%	2.60	P 94%	2.36	P 101%	50.47
65	7/1/05 7:24	CCB #5	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.17 B	P< 1	0.11 B
66	7/1/05 7:41	HEN65	L	5	5 G	0.26 B	5	246.62	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.41 B	5	192.37
67	7/1/05 7:58	HEN68	L	5	5 G	0.39 B	5	177.65	2.5 G	ND	2.5 G	1.68 B	0.5 G	0.09 B	2.5 G	0.39 B	5	50.68
68	7/1/05 8:15	HEN7D	L	5	5 G	0.58 B	5	157.97	2.5 G	ND	2.5 G	0.63 B	0.5 G	ND	2.5 G	0.1 B	5	136.55
69	7/1/05 8:32	HEPDT ND→ND2	L	5	5 G	0.32 B	5	707.00	2.5 G	ND G	2.5 G	ND	0.5 G	ND	2.5 G	ND	5	274.50
70	7/1/05 8:49	HEN7H	L	5	5 G	0.34 B	5	195.93	2.5 G	ND	2.5 G	0.54 B	0.5 G	0.04 B	2.5 G	0.15 B	5	98.21
71	7/1/05 9:06	HEN7K	L	5	5 G	0.36 B	5	293.19	2.5 G	ND G	2.5 G	2.70	0.5 G	ND	2.5 G	ND	5	47.40
72	7/1/05 9:23	HEN7M	L	5	5 G	0.28 B	5	451.80	2.5 G	ND	2.5 G	ND	0.5 G	ND	2.5 G	0.14 B	5	286.75
73	7/1/05 9:40	HEN7P	L	5	5 G	0.17 B	5	96.68	2.5 G	ND	2.5 G	0.67 B	0.5	3.44	2.5 G	ND	5	20.15
74	7/1/05 9:57	HEL6N	L	1	1	0.38 B	1	39.37	0.5	ND	0.5	ND	0.1	6.16	0.5	0.01 B	1	92.40
75	7/1/05 10:14	HEL6Q	L	1	1	0.05 B	1	26.15	0.5	ND	0.5	ND	0.1	2.04	0.5	0.48 B	1	64.55
76	7/1/05 10:31	CCV #6	L	1	P 97%	2.42	P 101%	50.36	P 98%	2.46	P 103%	10.27	P 104%	2.59	P 92%	2.30	P 101%	50.53

G - diluted for another analyte or matrix
B - estimated result, < RL

Method: 300

STL North Canton
Ion Chromatography

DX Method: C:\PEAKNET\METHOD\DX120 062105.met Instrument : DIONEX DX-120 Date Analyzed 6/30/05

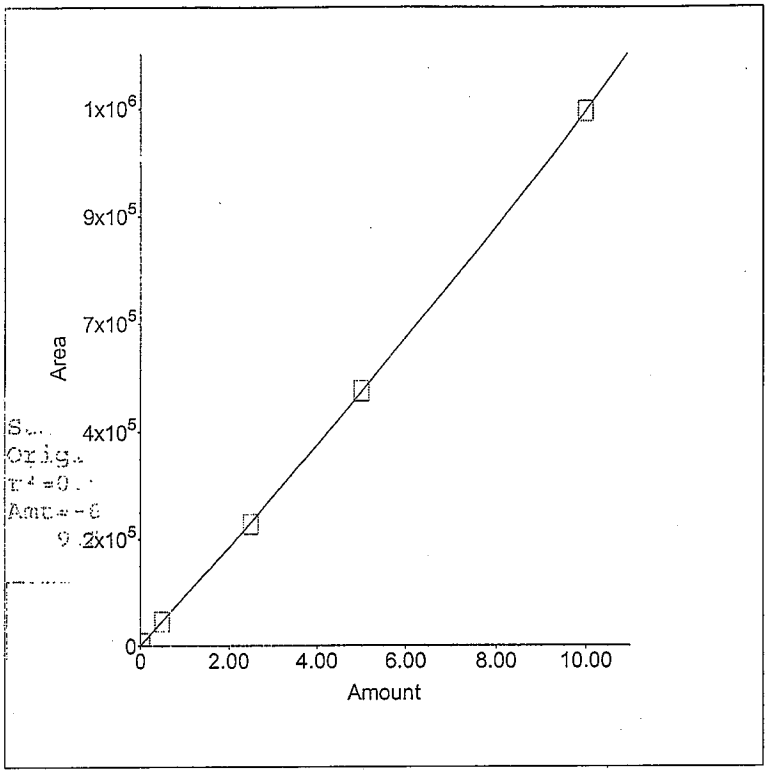
Units: mg/L or mg/Kg

Inj #	Inj. Date	Sample ID	Matrix	Dil	FLUORIDE		CHLORIDE		NITRITE		BROMIDE		NITRATE-N		O-PHOS-P		SULFATE	
					RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
		RLs:>>			1		1		0.5		0.5		0.5		0.5		1	
	21-Jun-05	Highest Cal Std conc & area			10	1216750.4	200	23591497	10	1545813.6	40	1467852.8	10	2086177	10	811138	200	15631712
77	7/1/05 10:48	CCB #6	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.12 B	P< 1	ND
78	7/1/05 11:05	HEL63	L	1	1	0.05 B	1	25.82	0.5	ND	0.5	ND	0.1	1.96	0.5	0.50	1	65.14
79	7/1/05 11:22	HENWK	L	1	1	0.05 B	1	20.01	0.5	ND	0.5	0.1 B	0.1	0.61	0.5	0.11 B	1	48.84
80	7/1/05 11:39	HENWK	L	2	2 G	0.11 B	2	15.31	1 G	ND	1 G	0.11 B	0.2	0.66	1 G	0.08 B	2	47.25
81	7/1/05 11:56	LCS	L	1	P 90%	2.25	P 96%	48.23	P 95%	2.37	P 99%	9.92	P 100%	2.50	P 90%	2.26	P 97%	48.32
82	7/1/05 12:13	LCS DUP	L	1	P 90%	2.26	P 96%	48.09	P 95%	2.38	P 99%	9.91	P 100%	2.49	P 92%	2.30	P 97%	48.27
83	7/1/05 12:30	CCV #7	L	1	P 98%	2.45	P 101%	50.46	P 98%	2.45	P 103%	10.33	P 103%	2.58	P 93%	2.33	P 101%	50.45
84	7/1/05 12:47	CCB #7	L	1	P< 1	ND	P< 1	ND	P< 0.5	ND	P< 0.5	ND	P< 0.1	ND	P< 0.5	0.17 B	P< 1	ND
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!
0	1/0/00 0:00	0		0	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!	Unknown Matrix	#VALUE!

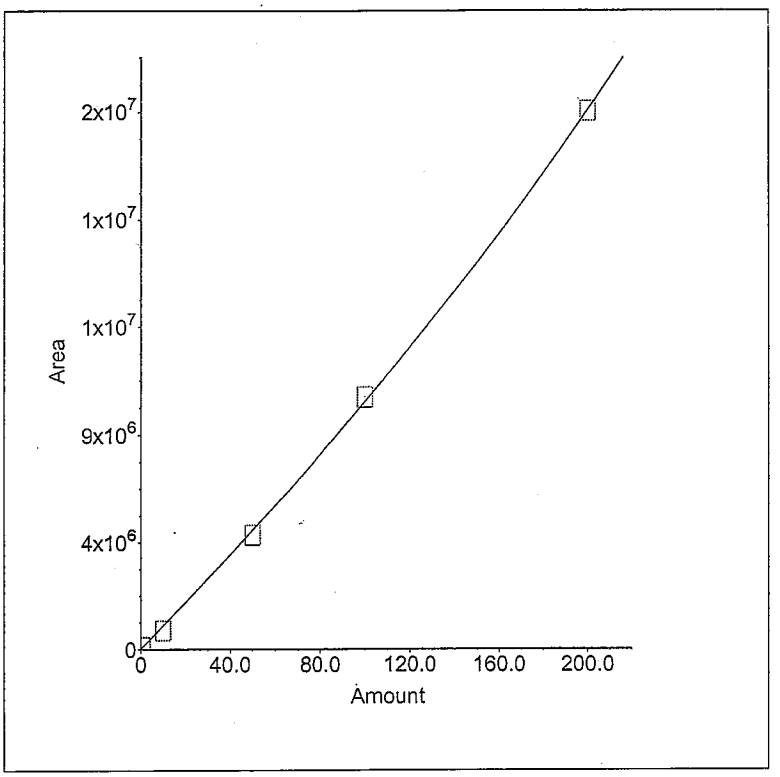
G - diluted for another analyte or matrix
B - estimated result, < RL

Line	Sample	Sample Type	Level	Method	Data File	Dilution	Weight
1	Rinse	Sample		dx120 062105.met	dx-120 data\063005\rinse_001.dxd	1	1
2	ICV	Sample		dx120 062105.met	dx-120 data\063005\icv_002.dxd	1	1
3	ICB	Sample		dx120 062105.met	dx-120 data\063005\icb_003.dxd	1	1
4	LCS	Sample		dx120 062105.met	dx-120 data\063005\lcs_004.dxd	1	1
5	LCS DUP	Sample		dx120 062105.met	dx-120 data\063005\lcs dup_005.dxd	1	1
6	HEL4R	Sample		dx120 062105.met	dx-120 data\063005\hel4r_006.dxd	1	1
7	HEL5W	Sample		dx120 062105.met	dx-120 data\063005\hel5w_007.dxd	1	1
8	HEL50	Sample		dx120 062105.met	dx-120 data\063005\hel50_008.dxd	1	1
9	HEL52	Sample		dx120 062105.met	dx-120 data\063005\hel52_009.dxd	1	1
10	HEL52	Sample		dx120 062105.met	dx-120 data\063005\hel52_010.dxd	5	1
11	HEL55	Sample		dx120 062105.met	dx-120 data\063005\hel55_011.dxd	5	1
12	HEL57	Sample		dx120 062105.met	dx-120 data\063005\hel57_012.dxd	2	1
13	HEL6A	Sample		dx120 062105.met	dx-120 data\063005\hel6a_013.dxd	1	1
14	HEL6A	Sample		dx120 062105.met	dx-120 data\063005\hel6a_014.dxd	5	1
15	HEL6H	Sample		dx120 062105.met	dx-120 data\063005\hel6h_015.dxd	1	1
16	CCV #1	Sample		dx120 062105.met	dx-120 data\063005\ccv #1_016.dxd	1	1
17	CCB #1	Sample		dx120 062105.met	dx-120 data\063005\ccb #1_017.dxd	1	1
18	HEN61	Sample		dx120 062105.met	dx-120 data\063005\hen61_018.dxd	1	1
19	HEN6F	Sample		dx120 062105.met	dx-120 data\063005\hen6f_019.dxd	1	1
20	HEN6D	Sample		dx120 062105.met	dx-120 data\063005\hen6d_020.dxd	1	1
21	HEN59	Sample		dx120 062105.met	dx-120 data\063005\hen59_021.dxd	1	1
22	HEN50	Sample		dx120 062105.met	dx-120 data\063005\hen50_022.dxd	2	1
23	HEN6P	Sample		dx120 062105.met	dx-120 data\063005\hen6p_023.dxd	1	1
24	HEN6W	Sample		dx120 062105.met	dx-120 data\063005\hen6w_024.dxd	1	1
25	HEN65	Sample		dx120 062105.met	dx-120 data\063005\hen65_025.dxd	1	1
26	HEN68	Sample		dx120 062105.met	dx-120 data\063005\hen68_026.dxd	1	1
27	HEN7D	Sample		dx120 062105.met	dx-120 data\063005\hen7d_027.dxd	1	1
28	CCV #2	Sample		dx120 062105.met	dx-120 data\063005\ccv #2_028.dxd	1	1
29	CCB #2	Sample		dx120 062105.met	dx-120 data\063005\ccb #2_029.dxd	1	1
30	HEPDT	Sample		dx120 062105.met	dx-120 data\063005\hepdt_030.dxd	1	1
31	HDN7F ORG	Sample		dx120 062105.met	dx-120 data\063005\hdn7f org_031.dxd	1	1
32	HEN7F MS	Sample		dx120 062105.met	dx-120 data\063005\hen7f ms_032.dxd	1	1
33	HEN7M	Sample		dx120 062105.met	dx-120 data\063005\hen7m_033.dxd	1	1
34	HEN7K	Sample		dx120 062105.met	dx-120 data\063005\hen7k_034.dxd	1	1
35	HEN7H	Sample		dx120 062105.met	dx-120 data\063005\hen7h_035.dxd	1	1
36	HEN7P	Sample		dx120 062105.met	dx-120 data\063005\hen7p_036.dxd	1	1
37	LCS	Sample		dx120 062105.met	dx-120 data\063005\lcs_037.dxd	1	1
38	LCS DUP	Sample		dx120 062105.met	dx-120 data\063005\lcs dup_038.dxd	1	1
39	MW-76 ORG	Sample		dx120 062105.met	dx-120 data\063005\mw-76 org_039.dxd	1	1
40	CCV #3	Sample		dx120 062105.met	dx-120 data\063005\ccv #3_040.dxd	1	1
41	CCB #3	Sample		dx120 062105.met	dx-120 data\063005\ccb #3_041.dxd	1	1
42	MW-76 MS	Sample		dx120 062105.met	dx-120 data\063005\mw-76 ms_042.dxd	1	1
43	SW-M	Sample		dx120 062105.met	dx-120 data\063005\sw-m_043.dxd	1	1
44	MW-28	Sample		dx120 062105.met	dx-120 data\063005\mw-28_044.dxd	1	1
45	SW-E	Sample		dx120 062105.met	dx-120 data\063005\sw-e_045.dxd	1	1
46	MW-25	Sample		dx120 062105.met	dx-120 data\063005\mw-25_046.dxd	1	1
47	MW-19	Sample		dx120 062105.met	dx-120 data\063005\mw-19_047.dxd	1	1
48	MW-7 ORG	Sample		dx120 062105.met	dx-120 data\063005\mw-7 org_048.dxd	1	1
49	MW-7 MS	Sample		dx120 062105.met	dx-120 data\063005\mw-7 ms_049.dxd	1	1
50	MW-24	Sample		dx120 062105.met	dx-120 data\063005\mw-24_050.dxd	1	1
51	MW-20	Sample		dx120 062105.met	dx-120 data\063005\mw-20_051.dxd	1	1
52	CCV #4	Sample		dx120 062105.met	dx-120 data\063005\ccv #4_052.dxd	1	1
53	CCB #4	Sample		dx120 062105.met	dx-120 data\063005\ccb #4_053.dxd	1	1
54	MW-6	Sample		dx120 062105.met	dx-120 data\063005\mw-6_054.dxd	1	1
55	LCS	Sample		dx120 062105.met	dx-120 data\063005\lcs _055.dxd	1	1
56	LCS-X	Sample		dx120 062105.met	dx-120 data\063005\lcs-x_056.dxd	1	1
57	DUP	Sample		dx120 062105.met	dx-120 data\063005\dup_057.dxd	20	1
58	MW-21	Sample		dx120 062105.met	dx-120 data\063005\mw-21_058.dxd	20	1
59	MW-12	Sample		dx120 062105.met	dx-120 data\063005\mw-12_059.dxd	20	1
60	MW-9	Sample		dx120 062105.met	dx-120 data\063005\mw-9_060.dxd	50	1
61	HEN6F	Sample		dx120 062105.met	dx-120 data\063005\hen6f_061.dxd	5	1
62	HEN6D	Sample		dx120 062105.met	dx-120 data\063005\hen6d_062.dxd	5	1
63	HEN6W	Sample		dx120 062105.met	dx-120 data\063005\hen6w_063.dxd	5	1
64	CCV #5	Sample		dx120 062105.met	dx-120 data\063005\ccv #5_064.dxd	1	1
65	CCB #5	Sample		dx120 062105.met	dx-120 data\063005\ccb #5_065.dxd	1	1
66	HEN65	Sample		dx120 062105.met	dx-120 data\063005\hen65_066.dxd	5	1
67	HEN68	Sample		dx120 062105.met	dx-120 data\063005\hen68_067.dxd	5	1
68	HEN7D	Sample		dx120 062105.met	dx-120 data\063005\hen7d_068.dxd	5	1
69	HEPDT	Sample		dx120 062105.met	dx-120 data\063005\hepdt_069.dxd	5	1
70	HEN7H	Sample		dx120 062105.met	dx-120 data\063005\hen7h_070.dxd	5	1
71	HEN7K	Sample		dx120 062105.met	dx-120 data\063005\hen7k_071.dxd	5	1
72	HEN7M	Sample		dx120 062105.met	dx-120 data\063005\hen7m_072.dxd	5	1
73	HEN7P	Sample		dx120 062105.met	dx-120 data\063005\hen7p_073.dxd	5	1
74	HEL6N	Sample		dx120 062105.met	dx-120 data\063005\hel6n_074.dxd	1	1
75	HEL6Q	Sample		dx120 062105.met	dx-120 data\063005\hel6q_075.dxd	1	1
76	CCV #6	Sample		dx120 062105.met	dx-120 data\063005\ccv #6_076.dxd	1	1
77	CCB #6	Sample		dx120 062105.met	dx-120 data\063005\ccb #6_077.dxd	1	1
78	HEL63	Sample		dx120 062105.met	dx-120 data\063005\hel63_078.dxd	1	1
79	HENWK	Sample		dx120 062105.met	dx-120 data\063005\henwk_079.dxd	1	1
80	HENWK	Sample		dx120 062105.met	dx-120 data\063005\henwk_080.dxd	2	1
81	LCS	Sample		dx120 062105.met	dx-120 data\063005\lcs_081.dxd	1	1
82	LCS DUP	Sample		dx120 062105.met	dx-120 data\063005\lcs dup_082.dxd	1	1
83	CCV #7	Sample		dx120 062105.met	dx-120 data\063005\ccv #7_083.dxd	1	1
84	CCB #7	Sample		dx120 062105.met	dx-120 data\063005\ccb #7_084.dxd	1	1
85	CE1	Sample		dx120 062105.met	dx-120 data\063005\ce1_085.dxd	1	1
86	CE2	Sample		dx120 062105.met	dx-120 data\063005\ce2_086.dxd	1	1
87	CCB #7	Sample		halt.met	ccb #7	1	1
88		Sample		generic.met	70	1	1

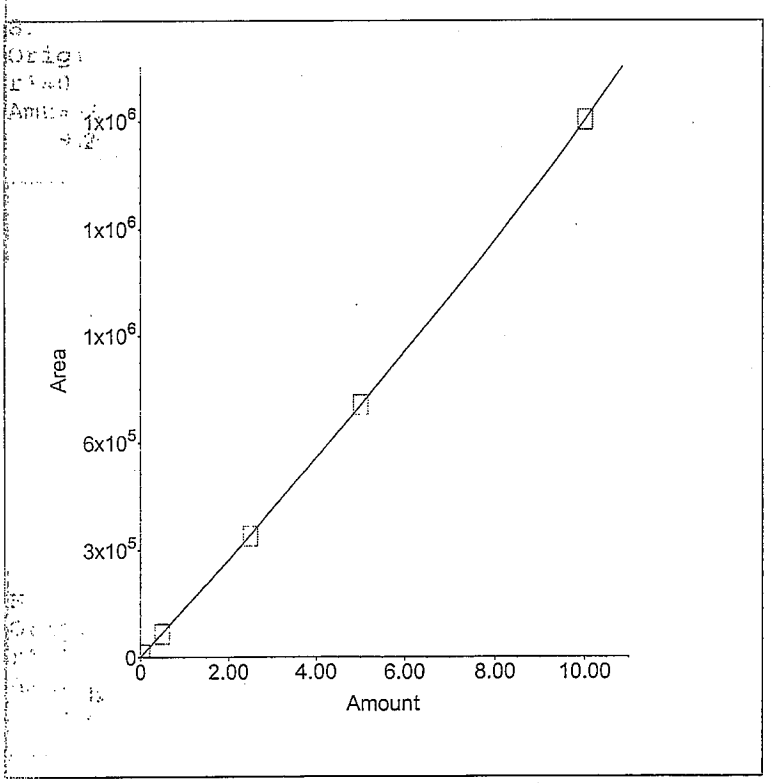
1. Component:F
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999979
Amt=-6.802238e-013*Resp^2+
9.069623e-006*Resp+0



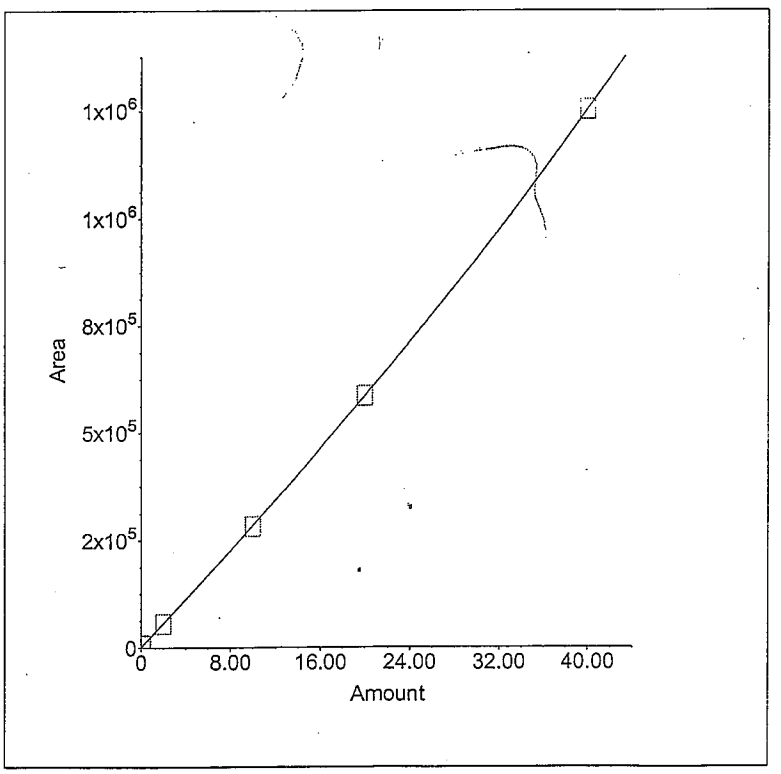
2. Component:Cl
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999608
Amt=-5.982635e-014*Resp^2+
1.002084e-005*Resp+0



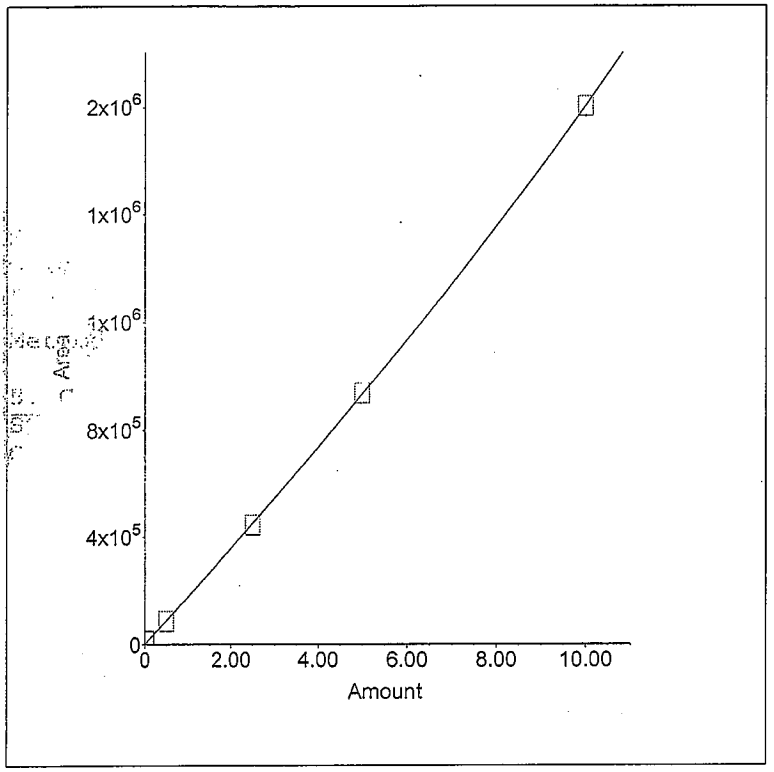
3. Component:NO2
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999988
Amt=-4.477992e-013*Resp^2+
6.693989e-006*Resp+0



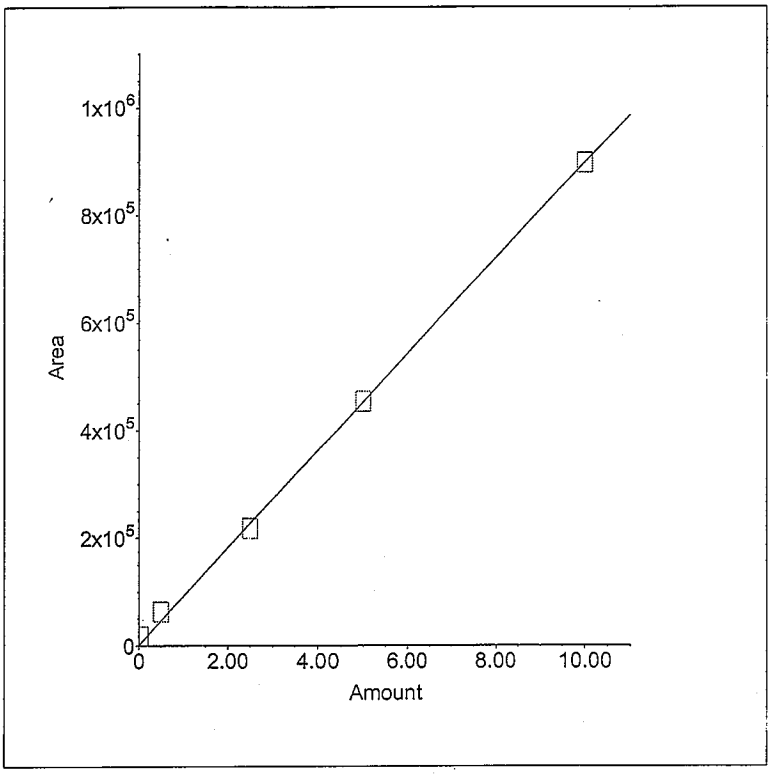
4. Component:Br
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999994
Amt=-2.453578e-012*Resp^2+
3.097663e-005*Resp+0



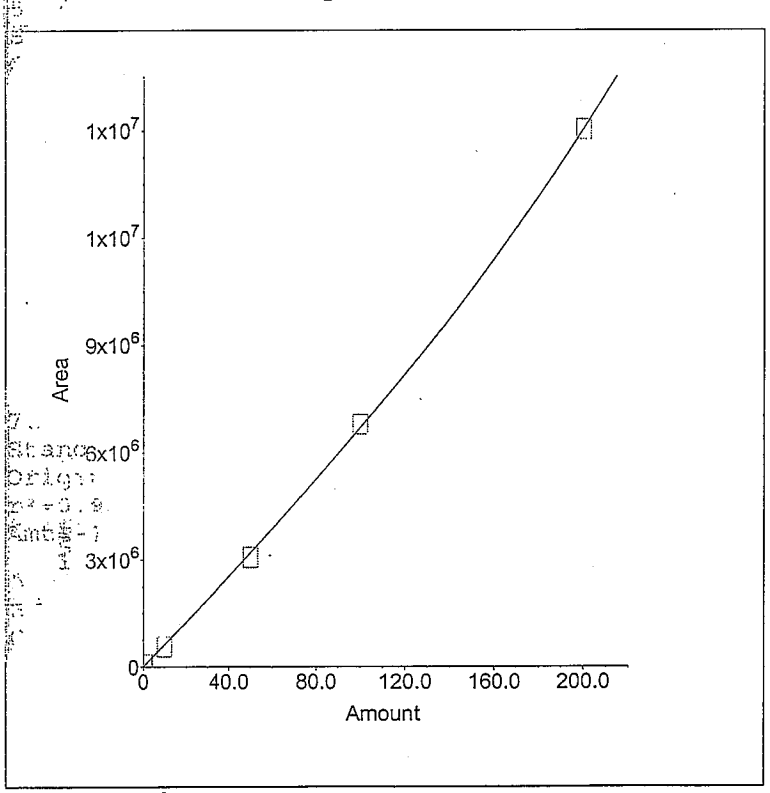
5. Component:NO3
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999968
Amt=-3.222747e-013*Resp^2+
5.413096e-006*Resp+0



6. Component:PO4
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999021
Amt=1.753826e-013*Resp^2+
1.062712e-005*Resp+0



7. Component:SO4
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
r^2=0.999746
Amt=-1.843849e-013*Resp^2+
1.572044e-005*Resp+0



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 5 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal5_002.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:07:56 PM
Injection Volume : 1.00
Injection Number : 2

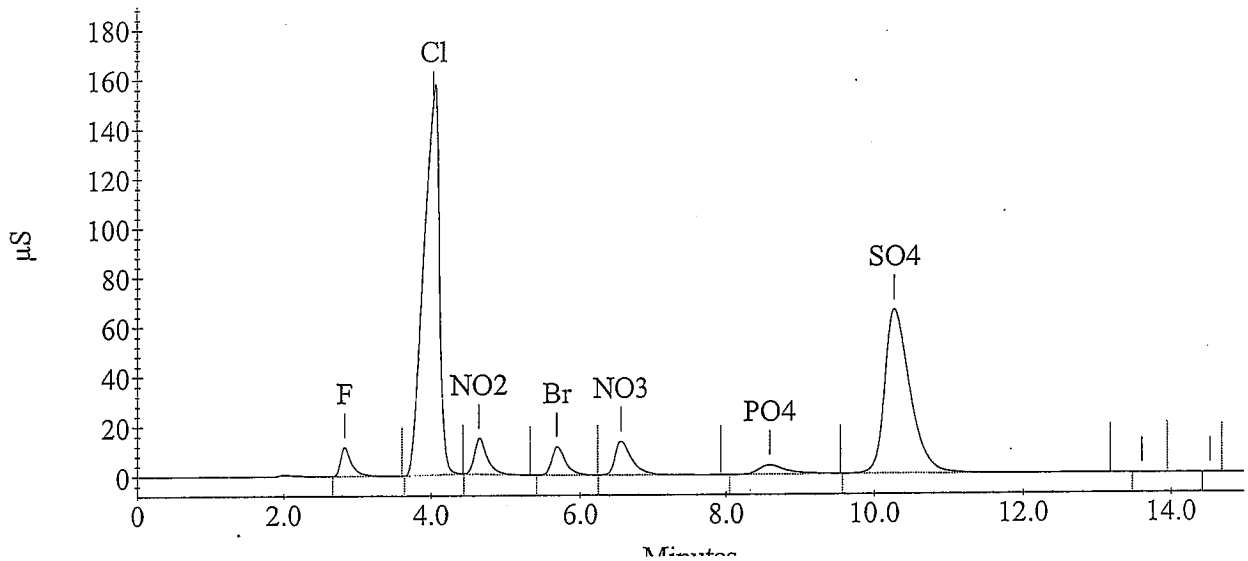
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 5:25:15 PM
Calibration Level : 5

IC5103

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	10.00	1212466	114965
Cl	4.03	200.00	23125052	1486305
NO2	4.64	10.00	1682989	141629
Br	5.68	40.00	1459965	112085
NO3	6.56	10.00	2112276	134111
PO4	8.59	10.00	926913	36893
SO4	10.27	200.00	15542477	658703

Cal std 5 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 4 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal4_003.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:25:21 PM
Injection Volume : 1.00
Injection Number : 3

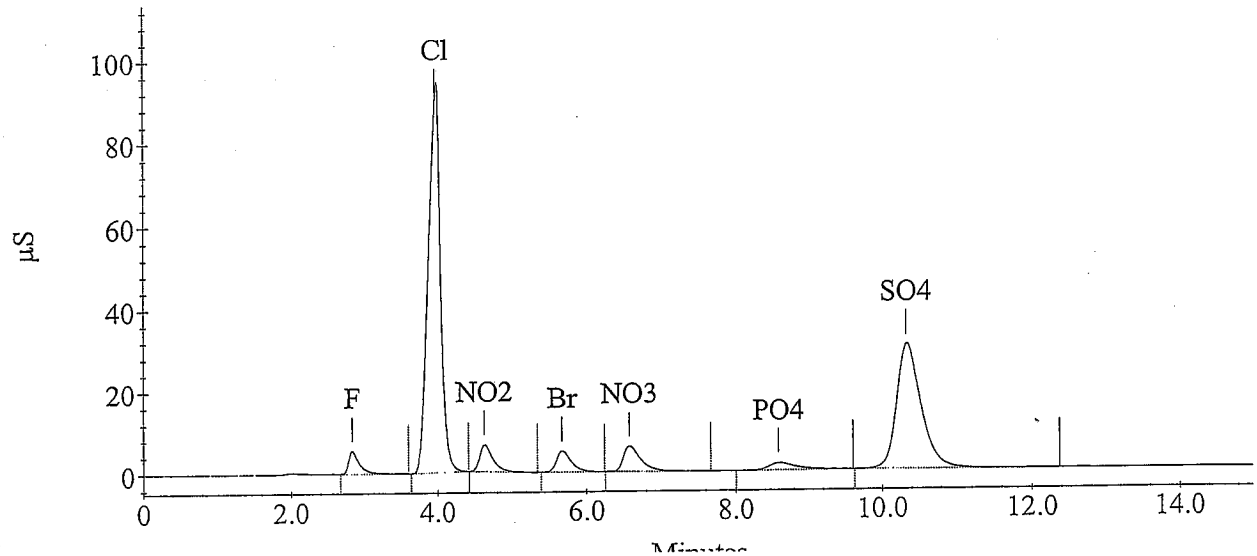
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 5:42:39 PM
Calibration Level : 4

IC5104

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	5.00	578812	55325
Cl	3.97	100.00	10841827	893395
NO2	4.63	5.00	791169	64740
Br	5.68	20.00	683769	51209
NO3	6.57	5.00	986419	61413
PO4	8.59	5.00	468319	17447
SO4	10.32	100.00	7030907	301776

Cal std 4 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 3 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal3_006.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 6:17:31 PM
Injection Volume : 1.00
Injection Number : 6

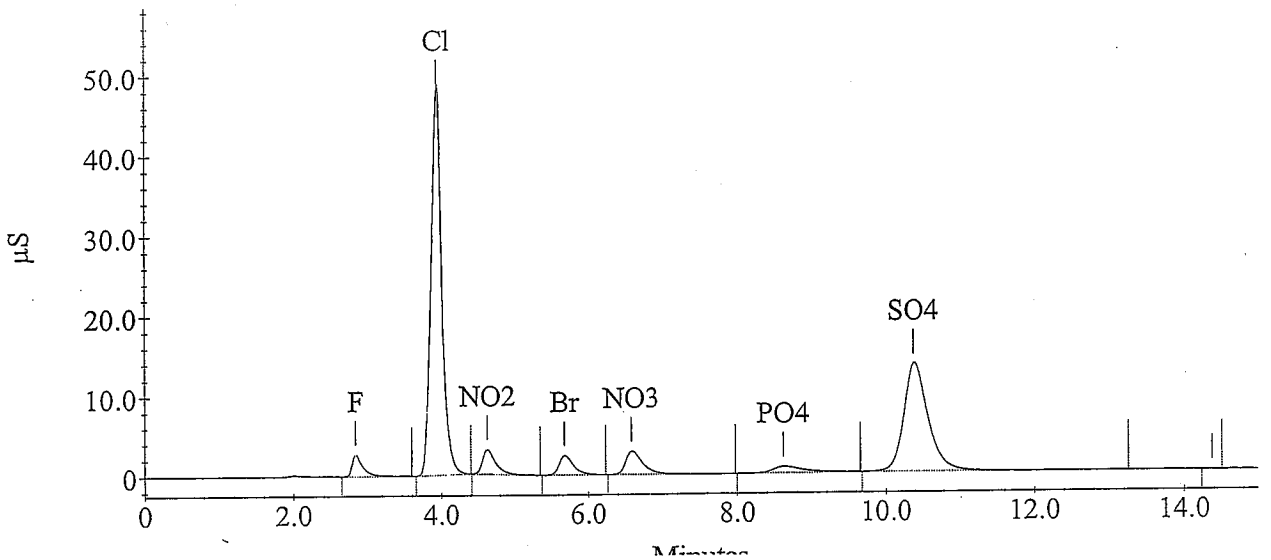
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:34:49 PM
Calibration Level : 3

IC5105

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	2.50	278153	26666
Cl	3.93	50.00	4935465	475862
NO2	4.63	2.50	380205	30683
Br	5.68	10.00	329934	24214
NO3	6.59	2.50	468512	28943
PO4	8.61	2.50	224803	8005
SO4	10.37	50.00	3175351	134220

Cal std 3 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 2 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal2_004.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 5:42:44 PM
Injection Volume : 1.00
Injection Number : 4

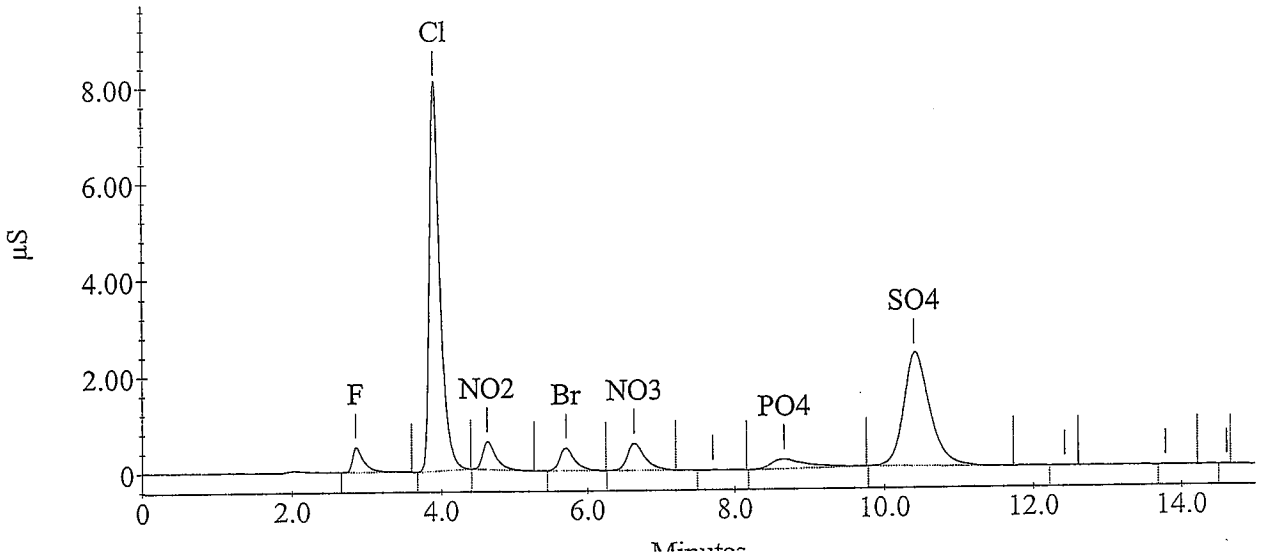
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:00:02 PM
Calibration Level : 2

IC5106

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.50	55068	5094
Cl	3.90	10.00	810030	80116
NO2	4.63	0.50	73298	5755
Br	5.71	2.00	64877	4677
NO3	6.64	0.50	90483	5553
PO4	8.67	0.50	65061	1988
SO4	10.40	10.00	578795	23268

Cal std 2 IC 9011-0007



Quanterra Ion Chromatography Calibration Report

Sample Name : Cal std 1 IC 9011-0007
Data File Name : c:\peaknet\data\dx 320 data\062005\Cal1_005.DXD

Method File Name : c:\peaknet\method\dx-320 062005.met
Schedule File Name : c:\peaknet\schedule\062005.sch
Date Time Collected : 6/20/05 6:00:08 PM
Injection Volume : 1.00
Injection Number : 5

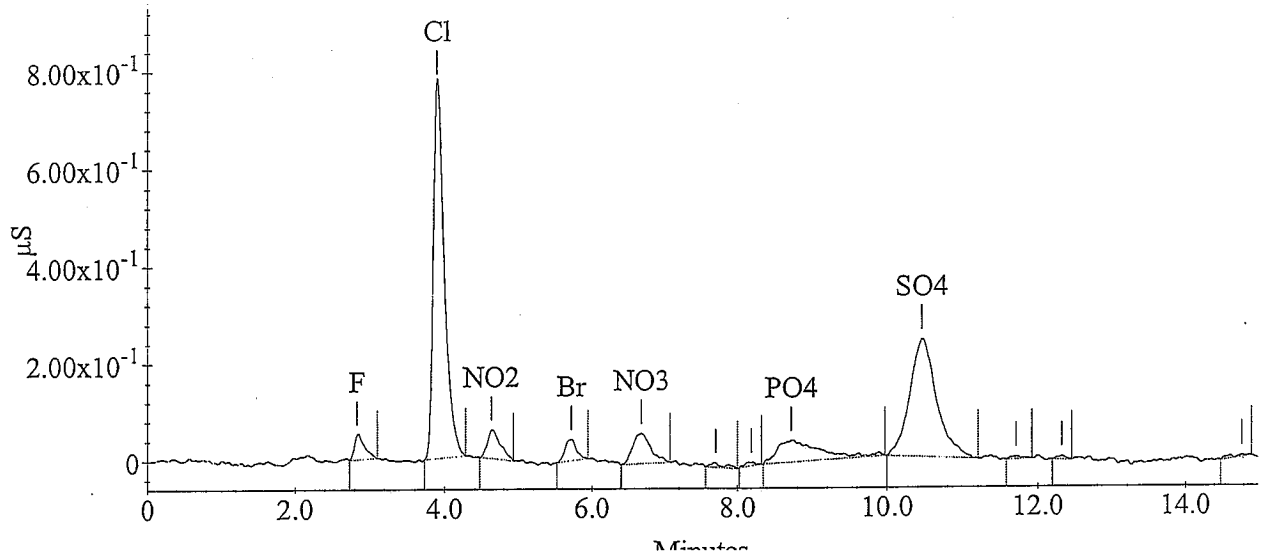
System Name : IC
System Operator : OC/DB
Calibration Date : 6/20/05 6:17:26 PM
Calibration Level : 1

IC5107

Peak Information : All Components

Component Name	Retention Time	Component Amount (mg/L)	Peak Area	Peak Height
F	2.83	0.05	4954	500
Cl	3.90	1.00	78690	7687
NO2	4.63	0.05	7261	580
Br	5.72	0.20	4777	434
NO3	6.69	0.05	10509	617
PO4	8.72	0.05	17096	438
SO4	10.45	1.00	59704	2416

Cal std 1 IC 9011-0007

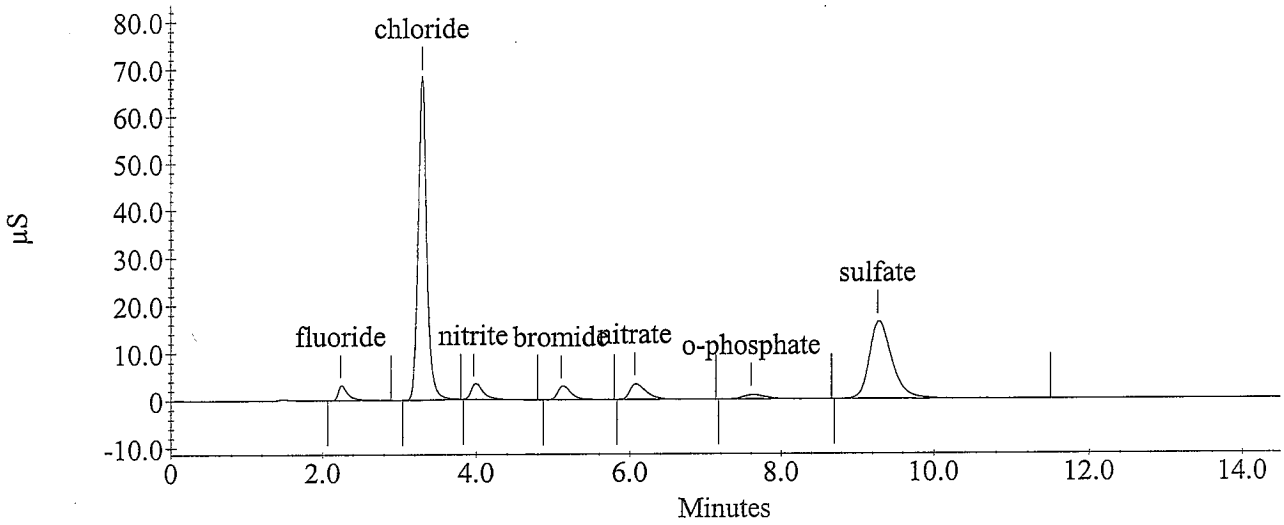


STL North Canton Ion Chromatography Analysis Report

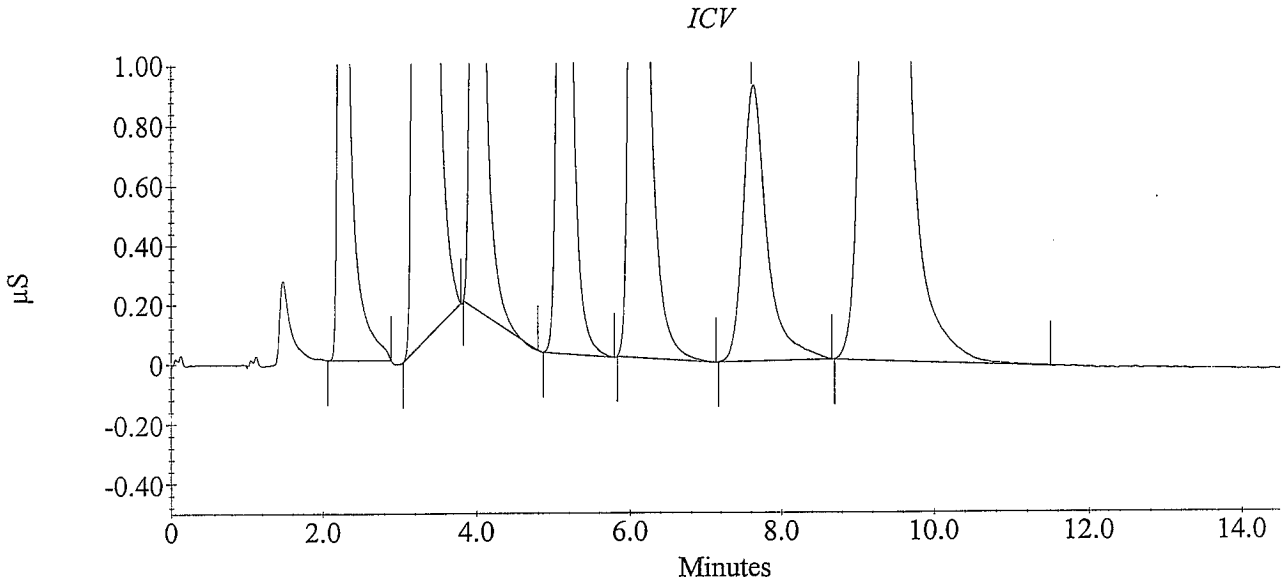
Sample Name : ICV
Data File Name : c:\peaknet\data\dx-120 data\063005\ICV_002.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 2
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 1:17:53 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

ICV



ICV



STL North Canton Ion Chromatography Analysis Report

Sample Name : ICV
Data File Name : c:\peaknet\data\dx-120 data\063005\ICV_002.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 1:17:53 PM
Sample Weight : 1.00000

Injection Number : 2
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.58	282722	29195
chloride	3.30	50.39	5315775	677402
nitrite	3.97	2.55	347889	29120
bromide	5.10	10.36	341778	26422
nitrate	6.07	2.59	483869	32062
o-phosphate	7.60	2.37	202840	8962
sulfate	9.27	50.37	3324214	159877

Peak Information : Unknown Peaks

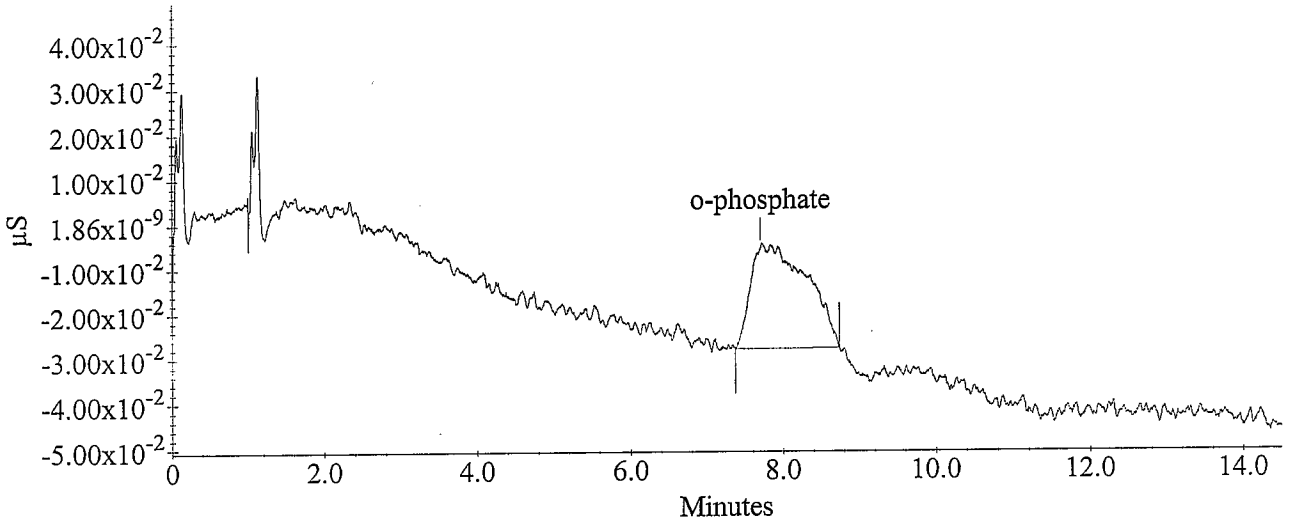
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

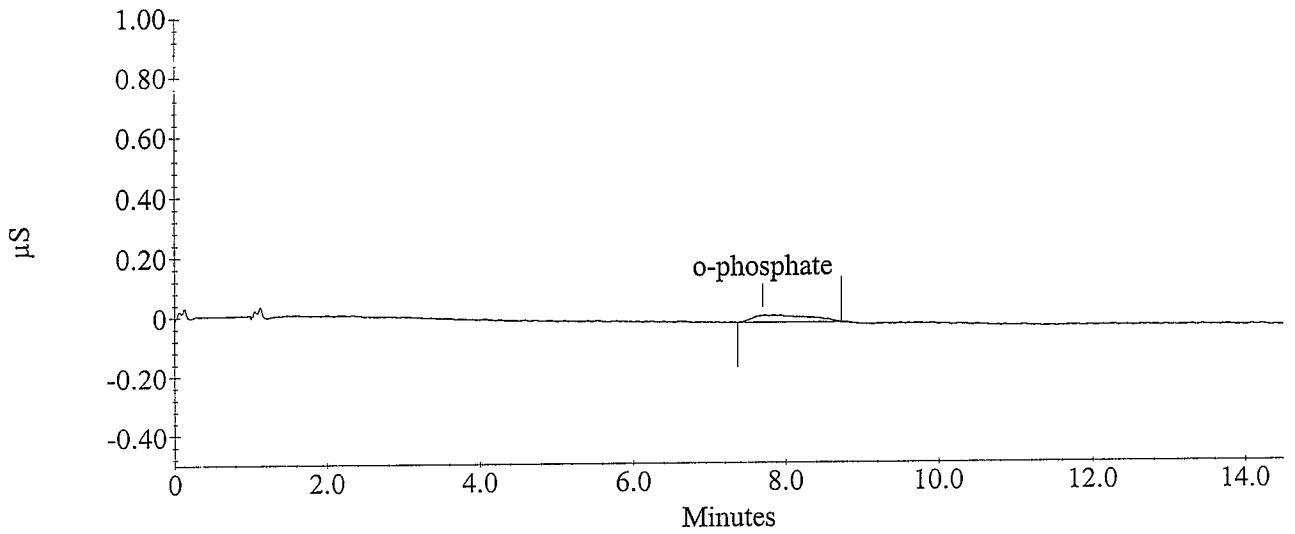
Sample Name : ICB
Data File Name : c:\peaknet\data\dx-120 data\063005\ICB_003.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 3
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 1:34:40 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

ICB



ICB



STL North Canton Ion Chromatography Analysis Report

Sample Name : ICB
Data File Name : c:\peaknet\data\dx-120 data\063005\ICB_003.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 1:34:40 PM
Sample Weight : 1.00000

Injection Number : 3
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
o-phosphate	7.70	0.14	11814	222
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.70	0.14	11814	222
sulfate				

Peak Information : Unknown Peaks

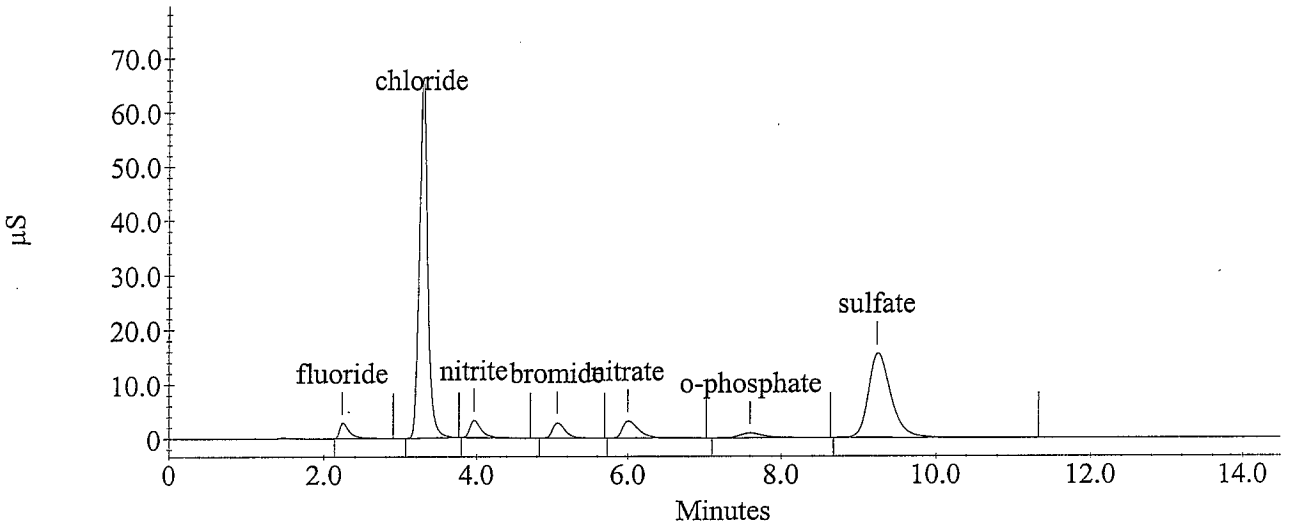
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

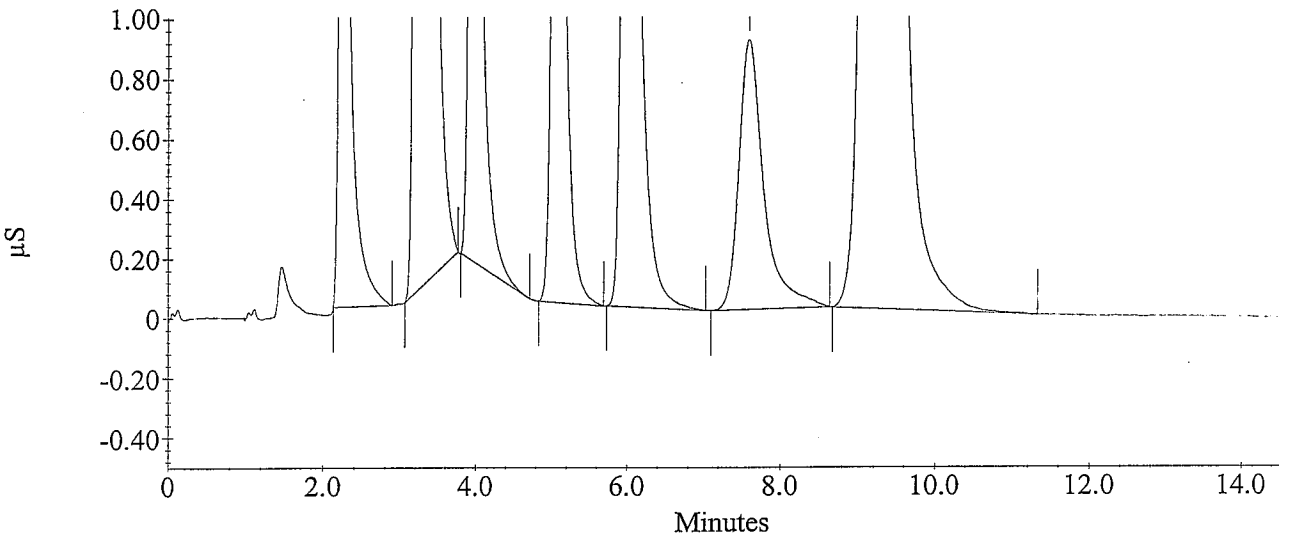
Sample Name : LCS
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS_004.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 4
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 1:51:27 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS



LCS



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS_004.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 1:51:27 PM
Sample Weight : 1.00000

Injection Number : 4
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.34	256473	27689
chloride	3.27	47.65	5018574	565547
nitrite	3.97	2.45	333556	31577
bromide	5.07	9.85	324245	27795
nitrate	6.00	2.48	462683	31435
o-phosphate	7.60	2.33	199810	8960
sulfate	9.23	47.67	3138314	154125

Peak Information : Unknown Peaks

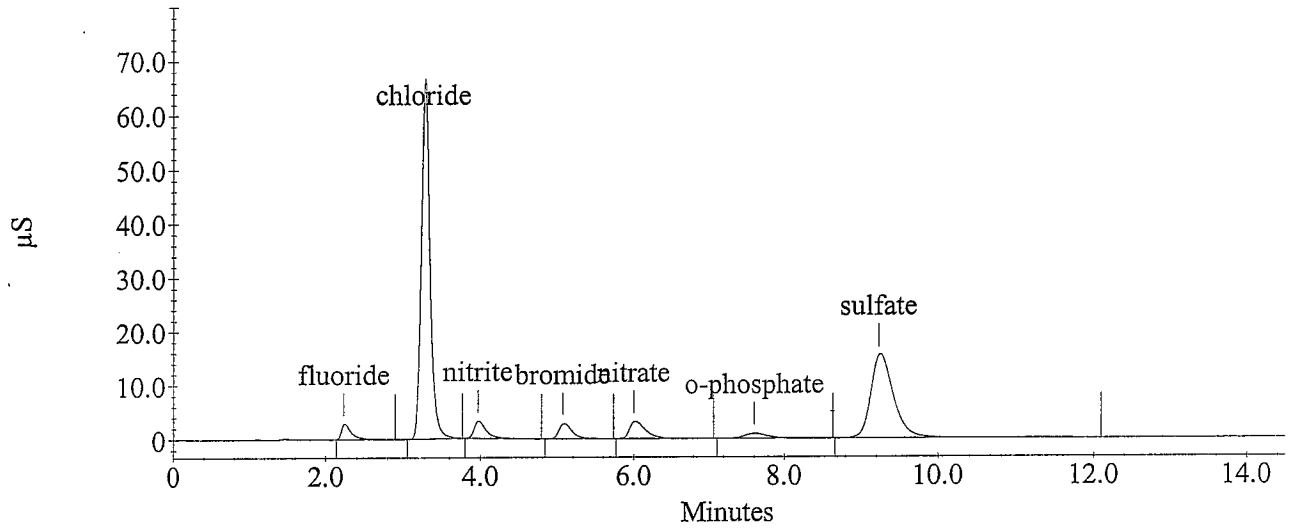
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

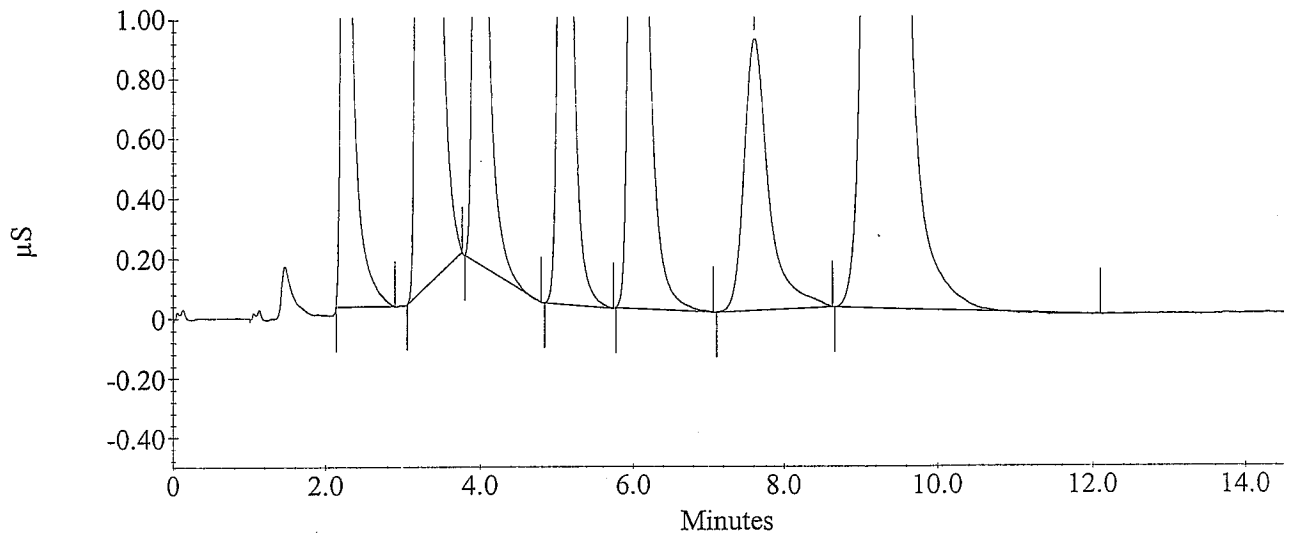
Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS DUP_005.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 5
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 2:08:13 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS DUP



LCS DUP



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS DUP_005.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 2:08:13 PM
Sample Weight : 1.00000

Injection Number : 5
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.34	255619	26893
chloride	3.27	47.90	5044758	541437
nitrite	3.97	2.45	334005	31166
bromide	5.07	9.89	325741	27021
nitrate	6.00	2.49	464175	30409
o-phosphate	7.60	2.36	202328	9029
sulfate	9.23	47.78	3146276	153275

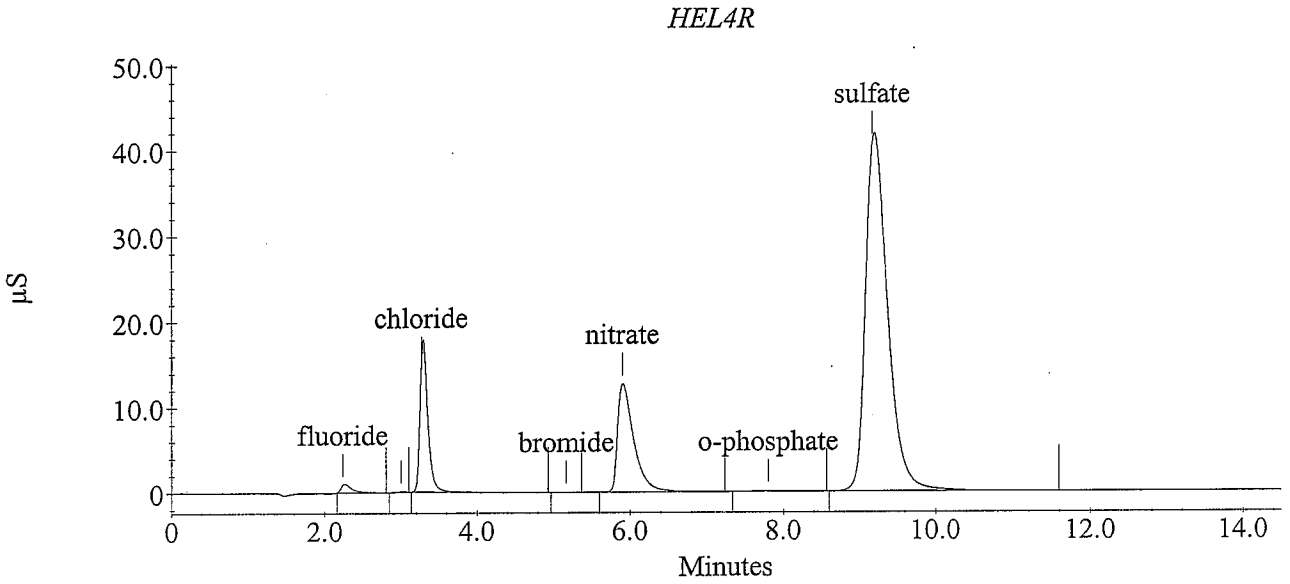
Peak Information : Unknown Peaks

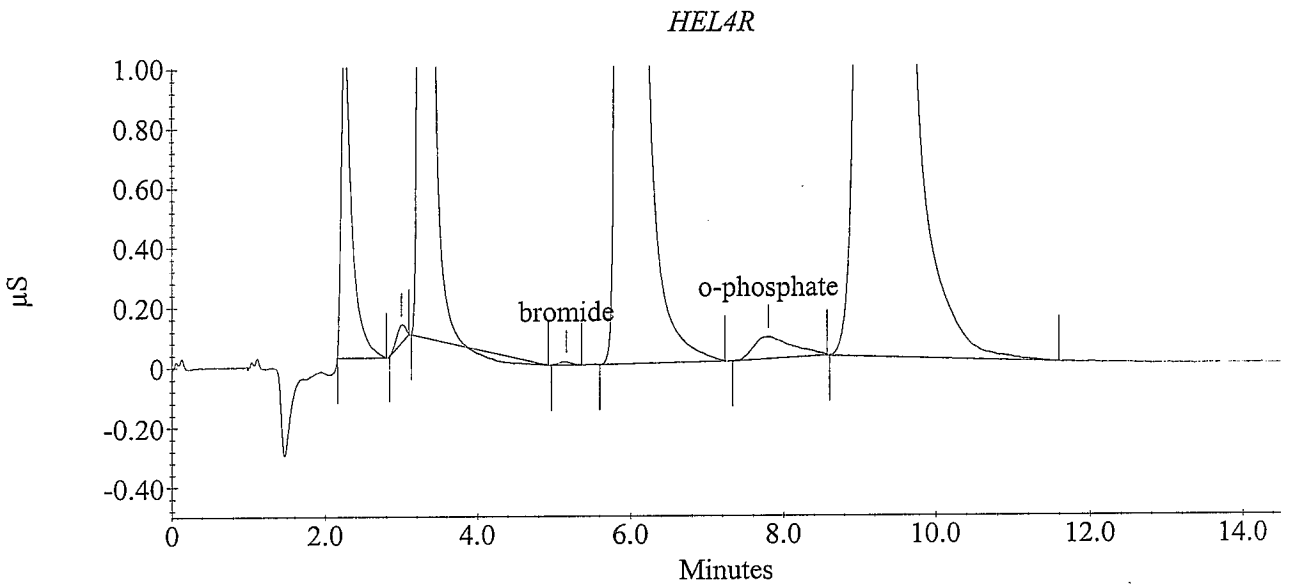
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL4R
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL4R_006.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 6
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 2:44:57 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL4R
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL4R_006.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 2:44:57 PM
Sample Weight : 1.00000
Injection Number : 6
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	0.94	101172	8922
chloride	3.27	12.13	1249607	144776
nitrite				
bromide	5.17	0.04	1199	102
nitrate	5.90	8.98	1840984	125918
o-phosphate	7.80	0.29	25379	729
sulfate	9.17	119.63	8444368	406283

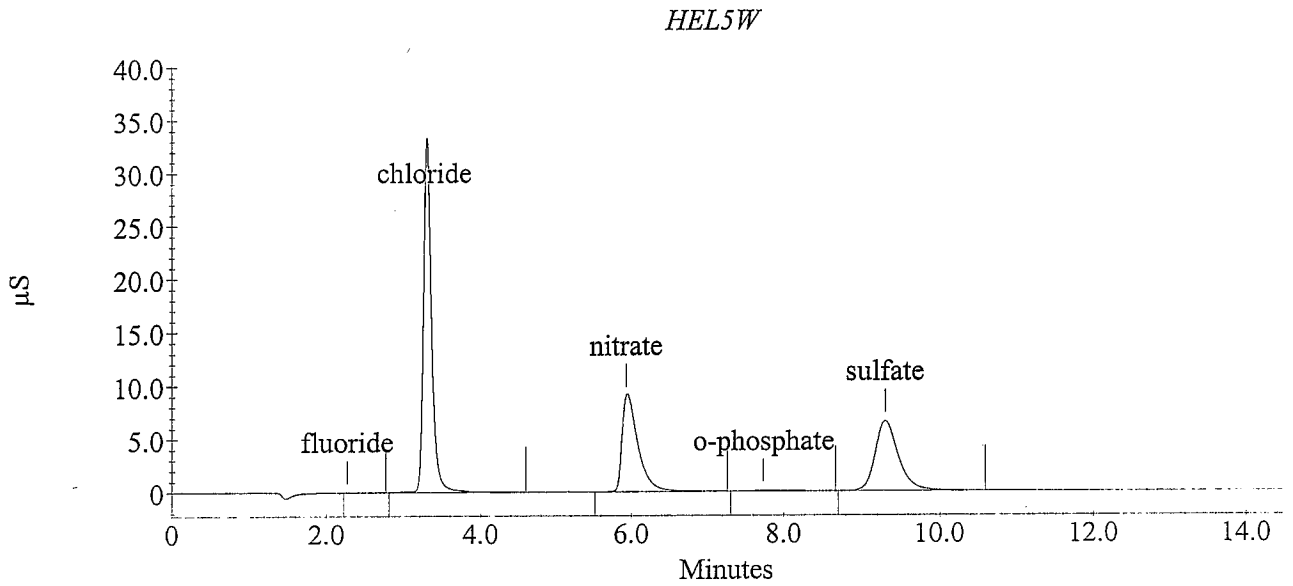
Peak Information : Unknown Peaks

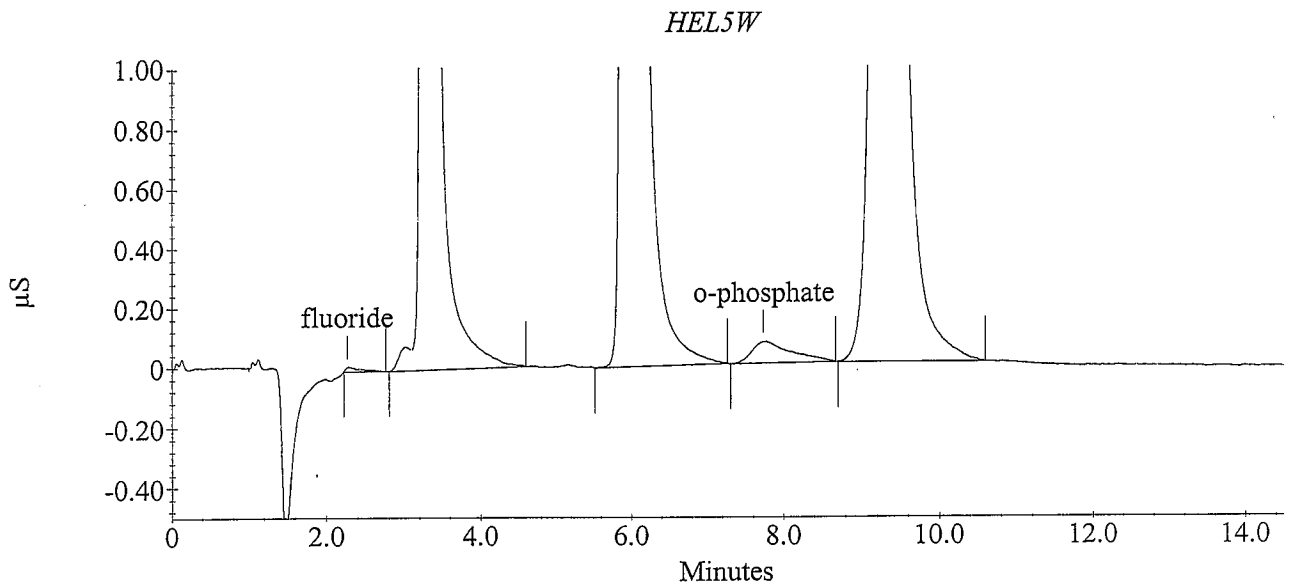
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	4780	603

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL5W
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL5W_007.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 7
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 3:01:43 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL5W
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL5W_007.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 3:01:43 PM
Sample Weight : 1.00000

Injection Number : 7
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.02	2128	138
chloride	3.27	23.57	2445101	252741
nitrite				
bromide				
nitrate	5.93	6.78	1340500	89898
o-phosphate	7.73	0.29	25119	707
sulfate	9.30	21.19	1364370	65689

Peak Information : Unknown Peaks

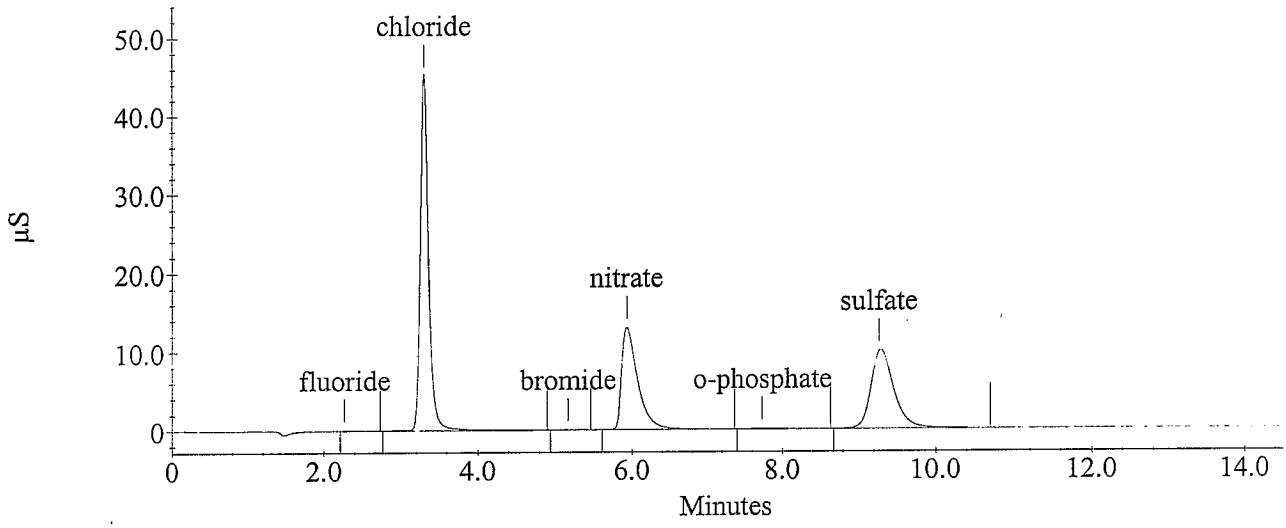
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

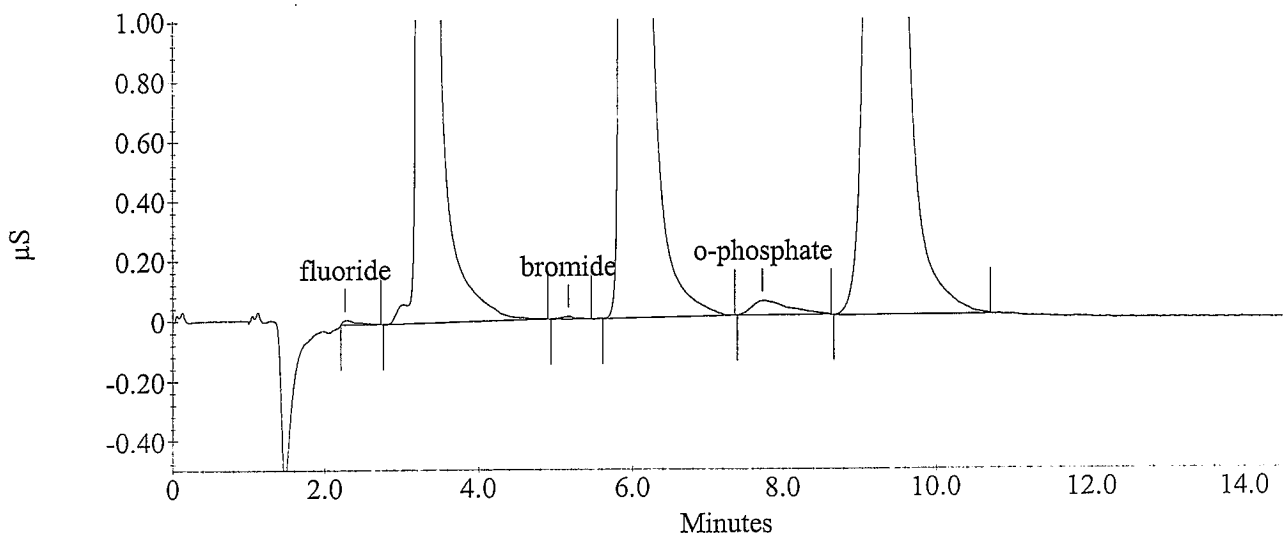
Sample Name : HEL50
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL50_008.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 8
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 3:18:30 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEL50



HEL50



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL50
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL50_008.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 3:18:30 PM
Sample Weight : 1.00000
Injection Number : 8
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.02	1760	133
chloride	3.30	32.18	3356092	449861
nitrite				
bromide	5.17	0.04	1166	88
nitrate	5.93	9.25	1904946	129817
o-phosphate	7.73	0.18	15888	469
sulfate	9.27	31.79	2065127	98937

Peak Information : Unknown Peaks

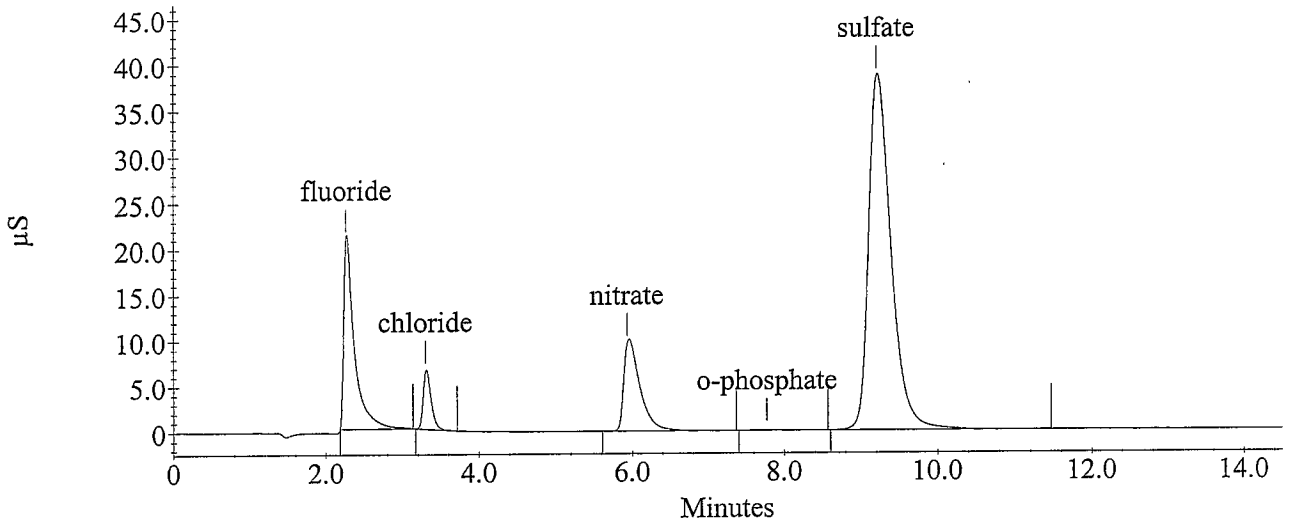
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

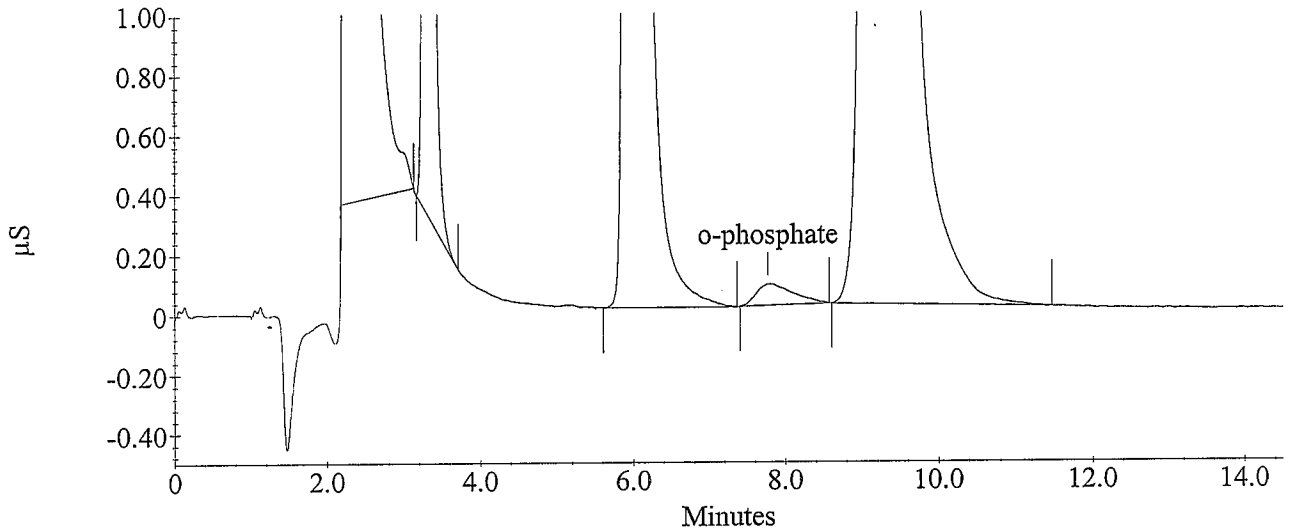
Sample Name : HEL52
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL52_009.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 9
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 3:35:17 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEL52



HEL52



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL52
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL52_009.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 9
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 3:35:17 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	15.18	2044510	205729
chloride	3.30	4.52	463330	62605
nitrite				
bromide				
nitrate	5.93	7.37	1471871	94355
o-phosphate	7.77	0.27	23111	697
sulfate	9.20	112.02	7843414	383238

Peak Information : Unknown Peaks

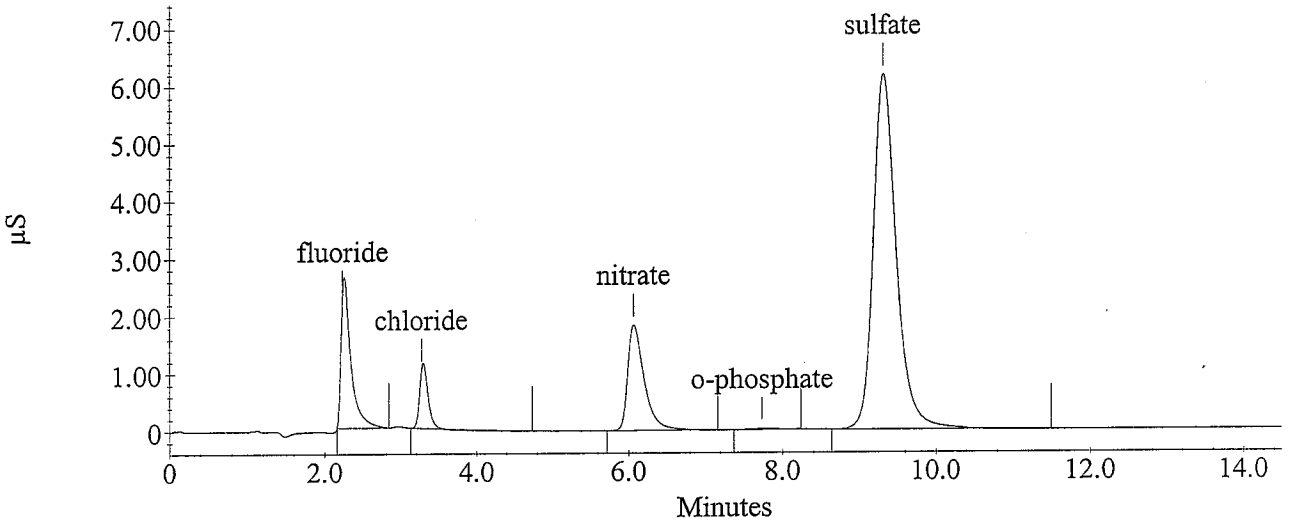
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

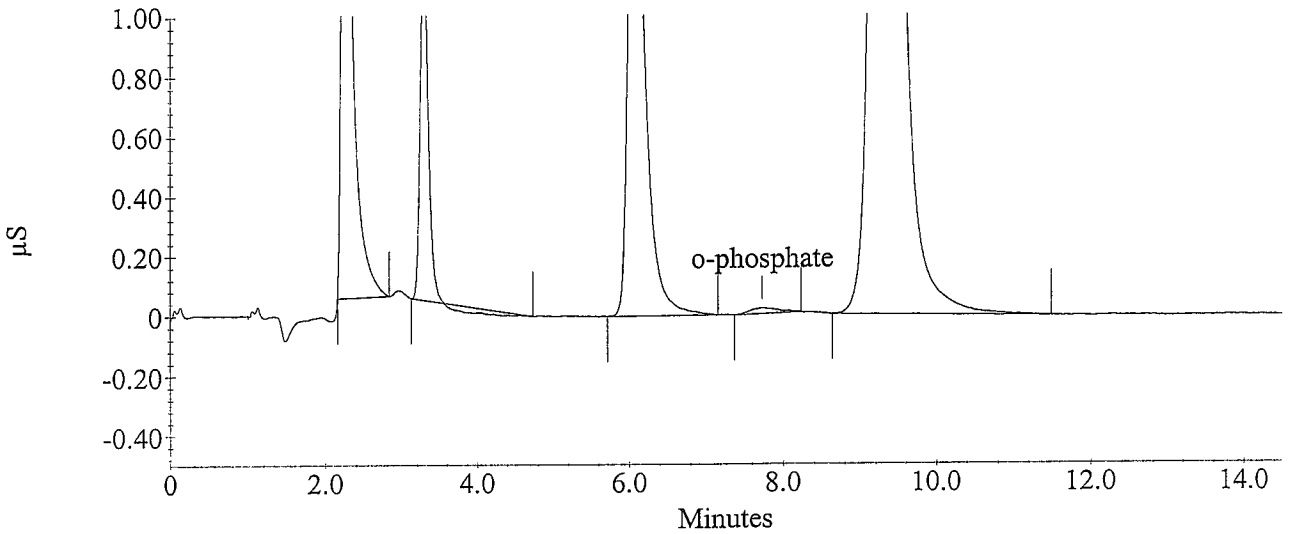
Sample Name : HEL52
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL52_010.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 10
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 3:52:05 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEL52



HEL52



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL52
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL52_010.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 3:52:05 PM
Sample Weight : 1.00000
Injection Number : 10
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	10.61	231691	21851
chloride	3.27	3.86	79026	10085
nitrite				
bromide				
nitrate	6.07	7.45	274104	18247
o-phosphate	7.73	0.27	4715	187
sulfate	9.30	100.69	1295670	61445

Peak Information : Unknown Peaks

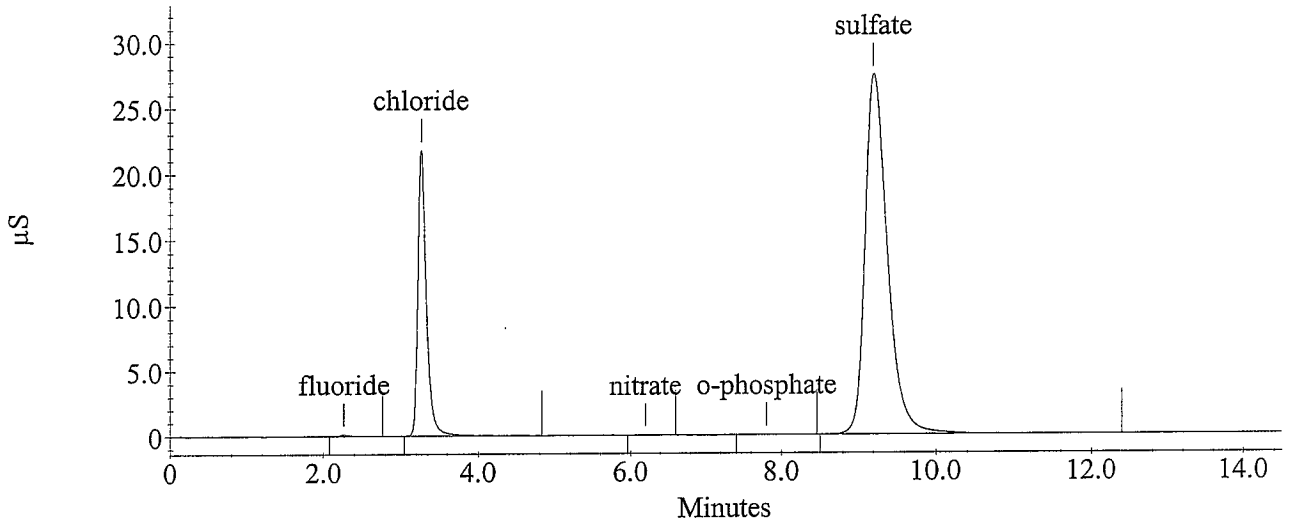
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

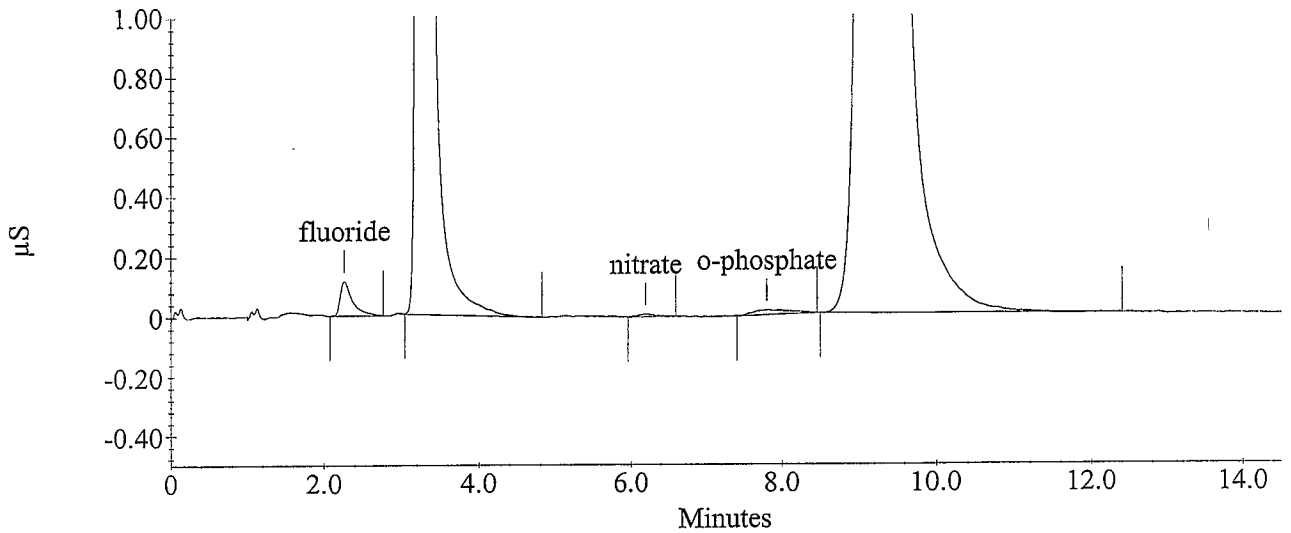
Sample Name : HEL55
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL55_011.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 11
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 4:08:52 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEL55



HEL55



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL55
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL55_011.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 4:08:52 PM
Sample Weight : 1.00000
Injection Number : 11
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.59	12535	1132
chloride	3.27	79.96	1651736	217286
nitrite				
bromide				
nitrate	6.20	0.04	1437	81
o-phosphate	7.80	0.30	5312	158
sulfate	9.20	408.01	5541593	273125

Peak Information : Unknown Peaks

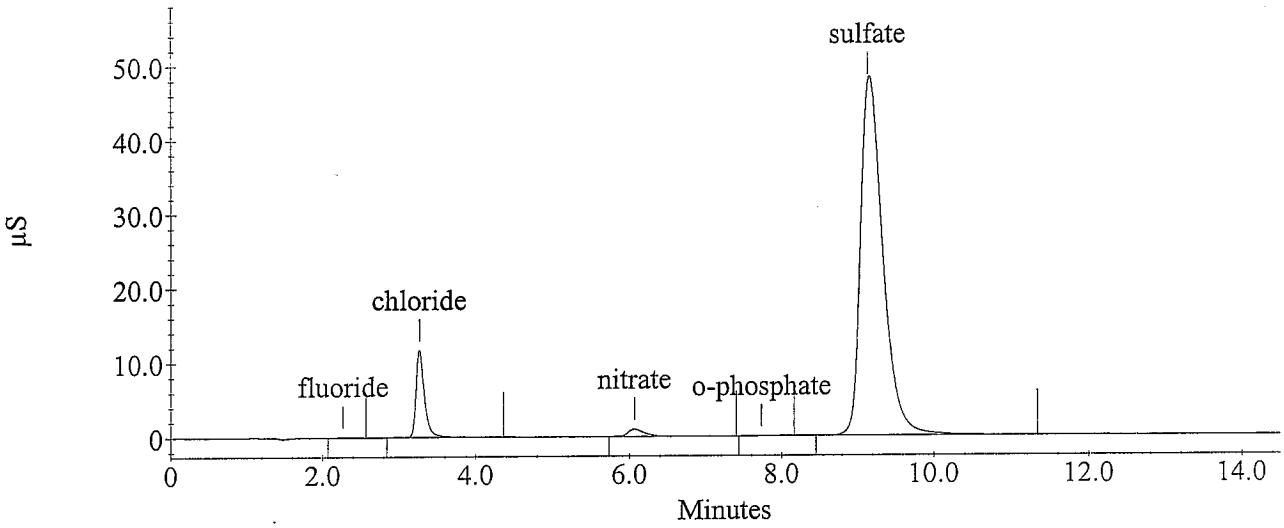
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

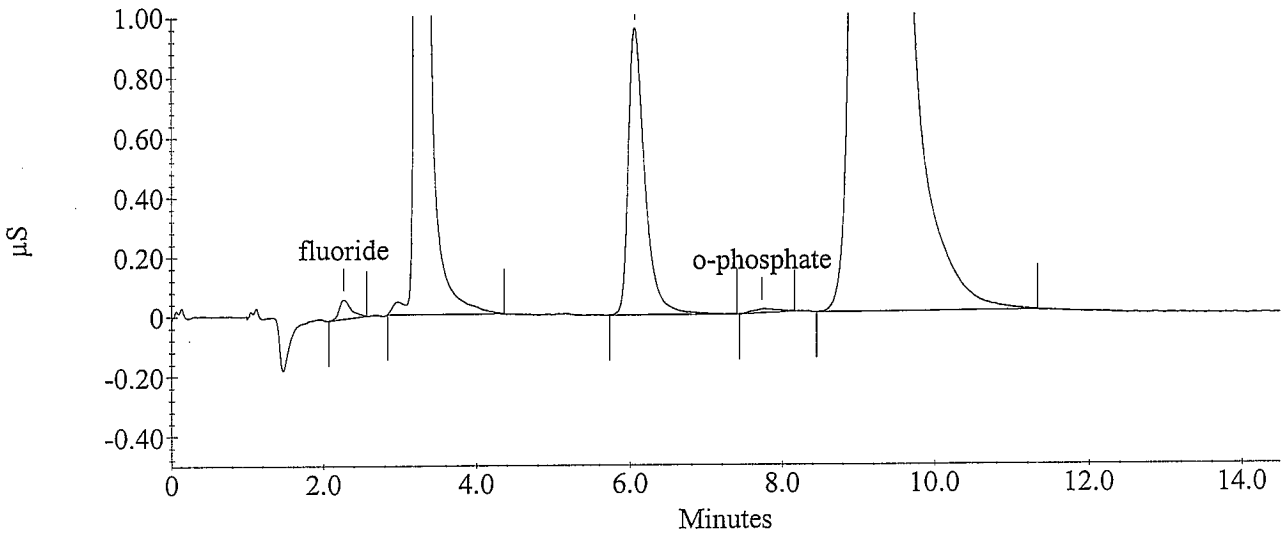
Sample Name : HEL57
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL57_012.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 12
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 4:25:51 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 2.00

HEL57



HEL57



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL57
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL57_012.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 4:25:51 PM
Sample Weight : 1.00000

Injection Number : 12
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 2.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.13	6976	639
chloride	3.27	17.37	893321	116484
nitrite				
bromide				
nitrate	6.07	1.57	143644	9551
o-phosphate	7.73	0.07	2914	125
sulfate	9.13	273.23	9828671	472799

Peak Information : Unknown Peaks

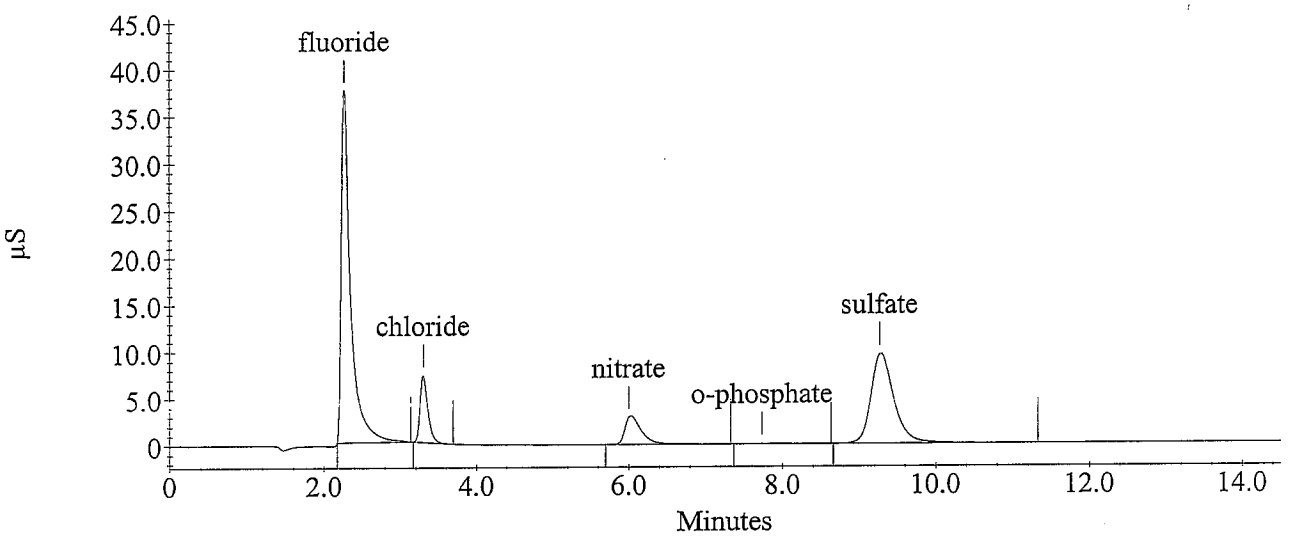
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

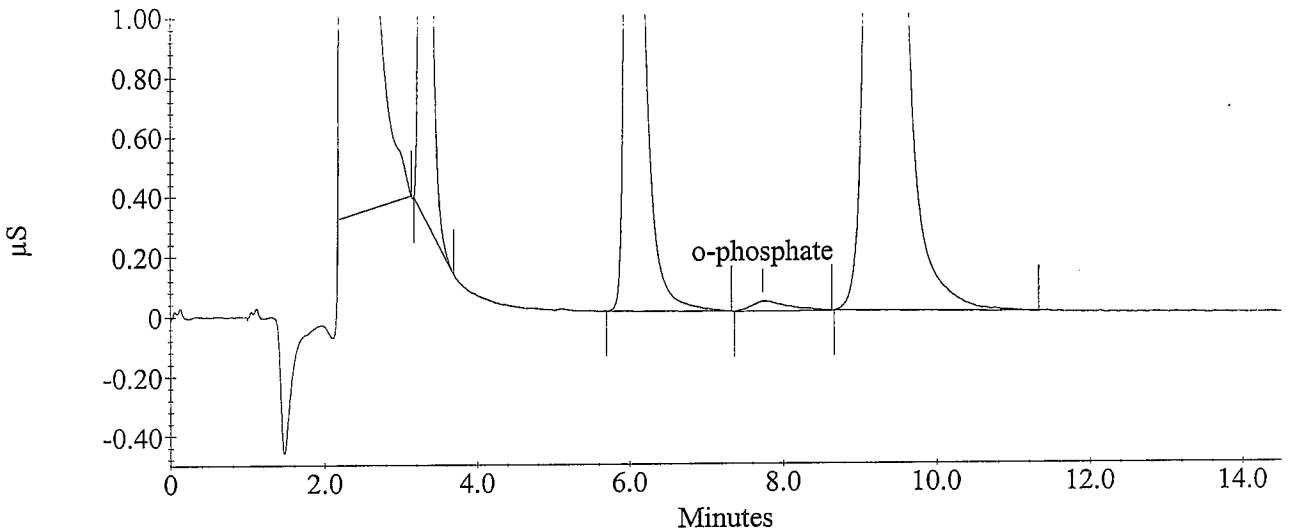
Sample Name : HEL6A
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6A_013.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 13
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 4:42:49 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEL6A



HEL6A



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL6A
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6A_013.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 4:42:49 PM
Sample Weight : 1.00000

Injection Number : 13
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	20.16	3184985	373730
chloride	3.30	4.94	506763	71073
nitrite				
bromide				
nitrate	6.00	2.40	447472	28381
o-phosphate	7.73	0.13	10941	335
sulfate	9.27	30.43	1974366	94999

Peak Information : Unknown Peaks

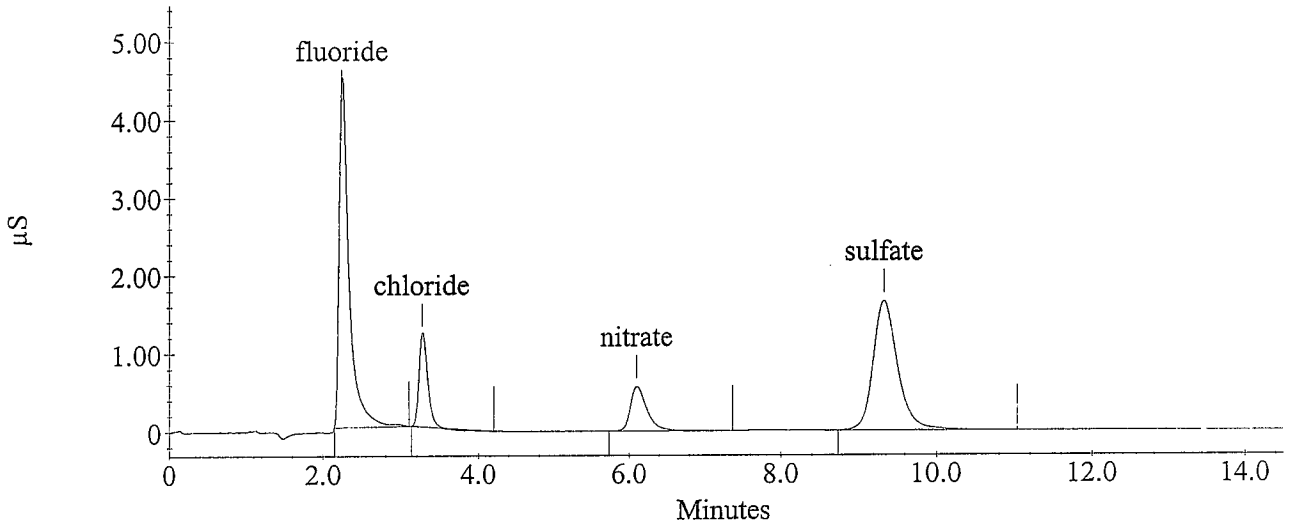
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

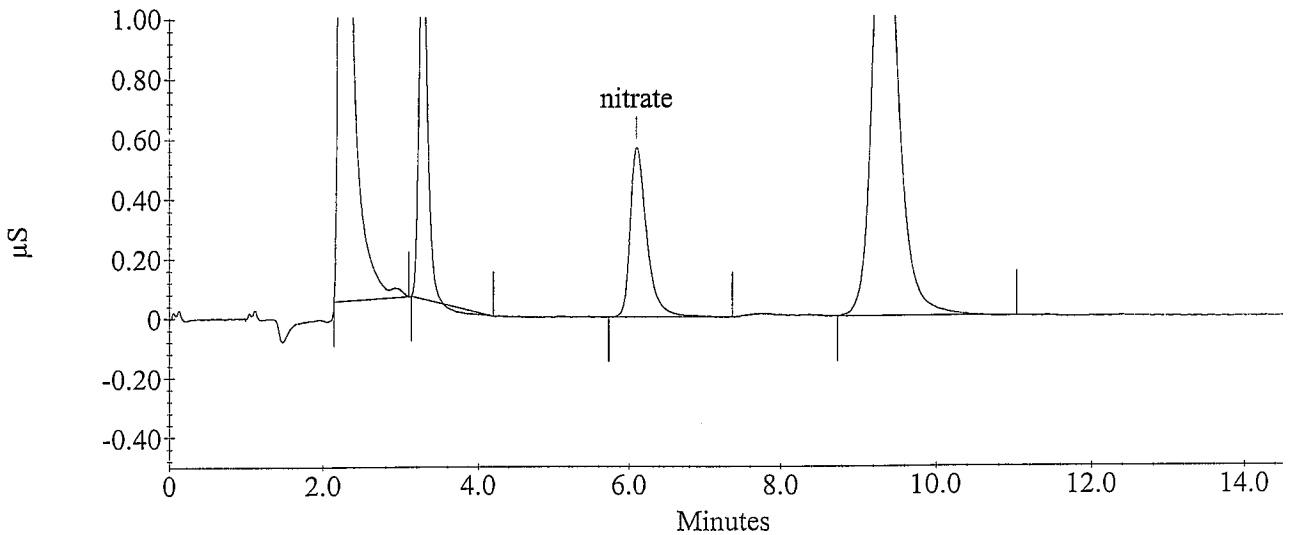
Sample Name : HEL6A
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6A_014.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 14
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 4:59:50 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEL6A



HEL6A



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL6A
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6A_014.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 4:59:50 PM
Sample Weight : 1.00000
Injection Number : 14
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	17.70	393148	41720
chloride	3.27	4.36	89246	11701
nitrite				
bromide				
nitrate	6.10	2.36	85852	5627
o-phosphate				
sulfate	9.33	28.04	356613	16513

Peak Information : Unknown Peaks

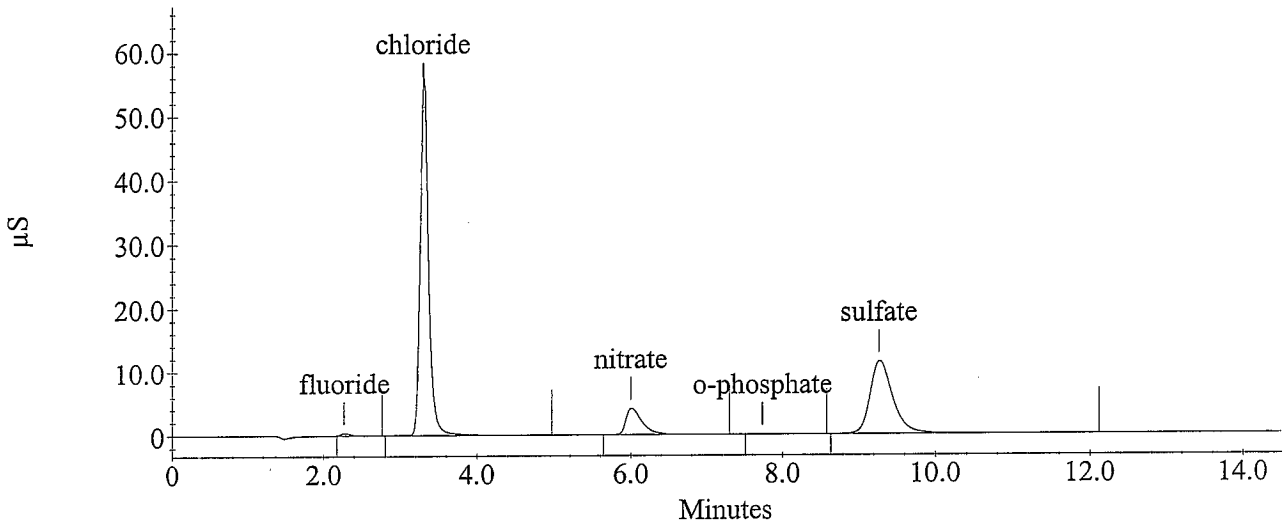
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

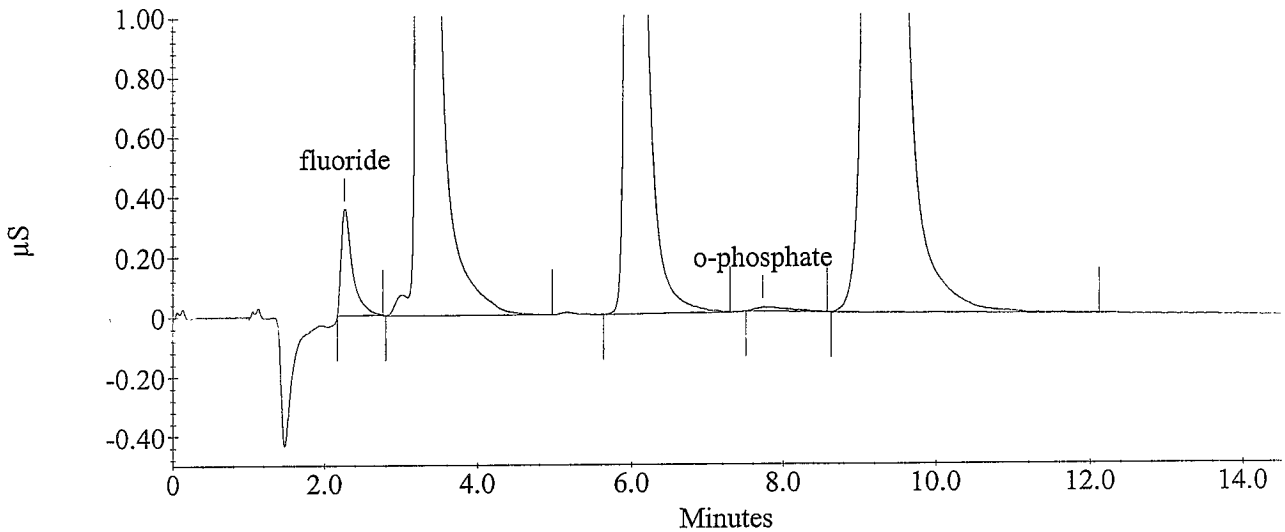
Sample Name : HEL6H
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6H_015.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 15
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 5:16:50 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEL6H



HEL6H



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL6H
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6H_015.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 5:16:50 PM
Sample Weight : 1.00000

Injection Number : 15
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.34	35946	3511
chloride	3.30	39.68	4158273	532233
nitrite				
bromide				
nitrate	6.00	3.21	604599	40587
o-phosphate	7.73	0.05	4283	135
sulfate	9.27	35.91	2340892	113217

Peak Information : Unknown Peaks

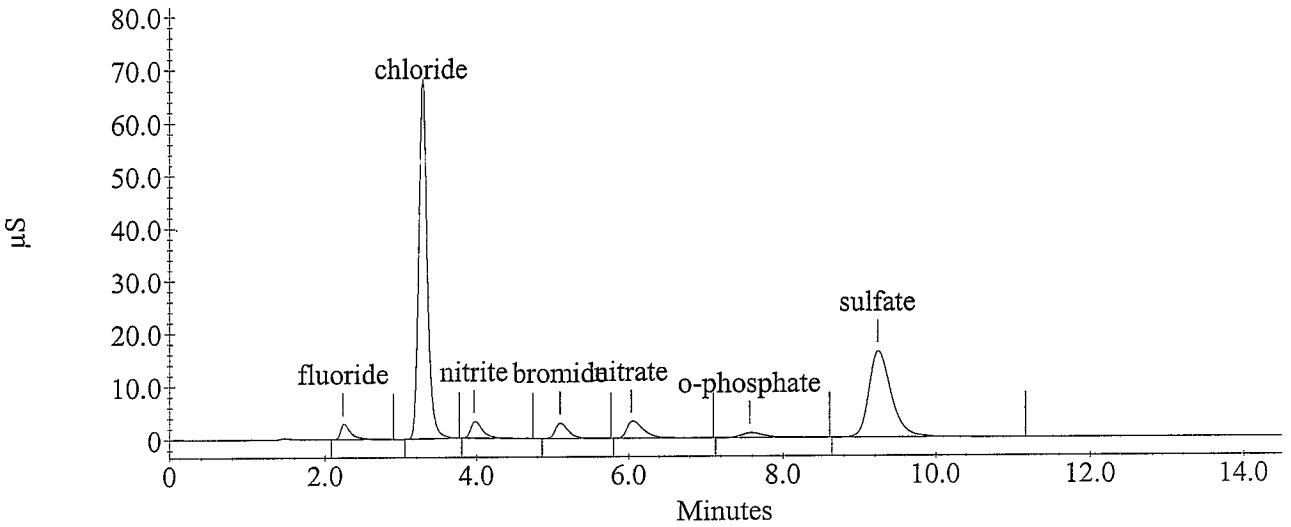
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

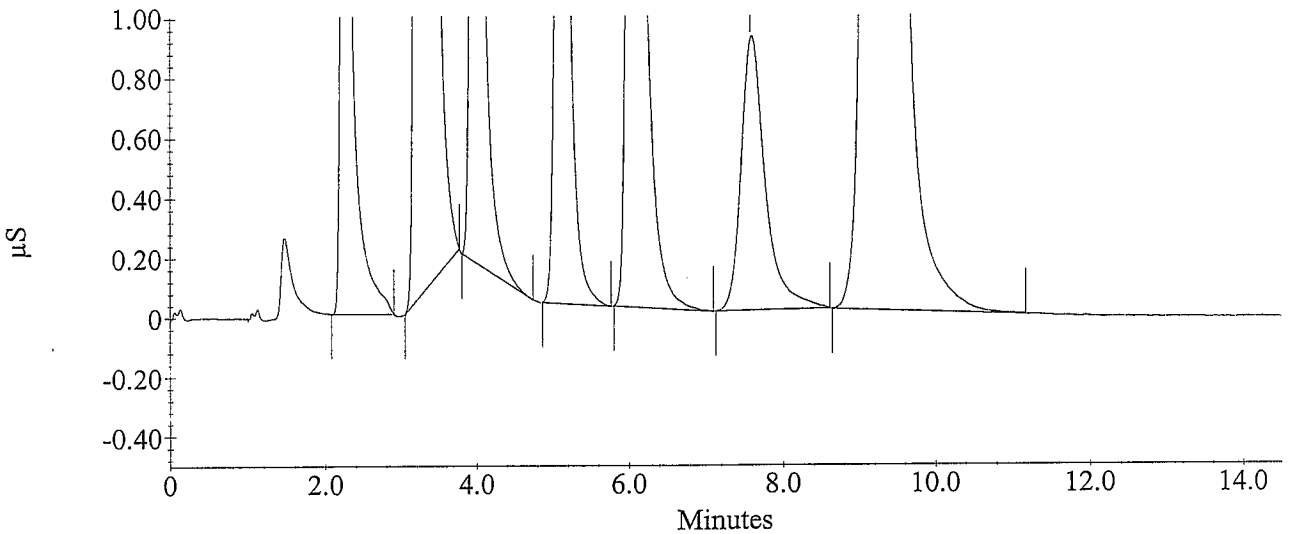
Sample Name : CCV #1
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #1_016.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 16
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 5:33:47 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #1



CCV #1



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #1
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #1_016.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 5:33:47 PM
Sample Weight : 1.00000
Injection Number : 16
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.52	276729	27698
chloride	3.27	50.25	5300203	605254
nitrite	3.97	2.51	342008	30334
bromide	5.10	10.31	339958	28495
nitrate	6.03	2.58	481533	31125
o-phosphate	7.57	2.30	196943	8951
sulfate	9.23	50.23	3314915	161536

Peak Information : Unknown Peaks

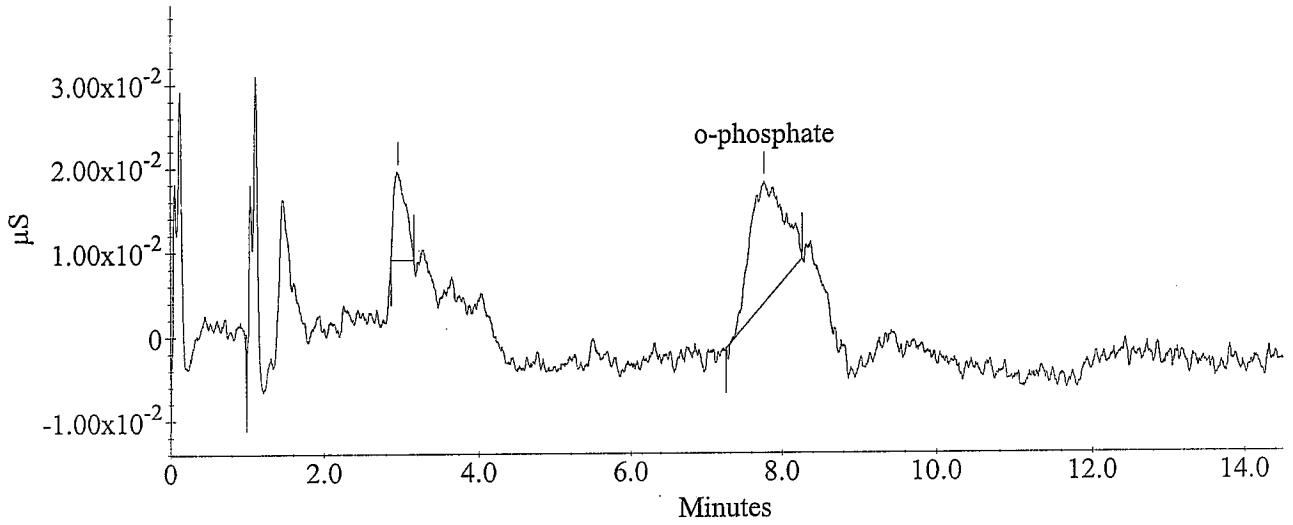
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

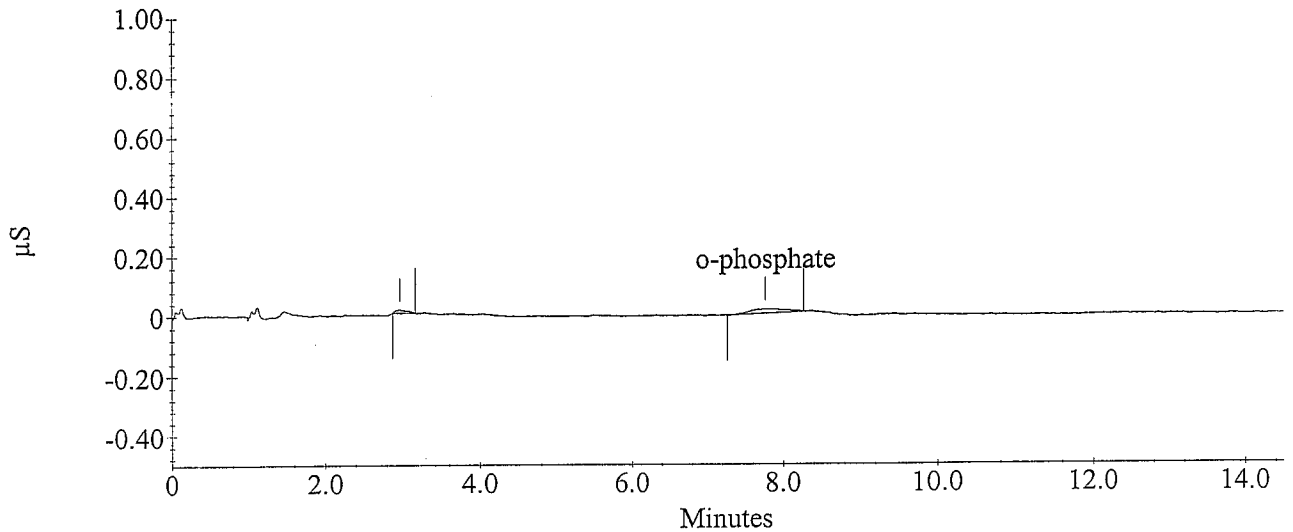
Sample Name : CCB #1
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #1_017.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 17
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 5:50:45 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #1



CCB #1



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #1
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #1_017.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 17
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 5:50:45 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	1113	103
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.77	0.05	4291	142
sulfate				

Peak Information : Unknown Peaks

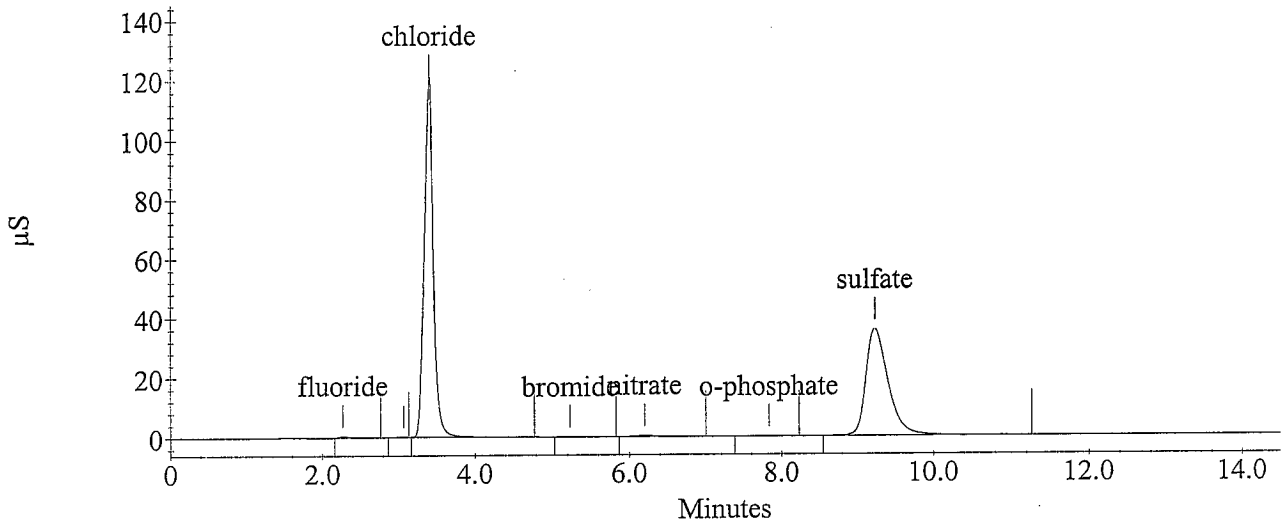
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	1113	103

STL North Canton Ion Chromatography Analysis Report

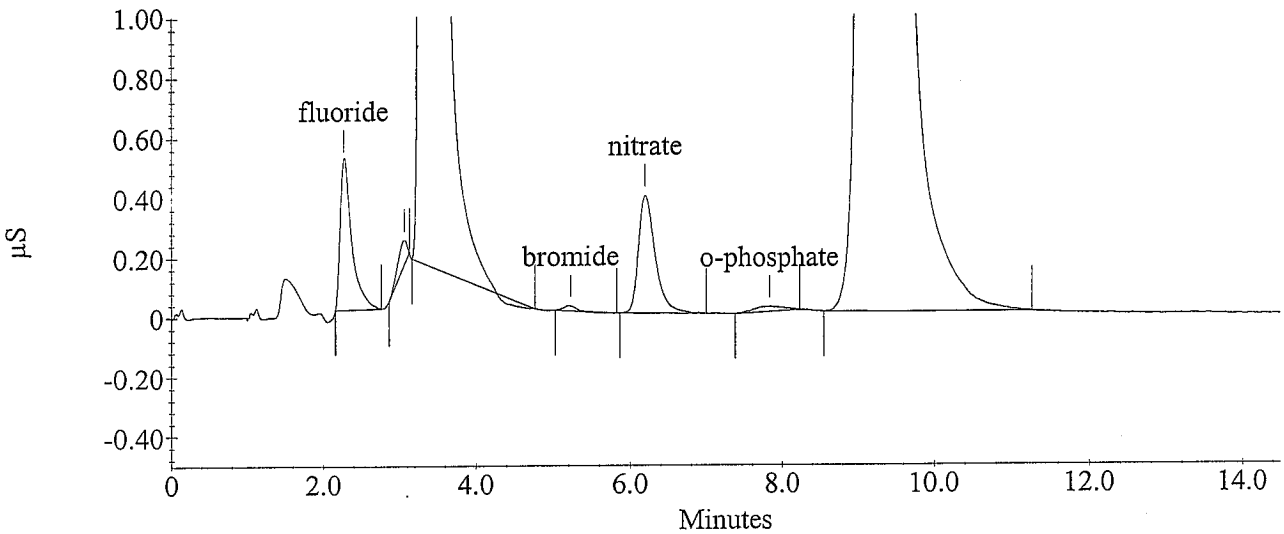
Sample Name : HEN61
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN61_018.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 18
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 6:07:40 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN61



HEN61



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN61
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN61_018.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 6:07:40 PM
Sample Weight : 1.00000
Injection Number : 18
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.51	54193	4961
chloride	3.40	90.60	9816240	1176201
nitrite				
bromide	5.23	0.05	1497	163
nitrate	6.20	0.33	59017	3922
o-phosphate	7.83	0.05	4564	160
sulfate	9.23	103.96	7218466	355508

Peak Information : Unknown Peaks

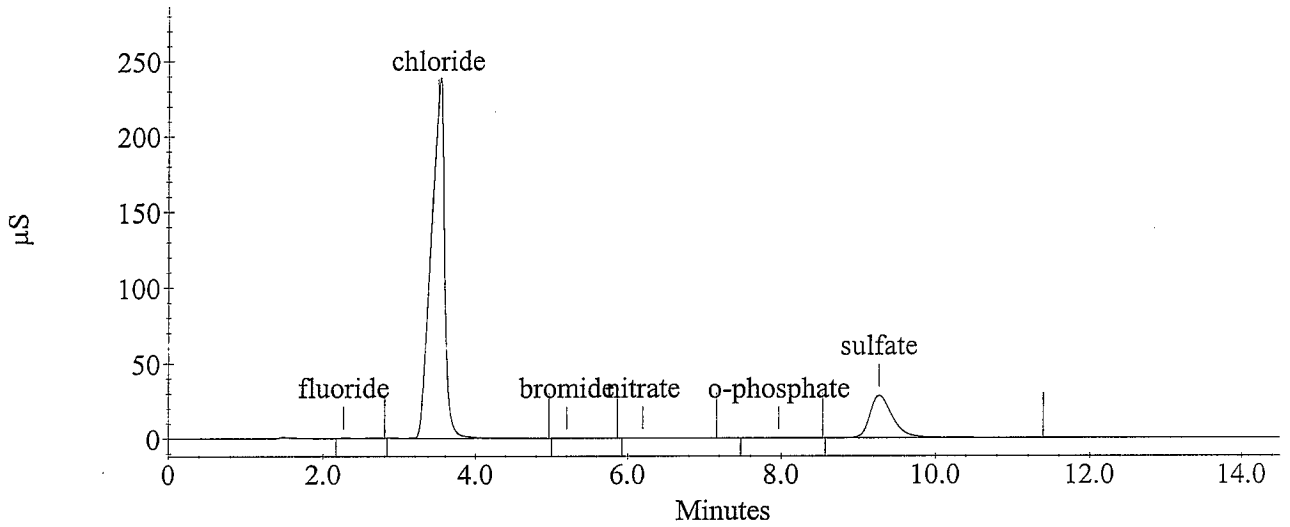
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.07	0.00	7170	826

STL North Canton Ion Chromatography Analysis Report

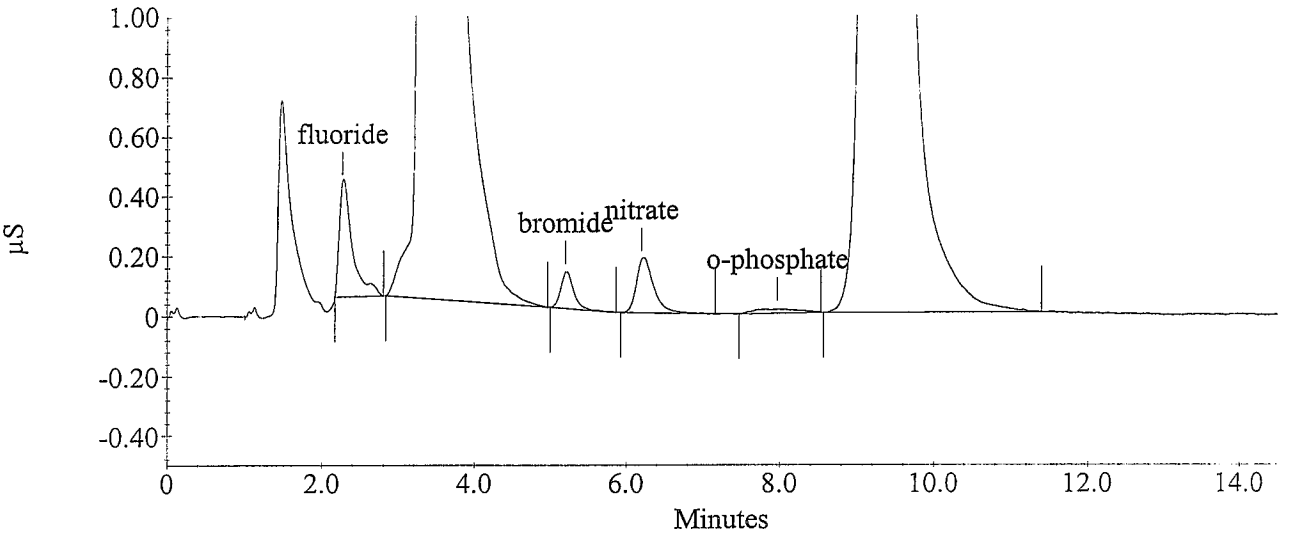
Sample Name : HEN6F
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6F_019.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 19
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 6:24:36 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN6F



HEN6F



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN6F
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6F_019.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 6:24:36 PM
Sample Weight : 1.00000
Injection Number : 19
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.43	46249	3768
chloride	3.50	237.02	29020447	2166546
nitrite				
bromide	5.20	0.45	14426	1177
nitrate	6.20	0.16	28080	1753
o-phosphate	7.97	0.06	5278	127
sulfate	9.27	83.47	5678944	281335

Peak Information : Unknown Peaks

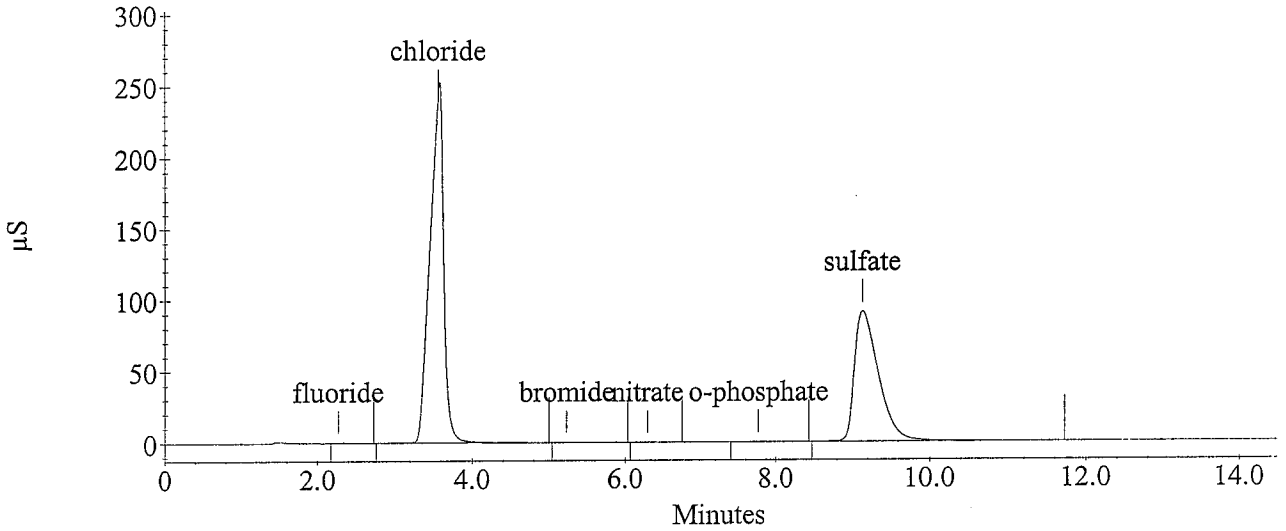
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

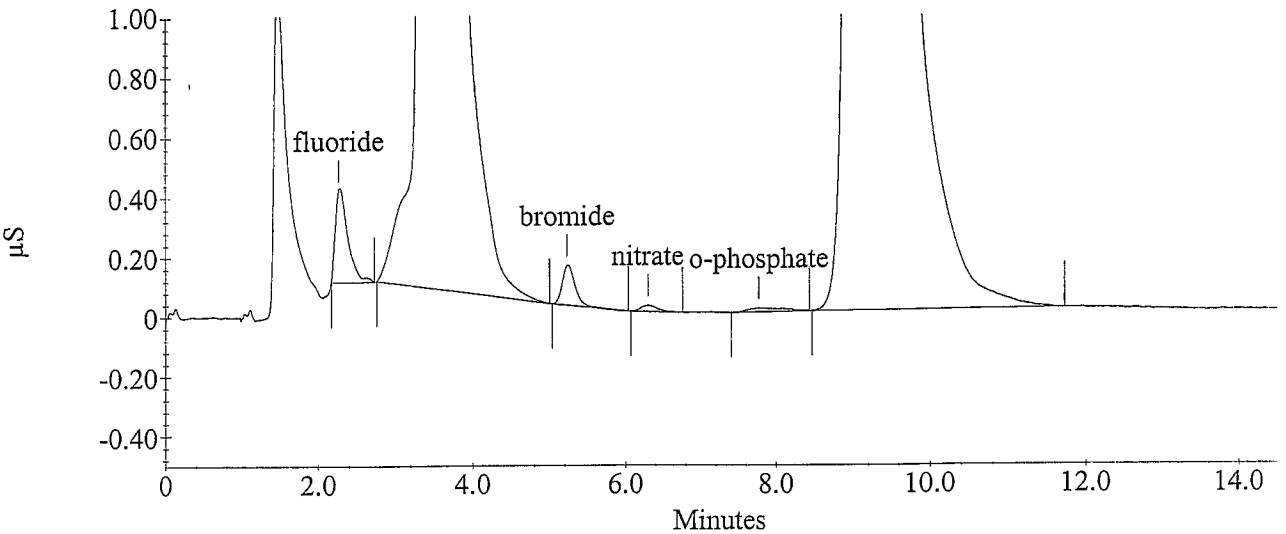
Sample Name : HEN6D
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6D_020.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 20
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 6:41:36 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN6D



HEN6D



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN6D
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6D_020.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 6:41:36 PM
Sample Weight : 1.00000
Injection Number : 20
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.33	35528	3041
chloride	3.57	246.43	30472684	2389793
nitrite				
bromide	5.23	0.47	15197	1319
nitrate	6.30	0.02	3083	208
o-phosphate	7.77	0.05	4189	131
sulfate	9.13	235.90	19642352	908301

Peak Information : Unknown Peaks

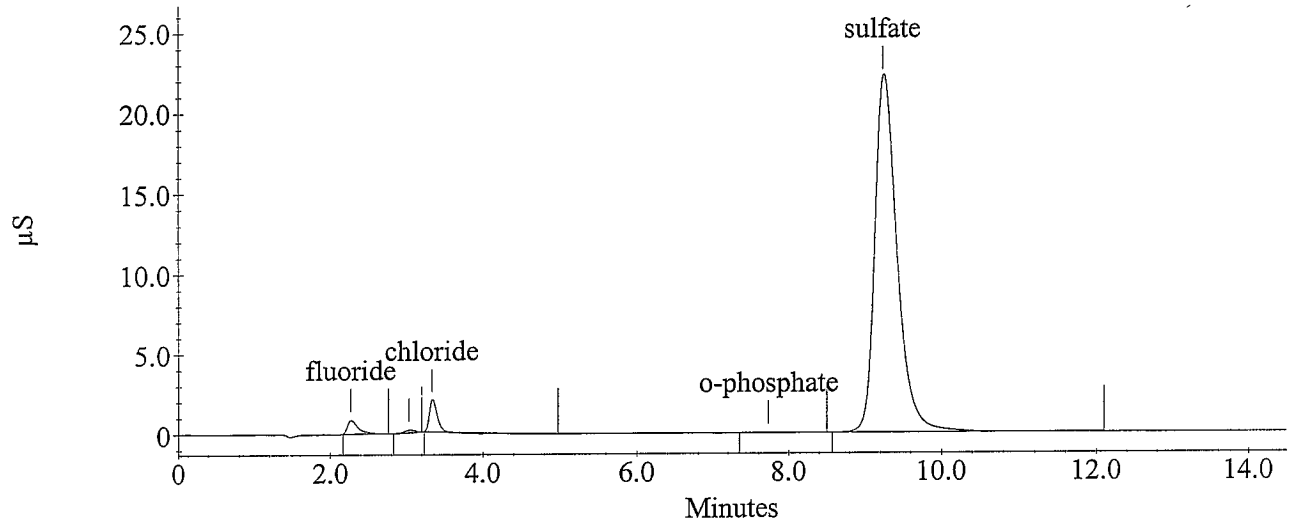
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

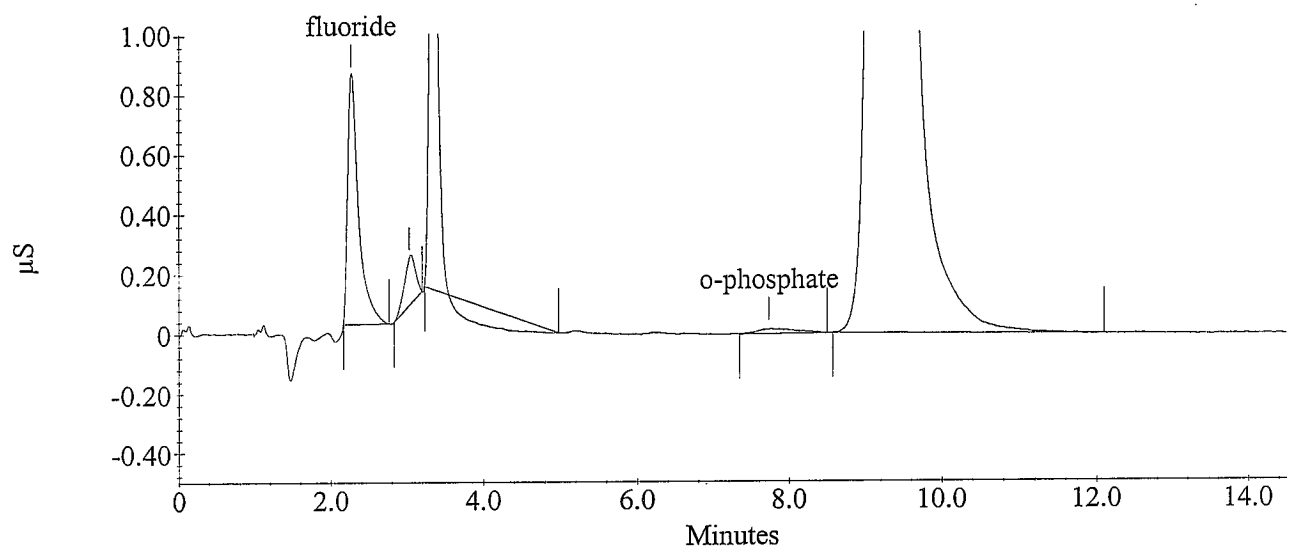
Sample Name : HEN59
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN59_021.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 21
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 6:58:37 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN59



HEN59



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN59
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN59_021.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 6:58:37 PM
Sample Weight : 1.00000
Injection Number : 21
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.78	83409	8284
chloride	3.33	1.02	104271	19369
nitrite				
bromide				
nitrate				
o-phosphate	7.73	0.06	5655	152
sulfate	9.23	67.44	4519313	219927

Peak Information : Unknown Peaks

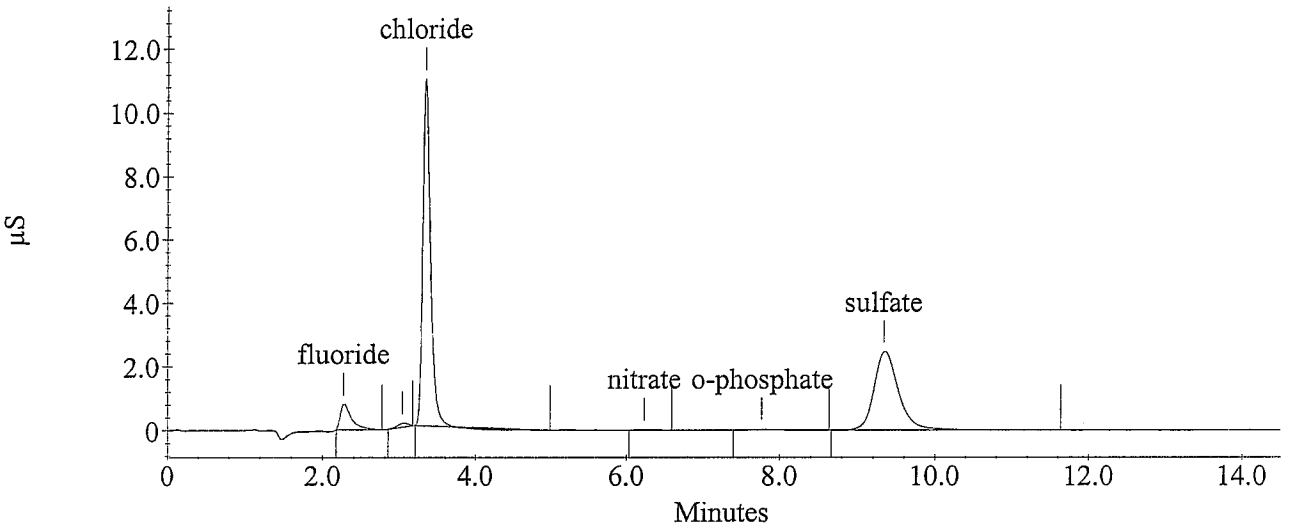
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	16248	1554

STL North Canton Ion Chromatography Analysis Report

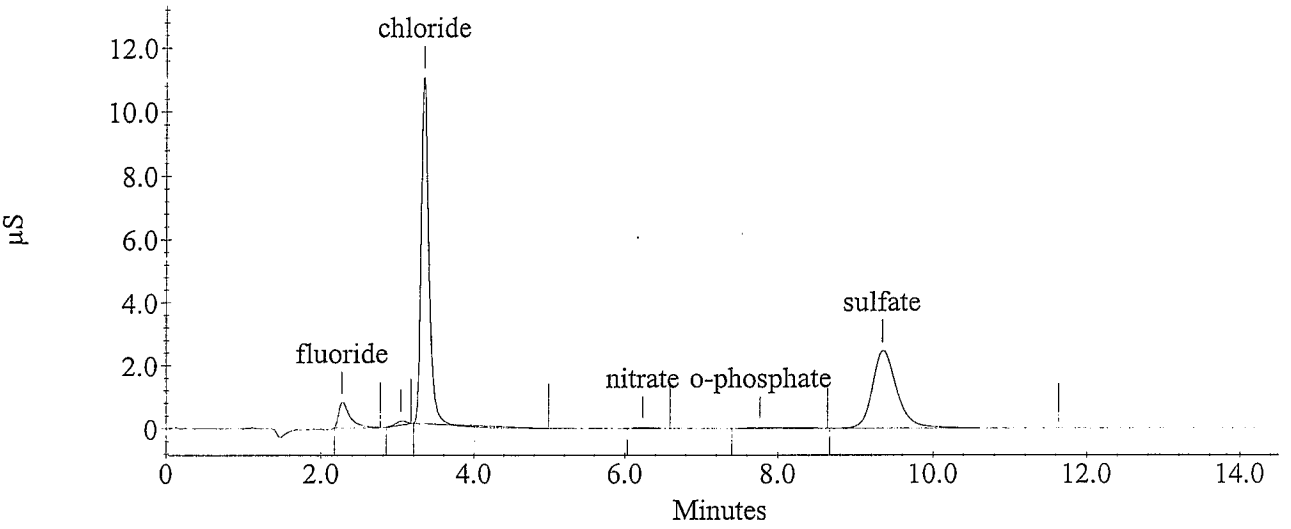
Sample Name : HEN50
Data File Name : C:\PEAKNET\DATA\DX-120 DATA\063005\HEN50_022.DXD

Method File Name : ...\DX120 062105.met	Injection Number : 22
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 7:15:34 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN50



HEN50



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN50
Data File Name : C:\PEAKNET\DATA\DX-120 DATA\063005\HEN50_022.DXD

Method File Name : ...\DX120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 7:15:34 PM
Sample Weight : 1.00000

Injection Number : 22
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.74	79927	7868
chloride	3.33	7.31	750918	108981
nitrite				
bromide				
nitrate	6.23	0.02	2969	200
o-phosphate	7.77	0.11	9151	241
sulfate	9.33	8.41	535870	24447

Peak Information : Unknown Peaks

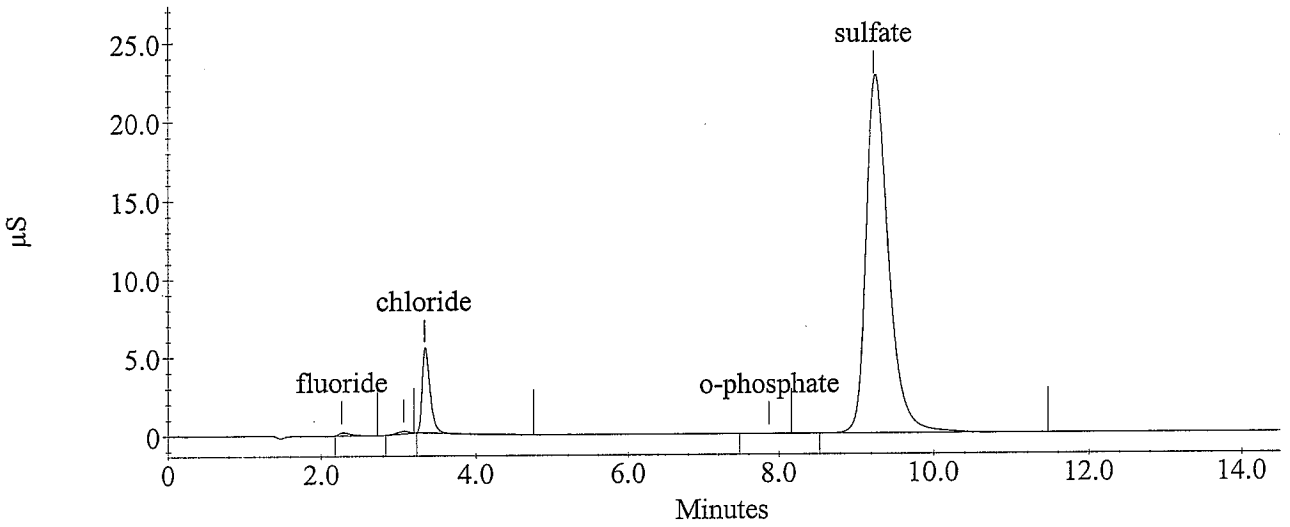
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	11817	1265

STL North Canton Ion Chromatography Analysis Report

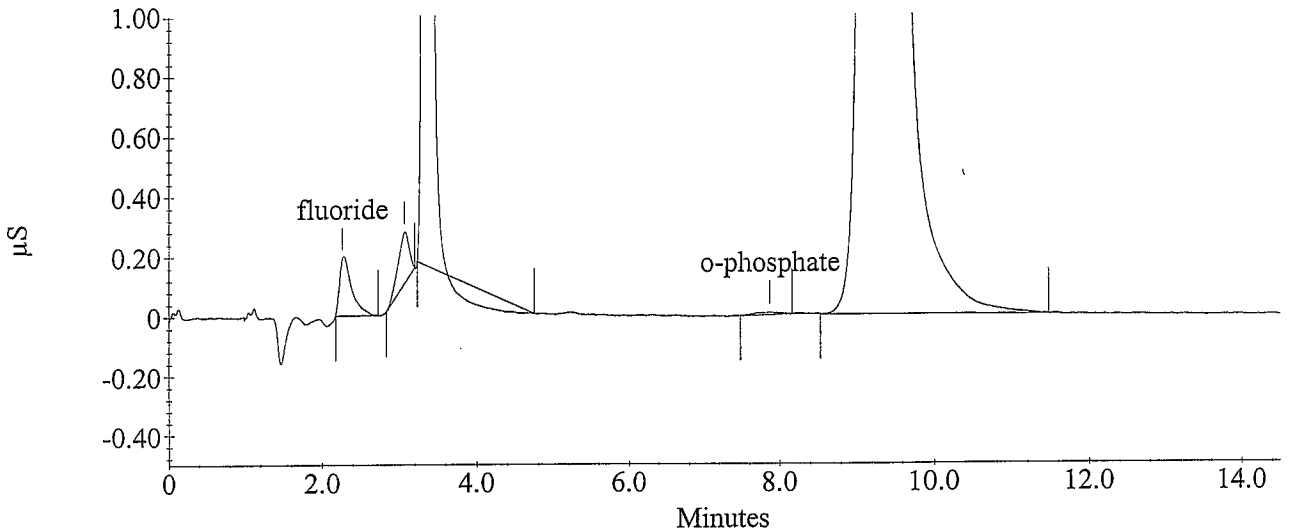
Sample Name : HEN6P
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6P_023.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 23
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 7:32:28 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN6P



HEN6P



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN6P
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6P_023.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 7:32:28 PM
Sample Weight : 1.00000
Injection Number : 23
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.20	21402	1870
chloride	3.33	3.44	352763	52083
nitrite				
bromide				
nitrate				
o-phosphate	7.87	0.02	1810	78
sulfate	9.23	68.90	4623830	222950

Peak Information : Unknown Peaks

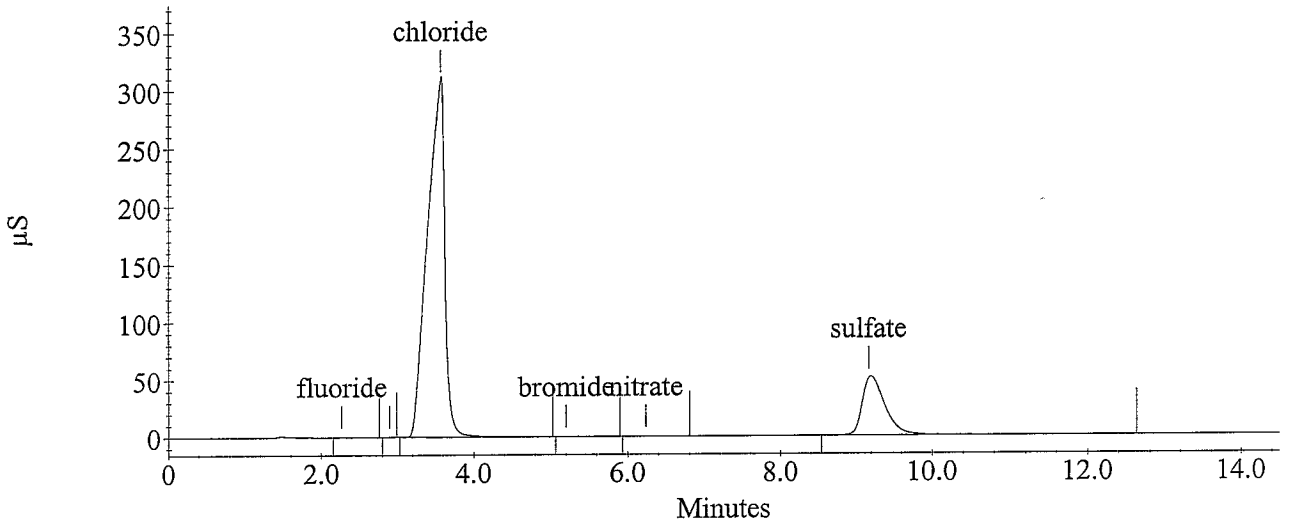
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.07	0.00	16787	1703

STL North Canton Ion Chromatography Analysis Report

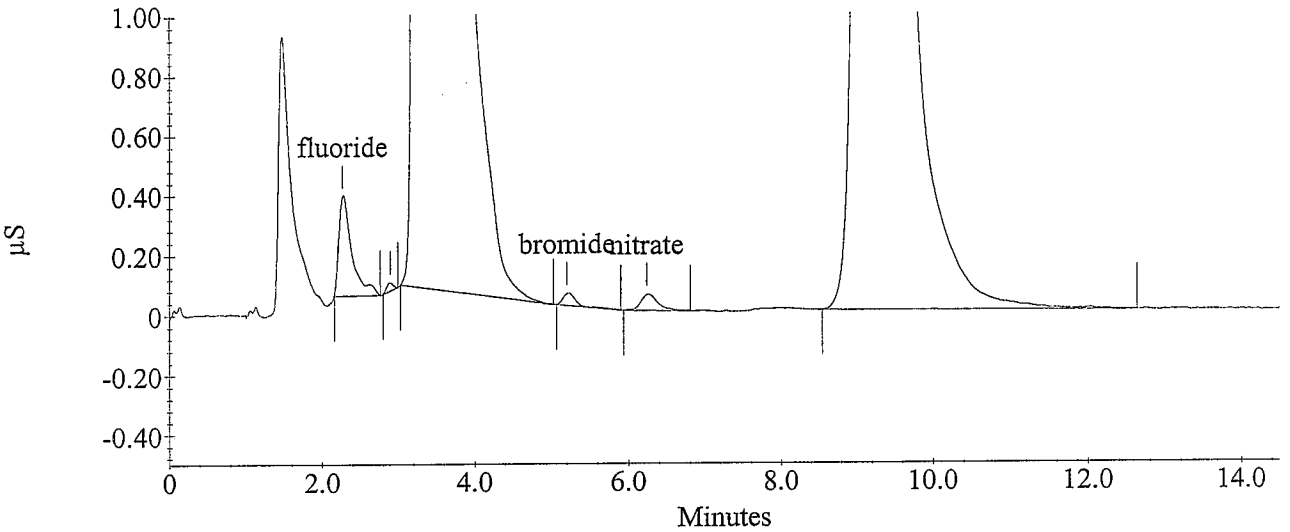
Sample Name : HEN6W
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6W_024.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 24
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 7:49:21 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN6W



HEN6W



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN6W
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6W_024.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 7:49:21 PM
Sample Weight : 1.00000
Injection Number : 24
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.38	40187	3285
chloride	3.57	343.93	48519500	3075574
nitrite				
bromide	5.20	0.14	4618	384
nitrate	6.23	0.05	8263	521
o-phosphate				
sulfate	9.17	144.51	10493156	495535

Peak Information : Unknown Peaks

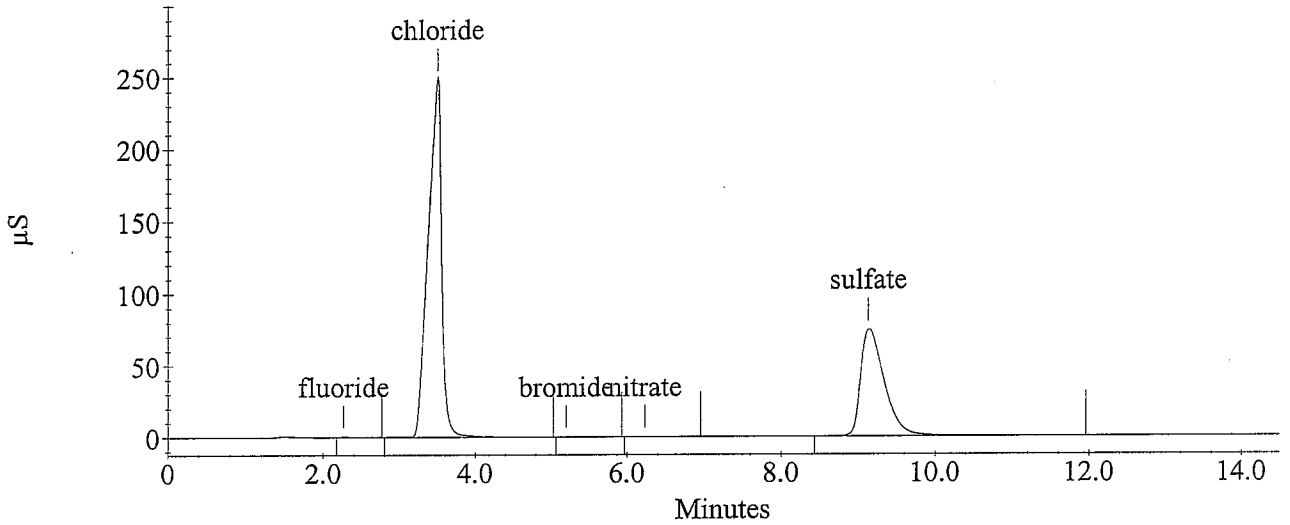
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.90	0.00	1630	262

STL North Canton Ion Chromatography Analysis Report

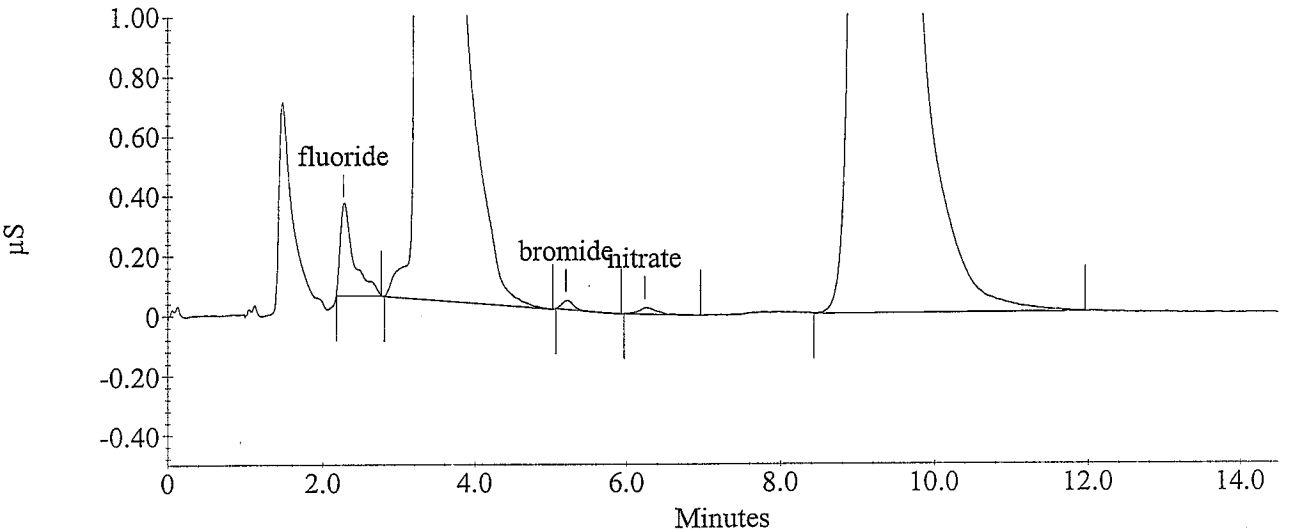
Sample Name : HEN65
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN65_025.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 25
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 8:06:20 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN65



HEN65



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN65
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN65_025.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 8:06:20 PM
Sample Weight : 1.00000

Injection Number : 25
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.36	38198	2982
chloride	3.50	247.90	30702706	2477505
nitrite				
bromide	5.20	0.09	2813	283
nitrate	6.23	0.02	3483	203
o-phosphate				
sulfate	9.13	201.80	15836114	743921

Peak Information : Unknown Peaks

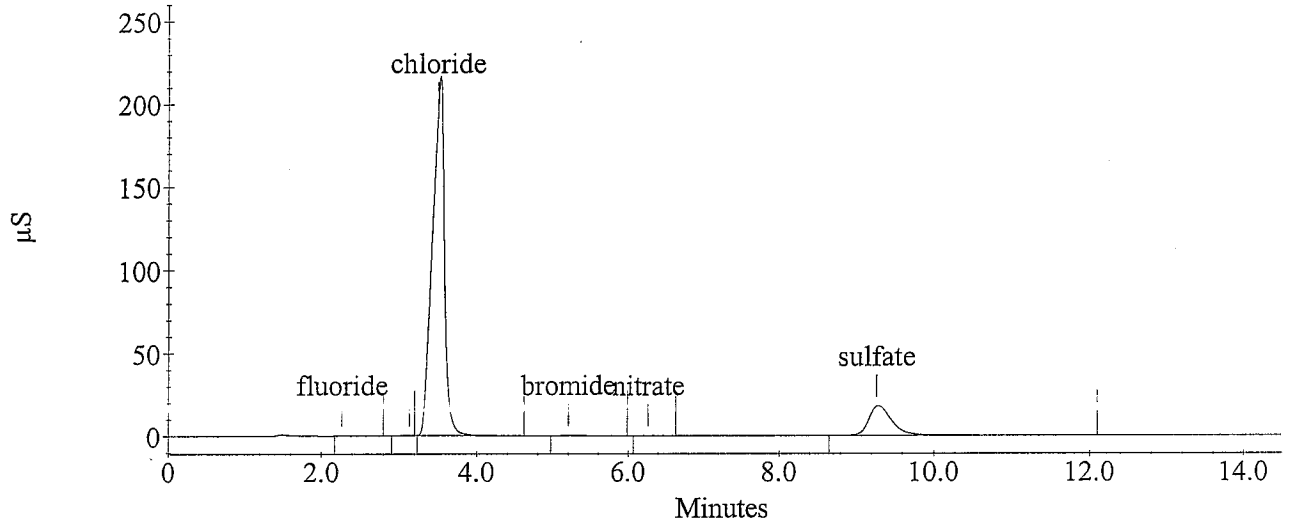
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

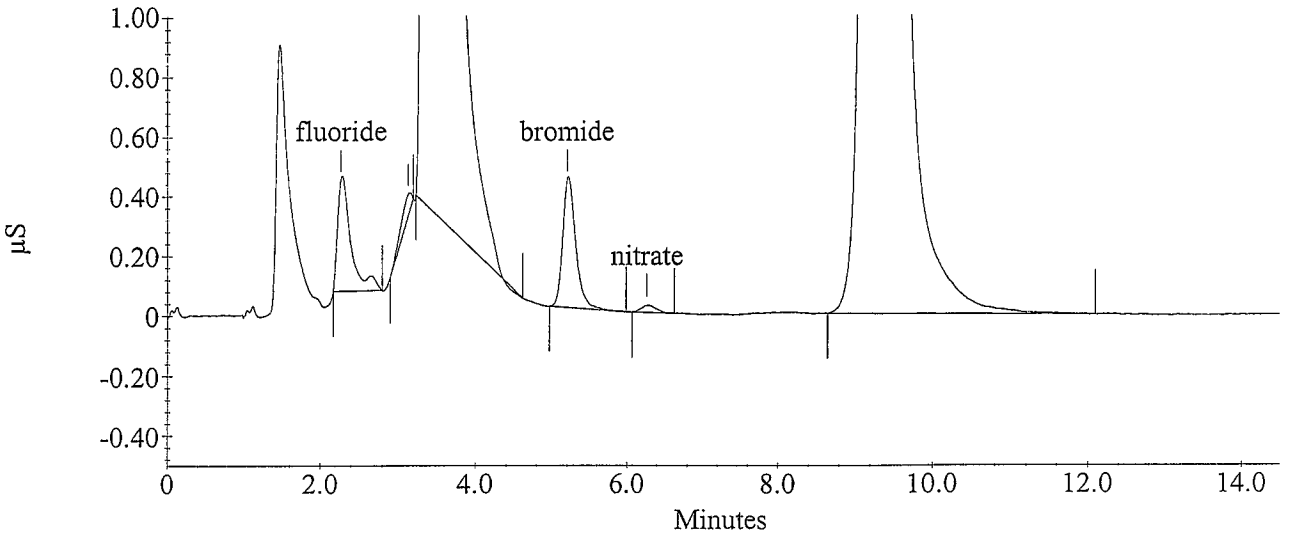
Sample Name : HEN68
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN68_026.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 26
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 8:23:19 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN68



HEN68



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN68
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN68_026.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 8:23:19 PM
Sample Weight : 1.00000

Injection Number : 26
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.43	45931	3676
chloride	3.50	196.09	23079526	1938831
nitrite				
bromide	5.20	1.62	52100	4229
nitrate	6.27	0.02	3241	234
o-phosphate				
sulfate	9.27	55.42	3673814	176598

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.13	0.00	7292	726

STL North Canton
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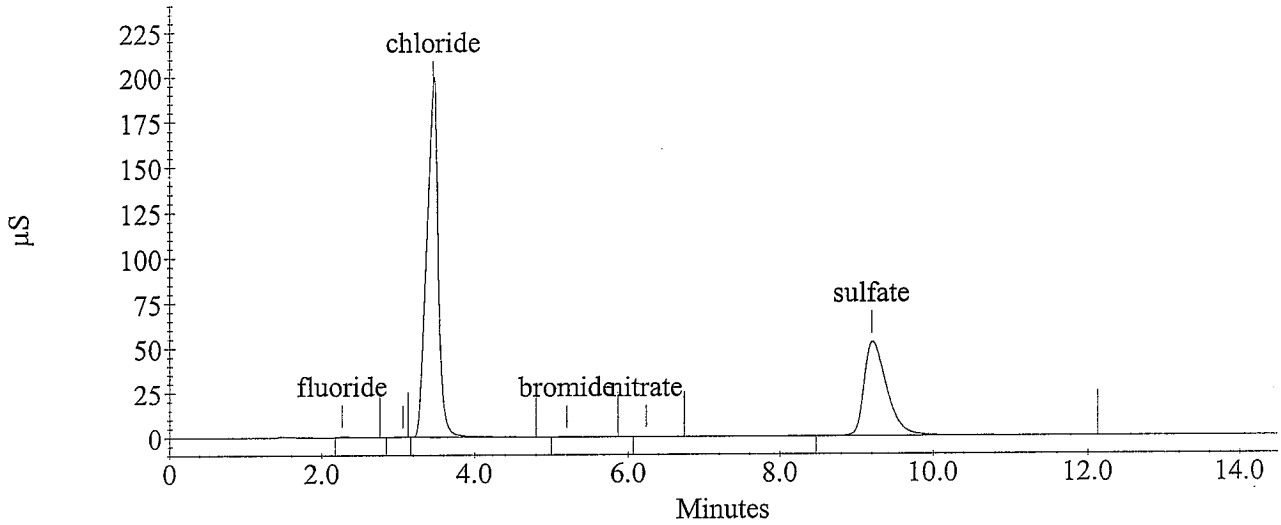
STL North Canton Ion Chromatography Analysis Report

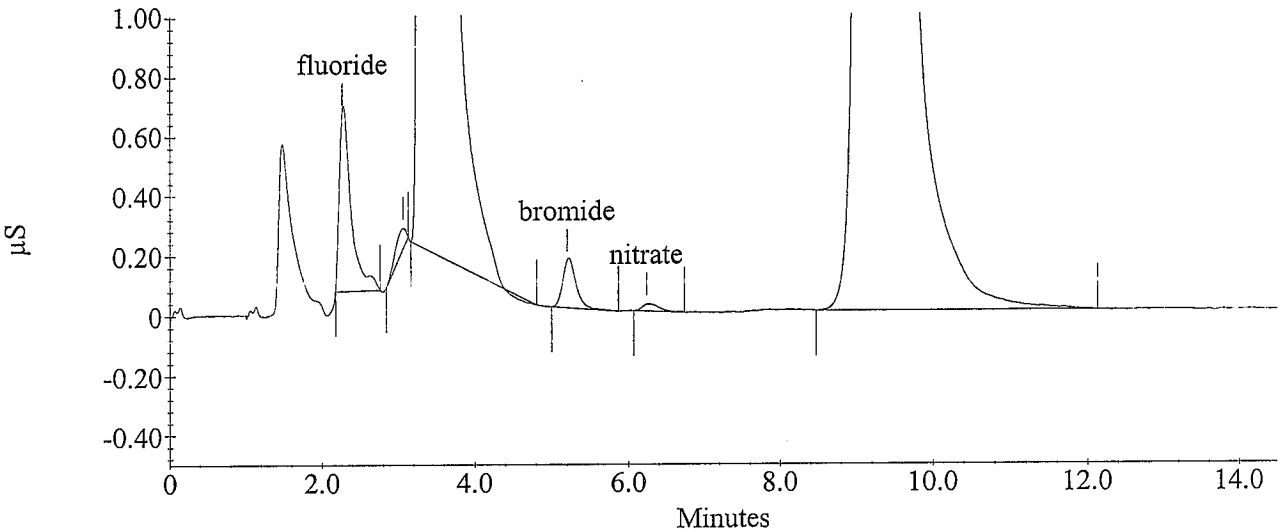
Sample Name : HEN7D
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7D_027.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 27
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 8:40:19 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN7D



HEN7D



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7D
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7D_027.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 8:40:19 PM
Sample Weight : 1.00000
Injection Number : 27
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.62	67019	5906
chloride	3.47	178.24	20652327	1908814
nitrite				
bromide	5.20	0.61	19674	1561
nitrate	6.23	0.02	3577	220
o-phosphate				
sulfate	9.20	148.26	10814047	521255

Peak Information : Unknown Peaks

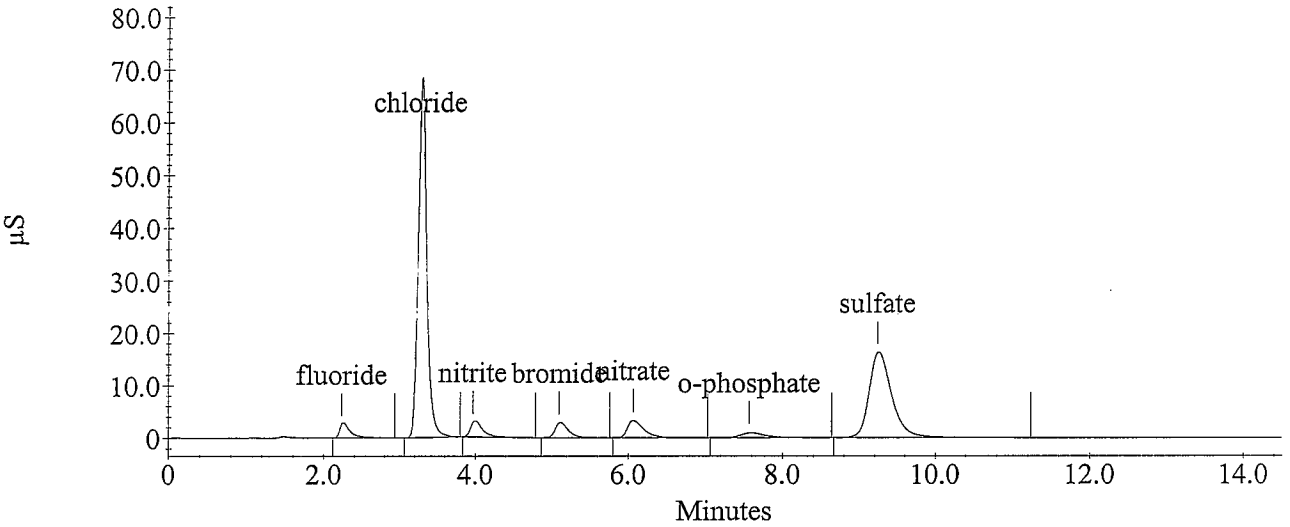
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.07	0.00	7272	678

STL North Canton Ion Chromatography Analysis Report

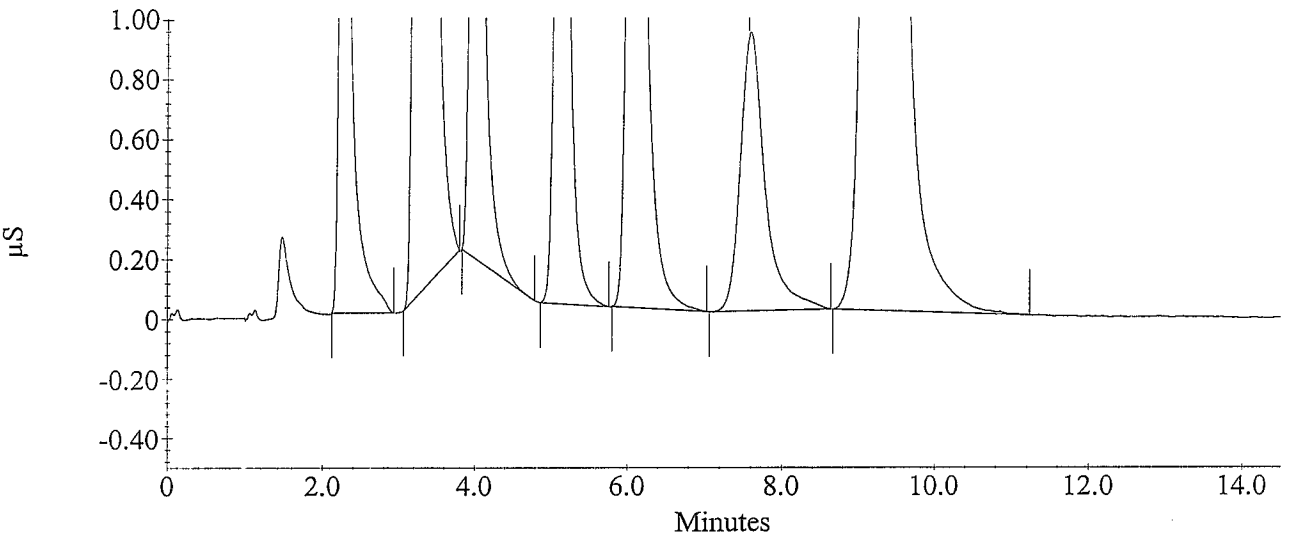
Sample Name : CCV #2
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #2_028.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 28
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 8:57:20 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #2



CCV #2



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #2
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #2_028.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 28
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 8:57:20 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.51	275754	25031
chloride	3.27	50.36	5313096	541300
nitrite	3.97	2.45	333871	27101
bromide	5.10	10.30	339610	27436
nitrate	6.07	2.58	482132	32340
o-phosphate	7.57	2.39	204436	9002
sulfate	9.23	50.20	3312316	160559

Peak Information : Unknown Peaks

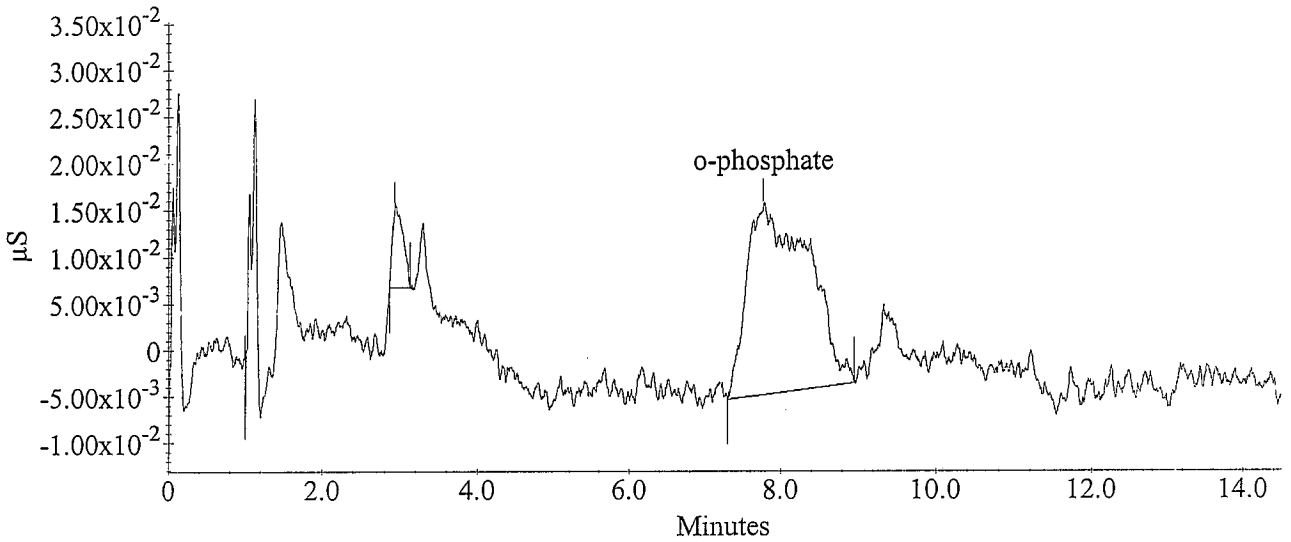
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

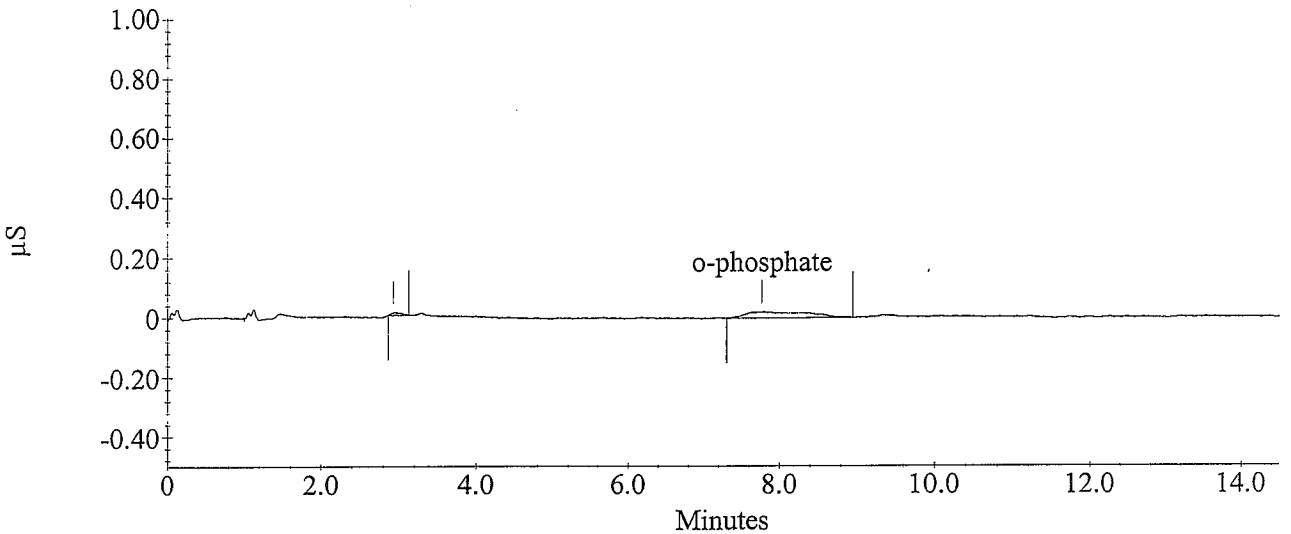
Sample Name : CCB #2
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #2_029.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 29
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 9:14:15 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #2



CCB #2



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #2
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #2_029.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 9:14:15 PM
Sample Weight : 1.00000

Injection Number : 29
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	833	79
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.77	0.13	11337	197
sulfate				

Peak Information : Unknown Peaks

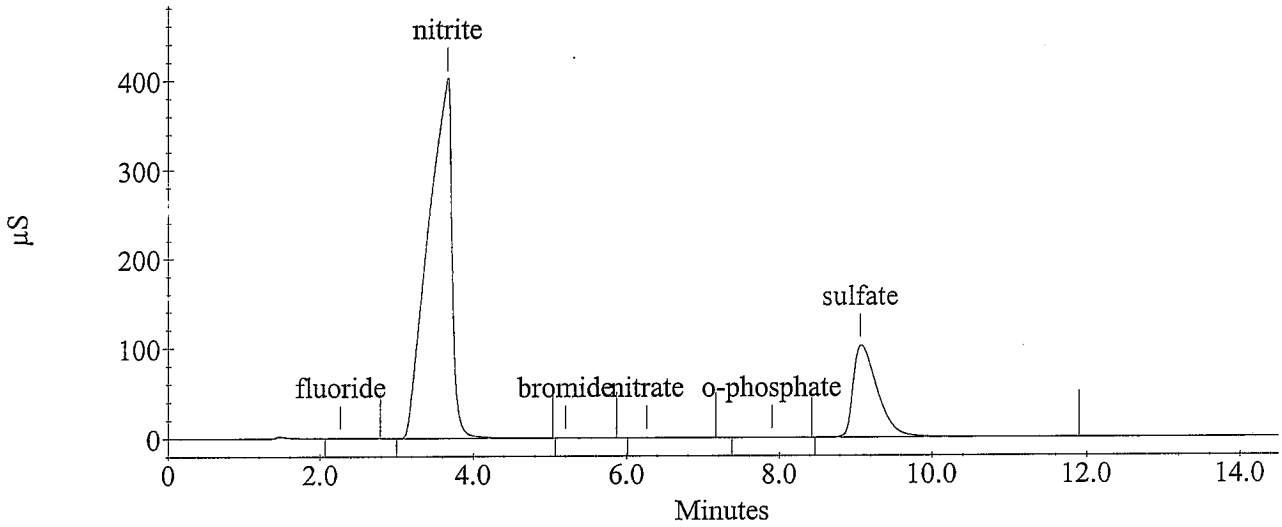
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	833	79

STL North Canton Ion Chromatography Analysis Report

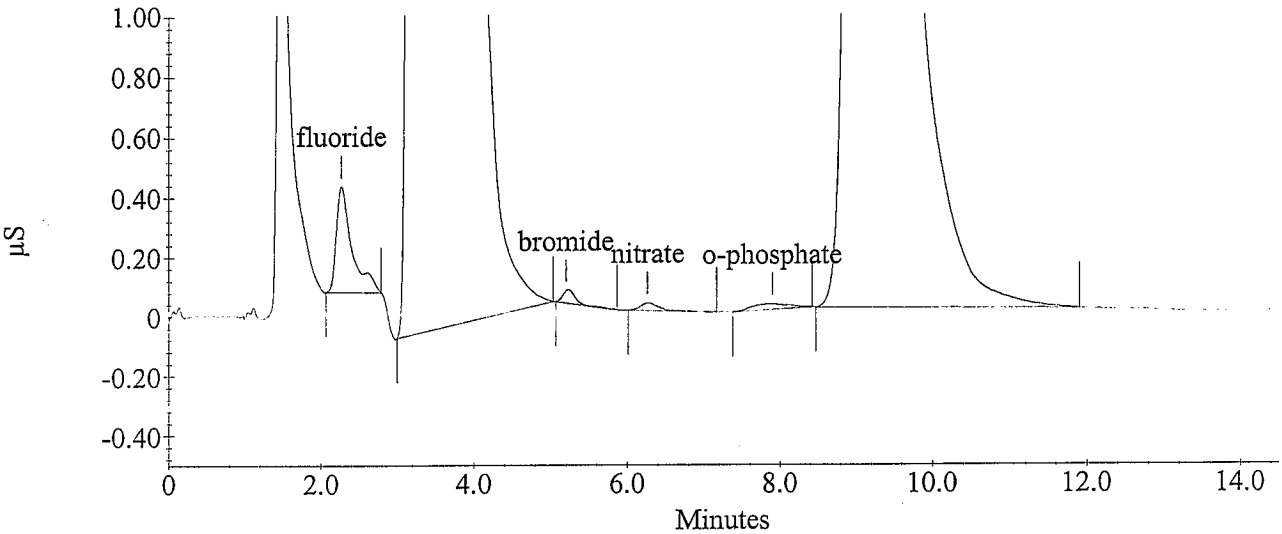
Sample Name : HEPDT
Data File Name : c:\peaknet\data\dx-120 data\063005\HEPDT_030.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 30
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 9:31:06 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEPDT



HEPDT



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPDT
Data File Name : c:\peaknet\data\dx-120 data\063005\HEPDT_030.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 9:31:06 PM
Sample Weight : 1.00000
Injection Number : 30
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.47	50863	3517
chloride				
nitrite	3.67	-4627.68	85355451	4005325
bromide	5.20	0.16	5105	409
nitrate	6.27	0.02	3995	250
o-phosphate	7.90	0.07	6488	184
sulfate	9.07	256.57	22322600	1009329

Peak Information : Unknown Peaks

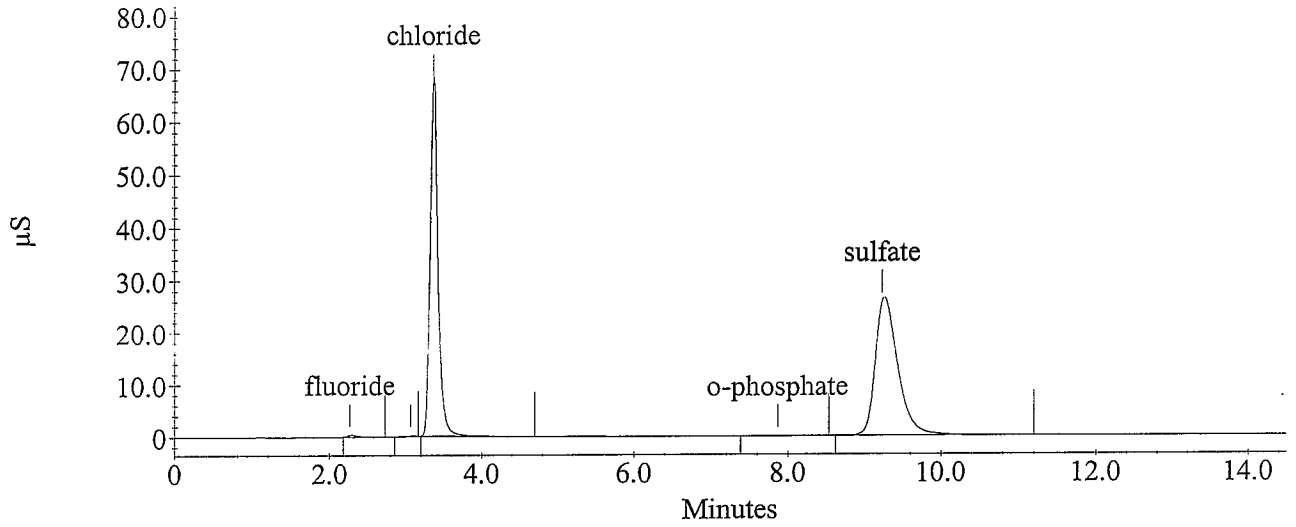
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

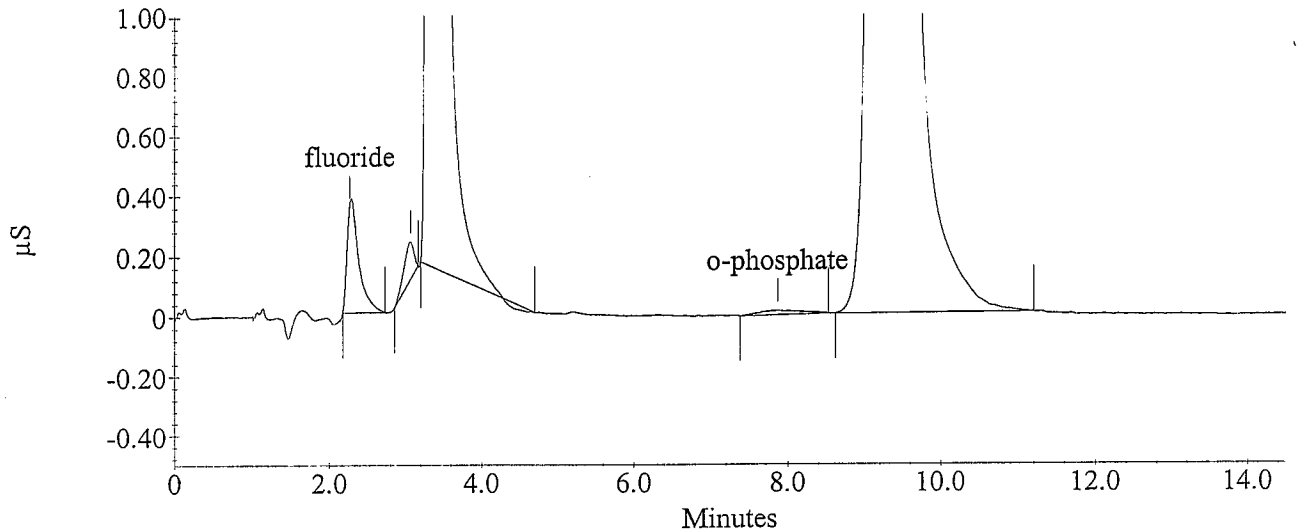
Sample Name : HDN7F ORG
Data File Name : c:\peaknet\data\dx-120 data\063005\HDN7F ORG_031.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 31
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 9:48:00 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HDN7F ORG



HDN7F ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : HDN7F ORG
Data File Name : c:\peaknet\data\dx-120 data\063005\HDN7F ORG_031.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 31
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 9:48:00 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.37	39635	3480
chloride	3.37	46.89	4935431	665925
nitrite				
bromide				
nitrate				
o-phosphate	7.87	0.06	5563	140
sulfate	9.23	79.13	5361222	255898

Peak Information : Unknown Peaks

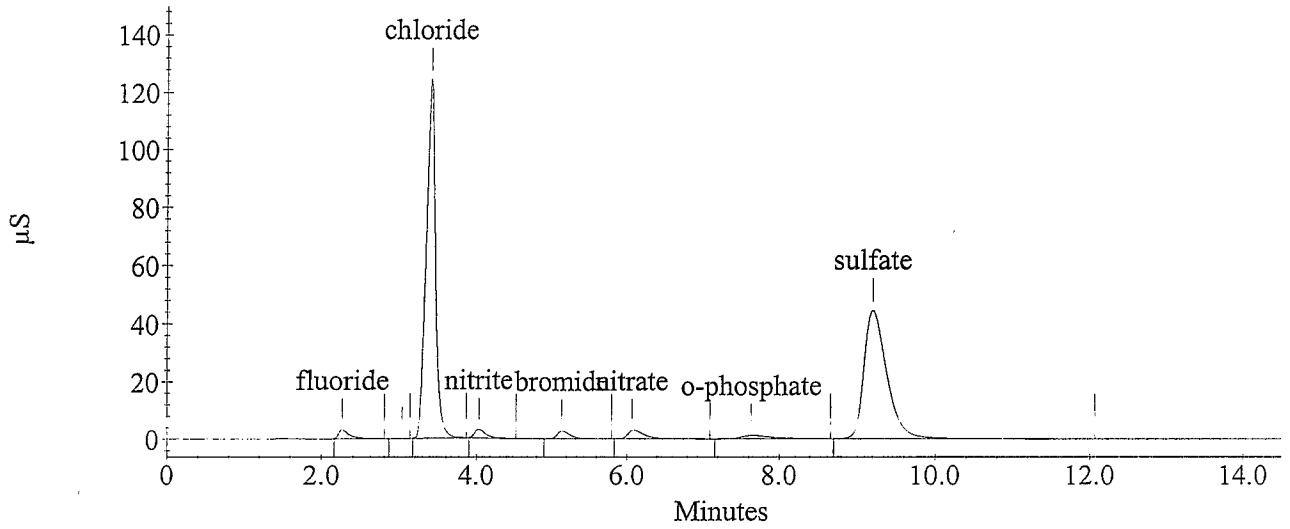
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.07	0.00	11436	1239

STL North Canton Ion Chromatography Analysis Report

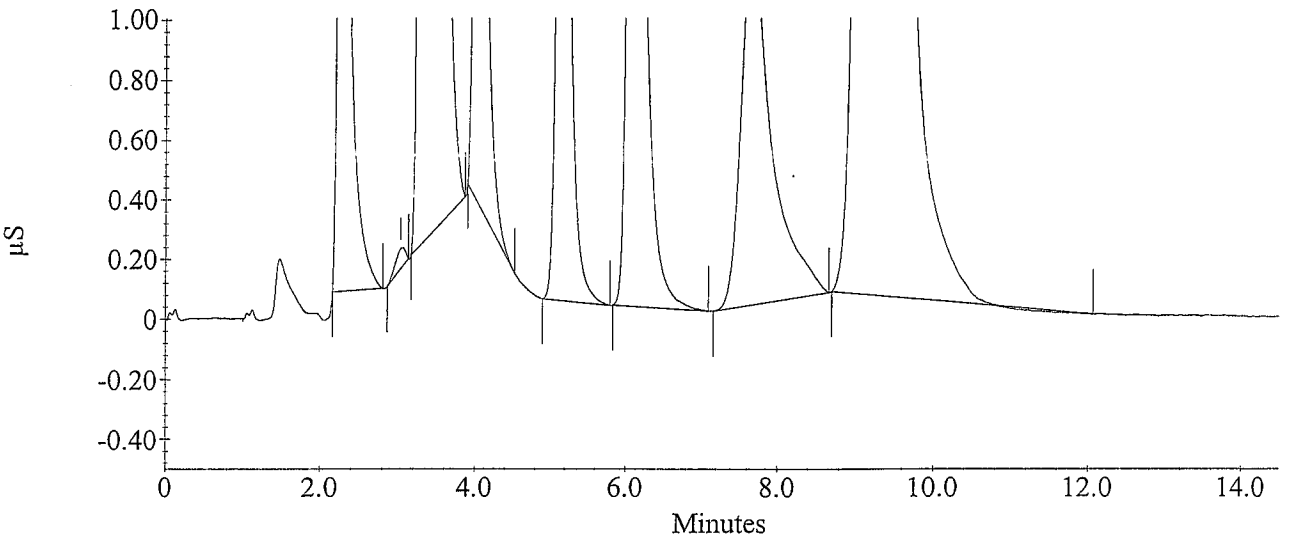
Sample Name : HEN7F MS
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7F MS_032.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 32
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 10:05:01 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN7F MS



HEN7F MS



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7F MS
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7F MS_032.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 6/30/05 10:05:01 PM
Sample Weight : 1.00000
Injection Number : 32
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	2.63	289050	30516
chloride	3.40	96.18	10460211	1240659
nitrite	4.03	2.19	296834	29764
bromide	5.13	9.66	317980	26841
nitrate	6.07	2.42	451269	29079
o-phosphate	7.63	3.92	331850	11982
sulfate	9.20	126.47	8995121	443174

Peak Information : Unknown Peaks

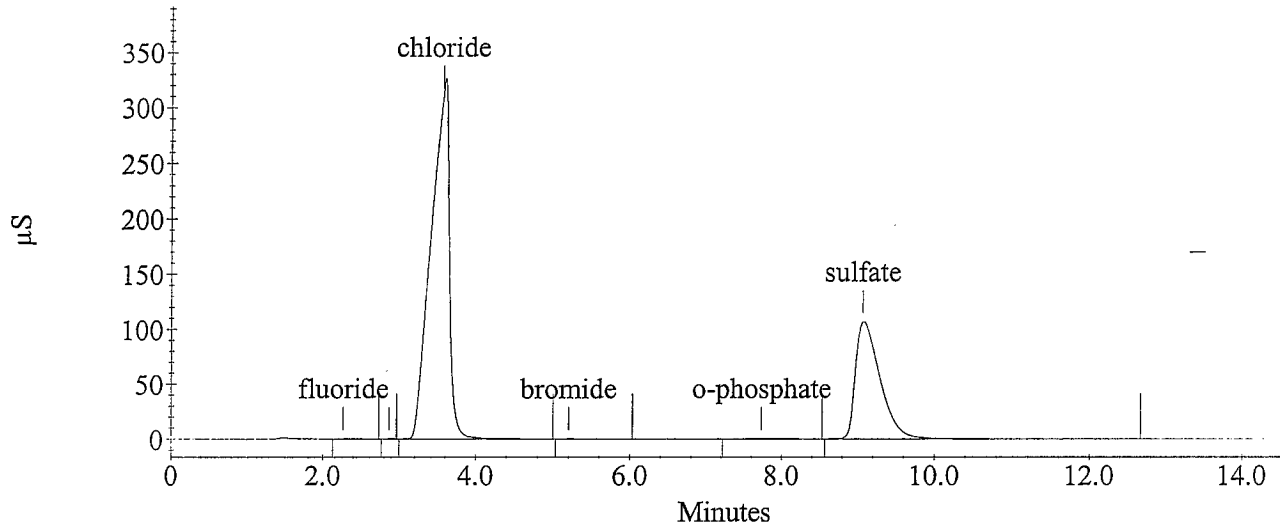
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	5820	669

STL North Canton Ion Chromatography Analysis Report

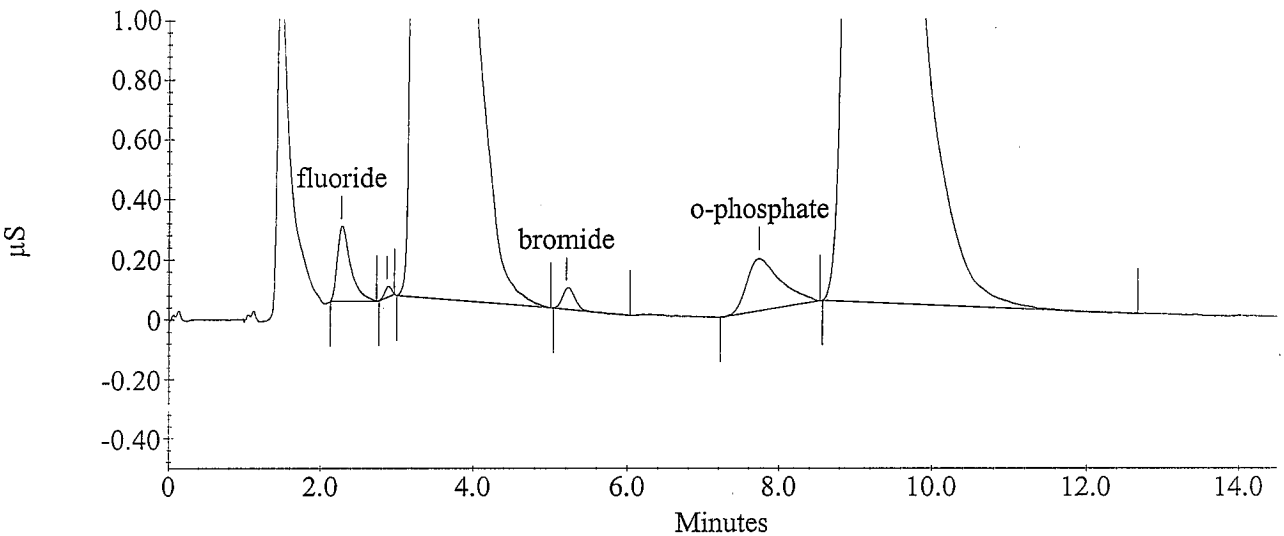
Sample Name : HEN7M
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7M_033.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 33
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 10:21:57 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN7M



HEN7M



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7M
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7M_033.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 33
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 10:21:57 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.28	30158	2422
chloride	3.57	366.11	53923670	3087233
nitrite				
bromide	5.20	0.25	8087	662
nitrate				
o-phosphate	7.73	0.62	53823	1733
sulfate	9.07	265.65	23629909	1060321

Peak Information : Unknown Peaks

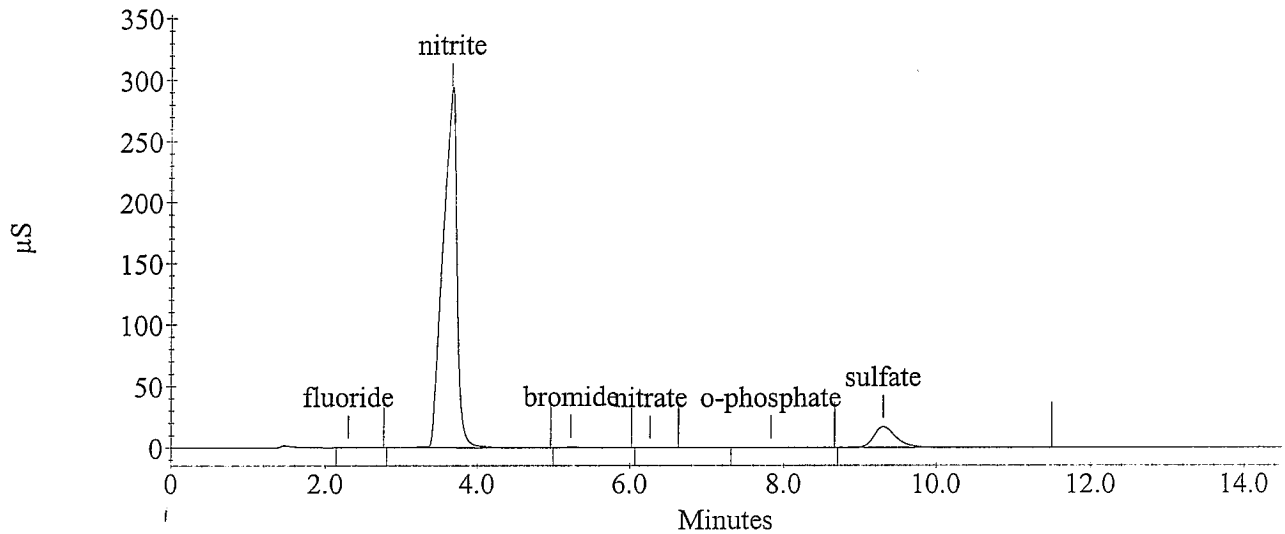
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.87	0.00	2044	307

STL North Canton Ion Chromatography Analysis Report

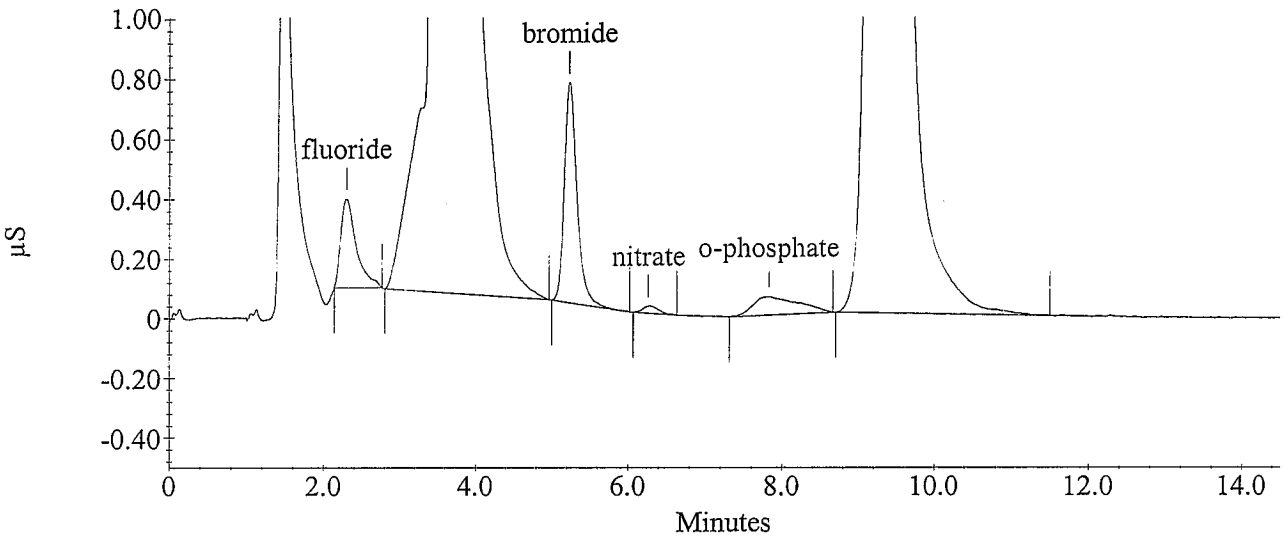
Sample Name : HEN7K
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7K_034.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 34
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 10:38:55 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN7K



HEN7K



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7K
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7K_034.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 34
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 10:38:55 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.30	0.40	42286	2967
chloride				
nitrite	3.67	-726.00	37333884	2871563
bromide	5.23	2.64	84990	7323
nitrate	6.27	0.02	3505	243
o-phosphate	7.83	0.29	24933	606
sulfate	9.30	51.81	3423932	168259

Peak Information : Unknown Peaks

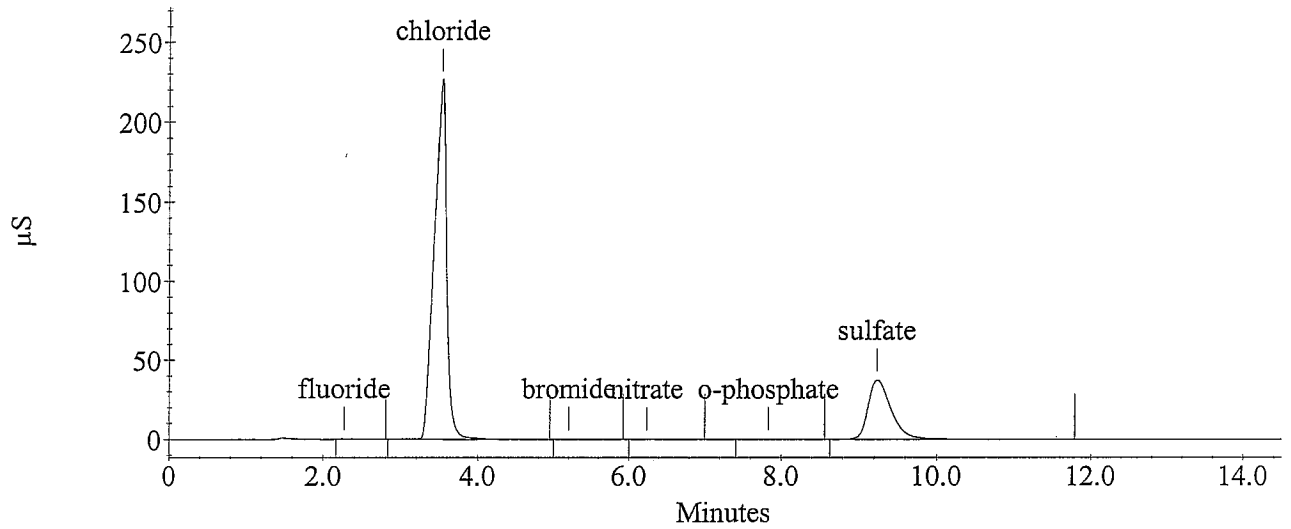
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

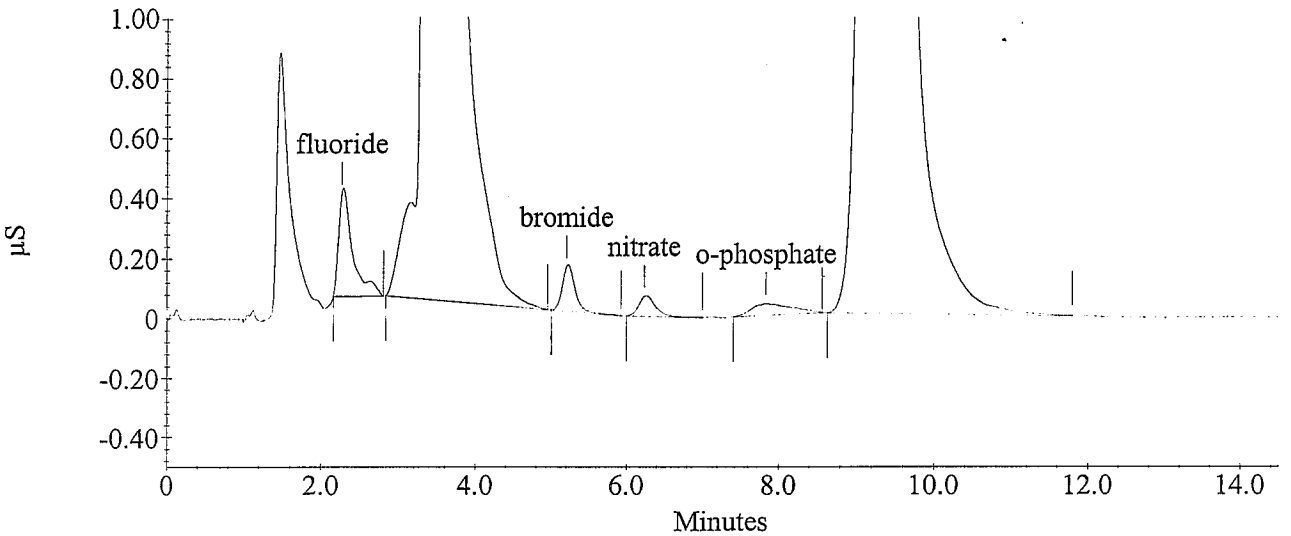
Sample Name : HEN7H
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7H_035.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 35
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 10:55:55 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN7H



HEN7H



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7H
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7H_035.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 35
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 10:55:55 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.42	44942	3398
chloride	3.53	211.11	25194611	2256298
nitrite				
bromide	5.20	0.57	18395	1458
nitrate	6.23	0.06	10714	667
o-phosphate	7.83	0.16	14042	386
sulfate	9.23	107.77	7512215	370302

Peak Information : Unknown Peaks

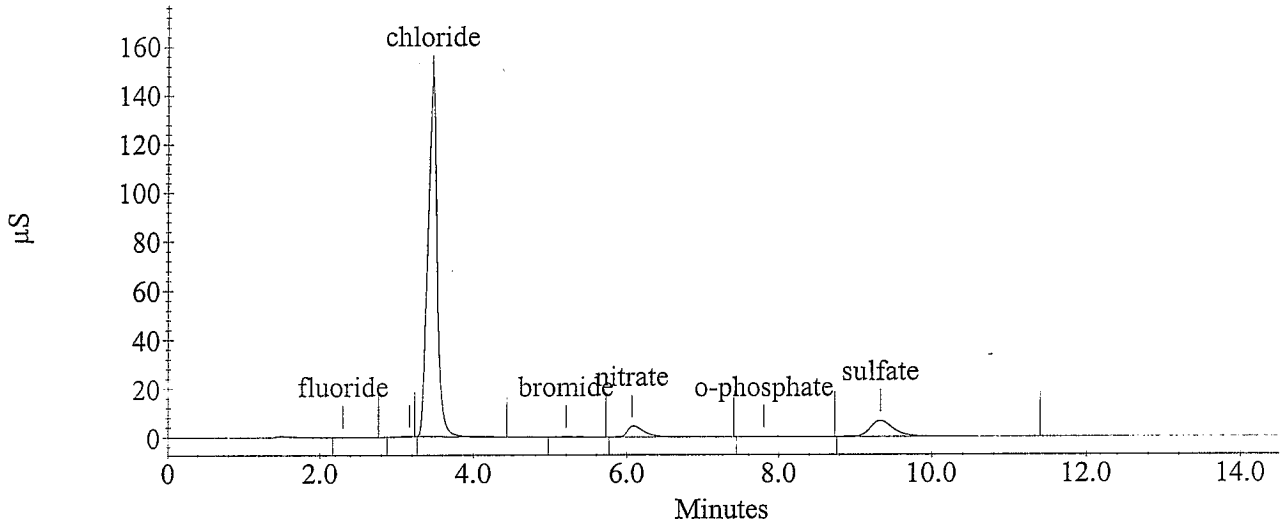
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

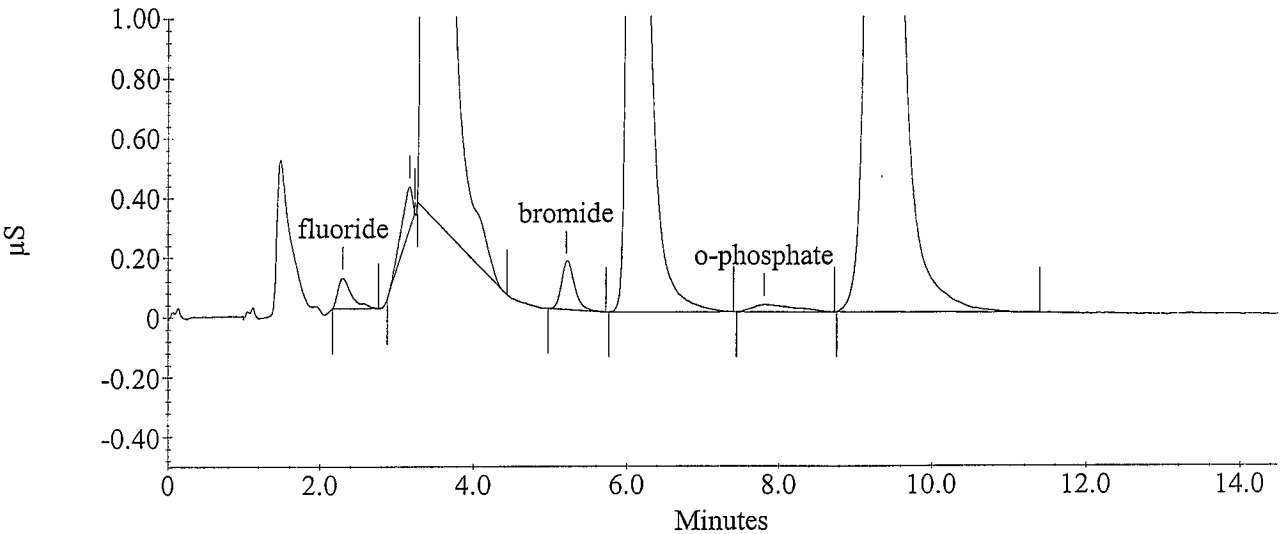
Sample Name : HEN7P
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7P_036.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 36
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 11:12:51 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEN7P



HEN7P



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7P
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7P_036.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 36
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 11:12:51 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.30	0.12	12759	1012
chloride	3.47	112.12	12333847	1424274
nitrite				
bromide	5.20	0.60	19144	1565
nitrate	6.07	3.47	655675	42839
o-phosphate	7.80	0.11	9433	235
sulfate	9.33	20.90	1345580	64136

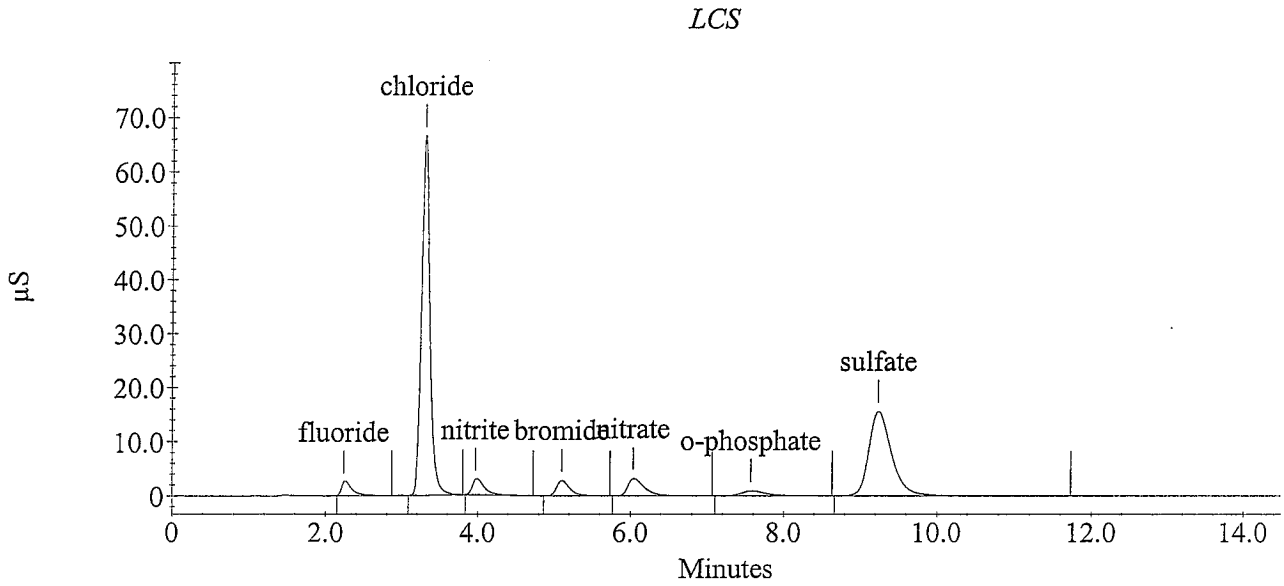
Peak Information : Unknown Peaks

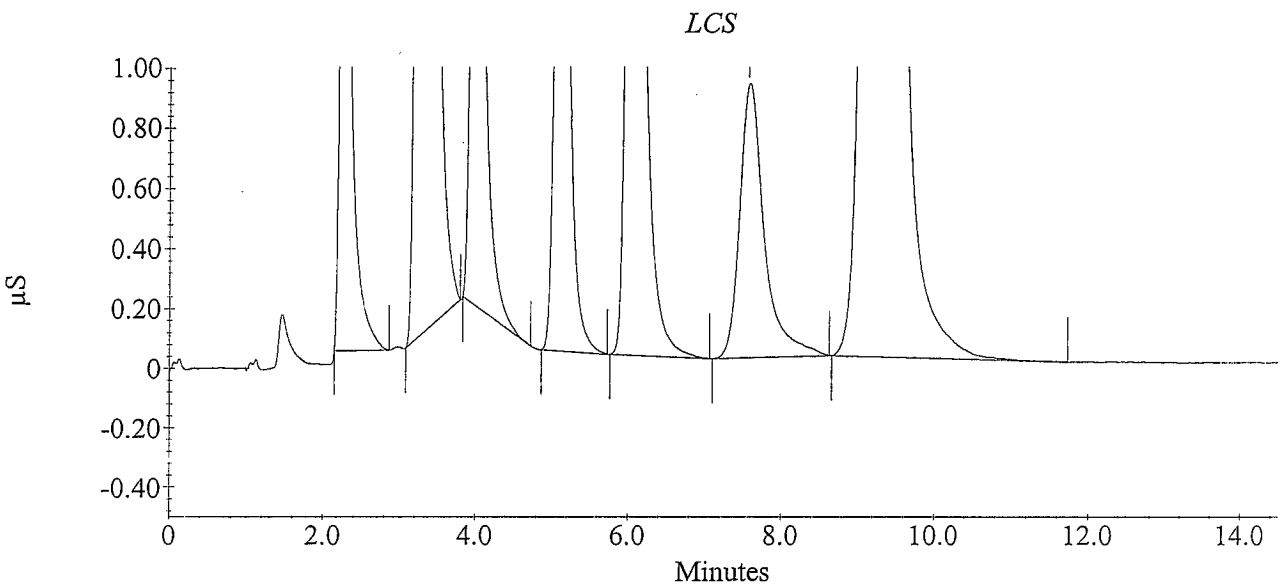
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.17	0.00	14564	1418

STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS_037.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 37
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 11:29:52 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS_037.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 37
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 11:29:52 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.26	247521	24254
chloride	3.30	48.12	5069058	663404
nitrite	3.97	2.36	321125	27653
bromide	5.10	9.90	326121	27724
nitrate	6.03	2.50	465553	31087
o-phosphate	7.57	2.38	203248	9009
sulfate	9.23	48.06	3165310	155235

Peak Information : Unknown Peaks

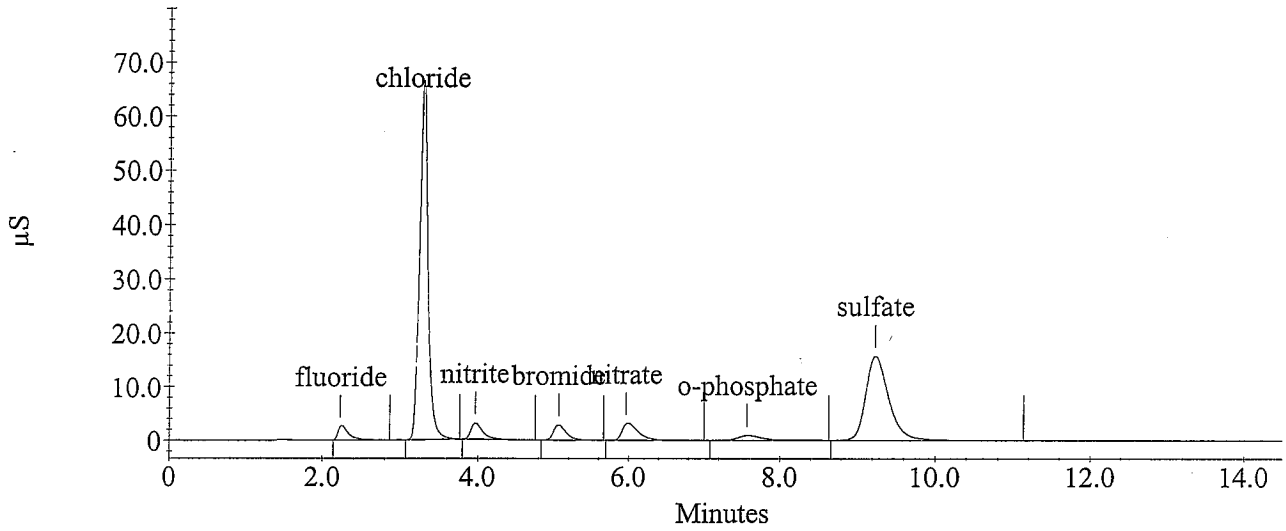
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

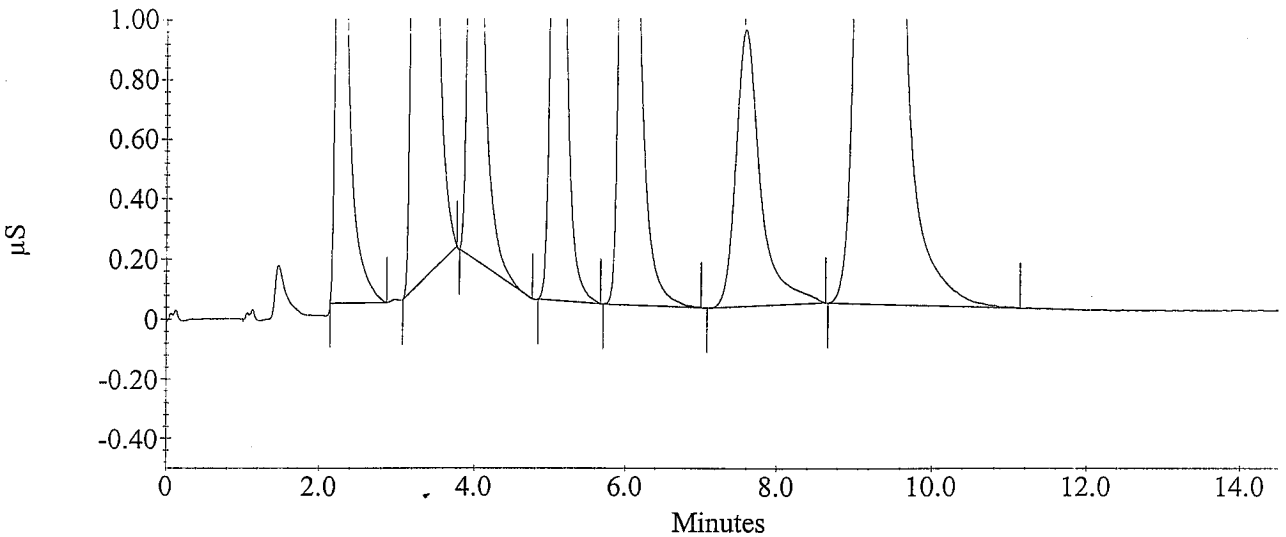
Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS DUP_038.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 38
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 11:46:54 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS DUP



LCS DUP



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS DUP
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS DUP_038.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 38
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 6/30/05 11:46:54 PM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.28	248769	24856
chloride	3.27	48.04	5060158	576400
nitrite	3.97	2.39	324916	30107
bromide	5.07	9.87	325120	28053
nitrate	5.97	2.49	464675	29973
o-phosphate	7.57	2.39	204845	9064
sulfate	9.23	48.07	3165841	155885

Peak Information : Unknown Peaks

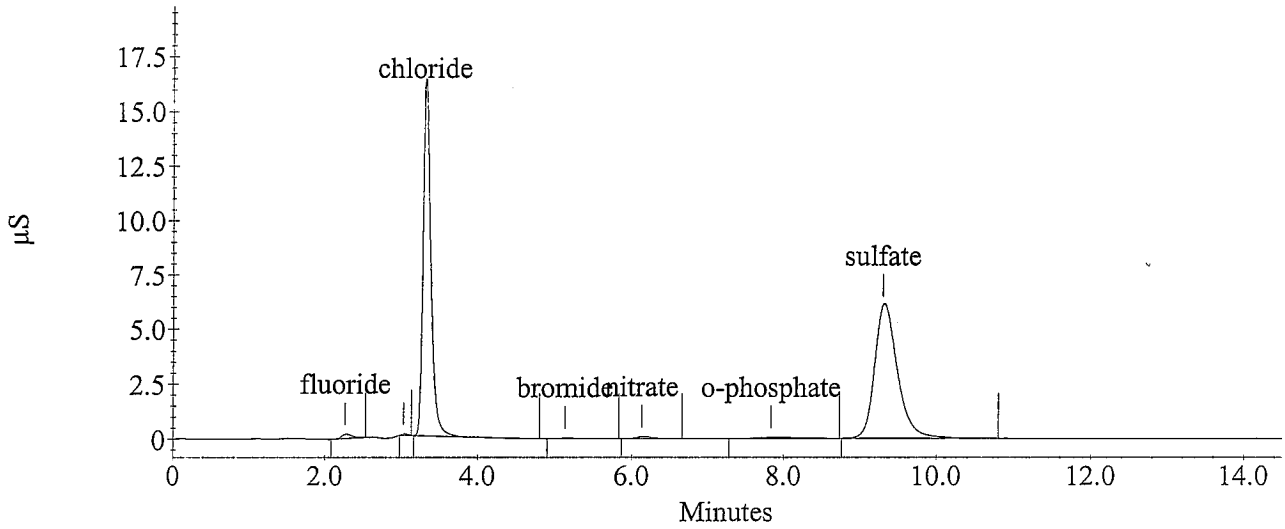
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

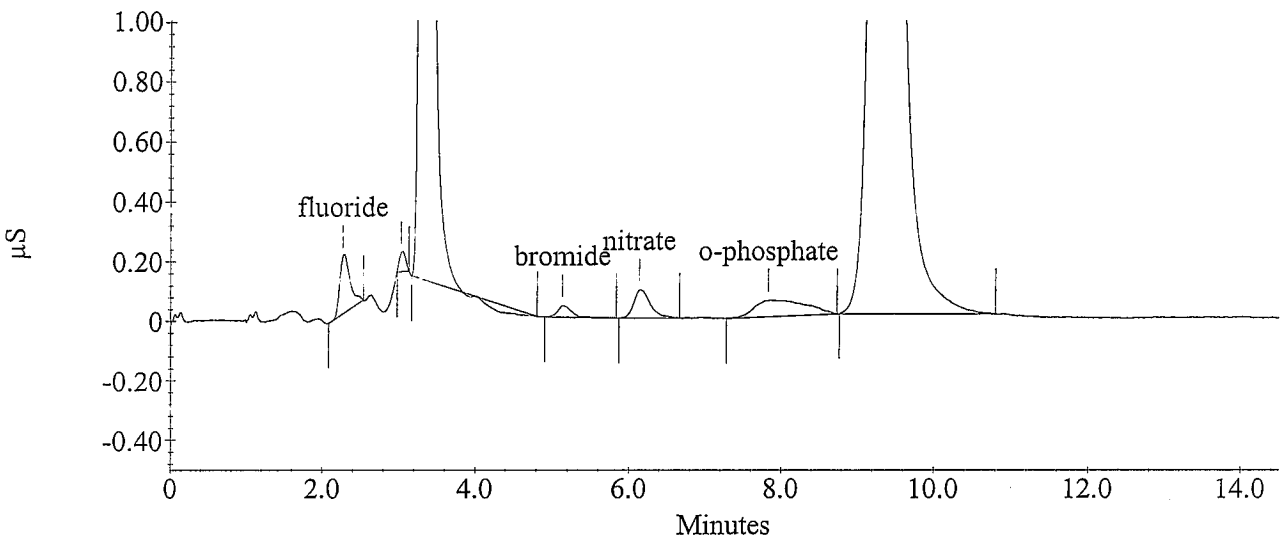
Sample Name : MW-76 ORG
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-76 ORG_039.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 39
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 12:03:48 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-76 ORG



MW-76 ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-76 ORG
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-76 ORG_039.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 39
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 12:03:48 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.17	18197	1898
chloride	3.30	11.09	1142451	145058
nitrite				
bromide	5.13	0.15	4900	383
nitrate	6.13	0.08	14138	929
o-phosphate	7.83	0.29	25618	542
sulfate	9.30	19.82	1274983	60446

Peak Information : Unknown Peaks

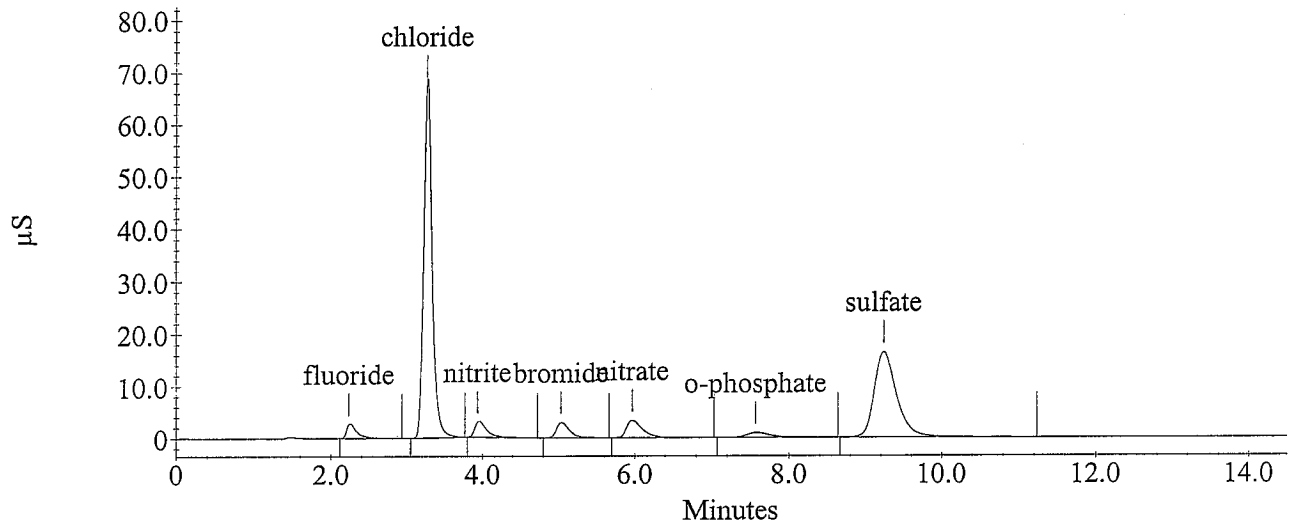
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	3729	627

STL North Canton Ion Chromatography Analysis Report

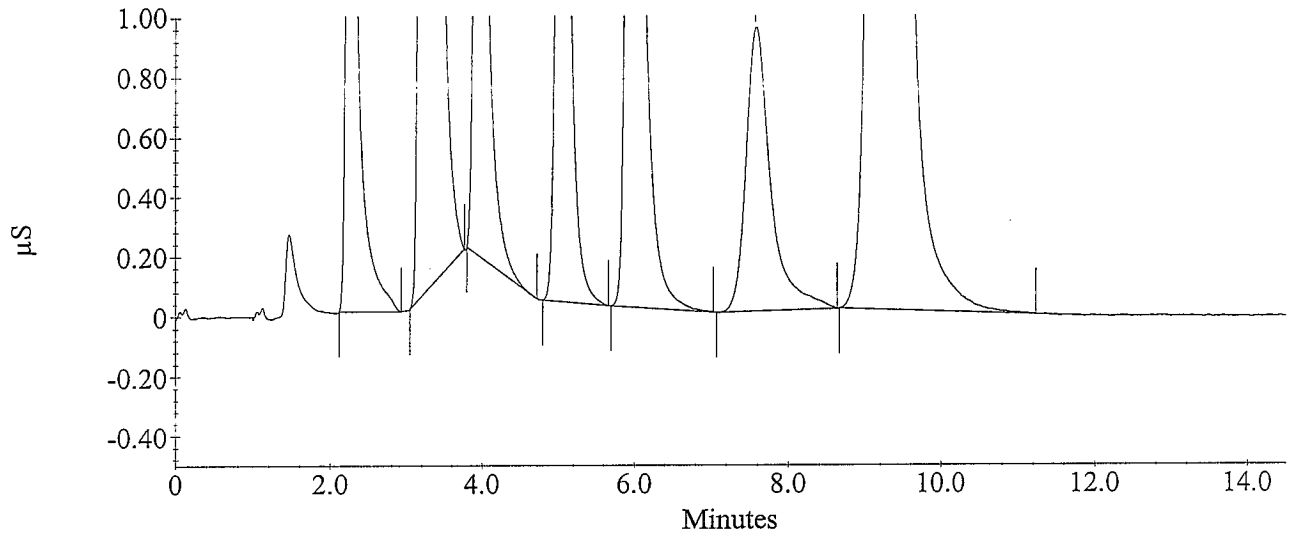
Sample Name : CCV #3
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #3_040.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 40
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 12:20:43 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #3



CCV #3



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #3
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #3_040.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 40
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 12:20:43 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.49	272622	26693
chloride	3.27	50.26	5302072	670356
nitrite	3.93	2.44	332121	28650
bromide	5.03	10.26	338097	28840
nitrate	5.97	2.59	482570	33073
o-phosphate	7.57	2.46	210025	9353
sulfate	9.23	50.14	3308286	163091

Peak Information : Unknown Peaks

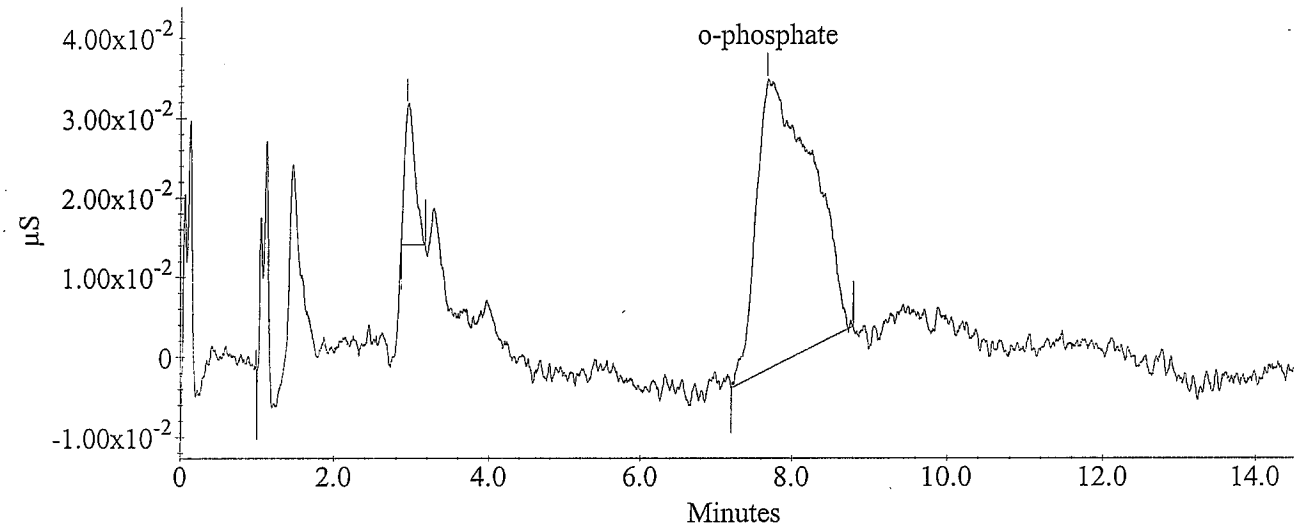
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

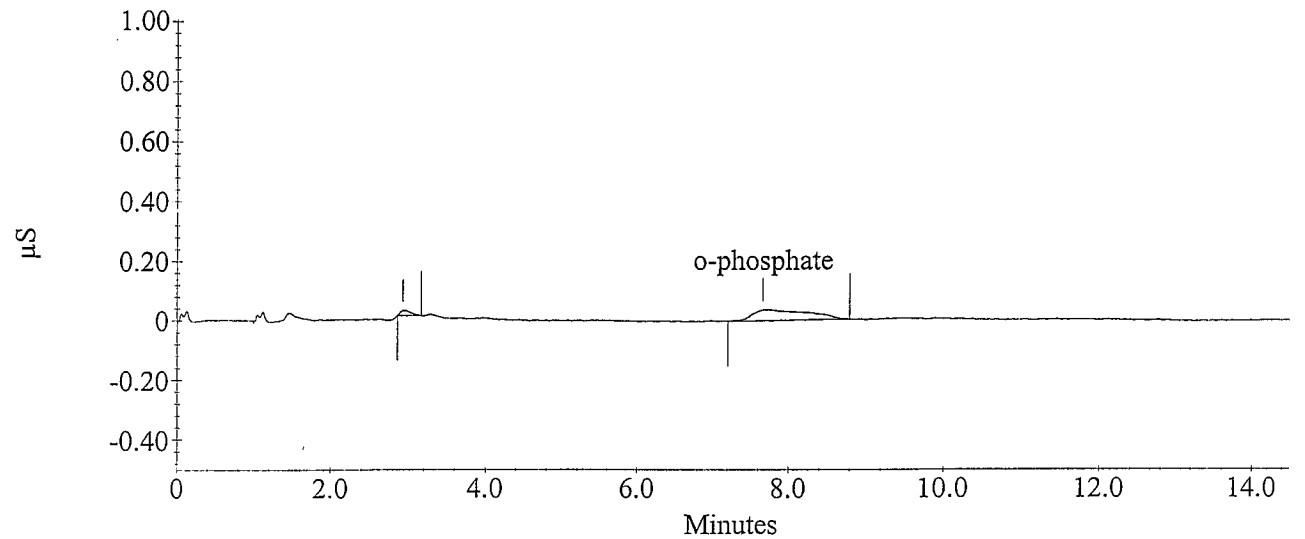
Sample Name : CCB #3
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #3_041.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 41
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 12:37:43 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #3



CCB #3



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #3
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #3_041.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 41
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 12:37:43 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1571	169
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.67	0.21	18012	358
sulfate				

Peak Information : Unknown Peaks

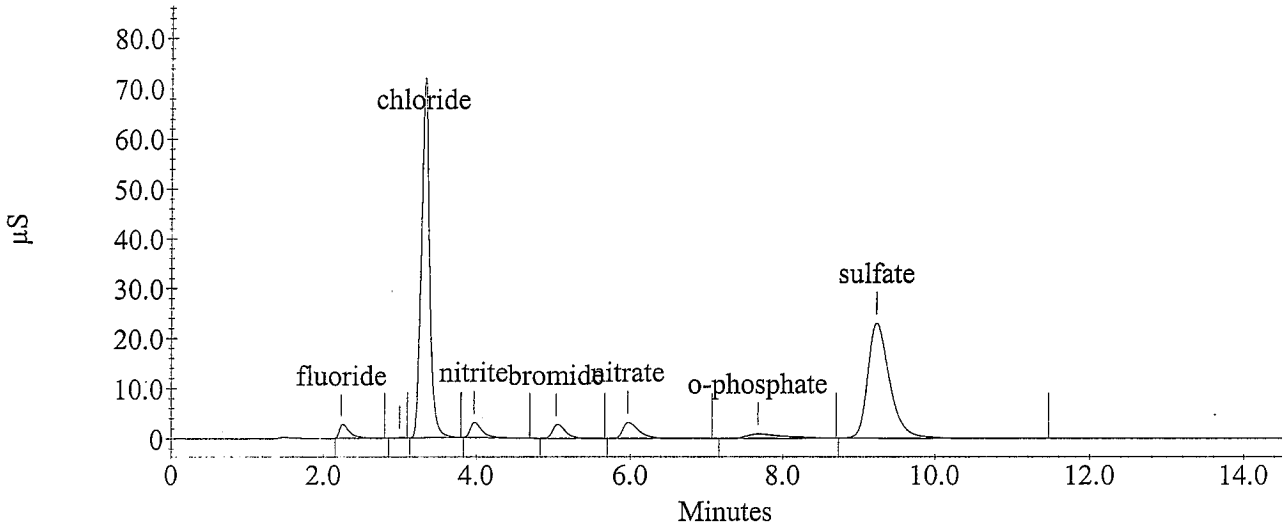
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1571	169

STL North Canton Ion Chromatography Analysis Report

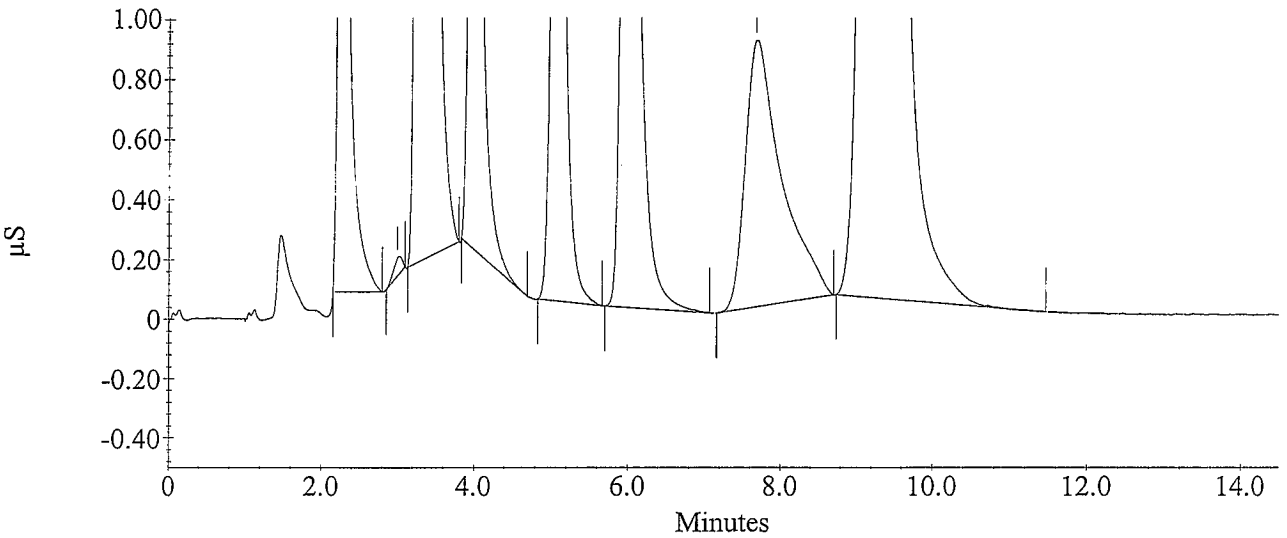
Sample Name : MW-76 MS
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-76 MS_042.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 42
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 12:54:41 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-76 MS



MW-76 MS



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-76 MS
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-76 MS_042.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 42
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 12:54:41 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.35	257677	24160
chloride	3.30	50.66	5345715	575287
nitrite	3.97	2.31	314369	29481
bromide	5.03	9.61	316193	26059
nitrate	5.97	2.47	459441	31438
o-phosphate	7.67	3.46	293230	8832
sulfate	9.23	68.22	4575159	228922

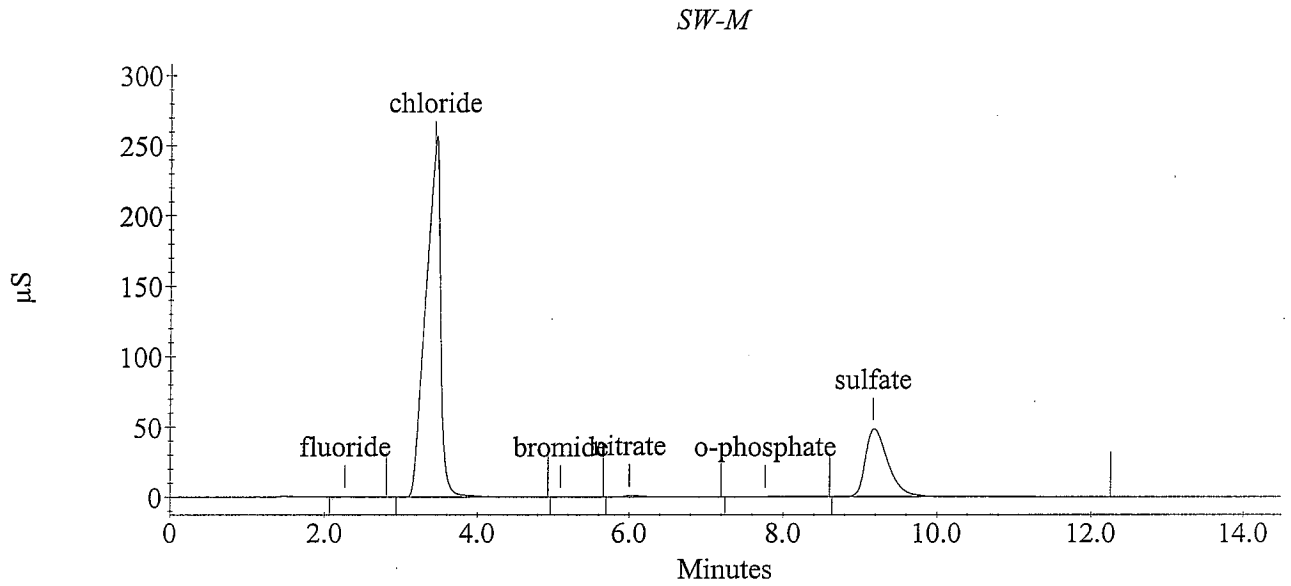
Peak Information : Unknown Peaks

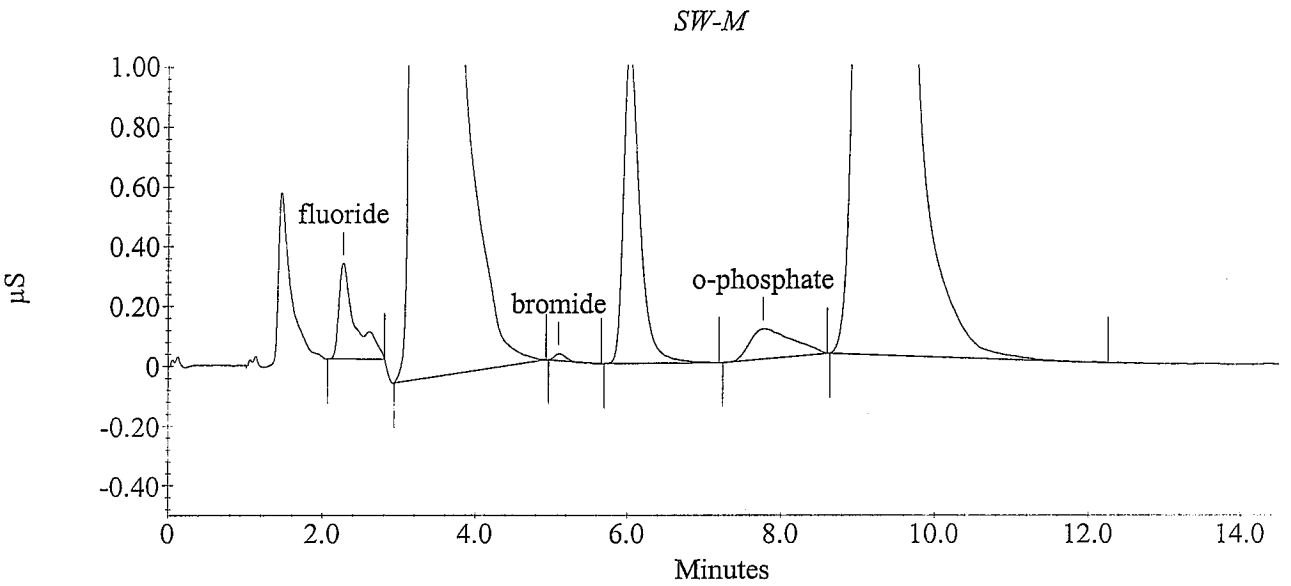
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	4492	589

STL North Canton Ion Chromatography Analysis Report

Sample Name : SW-M
Data File Name : c:\peaknet\data\dx-120 data\063005\SW-M_043.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 43
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 1:11:42 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : SW-M
Data File Name : c:\peaknet\data\dx-120 data\063005\SW-M_043.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 43
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 1:11:42 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.44	46931	3174
chloride	3.43	270.89	34428926	2444117
nitrite				
bromide	5.10	0.07	2267	226
nitrate	6.00	0.85	155100	9922
o-phosphate	7.77	0.43	37258	992
sulfate	9.17	136.08	9783938	478367

Peak Information : Unknown Peaks

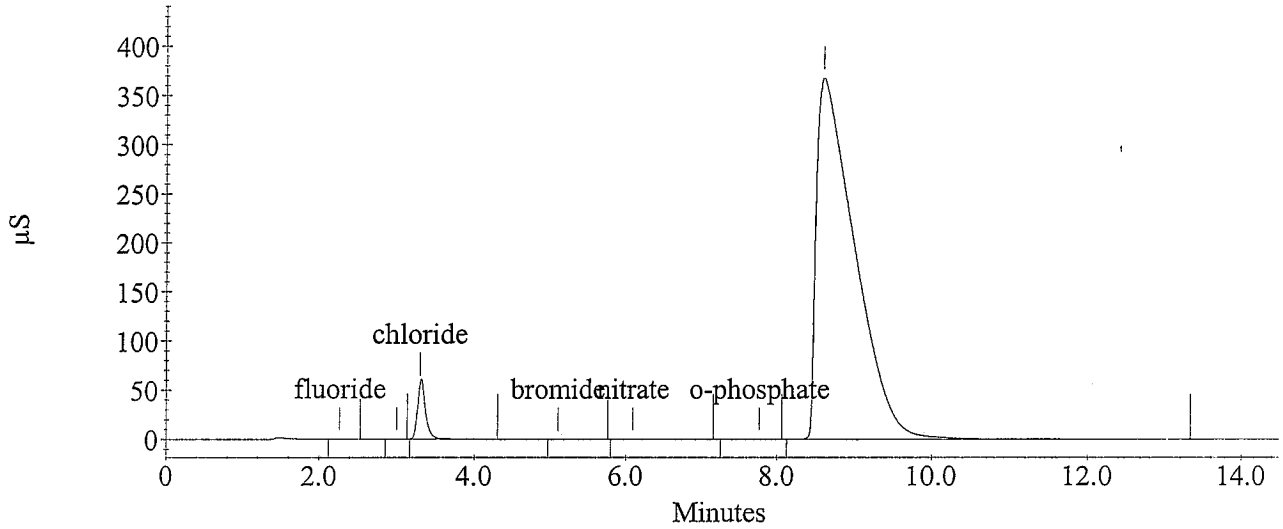
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

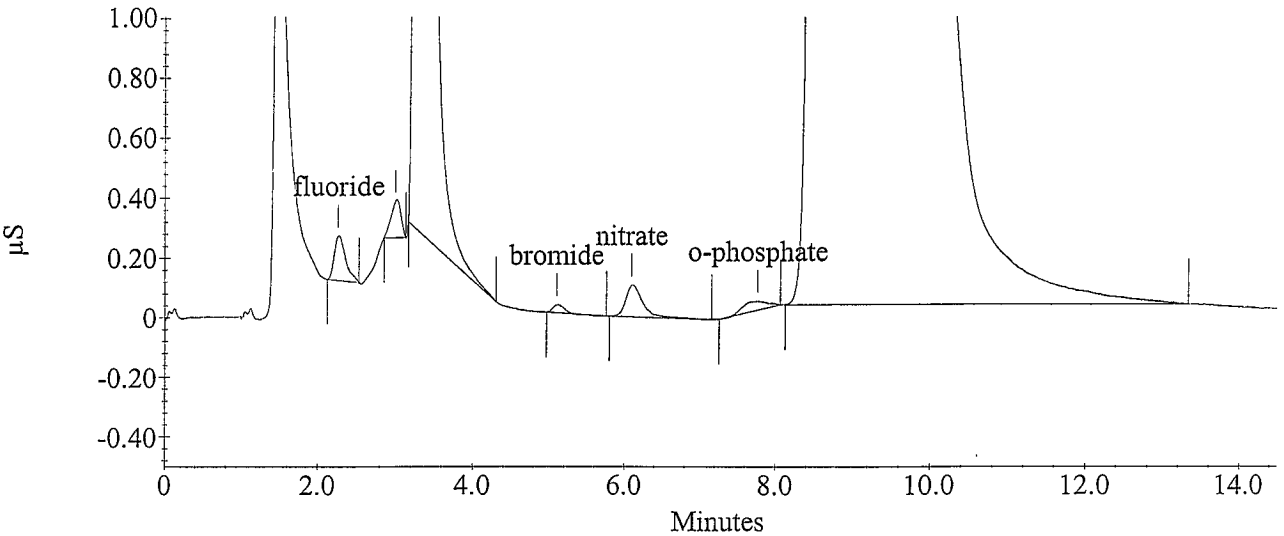
Sample Name : MW-28
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-28_044.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 44
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 1:28:43 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-28



MW-28



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-28
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-28_044.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 44
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 1:28:43 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.14	15210	1471
chloride	3.30	40.51	4247452	557840
nitrite				
bromide	5.10	0.08	2519	262
nitrate	6.10	0.09	16808	1051
o-phosphate	7.77	0.08	6813	291
sulfate				

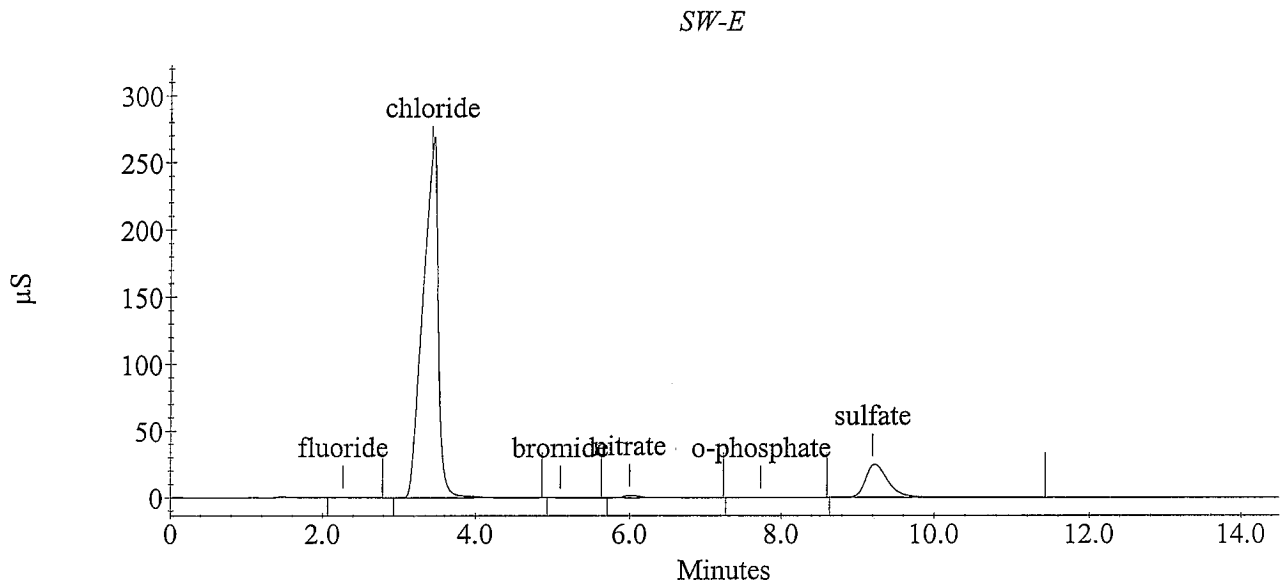
Peak Information : Unknown Peaks

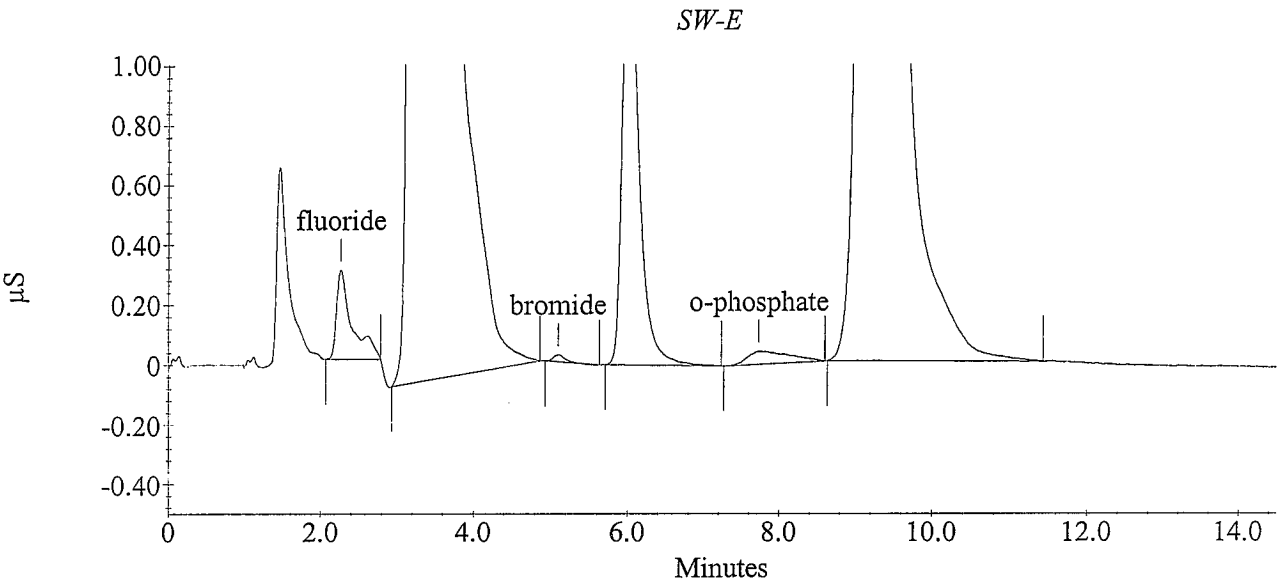
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	10812	1201
	8.60	0.00	126991000	3666349

STL North Canton Ion Chromatography Analysis Report

Sample Name : SW-E
Data File Name : c:\peaknet\data\dx-120 data\063005\SW-E_045.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 45
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 1:45:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : SW-E
Data File Name : c:\peaknet\data\dx-120 data\063005\SW-E_045.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 45
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 1:45:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.40	42518	2956
chloride	3.43	285.46	36929994	2533236
nitrite				
bromide	5.10	0.07	2166	220
nitrate	6.00	1.21	222376	15189
o-phosphate	7.73	0.19	16455	427
sulfate	9.20	74.03	4991814	240626

Peak Information : Unknown Peaks

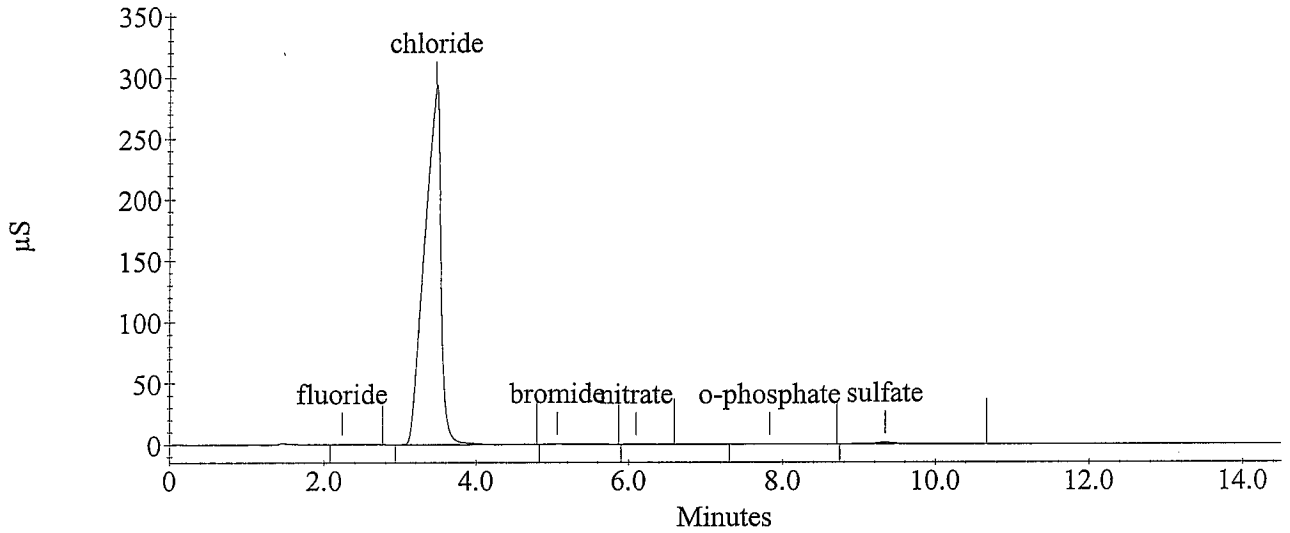
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

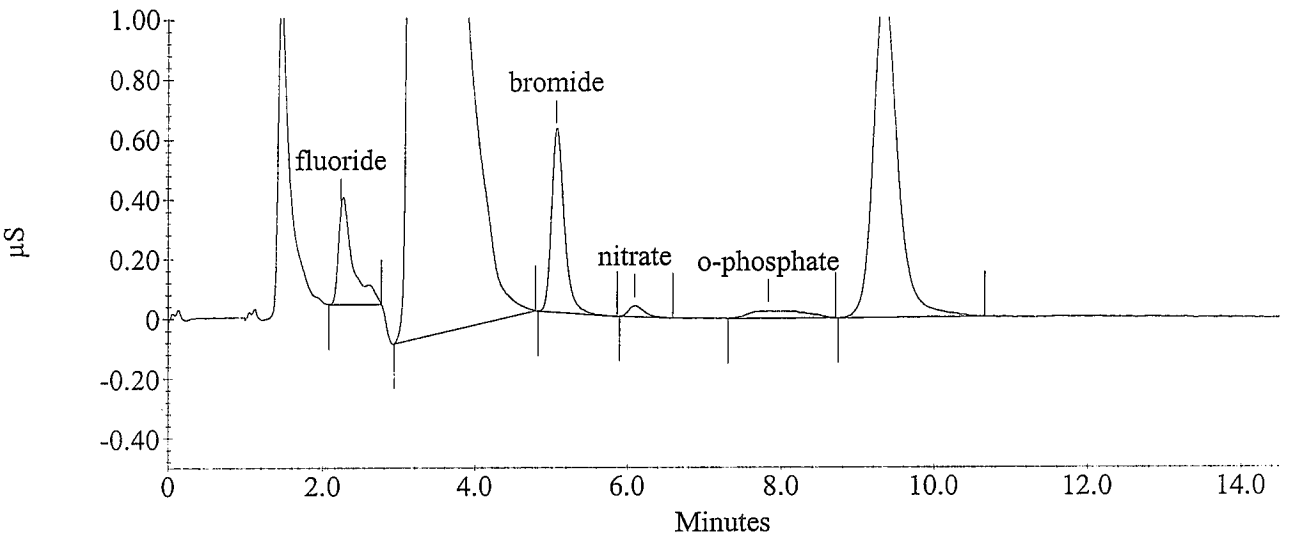
Sample Name : MW-25
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-25_046.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 46
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:02:47 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-25



MW-25



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-25
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-25_046.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 46
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:02:47 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	0.43	46505	3153
chloride	3.47	322.98	44016846	2865842
nitrite				
bromide	5.07	2.21	71179	6012
nitrate	6.10	0.03	5081	362
o-phosphate	7.83	0.14	12322	240
sulfate	9.33	3.84	244004	11149

Peak Information : Unknown Peaks

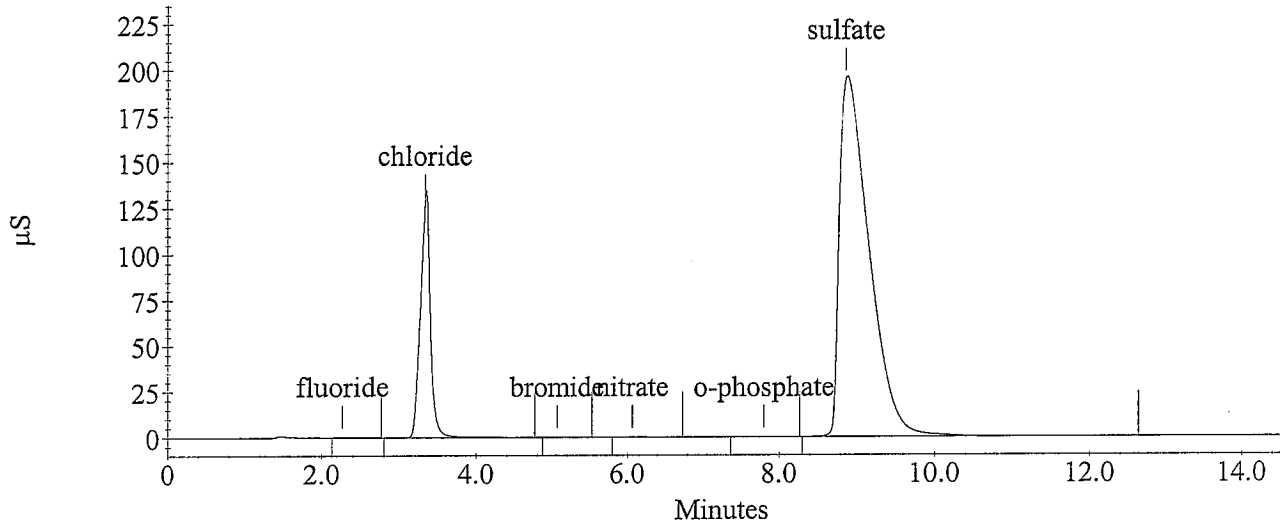
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

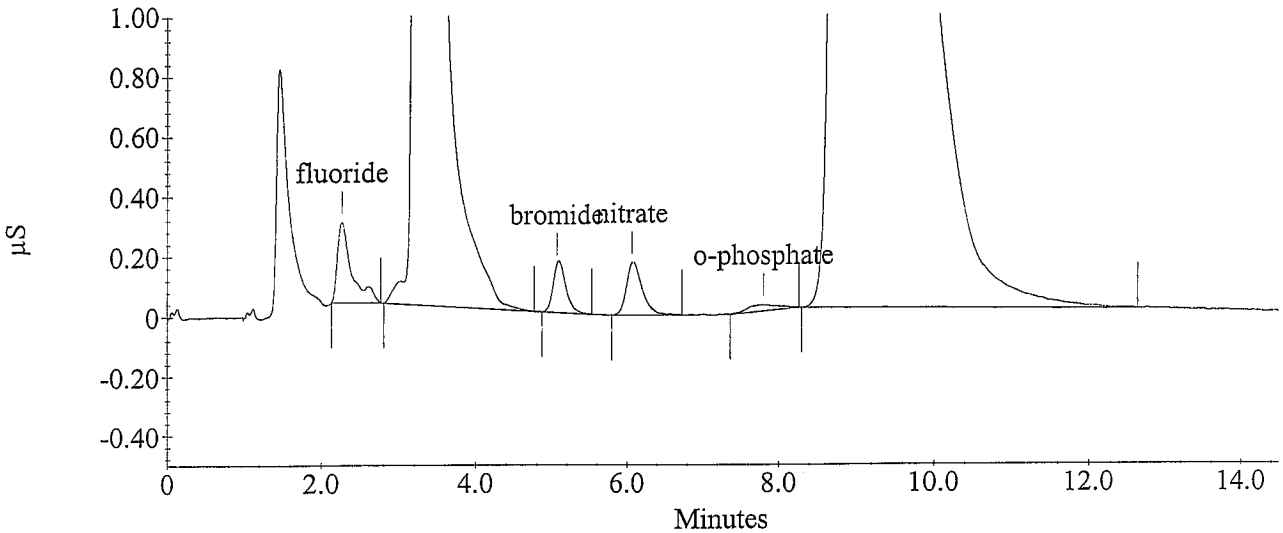
Sample Name : MW-19
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-19_047.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 47
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:19:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-19



MW-19



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-19
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-19_047.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 47
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:19:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.32	33847	2659
chloride	3.33	108.27	11877068	1260030
nitrite				
bromide	5.07	0.62	19818	1574
nitrate	6.07	0.14	25531	1712
o-phosphate	7.80	0.07	5671	196
sulfate	8.87	303.54	51257407	1938768

Peak Information : Unknown Peaks

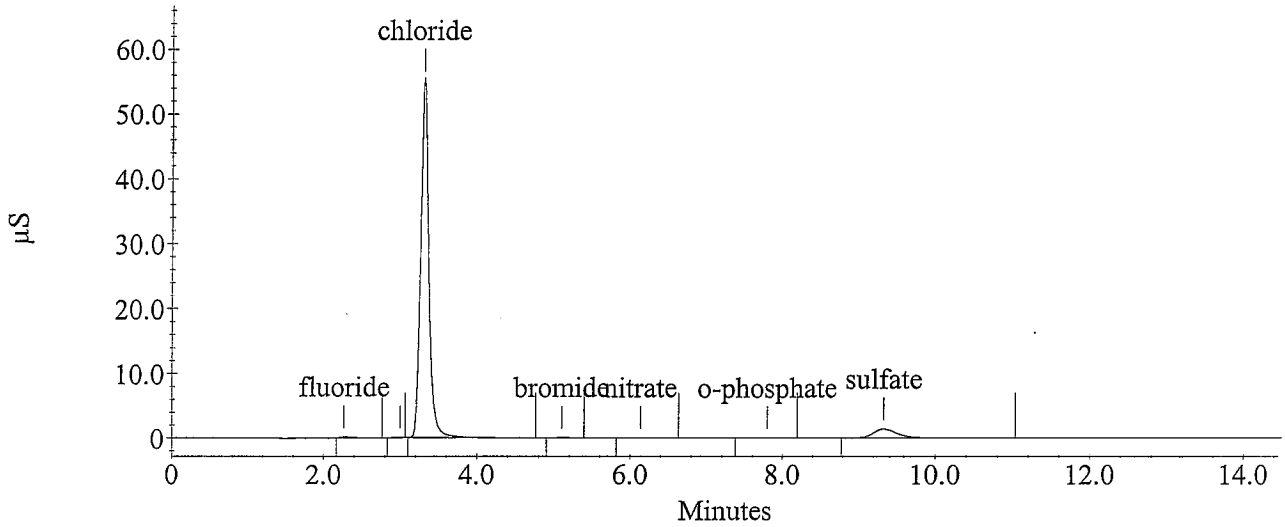
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

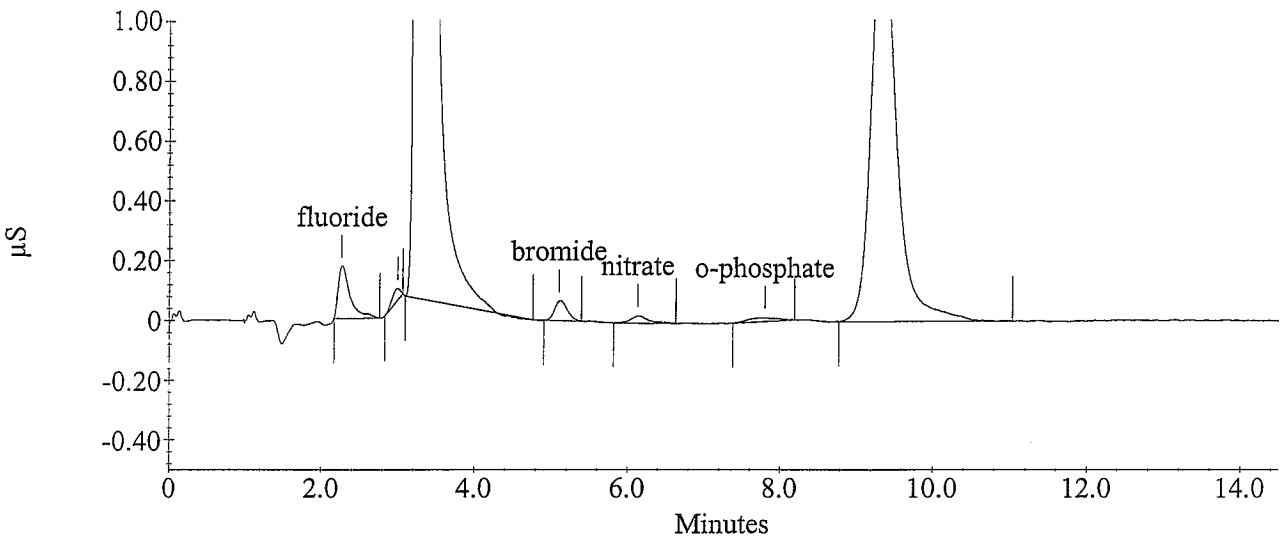
Sample Name : MW-7 ORG
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-7 ORG_048.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 48
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:36:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-7 ORG



MW-7 ORG



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-7 ORG
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-7 ORG_048.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 48
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:36:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.18	18741	1714
chloride	3.30	39.01	4086475	549918
nitrite				
bromide	5.10	0.24	7546	644
nitrate	6.13	0.02	4001	241
o-phosphate	7.80	0.04	3595	122
sulfate	9.33	4.85	308262	13889

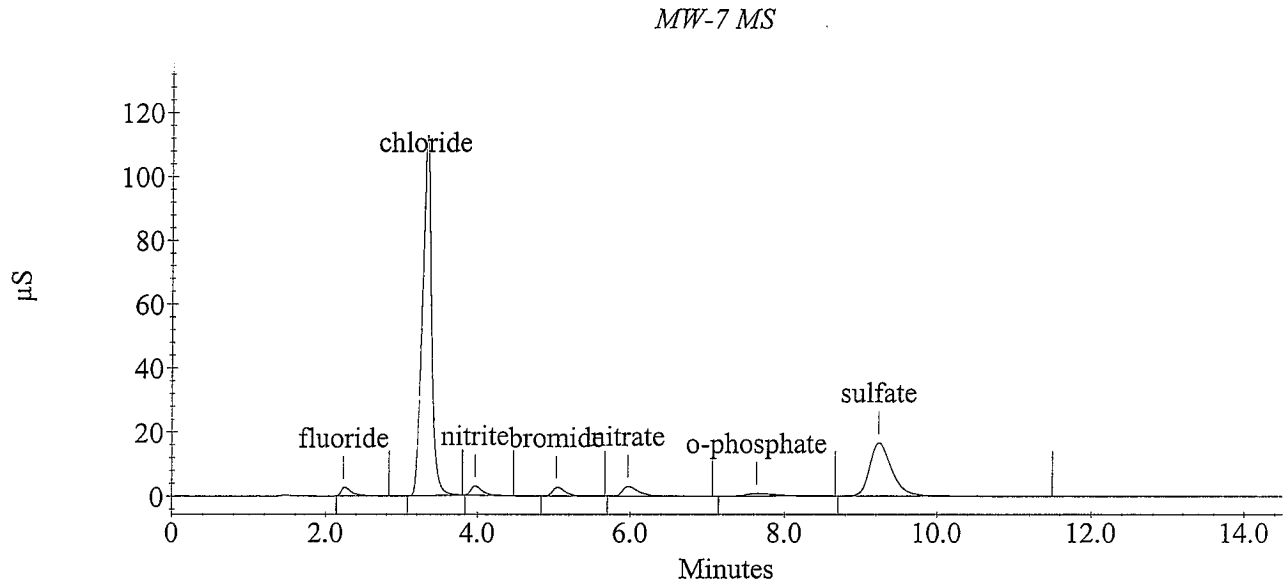
Peak Information : Unknown Peaks

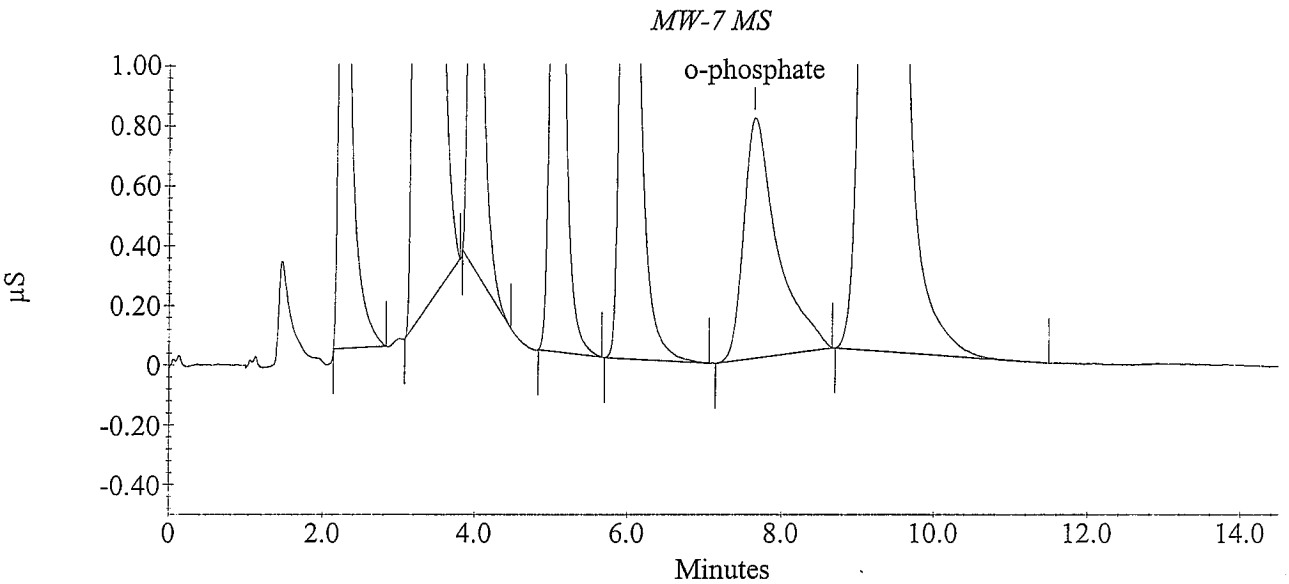
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	3042	385

STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-7 MS
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-7 MS_049.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 49
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:53:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-7 MS
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-7 MS_049.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 49
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 2:53:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.34	256500	25017
chloride	3.30	87.30	9436661	946323
nitrite	3.97	2.15	290937	28521
bromide	5.03	9.54	313741	26303
nitrate	5.97	2.35	436903	29861
o-phosphate	7.63	2.85	243251	7952
sulfate	9.23	50.51	3333610	165425

Peak Information : Unknown Peaks

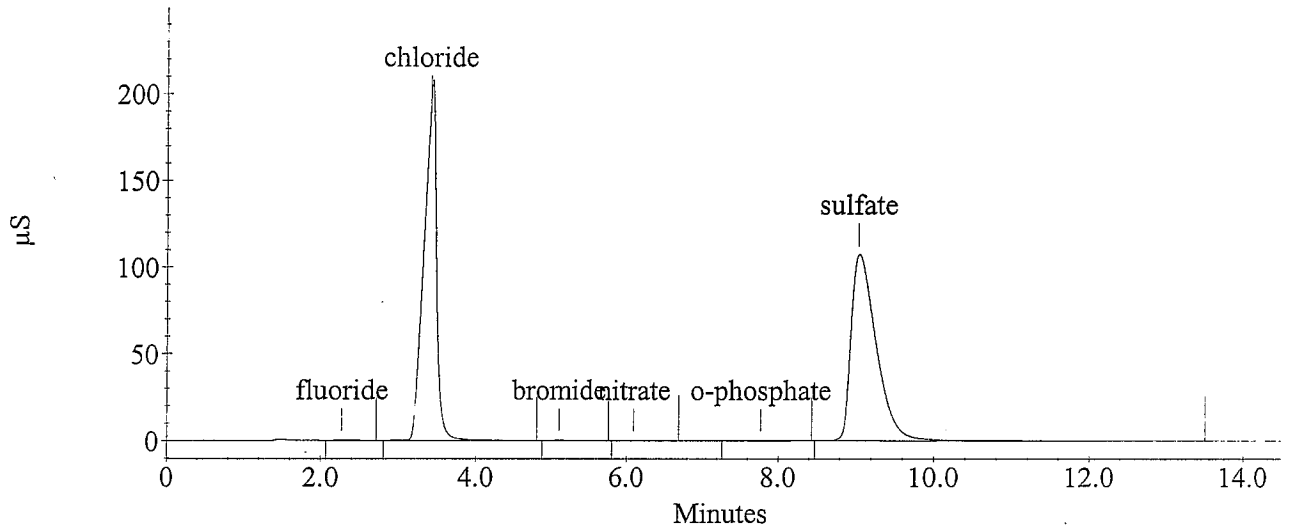
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

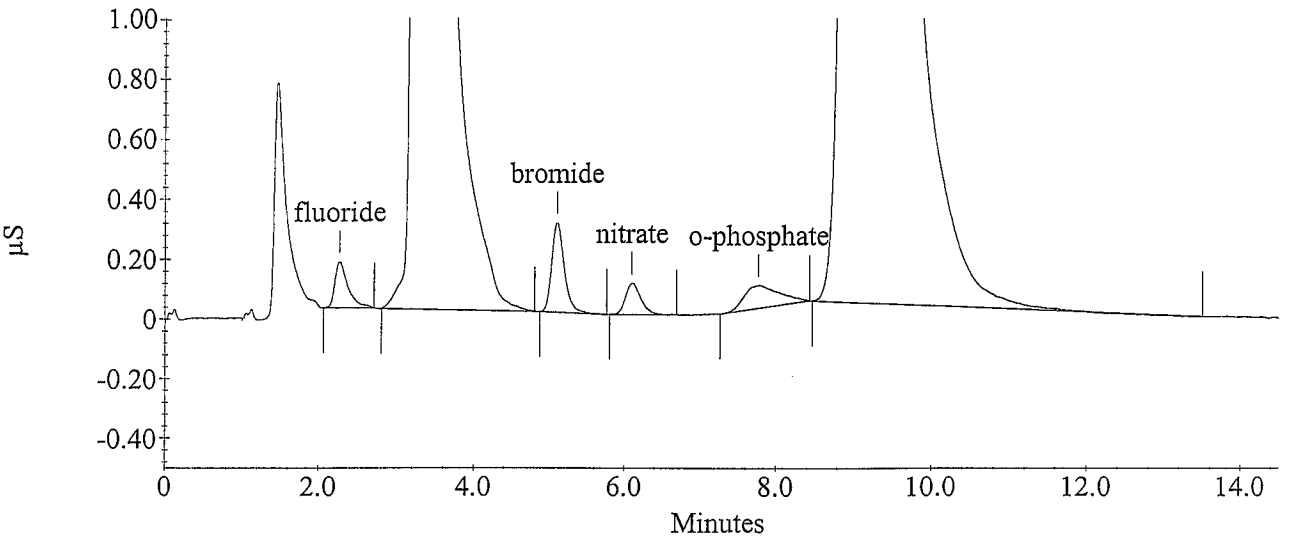
Sample Name : MW-24
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-24_050.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 50
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 3:10:45 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-24



MW-24



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-24
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-24_050.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 50
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 3:10:45 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.17	17824	1529
chloride	3.40	195.47	22994140	1918155
nitrite				
bromide	5.10	1.07	34218	2958
nitrate	6.10	0.08	14508	1028
o-phosphate	7.77	0.28	23994	750
sulfate	9.03	267.01	23834184	1067943

Peak Information : Unknown Peaks

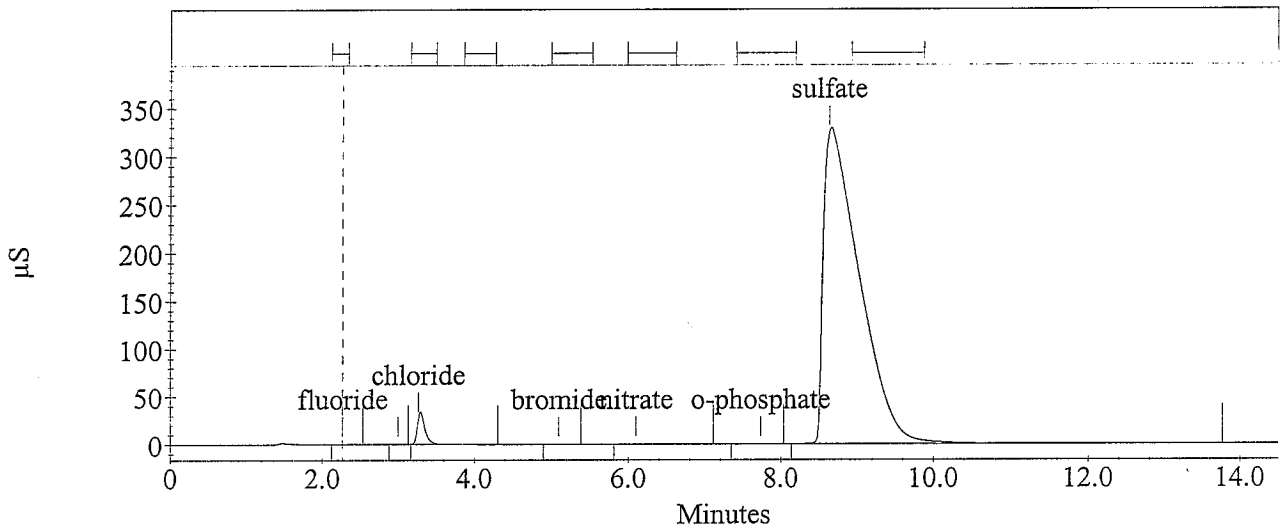
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

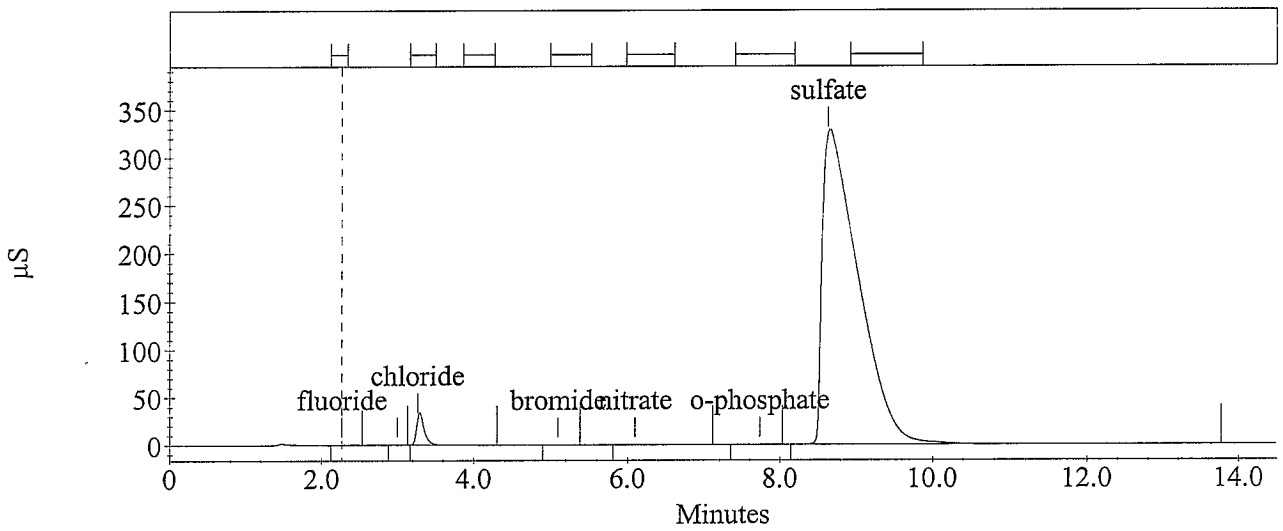
Sample Name : MW-20
Data File Name : C:\PEAKNET\DATA\DX-120 DATA\063005\MW-20_051.DXD

Method File Name : ...\DX120 062105.met	Injection Number : 51
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 3:27:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-20



MW-20



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-20
Data File Name : C:\PEAKNET\DATA\DX-120 DATA\063005\MW-20_051.DXD

Method File Name : ...\DX120 062105.met	Injection Number : 51
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 3:27:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.18	18852	1856
chloride	3.27	22.31	2313566	253656
nitrite				
bromide	5.10	0.07	2235	197
nitrate	6.10	0.05	8505	525
o-phosphate	7.73	0.05	4683	225
sulfate	8.63	-525.14	107400391	3233759

Peak Information : Unknown Peaks

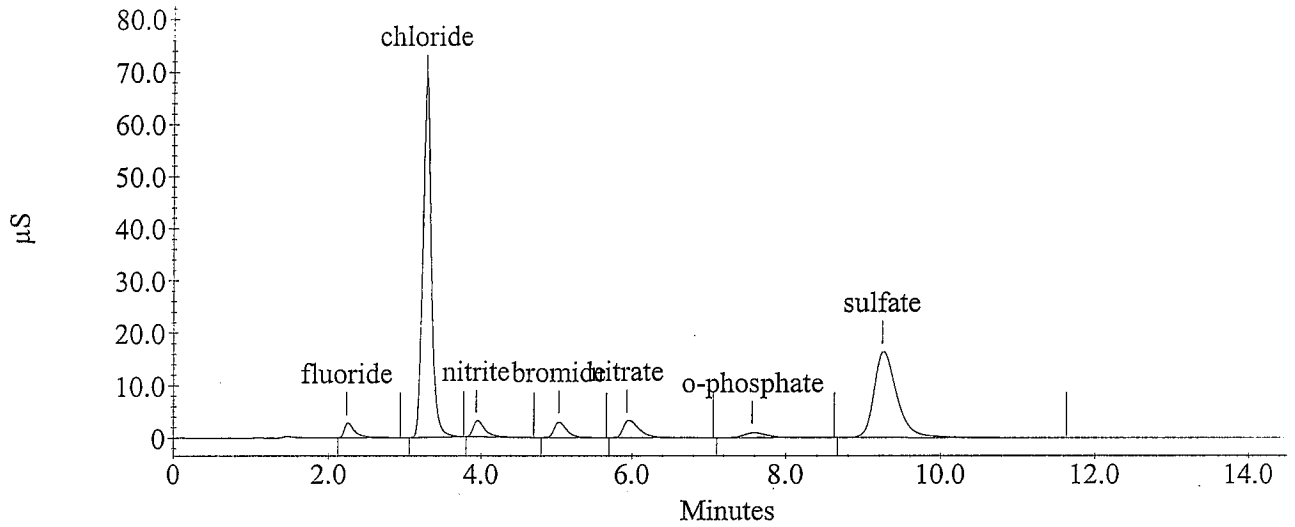
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	11041	1278

STL North Canton Ion Chromatography Analysis Report

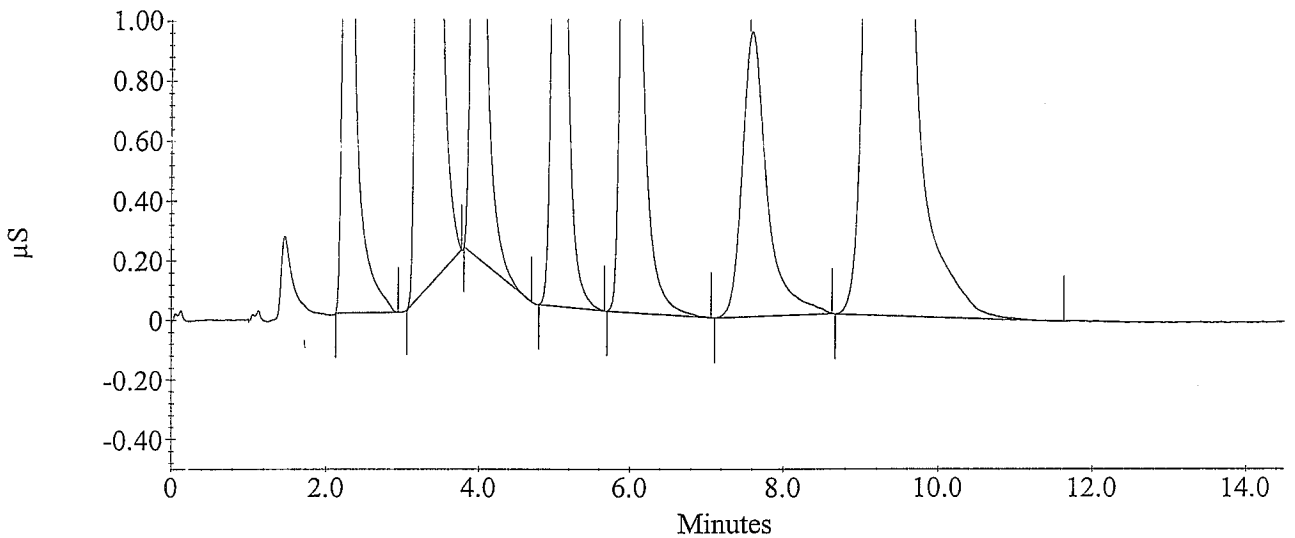
Sample Name : CCV #4
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #4_052.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 52
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 3:44:48 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #4



CCV #4



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #4
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #4_052.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 52
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 3:44:48 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.47	270332	26497
chloride	3.27	50.18	5292709	669672
nitrite	3.93	2.44	331561	28916
bromide	5.03	10.25	337922	29105
nitrate	5.93	2.58	482120	30928
o-phosphate	7.57	2.45	209801	9186
sulfate	9.23	50.78	3352226	161771

Peak Information : Unknown Peaks

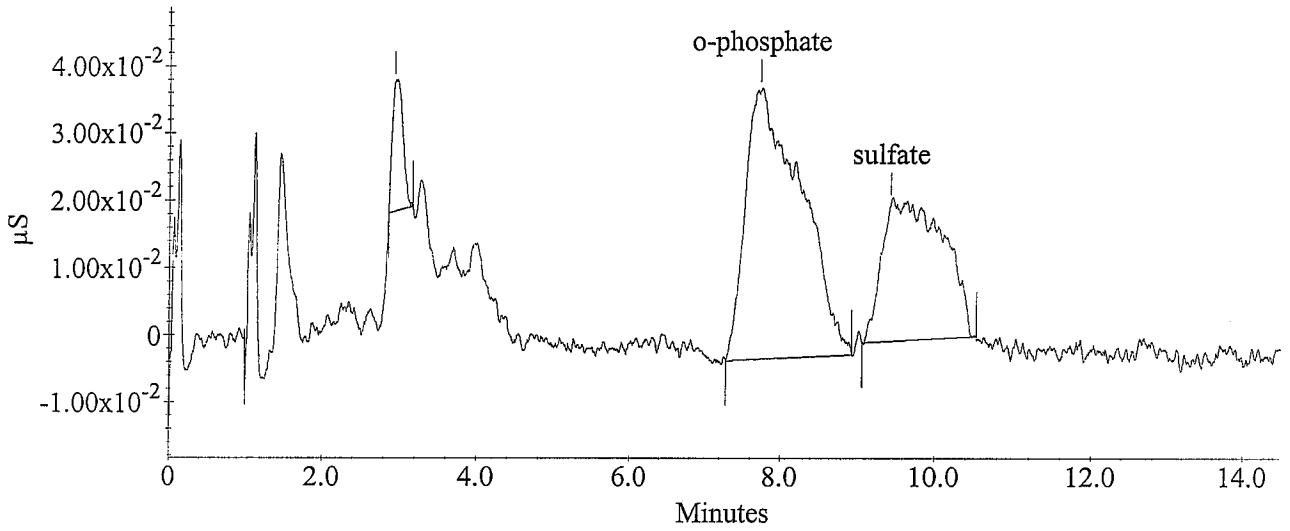
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

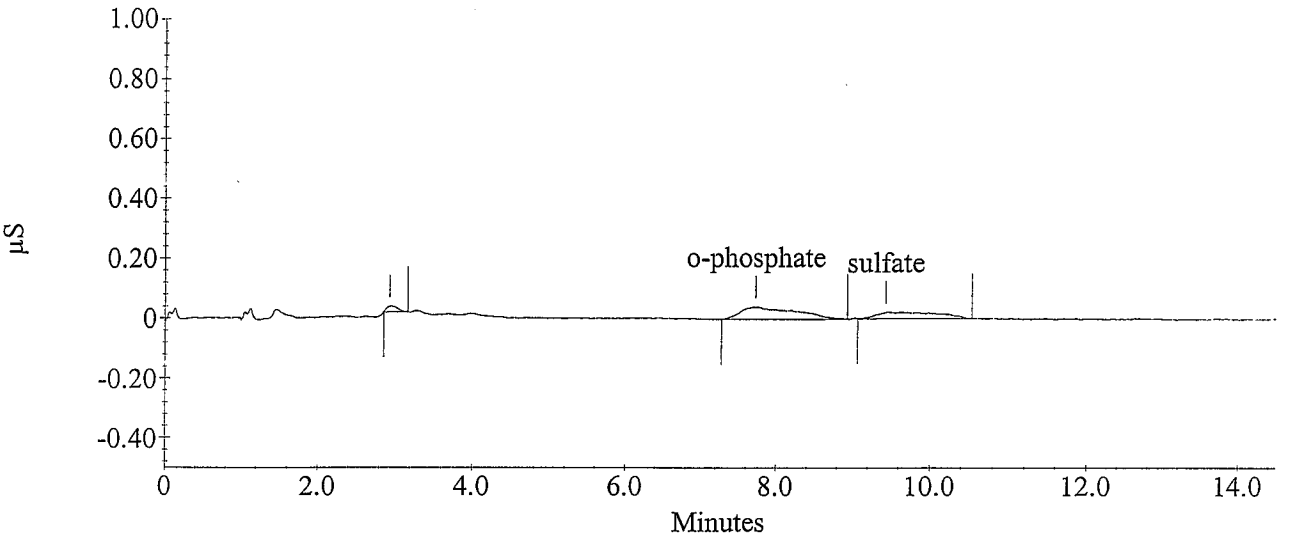
Sample Name : CCB #4
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #4_053.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 53
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:01:42 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #4



CCB #4



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #4
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #4_053.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 53
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:01:42 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1849	191
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.73	0.24	20495	399
sulfate	9.43	0.18	11438	204

Peak Information : Unknown Peaks

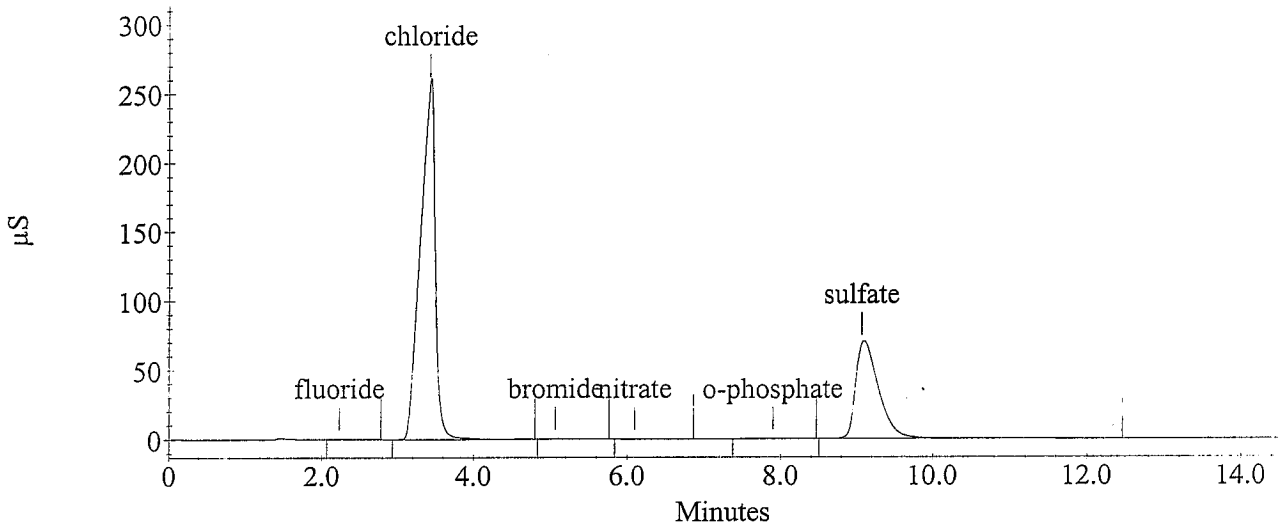
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1849	191

STL North Canton Ion Chromatography Analysis Report

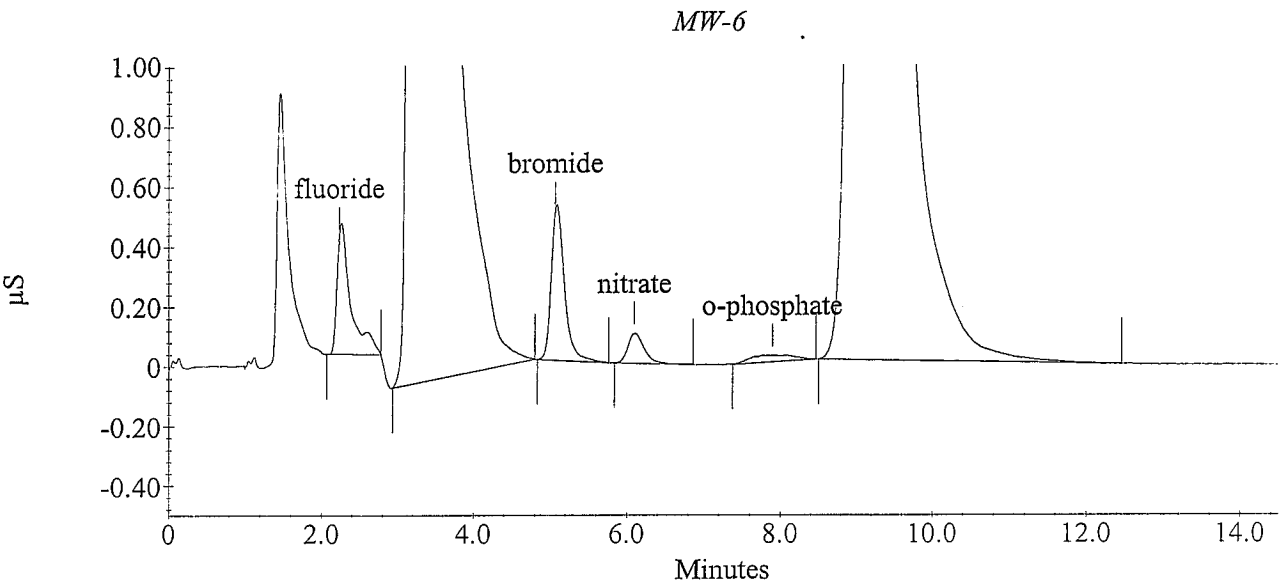
Sample Name : MW-6
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-6_054.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 54
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:18:34 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

MW-6



MW-6



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-6
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-6_054.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 54
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:18:34 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	0.51	54845	3854
chloride	3.43	275.42	35193850	2553406
nitrite				
bromide	5.07	1.93	61958	4886
nitrate	6.10	0.08	14718	992
o-phosphate	7.90	0.10	8650	215
sulfate	9.07	191.19	14764443	684136

Peak Information : Unknown Peaks

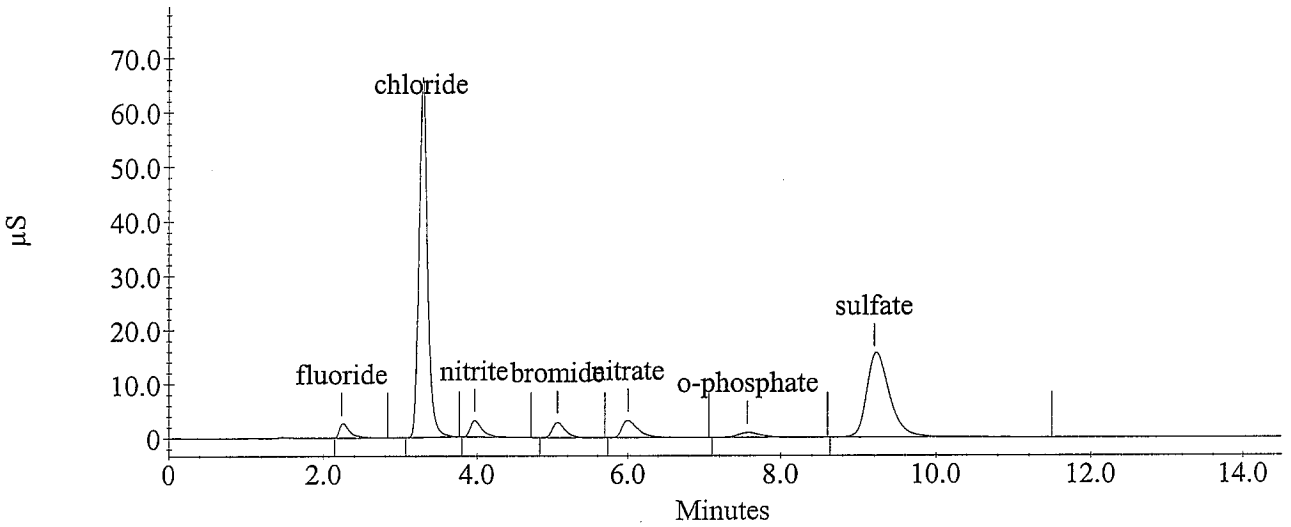
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

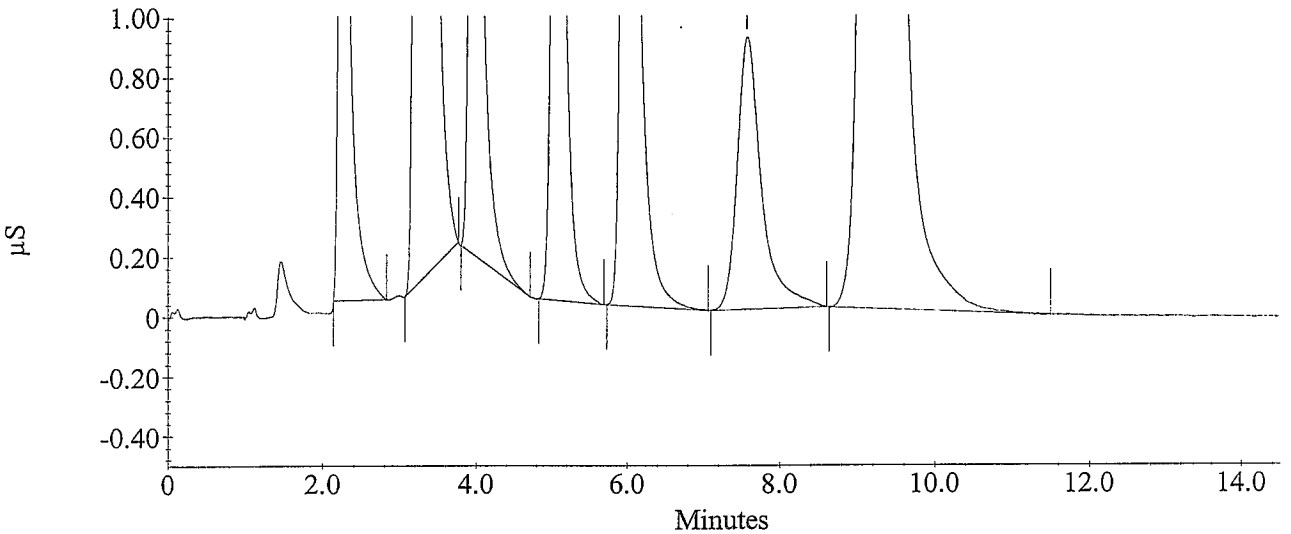
Sample Name : LCS
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS _055.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 55
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:35:28 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

LCS



LCS



STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS _055.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 55
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:35:28 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.25	246150	24663
chloride	3.27	47.94	5049123	558252
nitrite	3.97	2.39	324965	29982
bromide	5.07	9.86	324510	27822
nitrate	6.00	2.48	463046	31545
o-phosphate	7.57	2.34	200258	9029
sulfate	9.20	48.18	3173884	151057

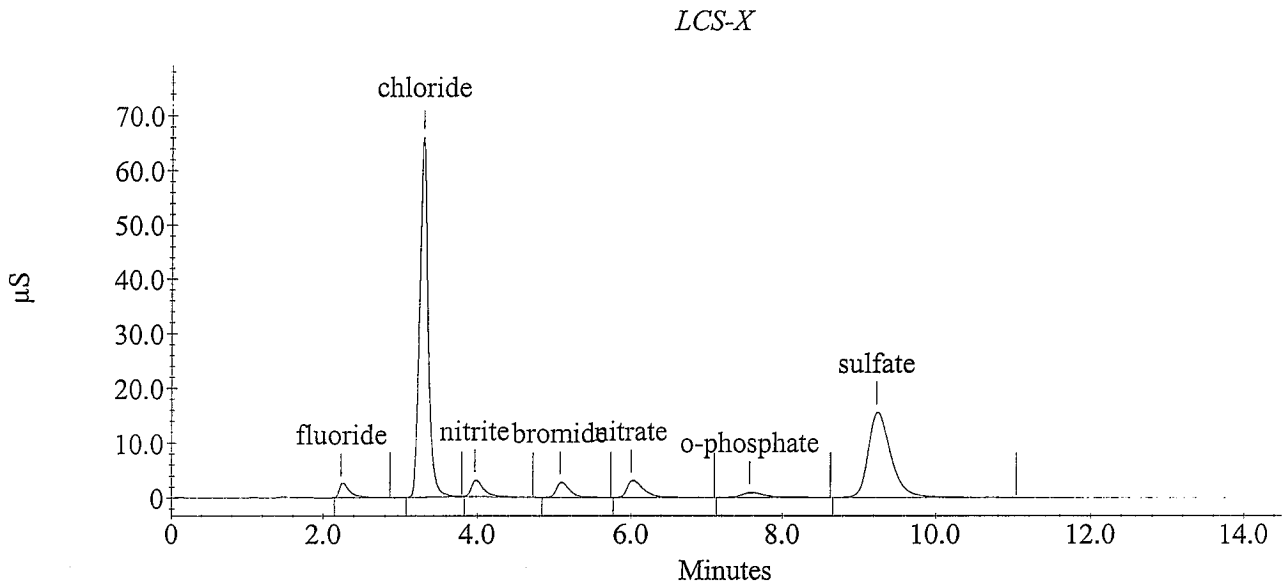
Peak Information : Unknown Peaks

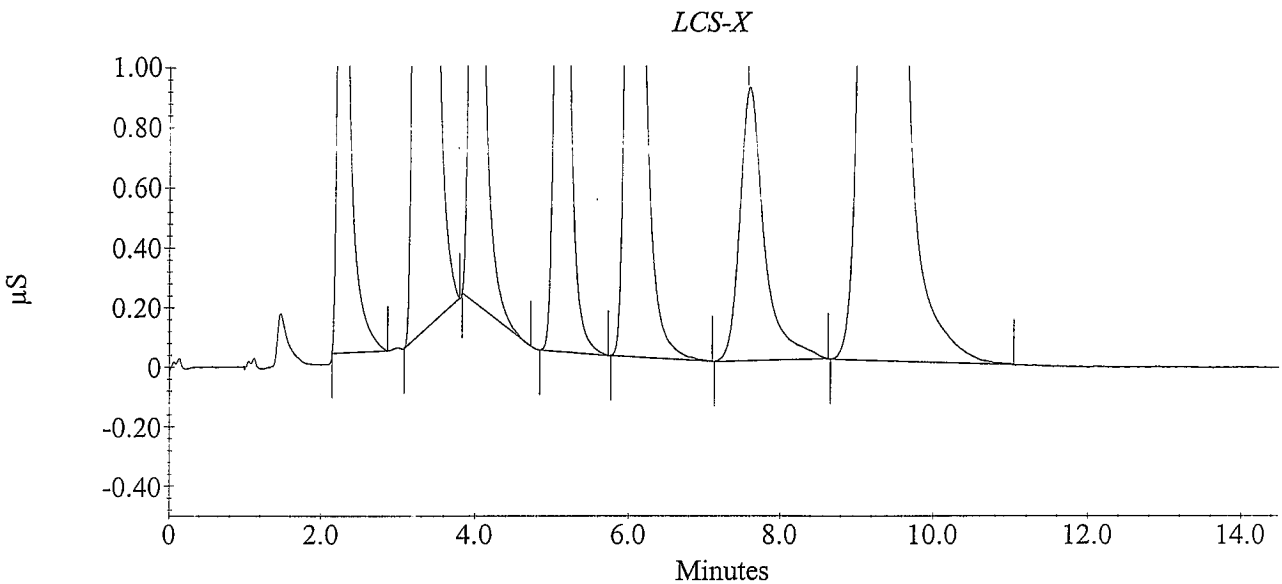
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS-X
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS-X_056.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 56
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:52:24 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : LCS-X
Data File Name : c:\peaknet\data\dx-120 data\063005\LCS-X_056.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 56
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 4:52:24 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.27	247861	23190
chloride	3.30	47.89	5044693	657618
nitrite	3.97	2.34	318708	28503
bromide	5.07	9.88	325417	26054
nitrate	6.00	2.49	463410	29505
o-phosphate	7.57	2.38	203340	8862
sulfate	9.23	48.16	3172360	153446

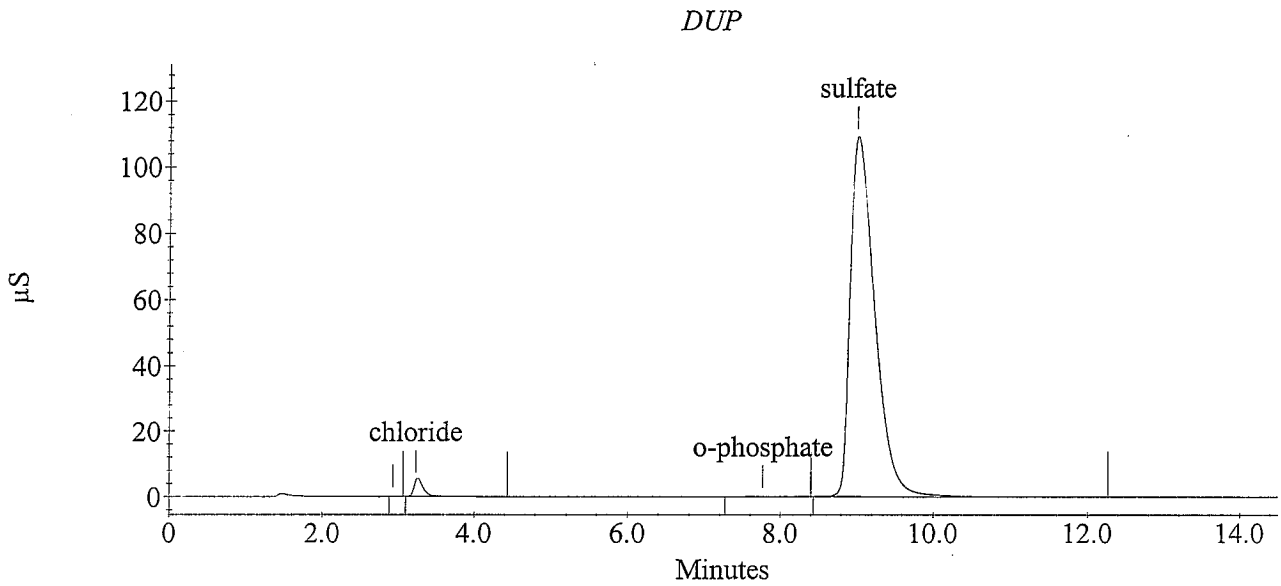
Peak Information : Unknown Peaks

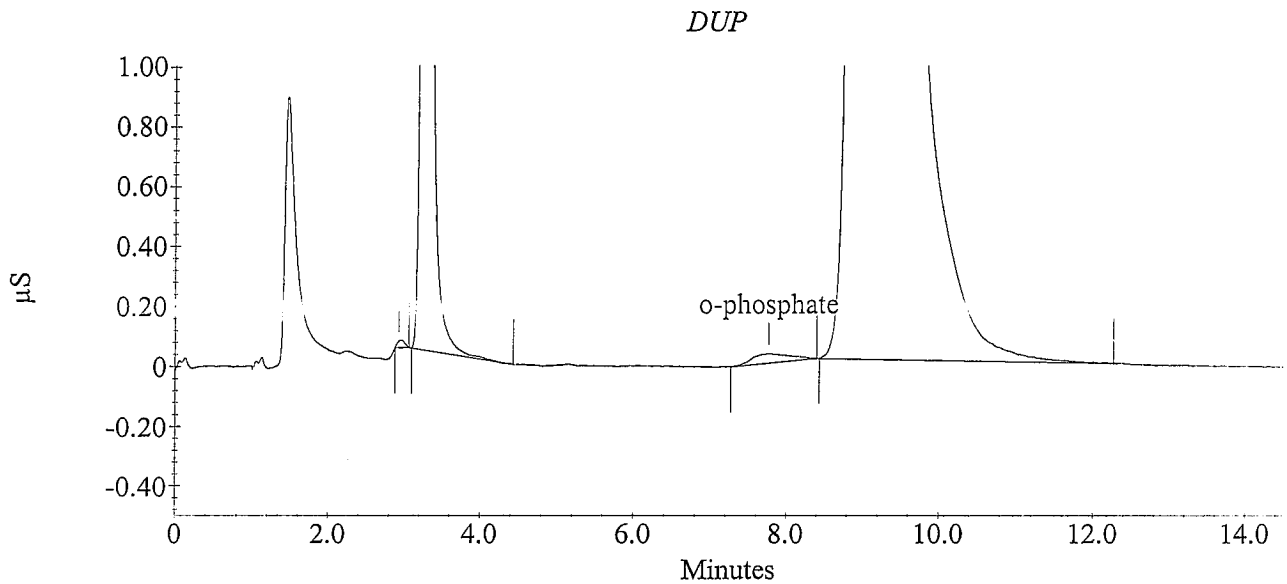
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : DUP
Data File Name : c:\peaknet\data\dx-120 data\063005\DUP_057.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 57
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:09:24 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 20.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : DUP
Data File Name : c:\peaknet\data\dx-120 data\063005\DUP_057.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 57
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:09:24 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 20.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1553	208
chloride	3.23	84.13	431472	44739
nitrite				
bromide				
nitrate				
o-phosphate	7.77	2.46	10707	305
sulfate	9.00	5412.58	24390589	1087107

Peak Information : Unknown Peaks

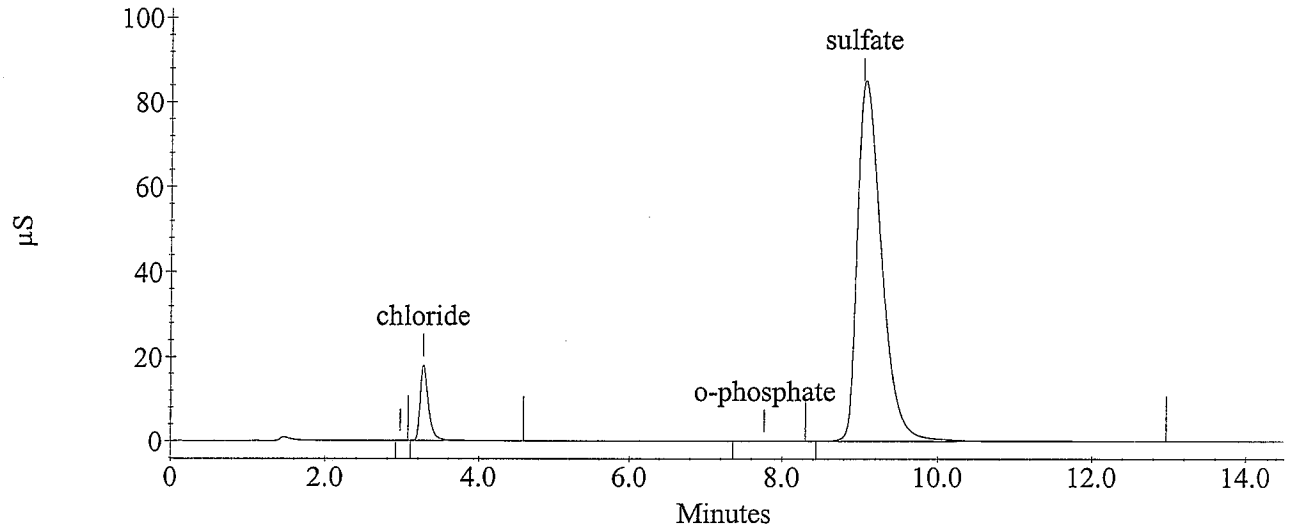
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1553	208

STL North Canton Ion Chromatography Analysis Report

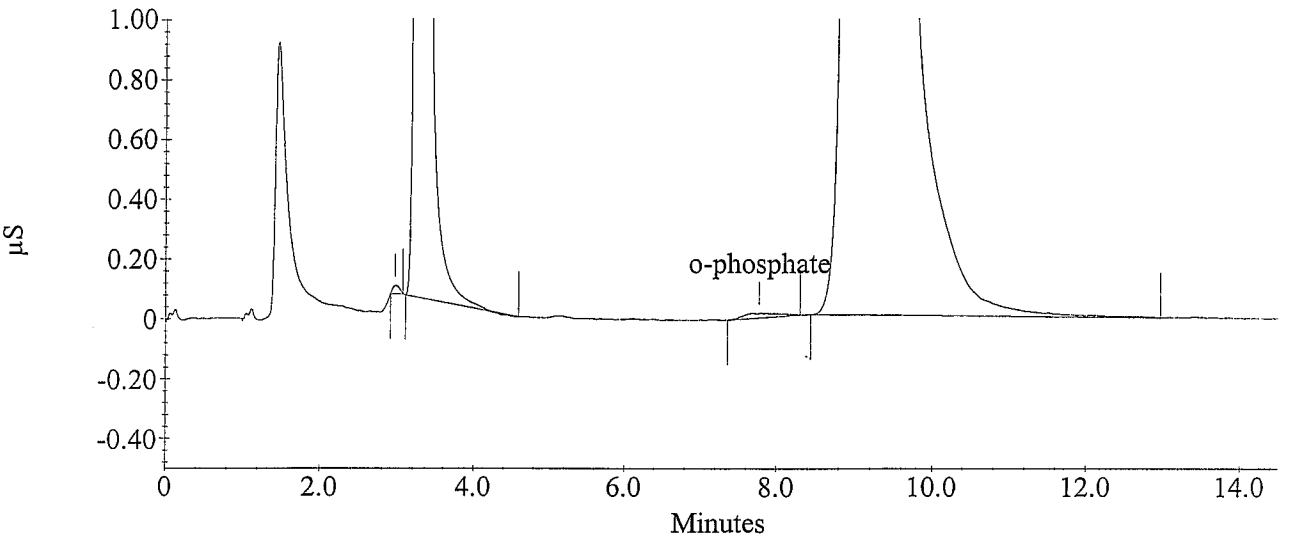
Sample Name : MW-21
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-21_058.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 58
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:26:22 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 20.00

MW-21



MW-21



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-21
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-21_058.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 58
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:26:22 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 20.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	1618	272
chloride	3.27	259.10	1335644	177945
nitrite				
bromide				
nitrate				
o-phosphate	7.77	1.17	5087	148
sulfate	9.03	4494.61	18324831	829024

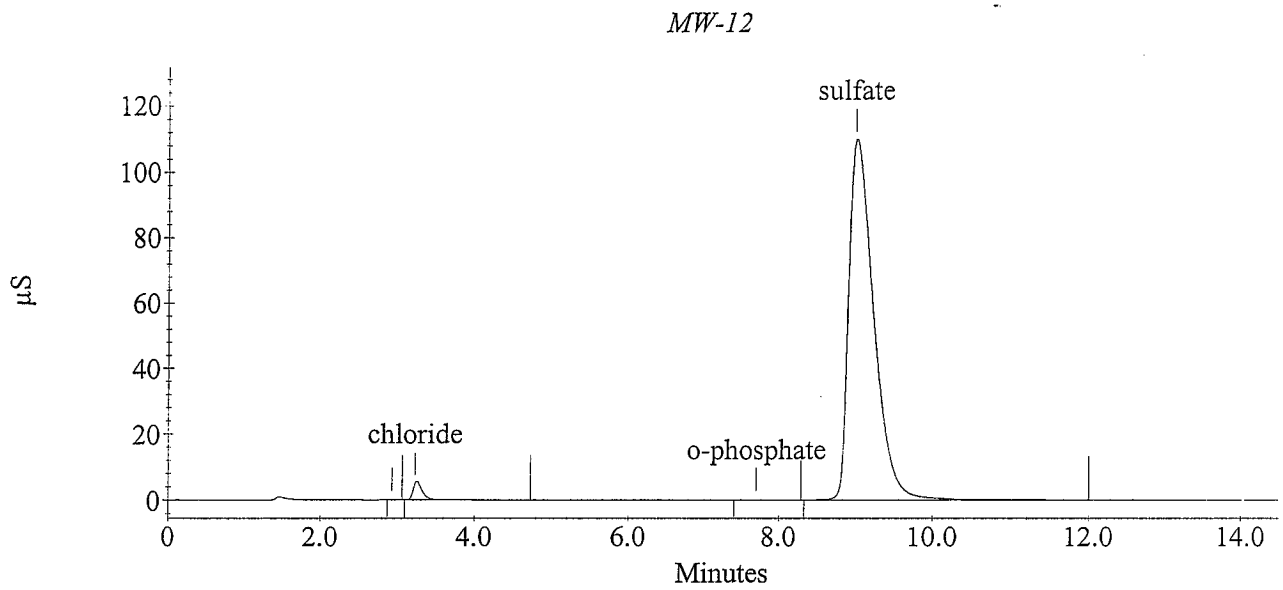
Peak Information : Unknown Peaks

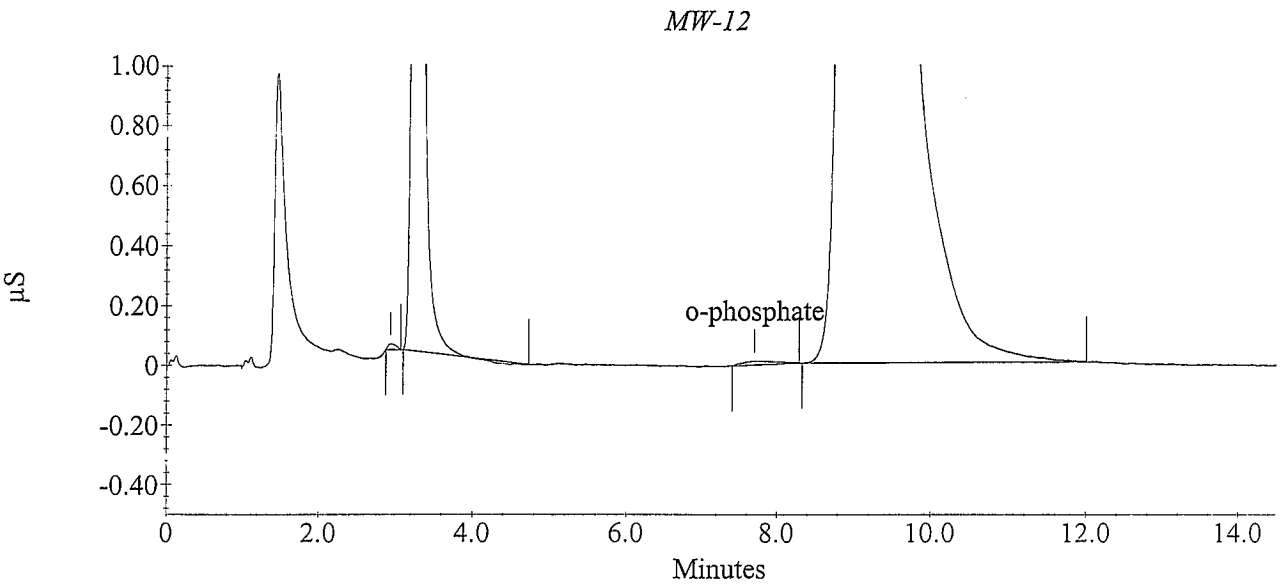
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	1618	272

STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-12
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-12_059.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 59
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:43:21 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 20.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-12
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-12_059.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 59
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 5:43:21 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 20.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1342	186
chloride	3.23	85.57	438859	47713
nitrite				
bromide				
nitrate				
o-phosphate	7.70	0.86	3769	124
sulfate	9.00	5437.30	24584842	1090329

Peak Information : Unknown Peaks

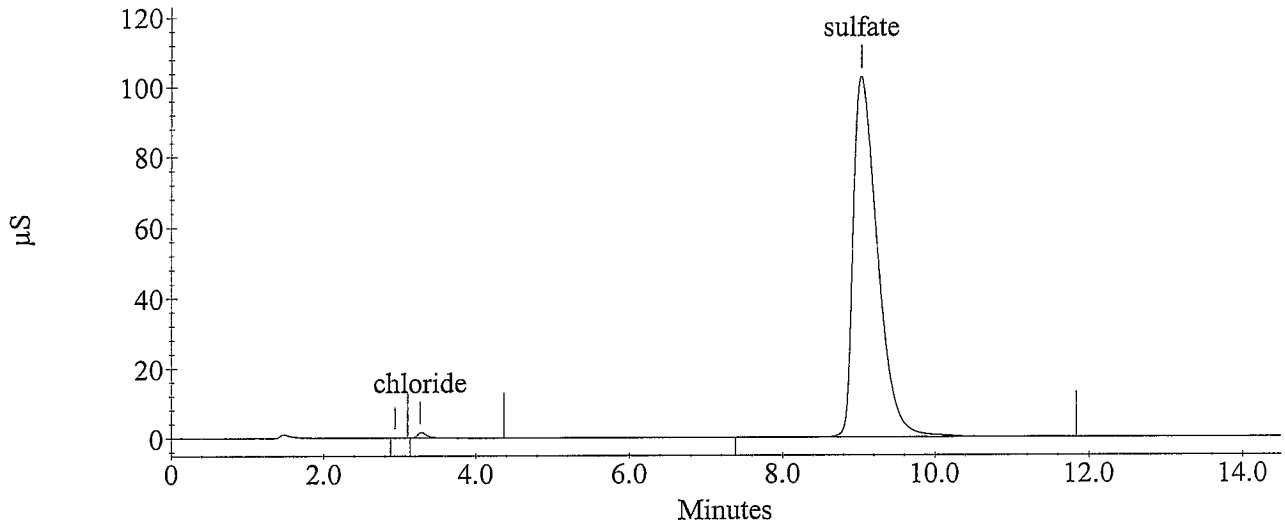
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	1342	186

STL North Canton Ion Chromatography Analysis Report

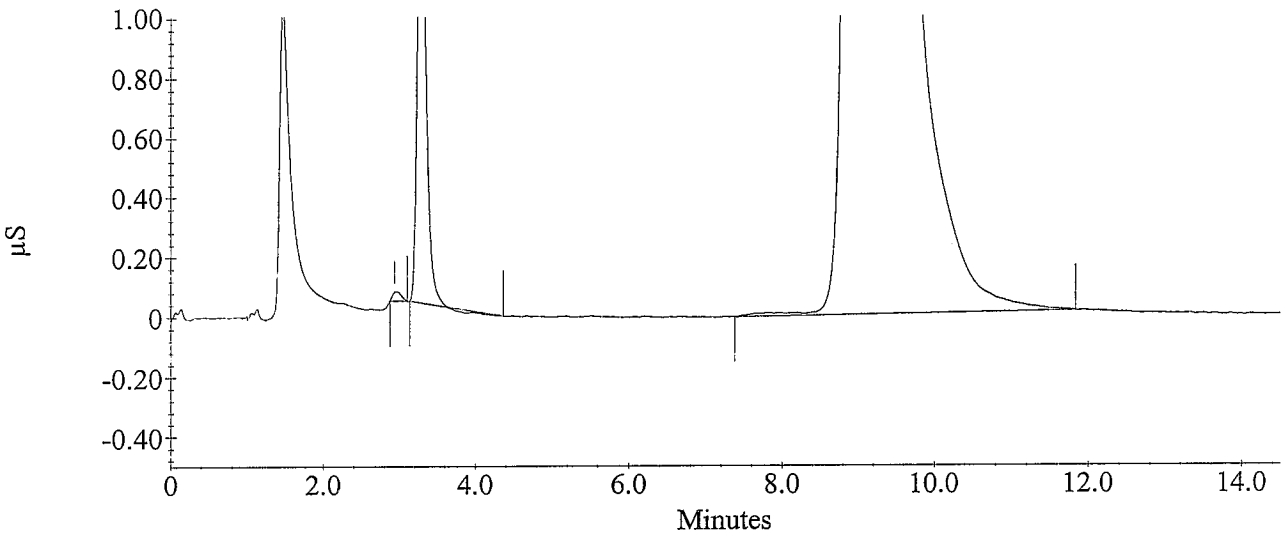
Sample Name : MW-9
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-9_060.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 60
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:00:14 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 50.00

MW-9



MW-9



STL North Canton Ion Chromatography Analysis Report

Sample Name : MW-9
Data File Name : c:\peaknet\data\dx-120 data\063005\MW-9_060.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 60
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:00:14 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 50.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	2452	284
chloride	3.27	59.06	120954	14659
nitrite				
bromide				
nitrate				
o-phosphate				
sulfate	9.03	12980.72	22750194	1023064

Peak Information : Unknown Peaks

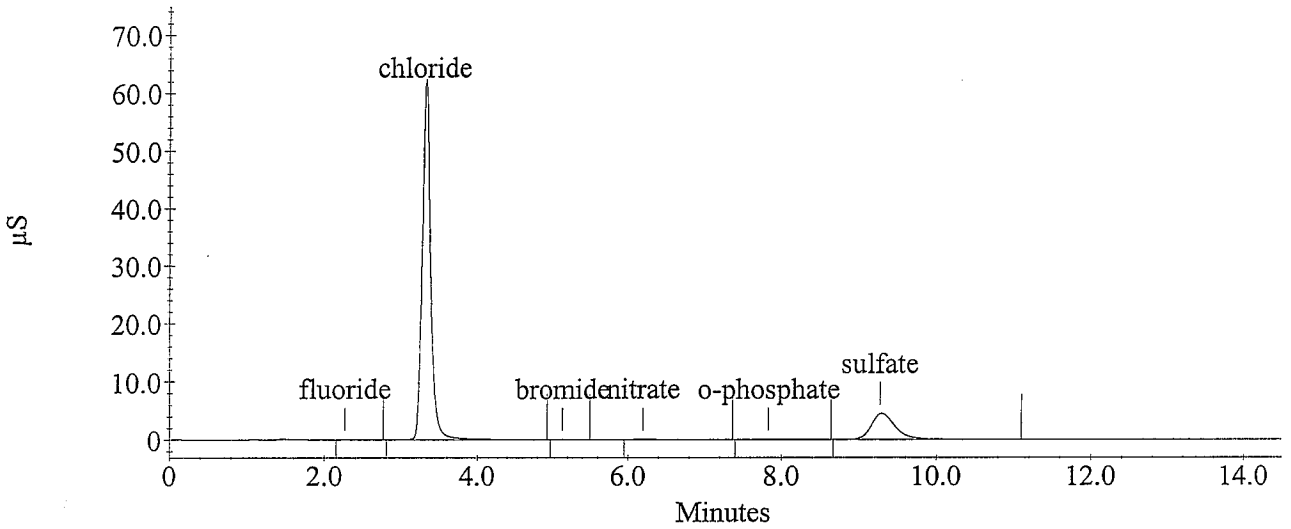
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.93	0.00	2452	284

STL North Canton Ion Chromatography Analysis Report

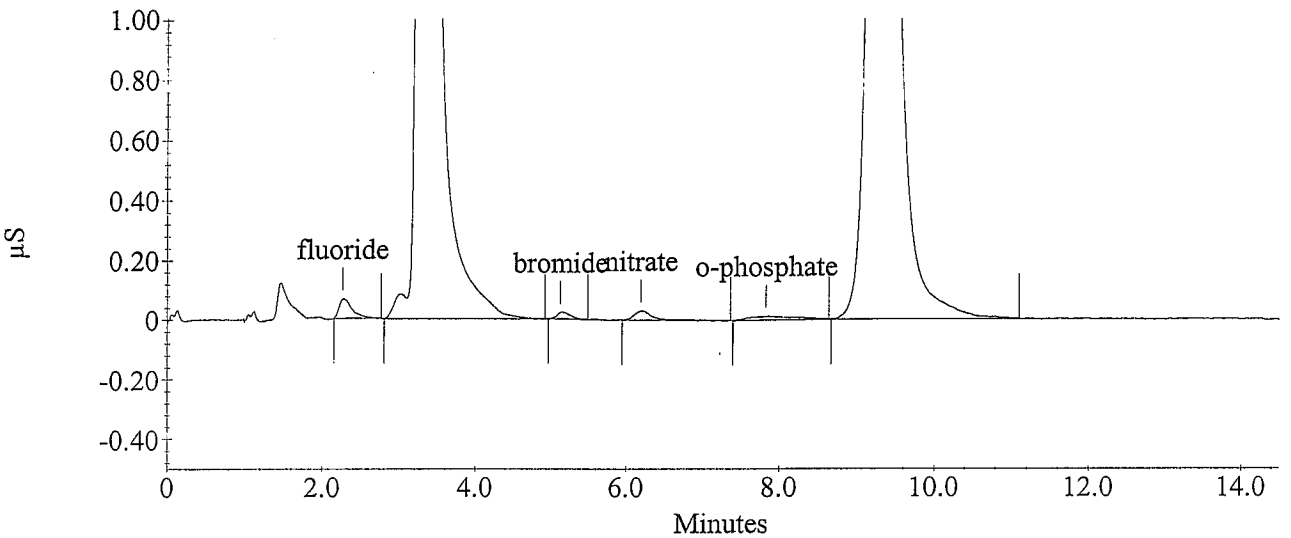
Sample Name : HEN6F
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6F_061.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 61
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:17:05 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN6F



HEN6F



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN6F
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6F_061.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 61
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:17:05 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.35	7570	639
chloride	3.30	227.48	4784906	556731
nitrite				
bromide	5.13	0.41	2594	214
nitrate	6.20	0.13	4662	308
o-phosphate	7.83	0.28	4962	122
sulfate	9.27	74.26	951422	44032

Peak Information : Unknown Peaks

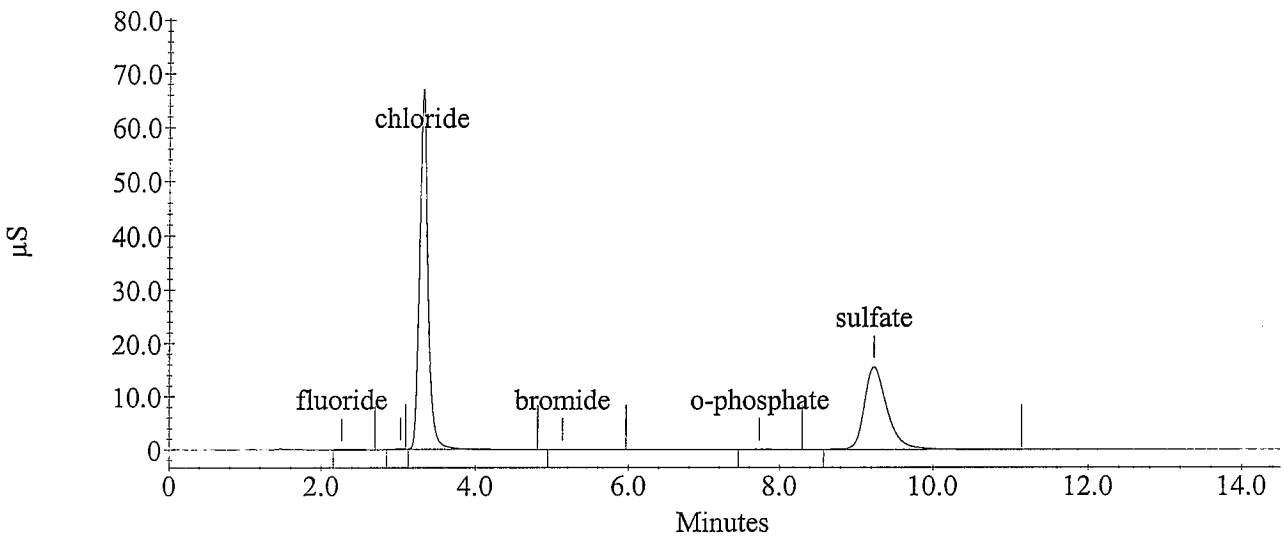
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

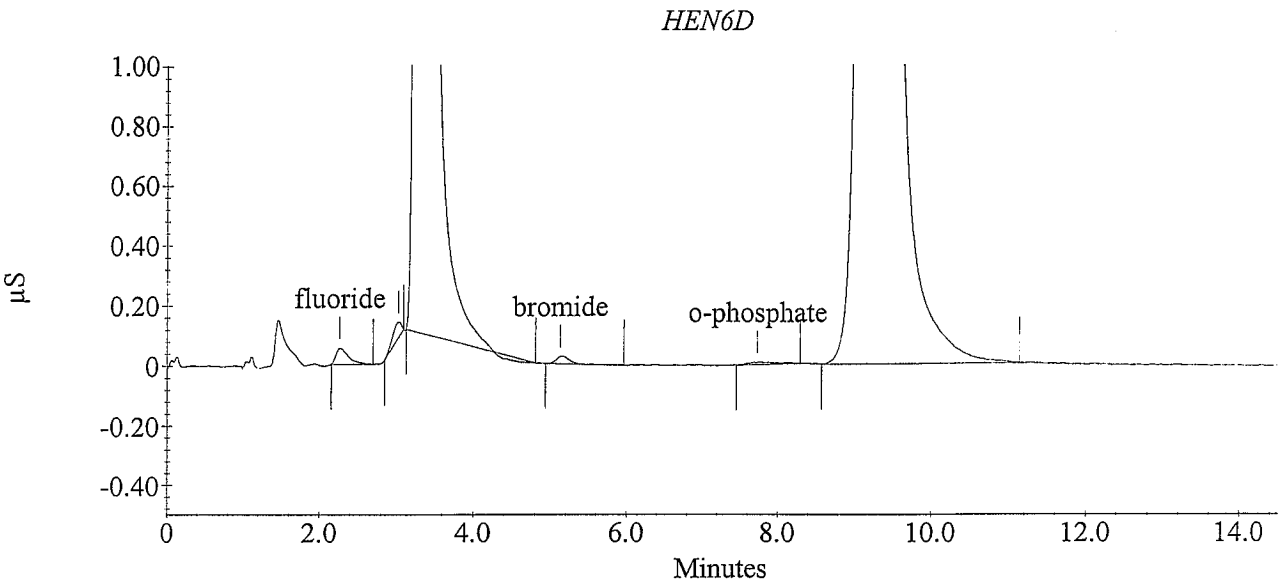
Sample Name : HEN6D
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6D_062.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 62
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:33:59 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN6D



HEN6D



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN6D
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6D_062.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 62
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:33:59 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.28	5885	526
chloride	3.30	240.58	5068635	521548
nitrite				
bromide	5.13	0.48	3090	235
nitrate				
o-phosphate	7.73	0.12	2014	65
sulfate	9.23	238.91	3146362	154412

Peak Information : Unknown Peaks

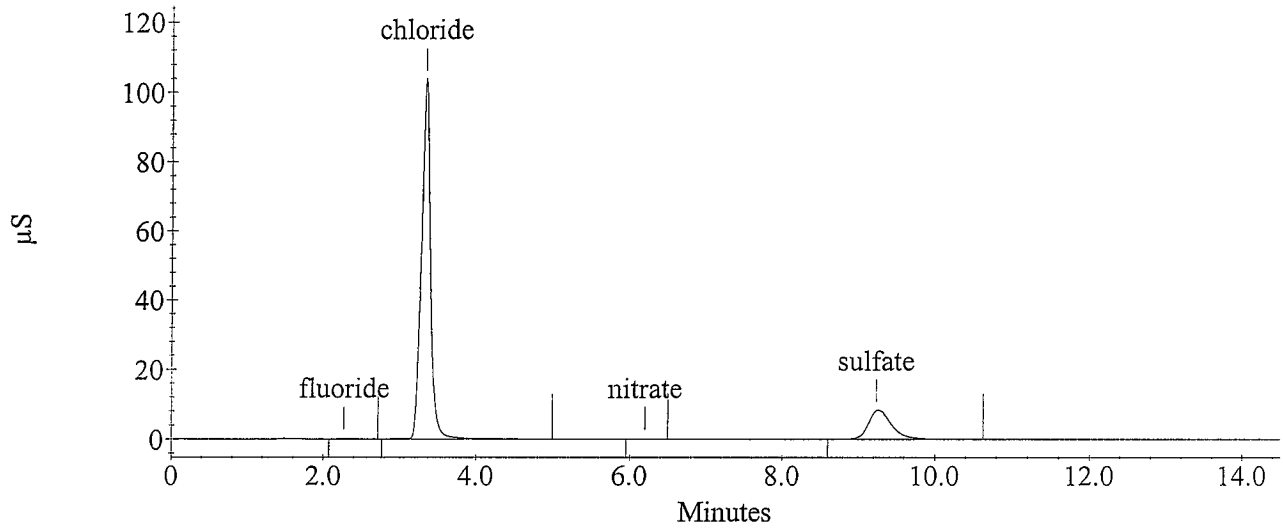
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	4218	514

STL North Canton Ion Chromatography Analysis Report

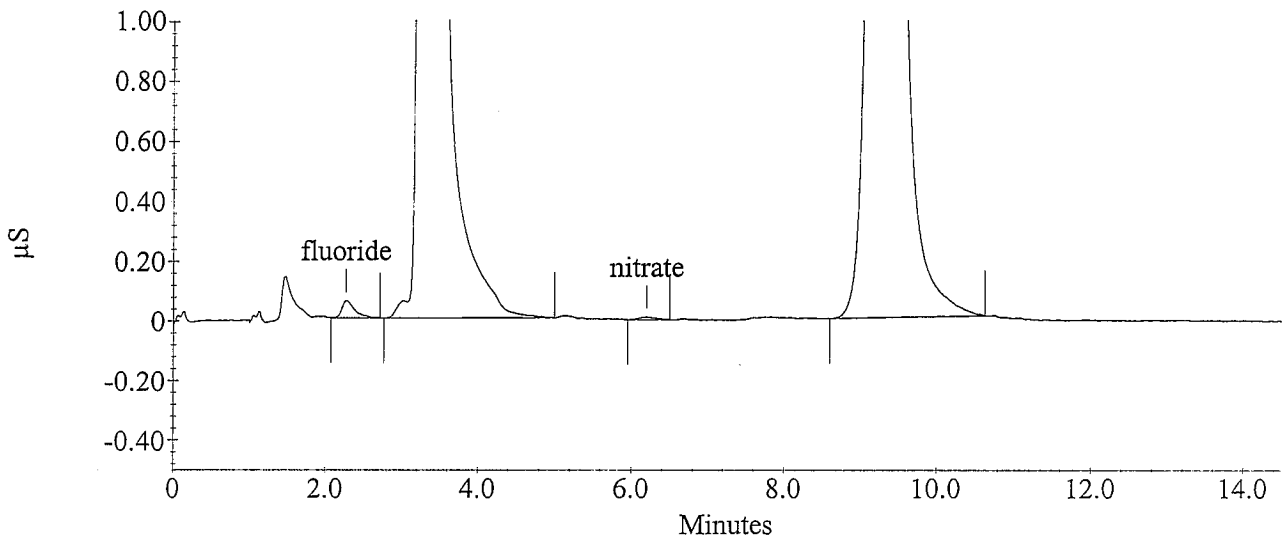
Sample Name : HEN6W
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6W_063.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 63
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:50:59 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN6W



HEN6W



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN6W
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN6W_063.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 63
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 6:50:59 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.30	6491	565
chloride	3.33	401.34	8635289	1033469
nitrite				
bromide				
nitrate	6.20	0.04	1349	87
o-phosphate				
sulfate	9.23	132.31	1711359	80457

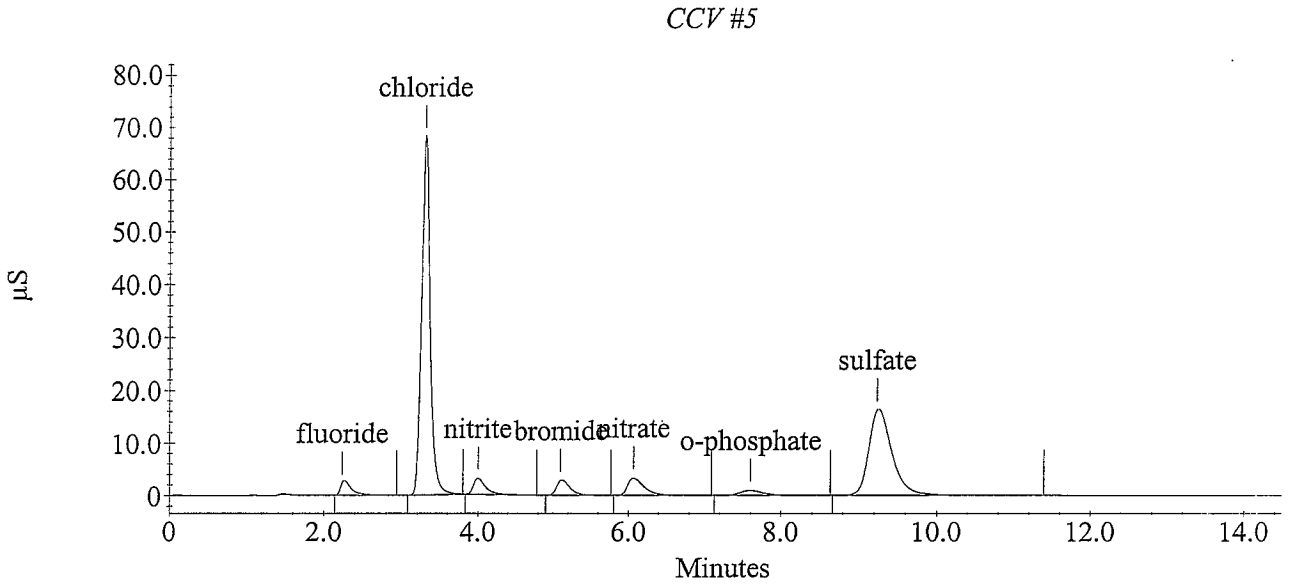
Peak Information : Unknown Peaks

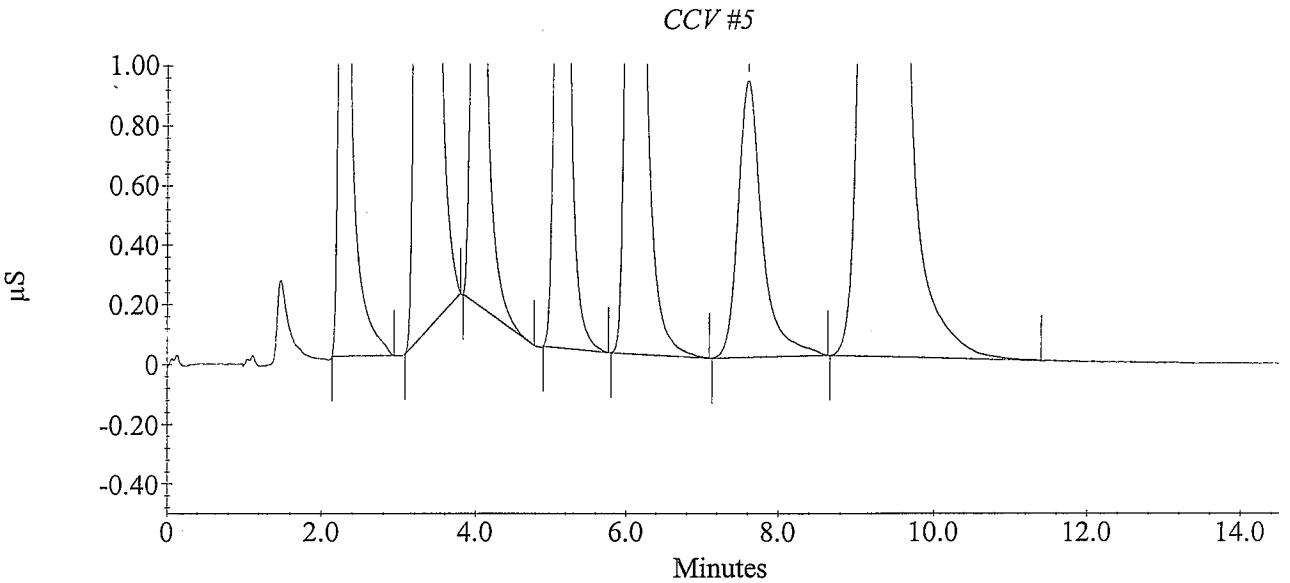
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #5
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #5_064.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 64
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:07:56 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #5
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #5_064.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 7/1/05 7:07:56 AM
Sample Weight : 1.00000

Injection Number : 64
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.47	270778	22632
chloride	3.30	50.55	5333889	678149
nitrite	4.00	2.47	336074	30368
bromide	5.10	10.30	339570	27398
nitrate	6.07	2.60	484756	32340
o-phosphate	7.60	2.36	202017	9212
sulfate	9.23	50.47	3331250	160416

Peak Information : Unknown Peaks

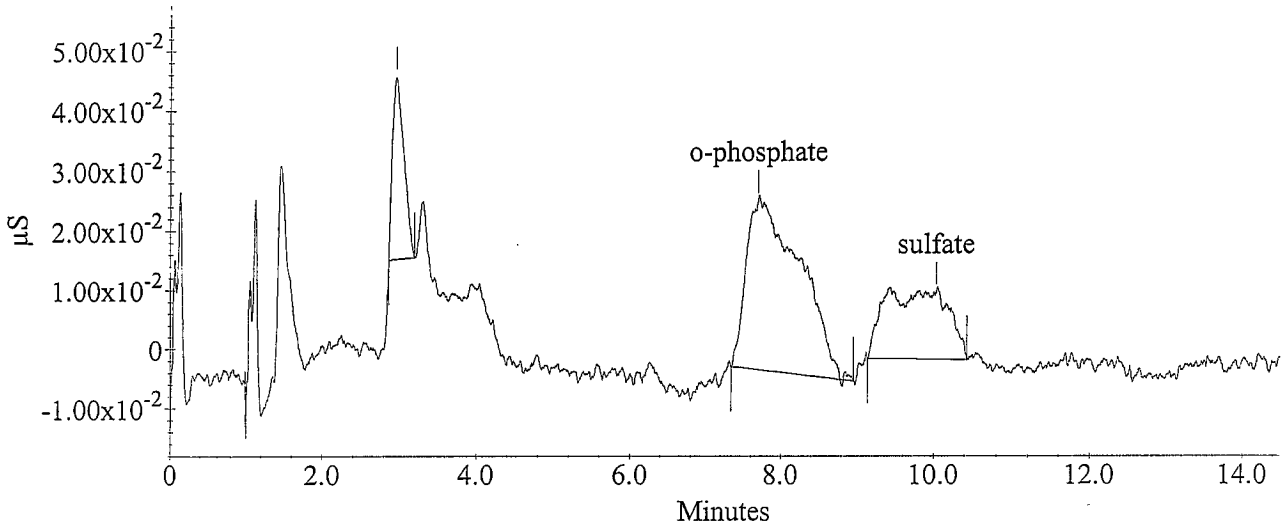
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

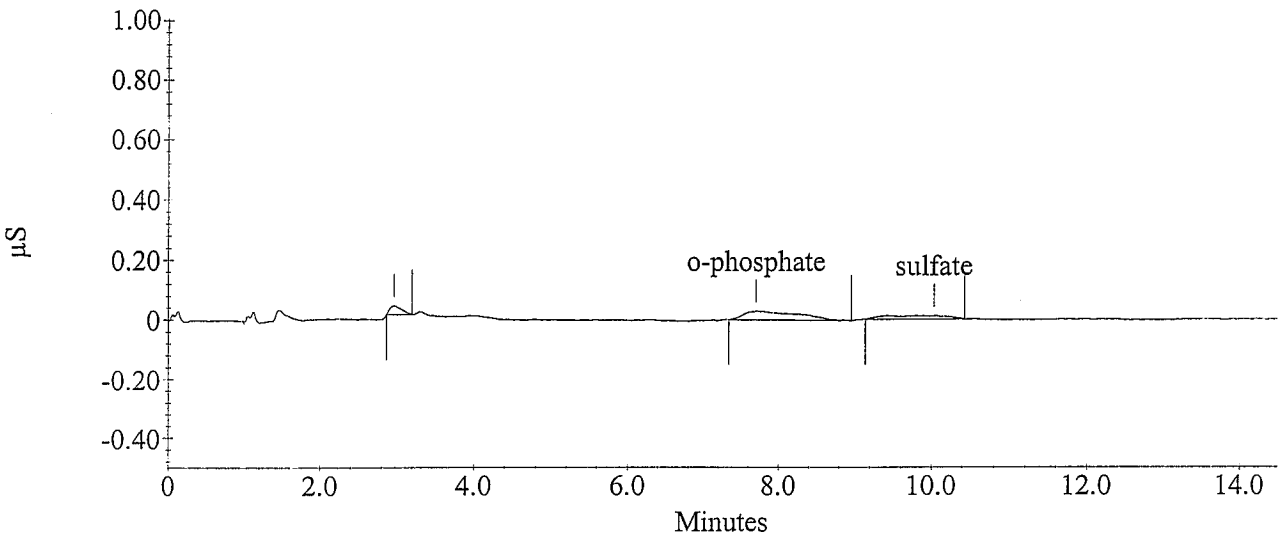
Sample Name : CCB #5
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #5_065.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 65
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:24:57 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #5



CCB #5



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #5
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #5_065.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 65
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:24:57 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	3145	302
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.70	0.17	14456	284
sulfate	10.03	0.11	6687	112

Peak Information : Unknown Peaks

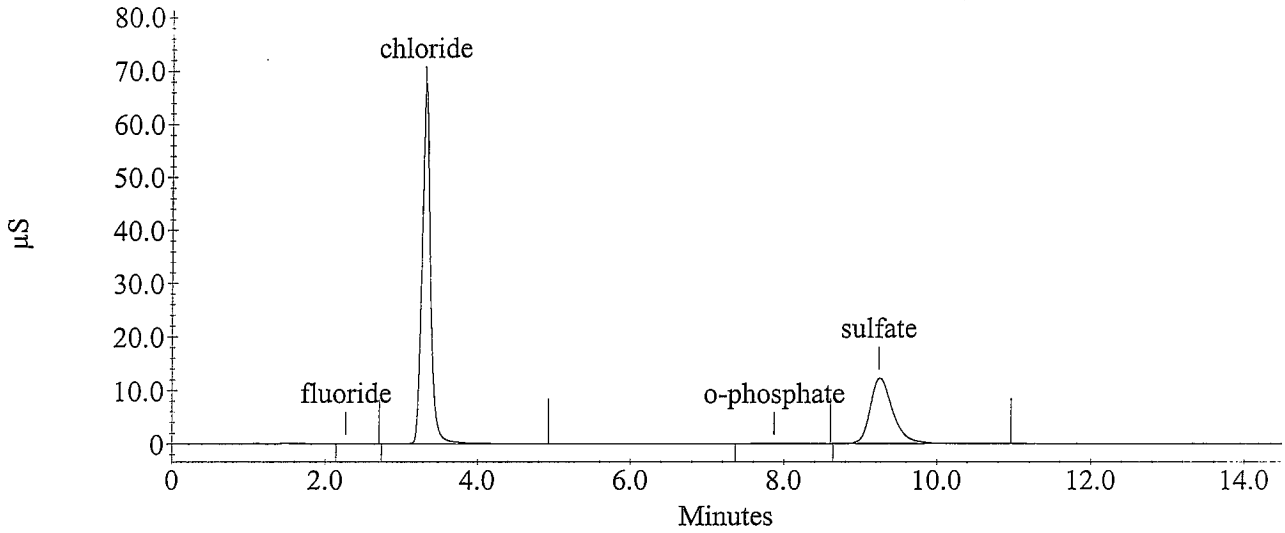
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	3145	302

STL North Canton Ion Chromatography Analysis Report

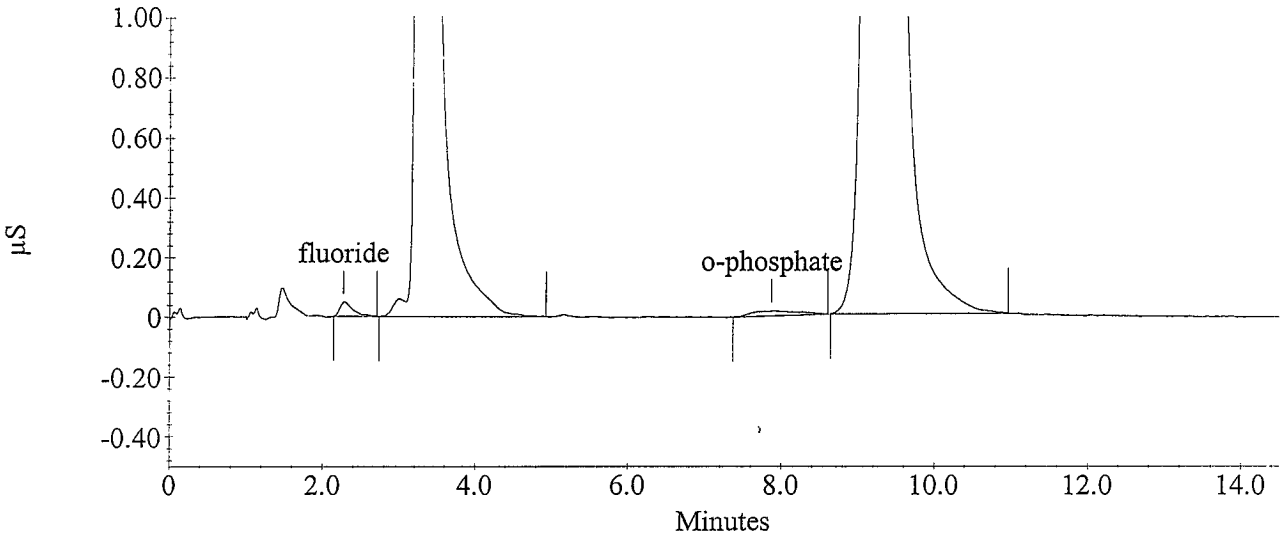
Sample Name : HEN65
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN65_066.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 66
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:41:55 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN65



HEN65



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN65
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN65_066.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 66
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:41:55 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.26	5485	458
chloride	3.30	246.62	5199928	646390
nitrite				
bromide				
nitrate				
o-phosphate	7.87	0.41	7103	161
sulfate	9.23	192.37	2513217	121414

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

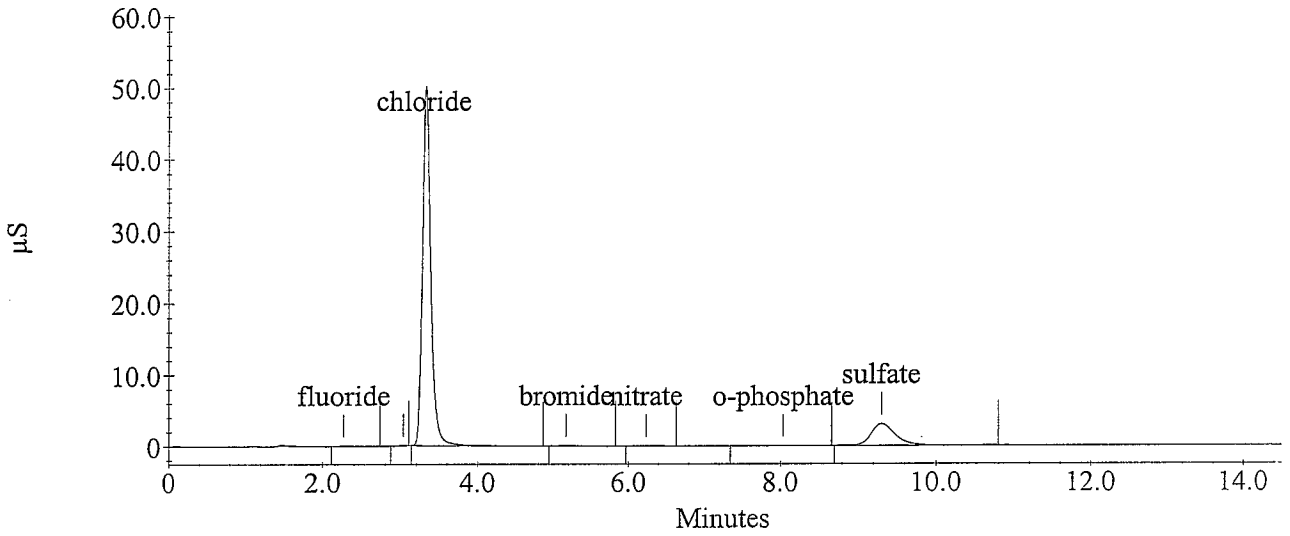
Current Date : 7/1/0
Current Time : 07:56:41

STL North Canton Ion Chromatography Analysis Report

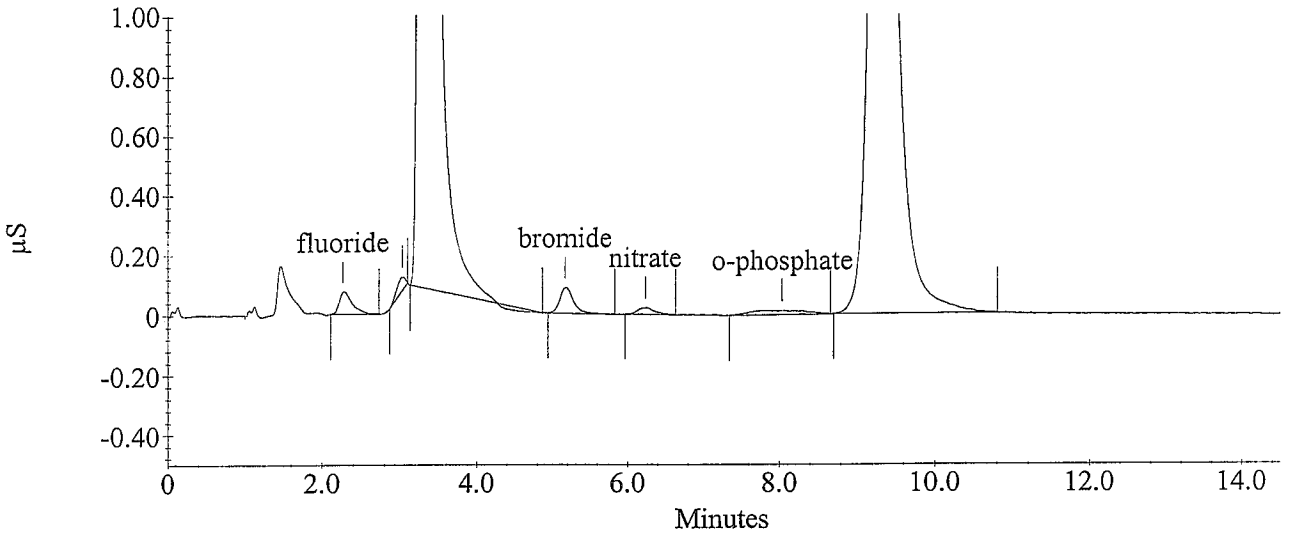
Sample Name : HEN68
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN68_067.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 67
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 7:58:53 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN68



HEN68



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN68
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN68_067.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 7/1/05 7:58:53 AM
Sample Weight : 1.00000
Injection Number : 67
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.39	8314	711
chloride	3.30	177.65	3713517	409526
nitrite				
bromide	5.17	1.68	10766	837
nitrate	6.23	0.09	3405	214
o-phosphate	8.03	0.39	6840	135
sulfate	9.30	50.68	646889	30116

Peak Information : Unknown Peaks

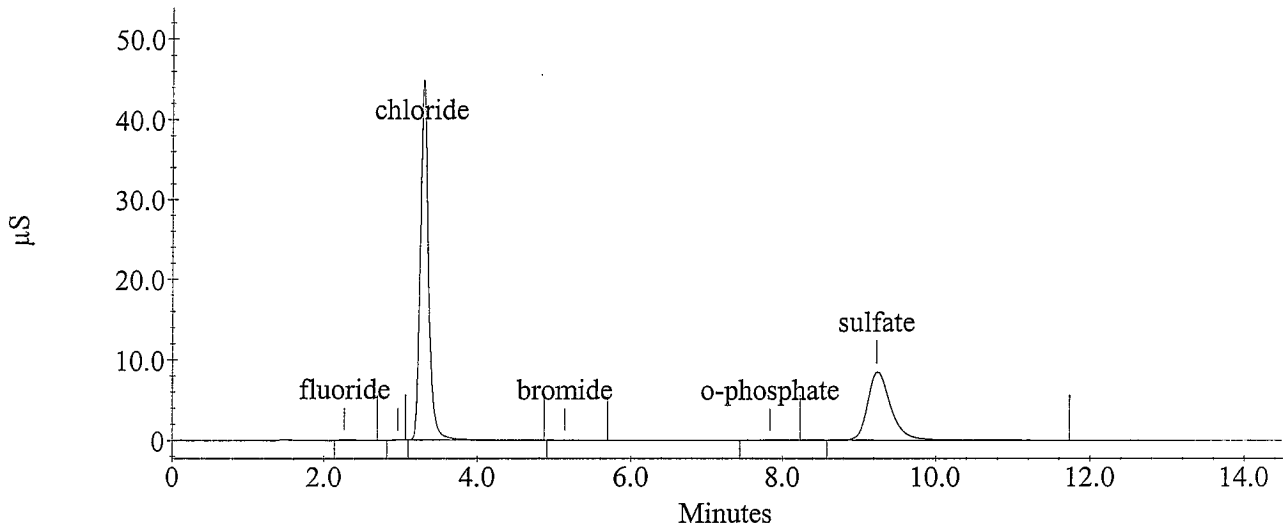
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.03	0.00	3442	448

STL North Canton Ion Chromatography Analysis Report

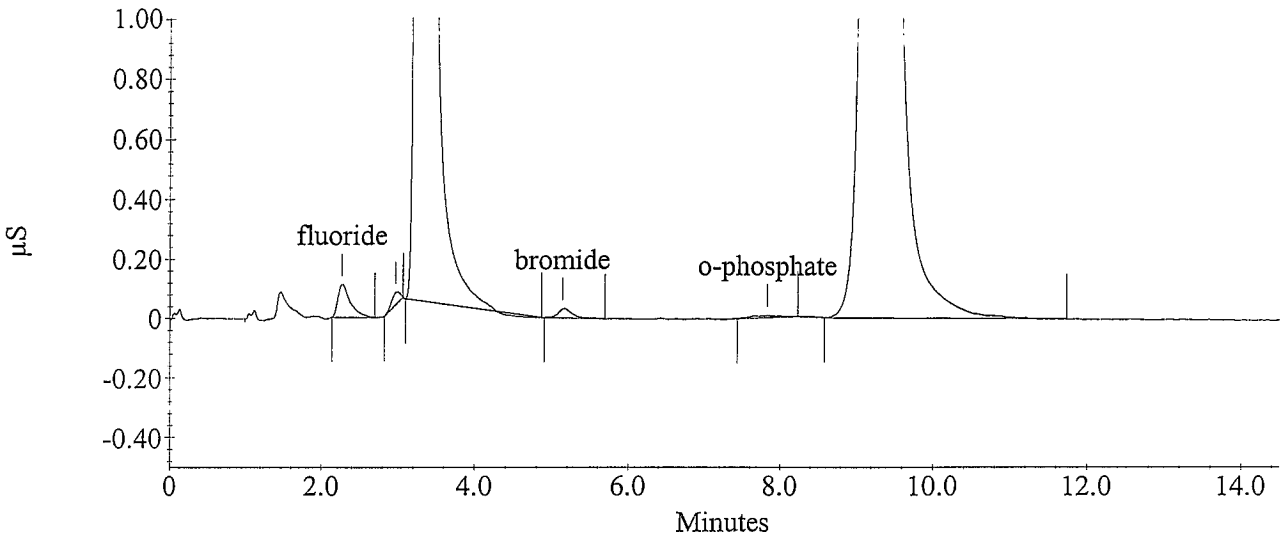
Sample Name : HEN7D
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7D_068.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 68
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:15:54 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN7D



HEN7D



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7D
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7D_068.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 68
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:15:54 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.58	12432	1096
chloride	3.27	157.97	3294126	349163
nitrite				
bromide	5.13	0.63	4032	294
nitrate				
o-phosphate	7.83	0.10	1659	67
sulfate	9.23	136.55	1767425	84067

Peak Information : Unknown Peaks

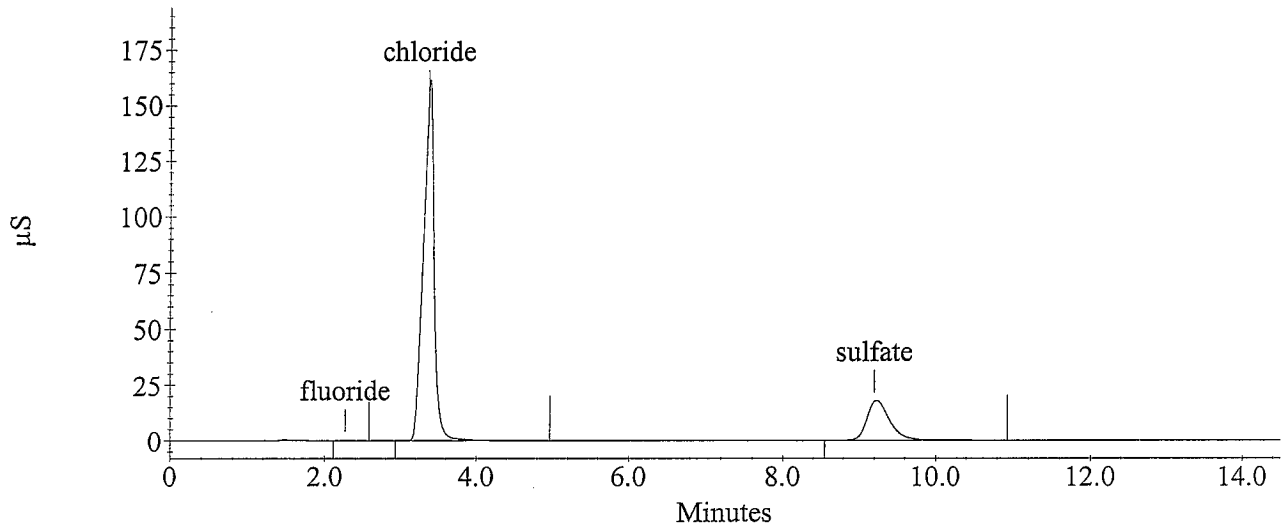
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	3053	412

STL North Canton Ion Chromatography Analysis Report

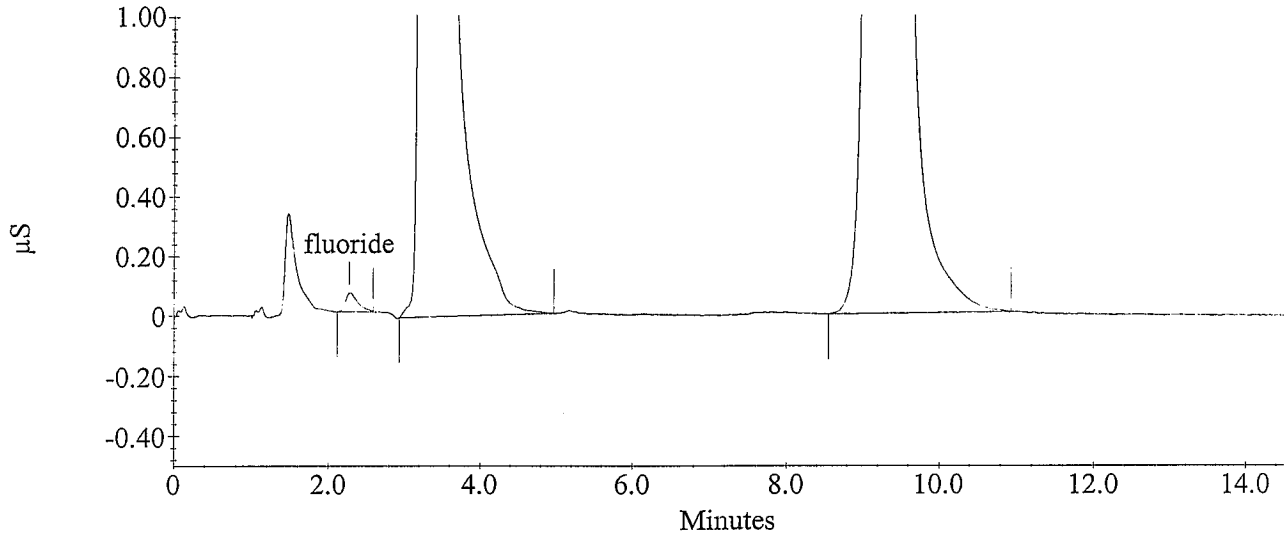
Sample Name : HEPDT
Data File Name : c:\peaknet\data\dx-120 data\063005\HEPDT_069.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 69
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:32:54 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEPDT



HEPDT



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEPDT
Data File Name : c:\peaknet\data\dx-120 data\063005\HEPDT_069.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 69
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:32:54 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.32	6864	612
chloride	3.37	707.00	15899392	1512760
nitrite				
bromide				
nitrate				
o-phosphate				
sulfate	9.20	274.50	3637626	173574

Peak Information : Unknown Peaks

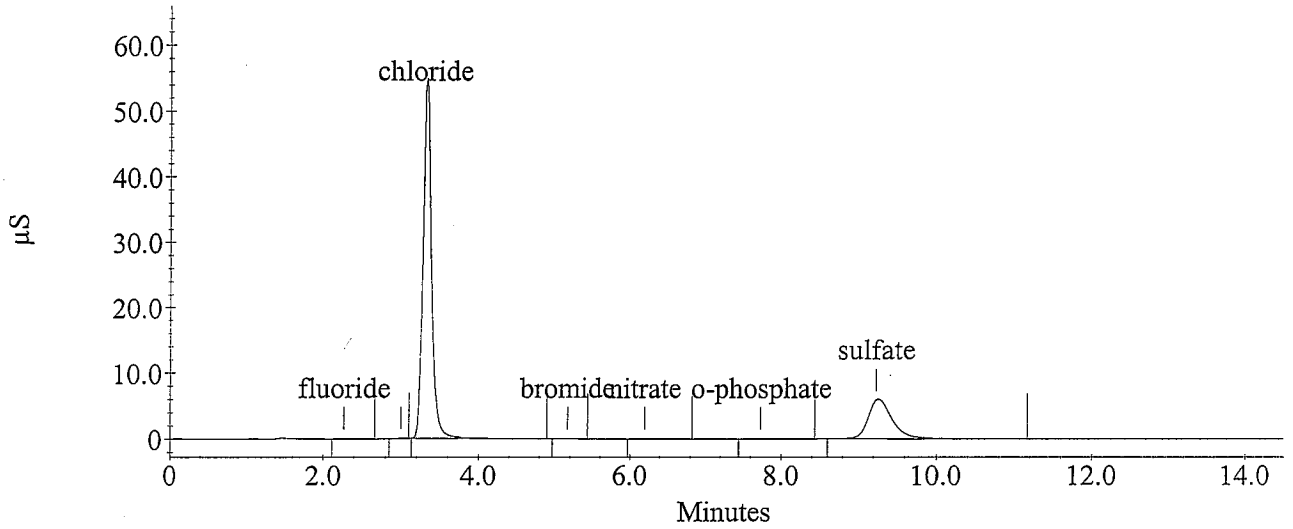
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

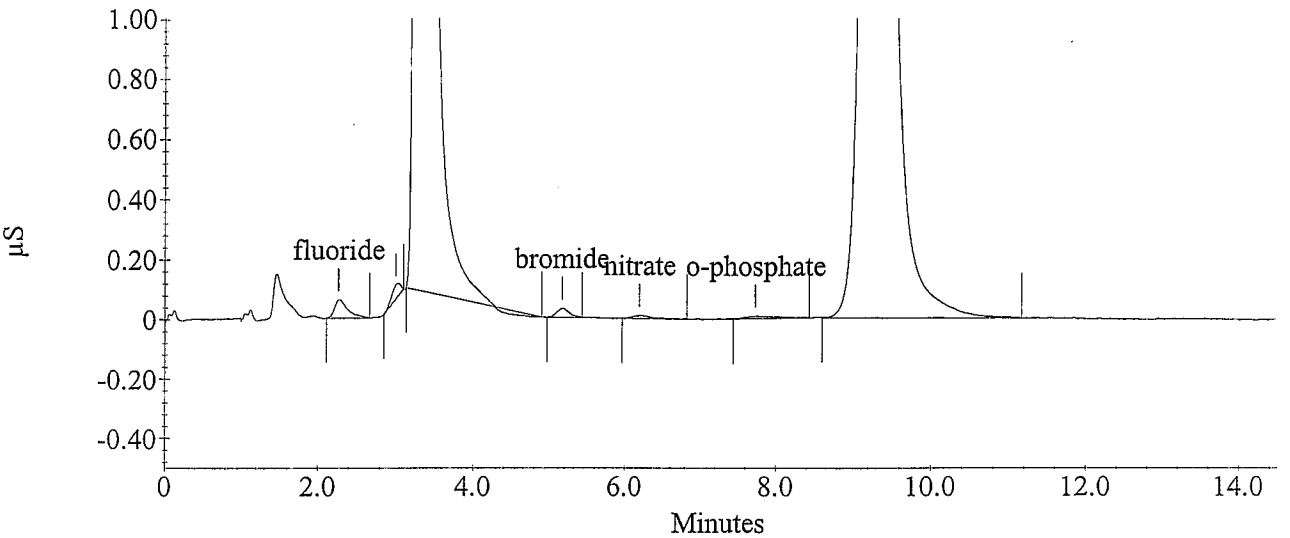
Sample Name : HEN7H
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7H_070.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 70
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:49:51 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN7H



HEN7H



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7H
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7H_070.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 70
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 8:49:51 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.34	7257	603
chloride	3.30	195.93	4105048	483344
nitrite				
bromide	5.17	0.54	3465	302
nitrate	6.20	0.04	1443	90
o-phosphate	7.73	0.15	2621	78
sulfate	9.23	98.21	1263157	58349

Peak Information : Unknown Peaks

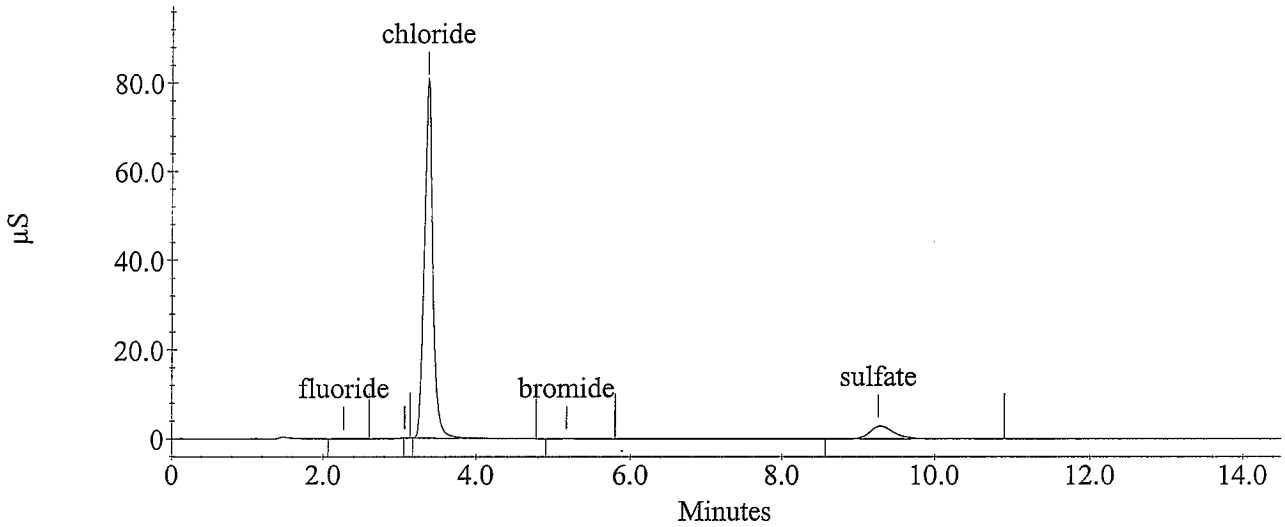
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	3528	463

STL North Canton Ion Chromatography Analysis Report

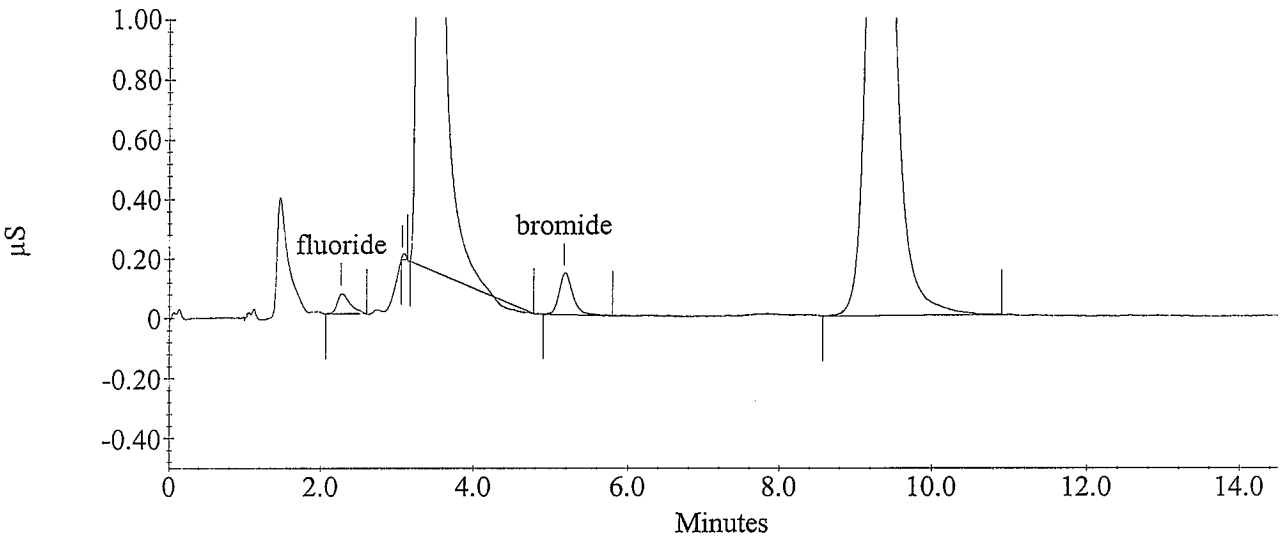
Sample Name : HEN7K
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7K_071.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 71
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:06:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN7K



HEN7K



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7K
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7K_071.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 71
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:06:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.36	7668	645
chloride	3.37	293.19	6218836	795628
nitrite				
bromide	5.17	2.70	17317	1348
nitrate				
o-phosphate				
sulfate	9.27	47.40	604723	27466

Peak Information : Unknown Peaks

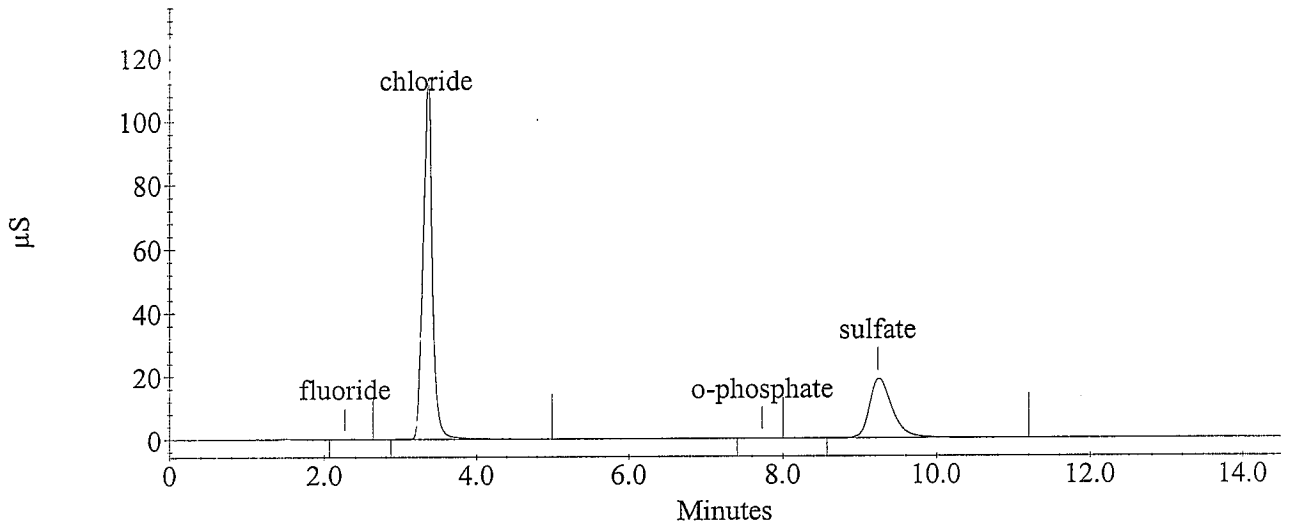
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.07	0.00	610	112

STL North Canton Ion Chromatography Analysis Report

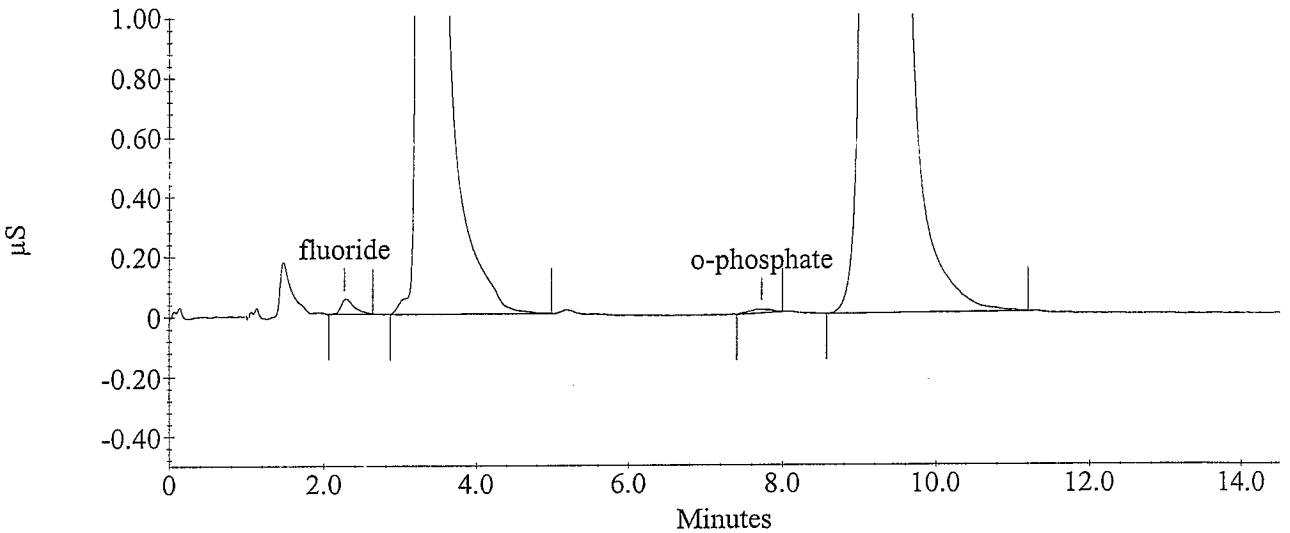
Sample Name : HEN7M
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7M_072.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 72
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:23:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

HEN7M



HEN7M



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7M
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7M_072.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 72
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:23:46 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.28	6018	475
chloride	3.33	451.80	9788056	967228
nitrite				
bromide				
nitrate				
o-phosphate	7.73	0.14	2476	117
sulfate	9.23	286.75	3808245	185724

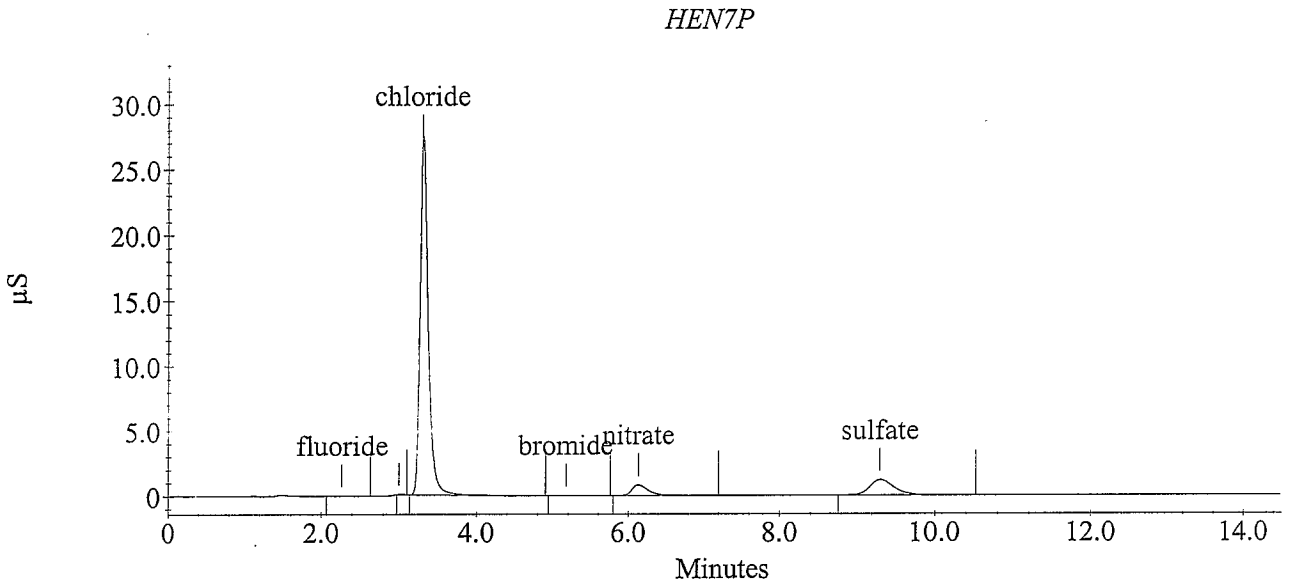
Peak Information : Unknown Peaks

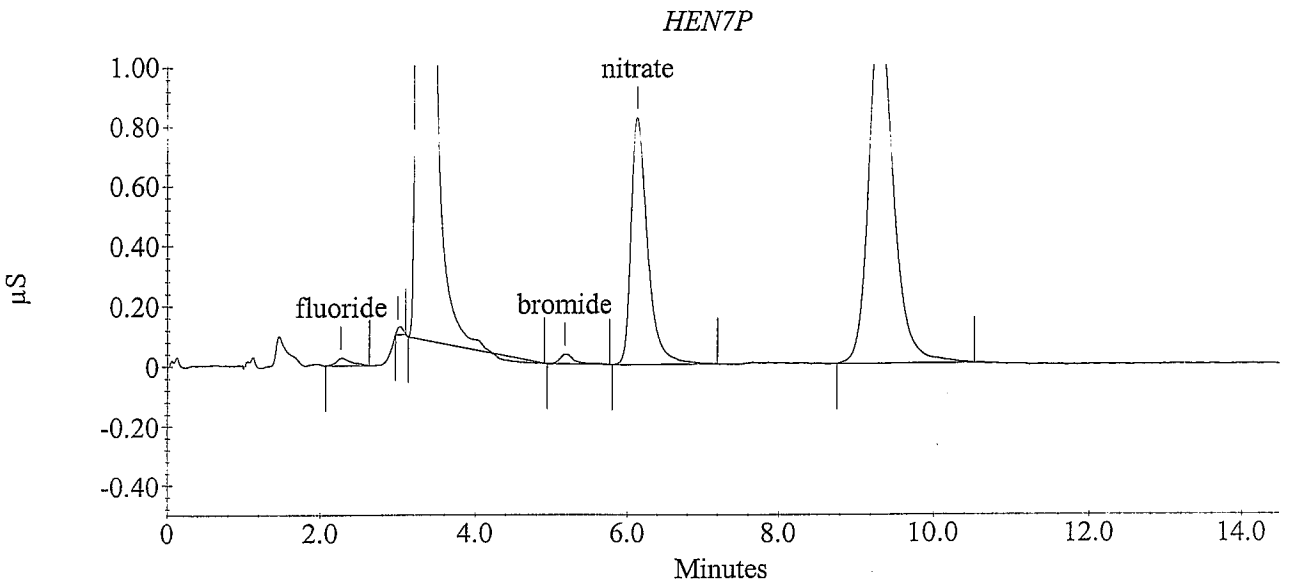
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7P
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7P_073.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 73
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:40:40 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 5.00





STL North Canton Ion Chromatography Analysis Report

Sample Name : HEN7P
Data File Name : c:\peaknet\data\dx-120 data\063005\HEN7P_073.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 7/1/05 9:40:40 AM
Sample Weight : 1.00000
Injection Number : 73
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 5.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.17	3530	249
chloride	3.30	96.68	2001125	266764
nitrite				
bromide	5.17	0.67	4279	310
nitrate	6.13	3.44	125290	8206
o-phosphate				
sulfate	9.30	20.15	255966	11753

Peak Information : Unknown Peaks

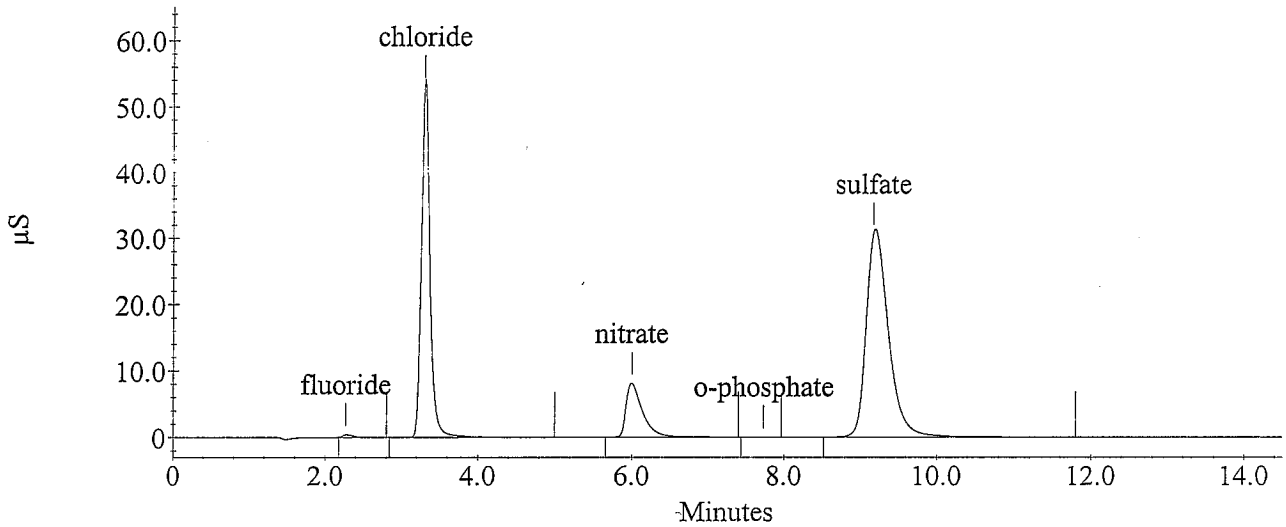
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	3.00	0.00	1251	205

STL North Canton Ion Chromatography Analysis Report

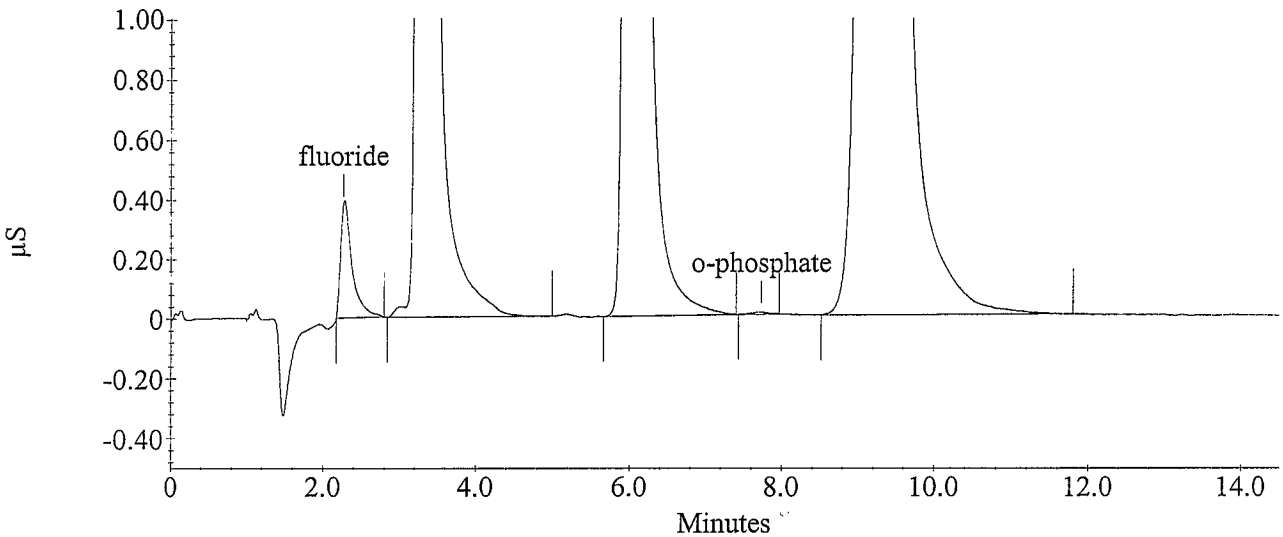
Sample Name : HEL6N
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6N_074.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 74
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:57:38 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEL6N



HEL6N



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL6N
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6N_074.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 74
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 9:57:38 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.38	40914	3762
chloride	3.30	39.37	4124545	529883
nitrite				
bromide				
nitrate	6.00	6.16	1207929	80610
o-phosphate	7.73	0.01	1103	68
sulfate	9.17	92.40	6341148	306077

Peak Information : Unknown Peaks

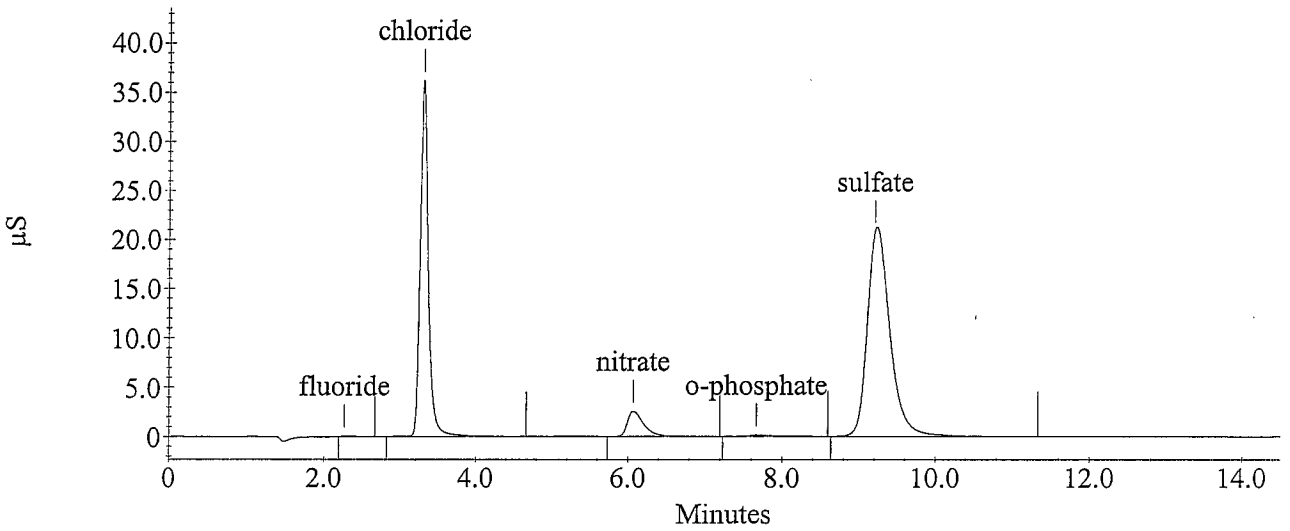
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

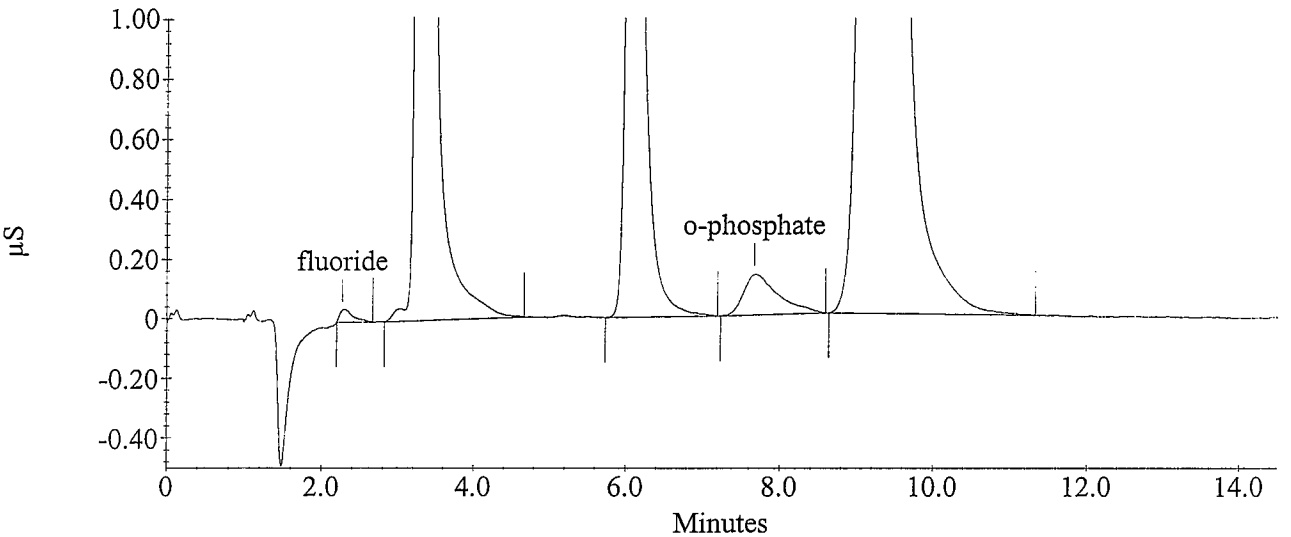
Sample Name : HEL6Q
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6Q_075.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 75
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:14:37 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

HEL6Q



HEL6Q



STL North Canton Ion Chromatography Analysis Report

Sample Name : HEL6Q
Data File Name : c:\peaknet\data\dx-120 data\063005\HEL6Q_075.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 75
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:14:37 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.27	0.05	4914	384
chloride	3.30	26.15	2717353	360306
nitrite				
bromide				
nitrate	6.07	2.04	378448	25257
o-phosphate	7.67	0.48	42038	1352
sulfate	9.20	64.55	4314235	207030

Peak Information : Unknown Peaks

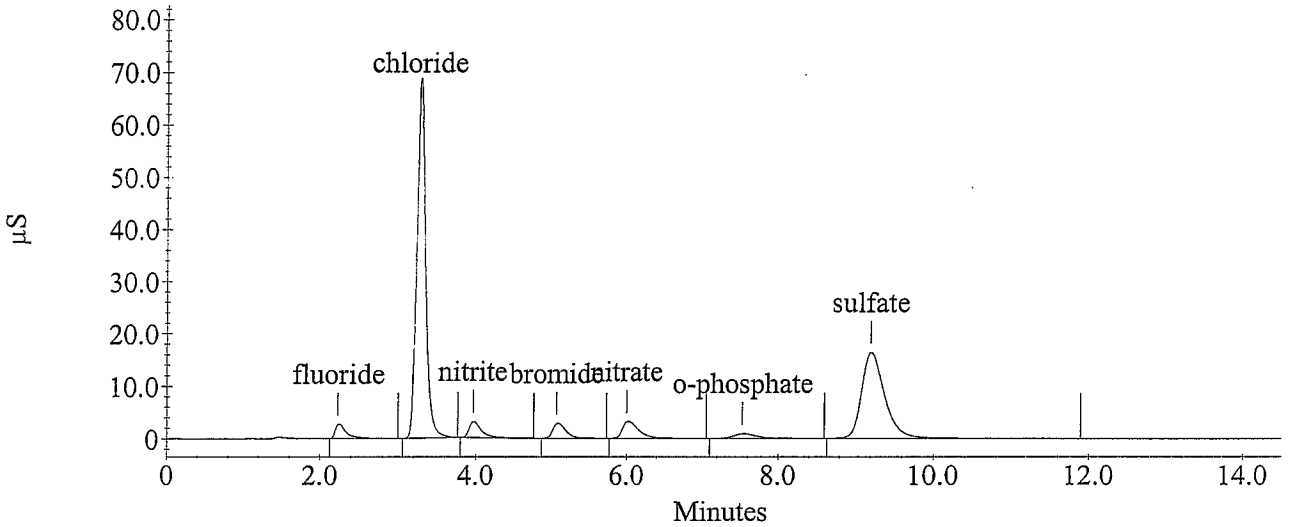
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

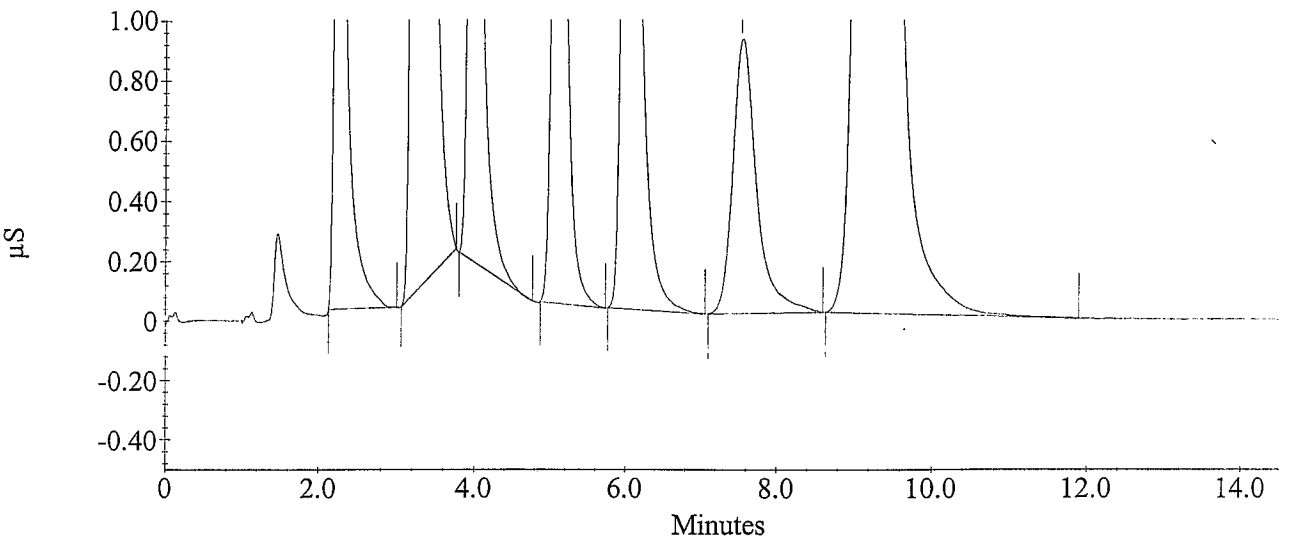
Sample Name : CCV #6
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #6_076.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 76
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:31:36 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCV #6



CCV #6



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCV #6
Data File Name : c:\peaknet\data\dx-120 data\063005\CCV #6_076.DXD

Method File Name : c:\peaknet\method\dx120 062105.met
Schedule File Name : ...\063005.sch
Date Time Collected : 7/1/05 10:31:36 AM
Sample Weight : 1.00000

Injection Number : 76
System Name : DIONEX DX-120
System Operator : DB
Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
fluoride	2.23	2.42	264941	26544
chloride	3.27	50.36	5312348	619492
nitrite	3.97	2.46	334431	30339
bromide	5.07	10.27	338685	27711
nitrate	6.00	2.59	483044	31123
o-phosphate	7.53	2.30	197252	9001
sulfate	9.20	50.53	3335330	162869

Peak Information : Unknown Peaks

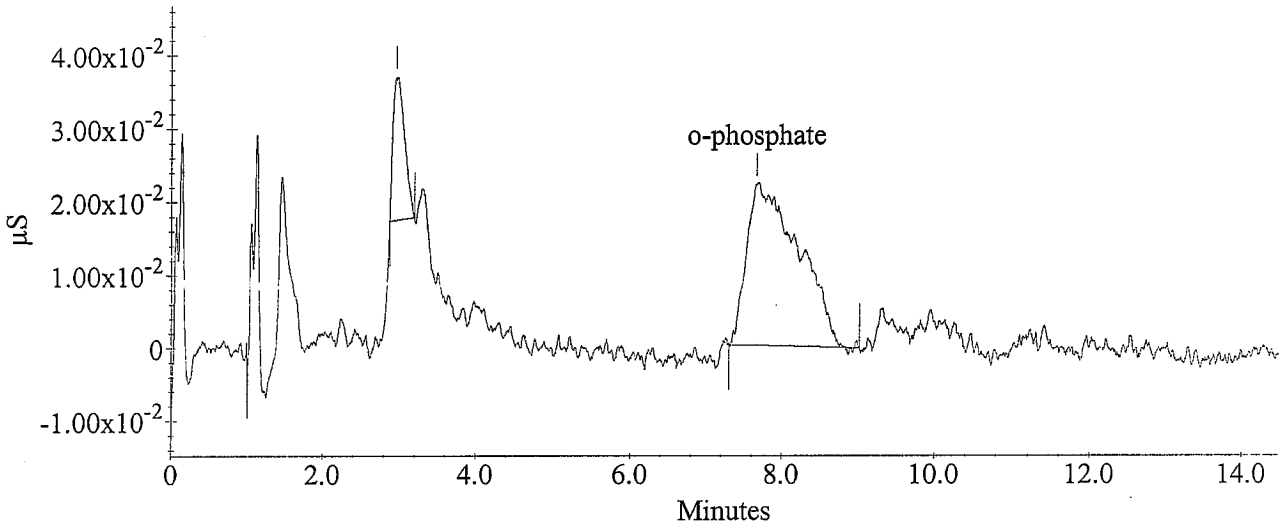
Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height

STL North Canton Ion Chromatography Analysis Report

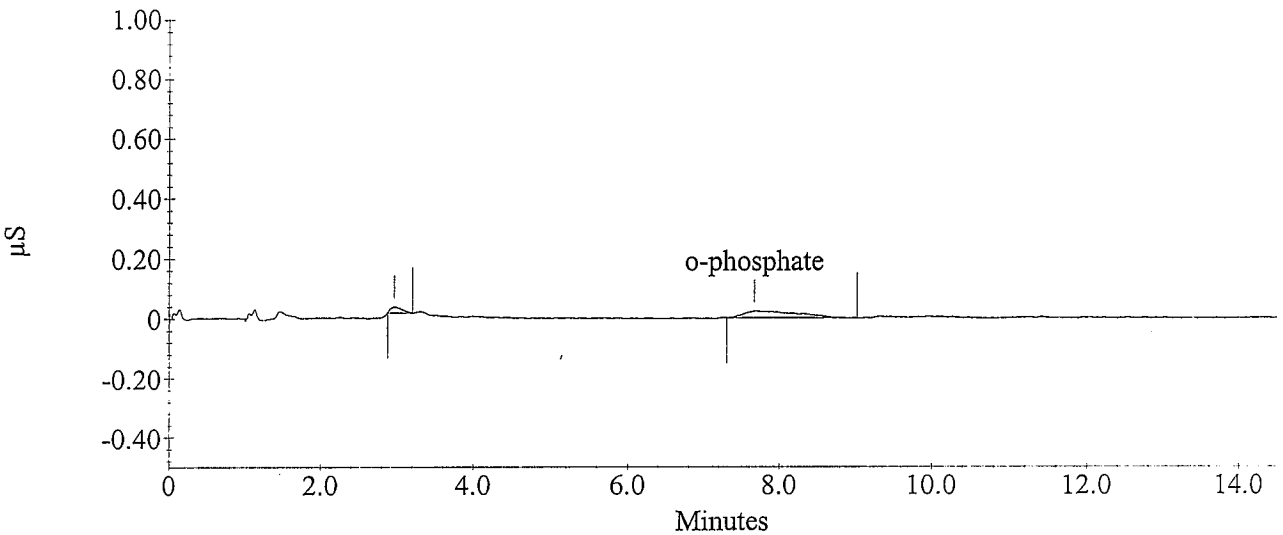
Sample Name : CCB #6
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #6_077.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 77
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:48:36 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

CCB #6



CCB #6



STL North Canton Ion Chromatography Analysis Report

Sample Name : CCB #6
Data File Name : c:\peaknet\data\dx-120 data\063005\CCB #6_077.DXD

Method File Name : c:\peaknet\method\dx120 062105.met	Injection Number : 77
Schedule File Name : ...\063005.sch	System Name : DIONEX DX-120
Date Time Collected : 7/1/05 10:48:36 AM	System Operator : DB
Sample Weight : 1.00000	Dilution Factor : 1.00

Peak Information : All Components

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	2044	195
chloride				
nitrite				
bromide				
nitrate				
o-phosphate	7.67	0.12	10711	220
sulfate				

Peak Information : Unknown Peaks

Component Name	Retention Time	Amount (mg/L)	Peak Area	Peak Height
	2.97	0.00	2044	195

STL North Canton General Chemistry Data Review Checklist

Parameter(s): Total Sulfide

Batch(es): 5187010

Method #/SOP#: 9030B / 9034

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?			X			✓
2. Calibration curve consist of the minimum number of calibration standards?			X			✓
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			X			✓
4. ICB analyzed immediately after ICV and within criteria (± RL)?			X			✓
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			X			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			X			✓
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			X			✓
2. All reported results bracketed by in control QC ?	X			✓		
3. Sample analyses done within holding time ?	X	X MFG 7/5/05		✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	X			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	X			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			X			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			X			✓
E. Reagents						
1. Titrant standardized?		X			✓	
2. If no, standardization expires 7/20/05						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			X			✓
2. Calculations checked for error ?			X			✓
3. Transcriptions checked for error ?	X			✓		
4. All client/project specific requirements met ?	X			✓		
5. Date/time of preparation and analysis verified as correct ?	X			✓		
6. Units verified as correct?	X			✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			X			✓
8. SOP followed?	X			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			X	✓		
10. All reagent and standard numbers recorded in logbook?	X			✓		
11. Edits dated and initialed	X			✓		

Comment on any "NO" response(s): Samples received past hold. MFG 7/5/05 Analyst looked @ wrong date! Samples done in hold.

Level I reviewer: Melissa A. Fuller-Gustavel Date: 7/5/05

Level II Reviewer: Angela Serra Date: 7/6/05

Level I review:

Sulfide Logsheet

Prep Date	7/5/2005	Analyst	MFG		Batch
					5187010
Anal Date	7/5/2005				
					Lcs No.
Titrant	SODIUM				SD5011
Name	THIOSULFATE		Name	Iodine	Prep Date
Normality	0.025		Normality	0.0282	6/20/2005
	Standardization				
Date	6/20/2005		Date	7/5/2005	RL
Intials	RN		Intials	RN	1 MG/L

Sample No.	Sample Vol	dil	Titrant Vol (ml)	Final Conc mg/L or mg/kg	QC/Calc
BLK	250	1	22.8	-0.38	
LCS	250	1	13.9	13.86	TV=12.85
LCSD	250	1	14	13.70	
HEN50	250	1	22.6	-0.06	
HEN59	250	1	22.5	0.10	
HEN6D	250	1	22.7	-0.22	
HEN6F	250	1	22.9	-0.54	
HEN6P	250	1	22.8	-0.38	
HEN6W	250	1	22.7	-0.22	
HEN61	250	1	22.6	-0.06	
HEPDT	250	1	22.8	-0.38	
HEN65	250	1	22.6	-0.06	
HEN68	250	1	22.7	-0.22	
HEN7D	250	1	22.9	-0.54	
HEN7F	250	1	22.7	-0.22	
HEN7H	250	1	22.8	-0.38	

STL – NORTH CANTON
SULFIDE, REACTIVE SULFIDE LOGSHEET

Prep/Anal Date 7/5/05
Analyst MFG
RL 0.5 mg/L
SODIUM THIOSULFATE
Normality .025
Standardization Date 6/20/05
Initials RN

Batch 5787010
LCS No. SD5011
LCS Prep Date 6/20/05
IODINE # mls used 20
Normality .0282
Standardization Date 7/5/05
Initials RN

Sample	Sample Volume	Dil	Titrant Vol (mL)	Final Conc	Units	QC Calc and Comments
Blank	250ml		22.8			
LCS			13.9			TV = 12.85 mg/L
LCSD			14.0			
HEN5D			22.6			
HEN59			22.5			LCS: 2ml SD5011 → 250ml DI
HEN6D			22.7			TV = 12.85 mg/L
HEN6F			22.9			as determined by
HEN6P			22.8			RN 7/5/05
HEN6W	250ml		22.7			
HEN61			22.6			
HEPDT			22.8			
HEN65			22.6			
HEN68			22.7			
HEN7D			22.9			
HEN7F			22.7			
HEN7H			22.8			WR506672
						WR506673
						WR50458
			MFG 7/5/05			WR506674
						WR50523/6671
						WR506676

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STL North Canton General Chemistry Data Review Checklist

Parameter(s): Sulfides

Batch(es): 5187439

Method #/SOP#: 9030 B

Review Items	Level I Review			Level II Review		
	YES	NO	N/A	YES	NO	N/A
A. Initial Calibration						
1. Initial calibration correlation coefficient ≥ 0.995?			✓			✓
2. Calibration curve consist of the minimum number of calibration standards?			✓			✓
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)			✓			✓
4. ICB analyzed immediately after ICV and within criteria (±RL)?			✓			✓
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?			✓			✓
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?			✓			✓
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?			✓			✓
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?			✓			✓
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
E. Titrant						
1. Titrant standardized?		✓			✓	
2. If no, standardization expires 7/20/05						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?			✓			✓
2. Calculations checked for error ?	✓			✓		
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?	✓			✓		
5. Date/time of preparation and analysis verified as correct ?	✓			✓		
6. Units verified as correct?	✓			✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?			✓			✓
8. SOP followed?	✓			✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?	✓			✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s):

Level I reviewer: [signature] Date: 7/7/05

Level II Reviewer: Angela Serra Date: 7/7/05

Level I review:

Sulfide Logsheet

Prep Date	7/6/05	Analyst	DB		Batch 5187439
Anal Date	7/6/05				
					Lcs No.
Titrant	SODIUM				SD5011
Name	THIOSULFATE		Name	Iodine	Prep Date
Normality	0.025		Normality	0.028	6/20/05
	Standardization				
Date	6/20/05		Date	7/6/05	RL
Intials	RN		Intials	DB	1 MG/L

Sample No.	Sample Vol	dil	Titrant Vol (ml)	Final Conc mg/L or mg/kg	QC/Calc
BLK	250	1	22.4	0.00	
LCS	250	1	13.9	13.60	TV=14.88
LCSD	250	1	13.8	13.76	
HEN7K	250	1	22.5	-0.16	
HEN7M	250	1	22.6	-0.32	
HEN7P	250	1	22.0	0.64	
HEQ4D	250	1	22.7	-0.48	
HEQ4K	250	1	22.2	0.32	
HEQ4Q	250	1	22.5	-0.16	
HEQ4T	250	1	22.5	-0.16	
HEQ4X	250	1	22.2	0.32	
HEQ41	250	1	21.9	0.80	
HEQ45	250	1	22.1	0.48	
	250	1		35.84	
LCS 1	250	1	13.3	14.56	
LCS 2	250	1	13.0	15.04	
LCS 3	250	1	13.0	15.04	

STL – NORTH CANTON
SULFIDE, REACTIVE SULFIDE LOGSHEET

Prep/Anal Date 7/6/05
Batch 5187439
Analyst OB
LCS No. SD5011
RL
LCS Prep Date 6/20/05
SODIUM THIOSULFATE WR50458
IODINE # mls used 20.0
Normality 0.025
Normality 0.0280
Standardization Date 6/20/05
Standardization Date 7/6/05
Initials RN
Initials OB

Sample	Sample Volume	Dil	Titrant Vol (mL)	Final Conc	Units	QC Calc and Comments
Blank			22.4			
LCS			13.9			TV = 14.88
HEN7K			22.5			
HEN7M			22.6			
HEN7P			22.0			
HEQ4D			22.7			
HEQ4K			22.2			
HEQ4Q			22.5			
HEQ4T			22.5			
HEQ4X			22.2			Starch WR 50676
HEQ41			21.9			Iodine WR50674
HEQ45			22.1			Buffer WR50671
LCS DUP			13.8			formaldehyde - WR50453
						Sulfuric Acid WR50672
LCS1			13.3	14.56		
LCS2			13.0	15.04		Ave = 14.88
LCS3			13.0	15.04		

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Parameter(s): CN⁻

Batch(es): 5189368/9

Method #/SOP#: 9012A

Review Items	Level I Review			Level II Review		
A. Initial Calibration	YES	NO	N/A	YES	NO	N/A
1. Initial calibration correlation coefficient ≥ 0.995?	✓			✓		
2. Calibration curve consist of the minimum number of calibration standards?				✓		
3. ICV analyzed at immediately after calibration and within control limits ? (TRAACS Nitrate/Nitrite, Cyanide 85-115%; all others 90-110%)				✓		
4. ICB analyzed immediately after ICV and within criteria (± RL)?				✓		
B. Continuing Calibration						
1. CCV analyzed every 10 samples, at end of sequence and within criteria?	✓			✓		
2. CCB analyzed every 10 samples, at end of sequence & within criteria (±RL)?	✓			✓		
C. Sample Results						
1. Were samples with concentrations > the linear range diluted and reanalyzed ?	✓			✓		
2. All reported results bracketed by in control QC ?	✓			✓		
3. Sample analyses done within holding time ?	✓			✓		
D. Quality Control						
1. LCS per prep batch and within QC limits ? *(LCSD, where applicable)*	✓			✓		
2. Method blank done per prep batch and < RL. Method blank RL supports the lowest RL reported for the batch?	✓			✓		
3. MS/MSD run at required frequency and evaluated? MS/MSD reported properly and calculated correctly?	✓			✓		
4. Duplicate samples run at required frequency (duplicate sample performed per matrix encountered)?			✓			✓
E. Titrant						
1. Titrant standardized?			✓			✓
2. If no, standardization expires						
F. Other						
1. Are all nonconformances documented appropriately (NCM or narrative)?	✓					✓
2. Calculations checked for error ?			✓	✓		
3. Transcriptions checked for error ?	✓			✓		
4. All client/project specific requirements met ?				✓		
5. Date/time of preparation and analysis verified as correct ?				✓		
6. Units verified as correct?				✓		
7. Dilutions have been properly applied and RL's adjusted appropriately?				✓		
8. SOP followed?				✓		
9. Calculations checked at minimum frequency (at least 20%, 100% for QC)?			✓	✓		
10. All reagent and standard numbers recorded in logbook?	✓			✓		
11. Edits dated and initialed	✓			✓		

Comment on any "NO" response(s): HEPOT – interference

Level I reviewer: QC **Date:** 7/11/05

Level II Reviewer: Angela Dunlap **Date:** 7/11/05

Level I review:

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

Name of Run	: 050708A	Name of Analysis	: CN-NONCLPCHANNEL2.ANL
Date of Report	: 7/8/05	System No.	: 2
Date of Run	: 7/8/05	Type of System	: TRAACS
Operator	: OC	Start/Stop time	: 12:39 - 13:23
Comment	:		

5199368

MS# 5192123

Channel Type	: Real	Data	Data
Channel	: 2	1	2
Method	: CN-Method 2	Weight	Dilution
Unit	: mg/L		
Calibr. Fit	: Linear		
Corr. Coeff.	: 1.0000 ✓		
Base	: 70		
Gain	: 72		
Sensitivity	: 0.1455		
Sample Limit 1	:		
Sample Limit 2	:		

Pk	Cup		Sample Id	Conc	Conc	Conc
0	0	B	Baseline	-0.0012	0.0000	0.0000
1	1	P	Primer	0.1987	1.0000	1.0000
2	1	C	.200 PPM cy50206	0.1994	1.0000	1.0000
3	2	C	.100 PPM 7	0.1006	1.0000	1.0000
4	3	C	.050 PPM 8	0.0511	1.0000	1.0000
5	4	C	.025 PPM 9	0.0250	1.0000	1.0000
6	5	C	.010 PPM 10	0.0097	1.0000	1.0000
7	6	C	.005 PPM 11	0.0042	1.0000	1.0000
8	1	H1	High	0.1999	1.0000	1.0000
9	0	L1	Low	-0.0001	1.0000	1.0000
10	0	L1	Low	0.0000	1.0000	1.0000
11	2	D	Drift	0.1004	1.0000	1.0000
12	7	QC1	ICV cy50214	0.0986 ✓	1.0000	1.0000
13	8	QC2	ICB	-0.0006 ✓	1.0000	1.0000
14	5	QC10.01		0.0101 ✓	1.0000	1.0000
15	9	QC3	PREP BLK	-0.0010 ✓	1.0000	1.0000
16	10	QC4	LCS	0.4503 /.449	1.0000	5.0000
17	11	S	0.025	0.0238 /.025	1.0000	1.0000
18	12	S	0.075	0.0734 /.075	1.0000	1.0000
19	13	S	HEN50	-0.0002	1.0000	1.0000
20	14	S	HEN59	-0.0005	1.0000	1.0000
21	15	S	HEN6D	-0.0004	1.0000	1.0000
22	16	S	HEN6G	-0.0007	1.0000	1.0000
23	17	S	HEN6F	-0.0011	1.0000	1.0000
24	18	S	HEN6G	-0.0012	1.0000	1.0000

25	19	S	HEN6P	-0.0013	1.0000	1.0000
26	20	S	HEN6W	-0.0009	1.0000	1.0000
27	5	QC10.01		0.0091 ✓	1.0000	1.0000
28	2	QC1 CCV		0.1043 ✓	1.0000	1.0000
29	8	QC2 CCB		-0.0011 ✓	1.0000	1.0000
30	21	S	HEN61	-0.0003	1.0000	1.0000
31	22	S	HEN65	-0.0002	1.0000	1.0000
32	23	S	HEN68	-0.0008	1.0000	1.0000
33	24	S	HEN7D	-0.0009	1.0000	1.0000
34	25	S	HEN7F	-0.0005	1.0000	1.0000
35	26	S	HEN7H	0.0007	1.0000	1.0000
36	27	S	HEN7K	-0.0006	1.0000	1.0000
37	28	S	HEN7M	0.0000	1.0000	1.0000
38	29	S	HEN7P	-0.0004	1.0000	1.0000
39	30	S	HEPDT	-0.0011	1.0000	1.0000
40	5	QC100.01		-0.0007 4	1.0000	1.0000
41	2	QC1 CCV		0.0736 4	1.0000	1.0000
42	8	QC2 CCB		0.0003	1.0000	1.0000
43	31	S	HENGH	-0.0012	1.0000	1.0000
44	32	S	HENGH MS 4	-0.0016	1.0000	1.0000
45	33	S	HENGH MSD 4	-0.0012	1.0000	1.0000
46	34	S	HEWFH LB	-0.0002	1.0000	1.0000
47	35	S	HERXP	-0.0007	1.0000	1.0000
48	36	S	HERON 4	0.0371	1.0000	1.0000
49	37	S	HEF1A 4	0.0708	1.0000	10.0000
50	5	QC100.01		0.0091 ✓	1.0000	1.0000
51	2	QC1 CCV		0.0960 ✓	1.0000	1.0000
52	8	QC2 CCB		0.0010 ✓	1.0000	1.0000
53	2	D	Drift	0.1004	1.0000	1.0000
54	0	B	FinalBase	-0.0012	1.0000	1.0000

re-run

re-run

4 re-distilled

QC Limits

QC
7/11/05

Channel : 2

QC 1 Unused
QC 2 Unused
QC 3 Unused
QC 4 Unused
QC 5 Unused
QC 6 Unused
QC 7 Unused
QC 8 Unused
QC 9 Unused
QC10 Unused

CORRECTIONS

Channel : 2
Baseline : Yes

Drift	:	Yes
Carry over	:	Yes
	%:	2.8

---

* ... Sample offscale
\+ ... Result higher than sample limit
\- ... Result lower than sample limit
P ... Standard passed
F ... Standard failed
N ... Value not calculated or not used
R ... Resample after offscale
M ... Peak marker moved manually
D ... Diluted sample

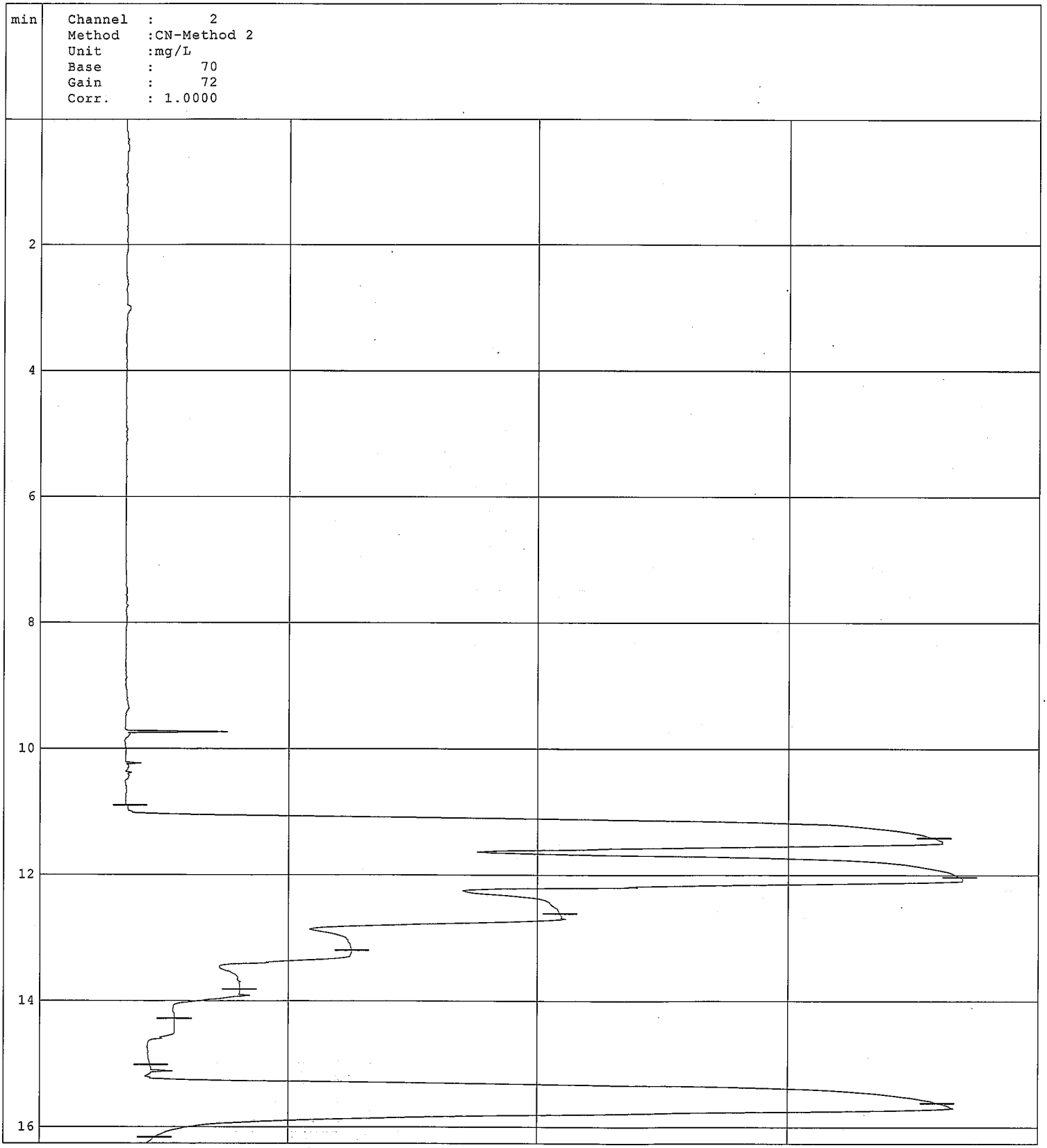
** <END OF REPORT> **

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

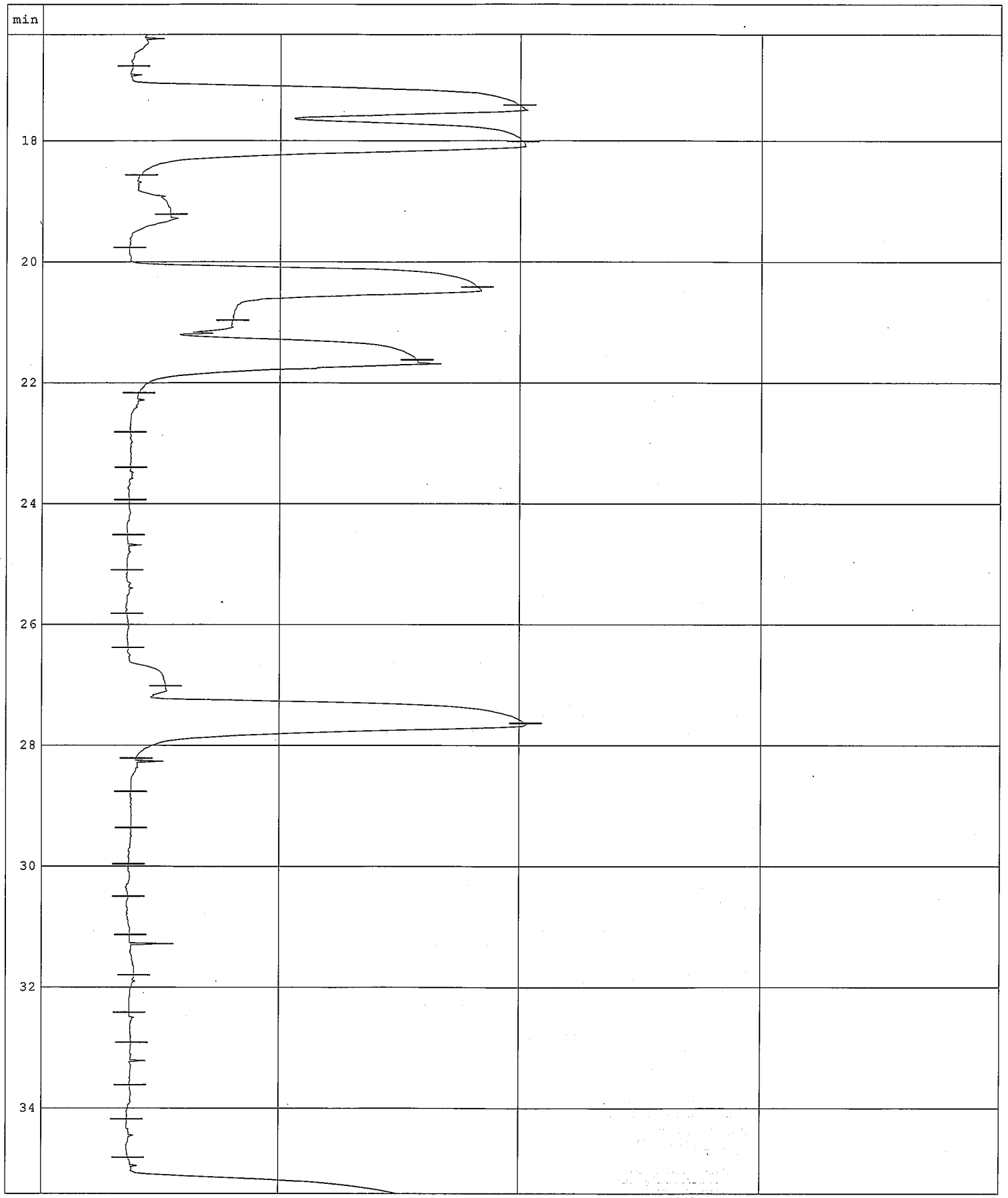
Name of run :050708A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



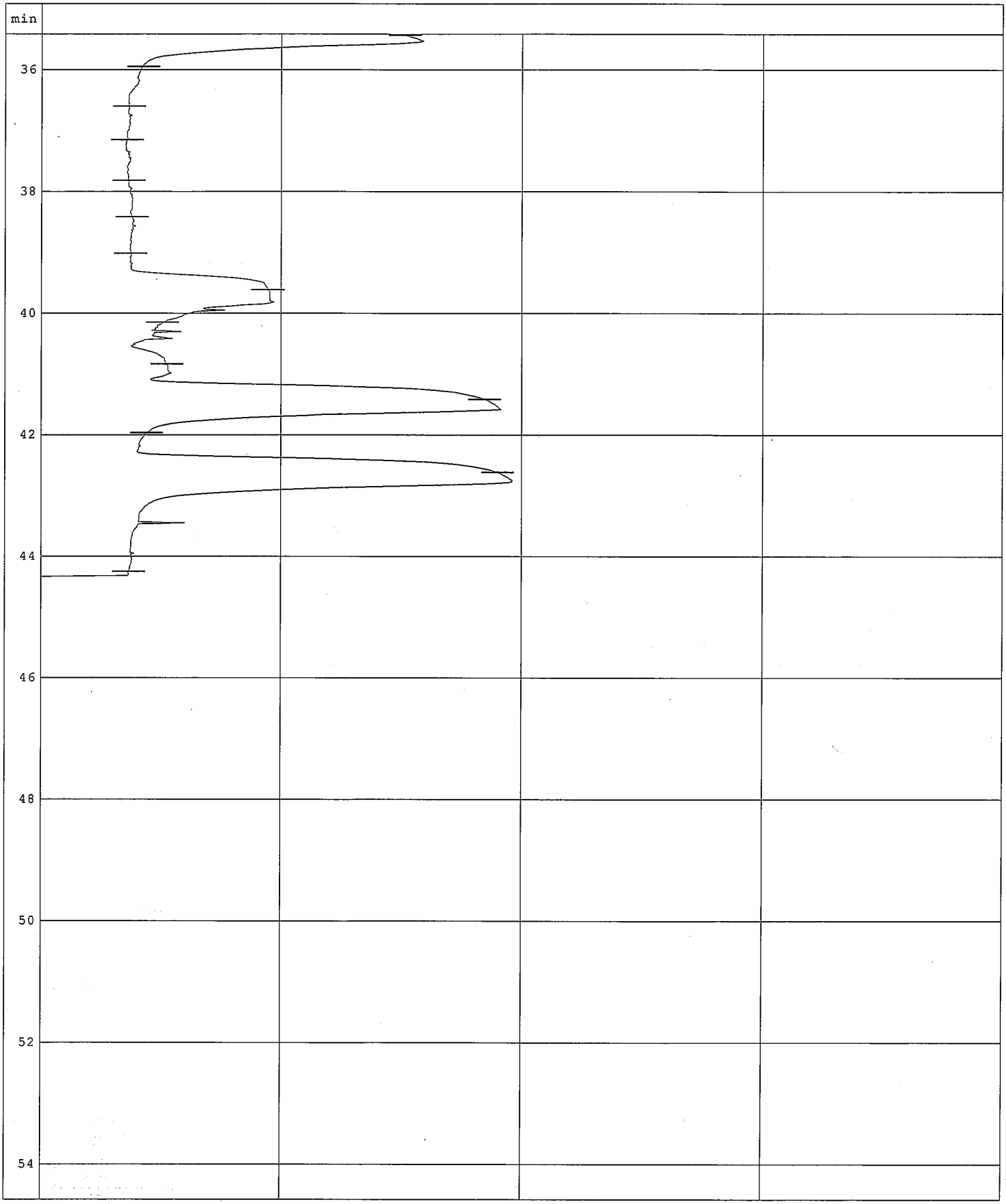
Name of run :050708A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



Name of run :050708A.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



STL NORTH CANTON

TRAACS ANALYTICAL REPORT

Name of Run	: 050708C	Name of Analysis	: CN-NONCLPCHANNEL2.ANL
Date of Report	: 7/8/05	System No.	: 2
Date of Run	: 7/8/05	Type of System	: TRAACS
Operator	: OC	Start/Stop time	: 14:18 - 14:45
Comment	:		

Channel Type	:	Real	Data	Data
Channel	:	2	1	2
Method	:	CN-Method 2	Weight	Dilution
Unit	:	mg/L		
Calibr. Fit	:	Linear		
Corr. Coeff.	:	0.9999		
Base	:	70		
Gain	:	72		
Sensitivity	:	0.1487		
Sample Limit 1	:			
Sample Limit 2	:			

Pk	Cup		Sample Id	Conc	Conc	Conc	
0	0	B	Baseline	-0.0018	0.0000	0.0000	
1	1	P	Primer	0.1983	1.0000	1.0000	
2	1	C	.200 PPM	0.1994	1.0000	1.0000	
3	2	C	.100 PPM	0.1006	1.0000	1.0000	
4	3	C	.050 PPM	0.0511	1.0000	1.0000	
5	4	C	.025 PPM	0.0253	1.0000	1.0000	
6	5	C	.010 PPM	0.0096	1.0000	1.0000	
7	6	C	.005 PPM	0.0040	1.0000	1.0000	
8	1	H1	High	0.2009	1.0000	1.0000	
9	0	L1	Low	-0.0007	1.0000	1.0000	
10	0	L1	Low	-0.0006	1.0000	1.0000	
11	2	D	Drift	0.0992	1.0000	1.0000	
12	5	QC100.01		0.0098	1.0000	1.0000	
13	2	QC1 CCV		0.0999	1.0000	1.0000	
14	8	QC2 CCB		-0.0009	1.0000	1.0000	
15	31	S	HENGH	-0.0019	1.0000	1.0000	~ re-distille
16	32	S	HENGH MS	-0.0018	1.0000	1.0000	MS/MSD
17	33	S	HENGH MSD	-0.0019	1.0000	1.0000	
18	34	S	HEWFH LB	-0.0013	1.0000	1.0000	
19	35	S	HERXP	-0.0020	1.0000	1.0000	
20	36	S	HERON	0.0112	1.0000	1.0000	
21	37	S	HEF1A	0.0750	1.0000	10.0000	
22	5	QC100.01		0.0067	1.0000	1.0000	
23	2	QC1 CCV		0.0900	1.0000	1.0000	
24	8	QC2 CCB		-0.0015	1.0000	1.0000	

25	2	D	Drift	0.0992	1.0000	1.0000
26	0	B	FinalBase	-0.0018	1.0000	1.0000

QC Limits

Channel :	2
QC 1	Unused
QC 2	Unused
QC 3	Unused
QC 4	Unused
QC 5	Unused
QC 6	Unused
QC 7	Unused
QC 8	Unused
QC 9	Unused
QC10	Unused

CORRECTIONS

Channel :	2
Baseline :	Yes
Drift :	Yes
Carry over :	Yes
%:	2.3

---

* ... Sample offscale
+ ... Result higher than sample limit
- ... Result lower than sample limit
P ... Standard passed
F ... Standard failed
N ... Value not calculated or not used
R ... Resample after offscale
M ... Peak marker moved manually
D ... Diluted sample

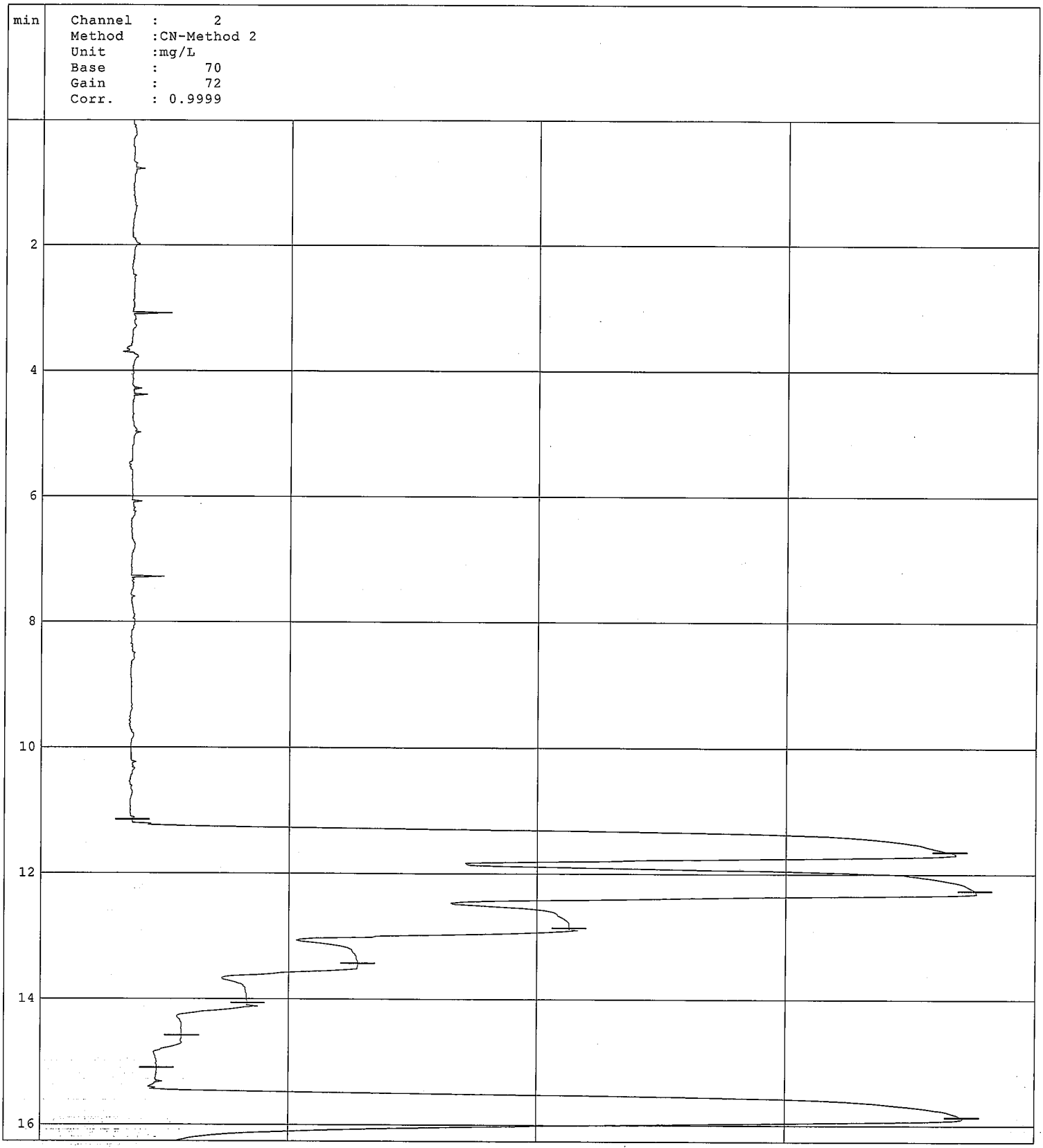
** <END OF REPORT> **

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

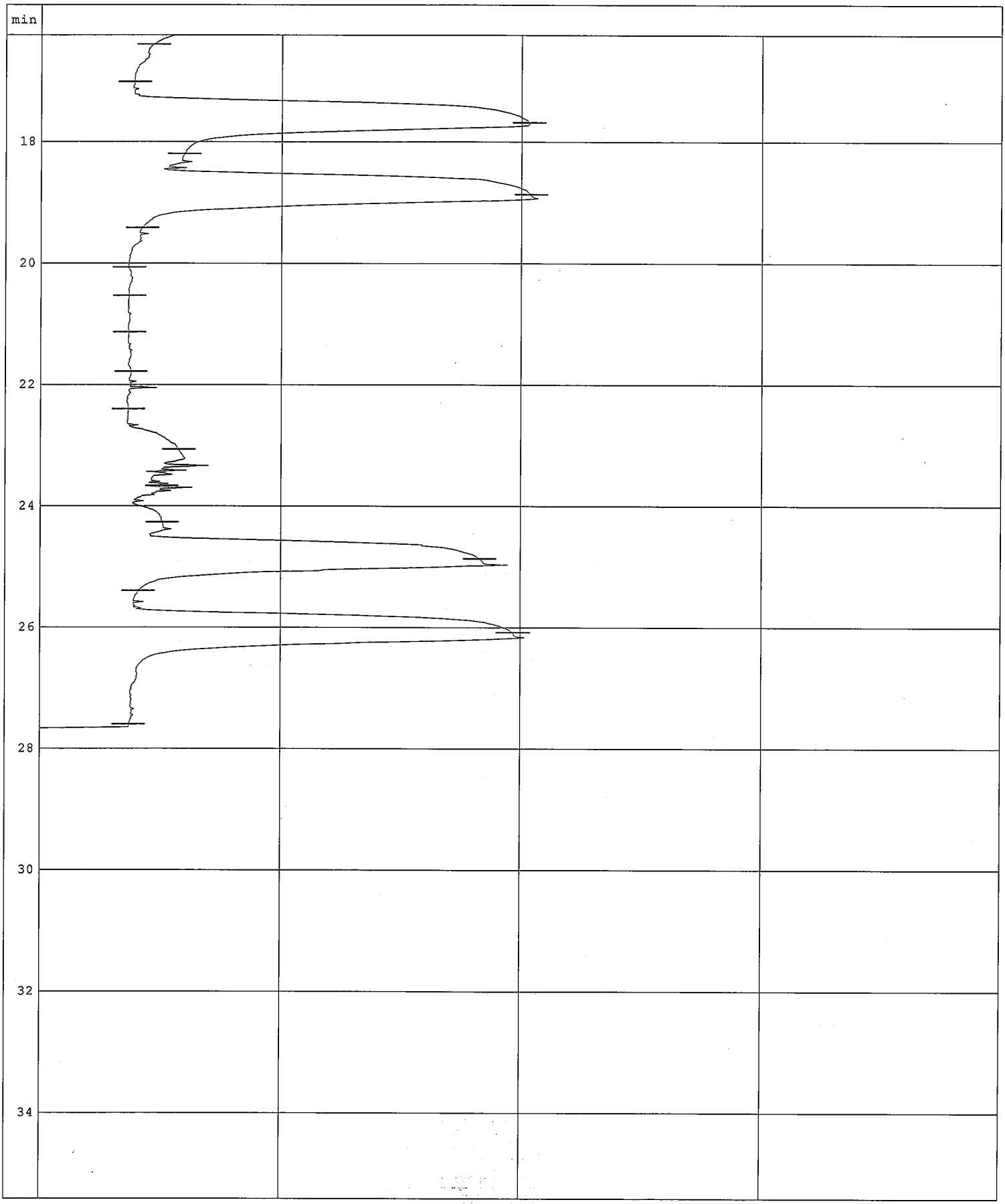
Name of run :050708C.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



Name of run :050708C.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



STL NORTH CANTON

TRAACS ANALYTICAL REPORT

Name of Run	: 050708D	Name of Analysis	: CN-NONCLPCHANNEL2.ANL
Date of Report	: 7/8/05	System No.	: 2
Date of Run	: 7/8/05	Type of System	: TRAACS
Operator	: OC	Start/Stop time	: 14:59 - 15:36
Comment	:		

Channel Type	:	Real	Data	Data
Channel	:	2	1	2
Method	:	CN-Method 2	Weight	Dilution
Unit	:	mg/L		
Calibr. Fit	:	Linear		
Corr. Coeff.	:	0.9999		
Base	:	70		
Gain	:	72		
Sensitivity	:	0.1392		
Sample Limit 1	:			
Sample Limit 2	:			

Pk	Cup		Sample Id	Conc	Conc	Conc
0	0	B	Baseline	-0.0022	0.0000	0.0000
1	1	P	Primer	0.2014	1.0000	1.0000
2	1	C	.200 PPM	0.1993	1.0000	1.0000
3	2	C	.100 PPM	0.1009	1.0000	1.0000
4	3	C	.050 PPM	0.0512	1.0000	1.0000
5	4	C	.025 PPM	0.0250	1.0000	1.0000
6	5	C	.010 PPM	0.0099	1.0000	1.0000
7	6	C	.005 PPM	0.0038	1.0000	1.0000
8	1	H1	High	0.2012	1.0000	1.0000
9	0	L1	Low	-0.0013	1.0000	1.0000
10	0	L1	Low	-0.0012	1.0000	1.0000
11	2	D	Drift	0.0995	1.0000	1.0000
12	5	QC10.01		0.0111	1.0000	1.0000
13	2	QC1	CCV	0.1009 ✓	1.0000	1.0000
14	8	QC2	CCB	-0.0010 ✓	1.0000	1.0000
15	21	S	HEN61	-0.0002	1.0000	1.0000
16	22	S	HEN65	-0.0004	1.0000	1.0000
17	5	QC10.01		0.0115	1.0000	1.0000
18	2	QC1	CCV	0.1030 ✓	1.0000	1.0000
19	8	QC2	CCB	-0.0007 ✓	1.0000	1.0000
20	23	S	HEN68	-0.0006	1.0000	1.0000
21	24	S	HEN7D	-0.0014	1.0000	1.0000
22	5	QC10.01		0.0094	1.0000	1.0000
23	2	QC1	CCV	0.1075 ✓	1.0000	1.0000
24	8	QC2	CCB	-0.0020 ✓	1.0000	1.0000

25	25	S	HEN7F	0.0011	1.0000	1.0000
26	26	S	HEN7H	0.0001	1.0000	1.0000
27	27	S	HEN7K	-0.0011	1.0000	1.0000
28	5	QC10.01		0.0094	1.0000	1.0000
29	2	QC1	CCV	0.1103	1.0000	1.0000
30	8	QC2	CCB	-0.0015	1.0000	1.0000
31	28	S	HEN7M	-0.0005	1.0000	1.0000
32	29	S	HEN7P	-0.0015	1.0000	1.0000
33	5	QC10.01		0.0100	1.0000	1.0000
34	2	QC1	CCV	0.1126	1.0000	1.0000
35	8	QC2	CCB	-0.0016	1.0000	1.0000
36	30	S	HEPDT (*)	-0.0027	1.0000	1.0000
37	5	QC100.01		-0.0027	1.0000	1.0000
38	2	QC1	CCV	0.0119	1.0000	1.0000
39	8	QC2	CCB	-0.0022	1.0000	1.0000
40	2	D	Drift	0.0995	1.0000	1.0000
41	0	B	FinalBase	-0.0022	1.0000	1.0000

?

QC Limits

(*) HEPDT → interferance - makes Qc fail low re-analyze followed by rinses.

OC
7/11/05

Channel :	2
QC 1	Unused
QC 2	Unused
QC 3	Unused
QC 4	Unused
QC 5	Unused
QC 6	Unused
QC 7	Unused
QC 8	Unused
QC 9	Unused
QC10	Unused

CORRECTIONS

Channel :	2
Baseline :	Yes
Drift :	Yes
Carry over :	Yes
%:	2.5

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* ... Sample offscale
\+ ... Result higher than sample limit
\- ... Result lower than sample limit
P ... Standard passed
F ... Standard failed
N ... Value not calculated or not used
R ... Resample after offscale
M ... Peak marker moved manually

D ... Diluted sample

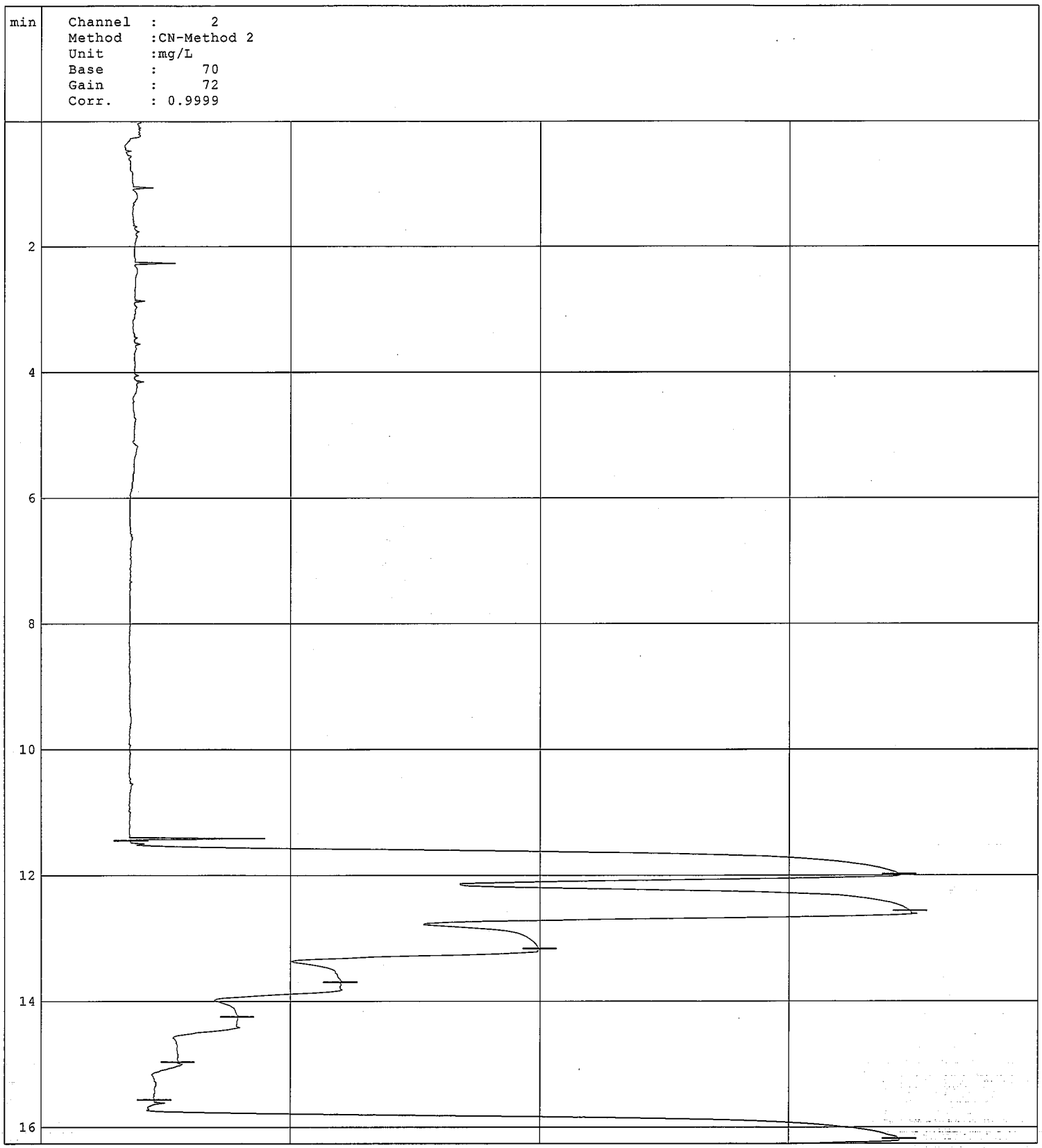
** <END OF REPORT> **

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

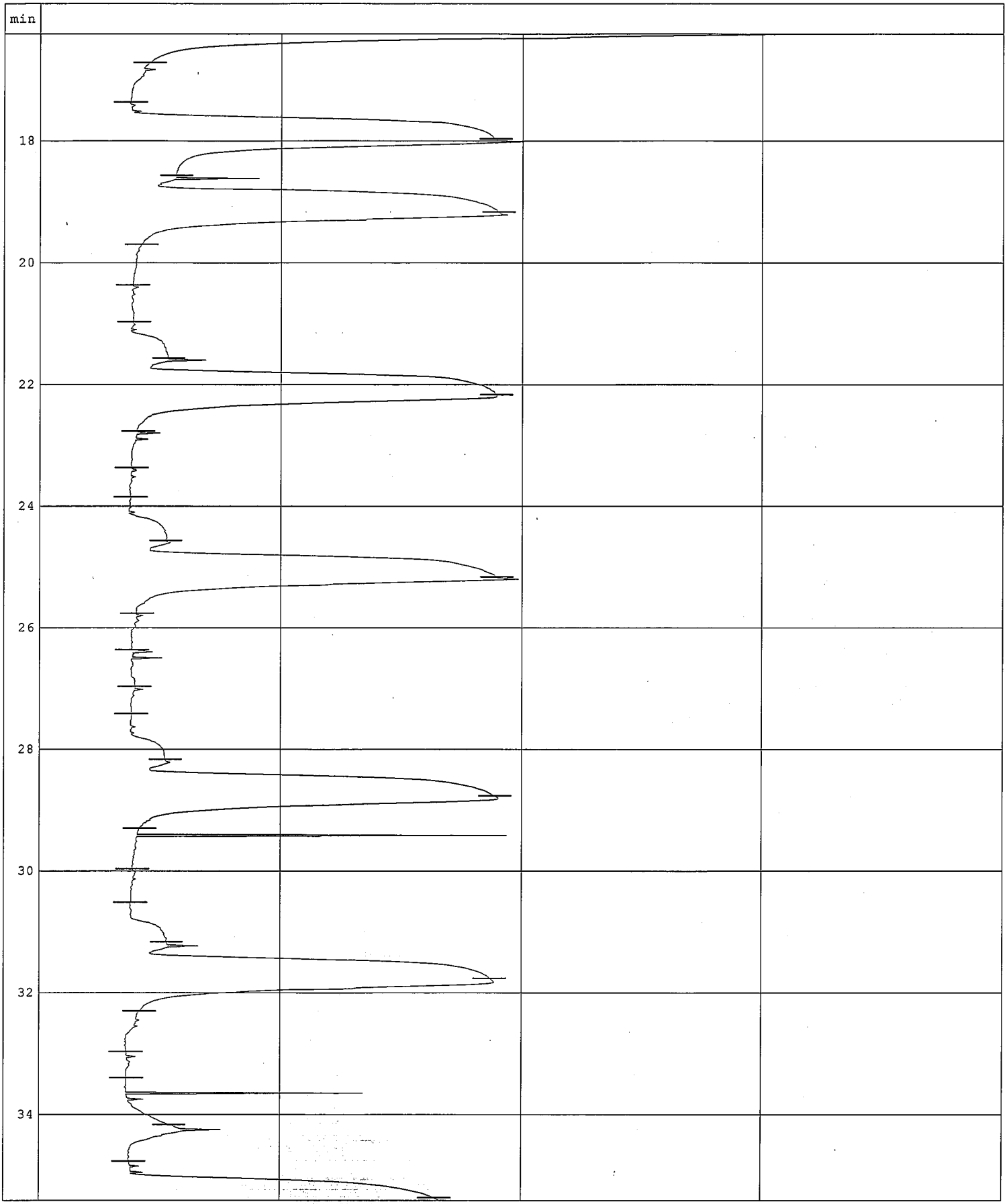
Name of run :050708D.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



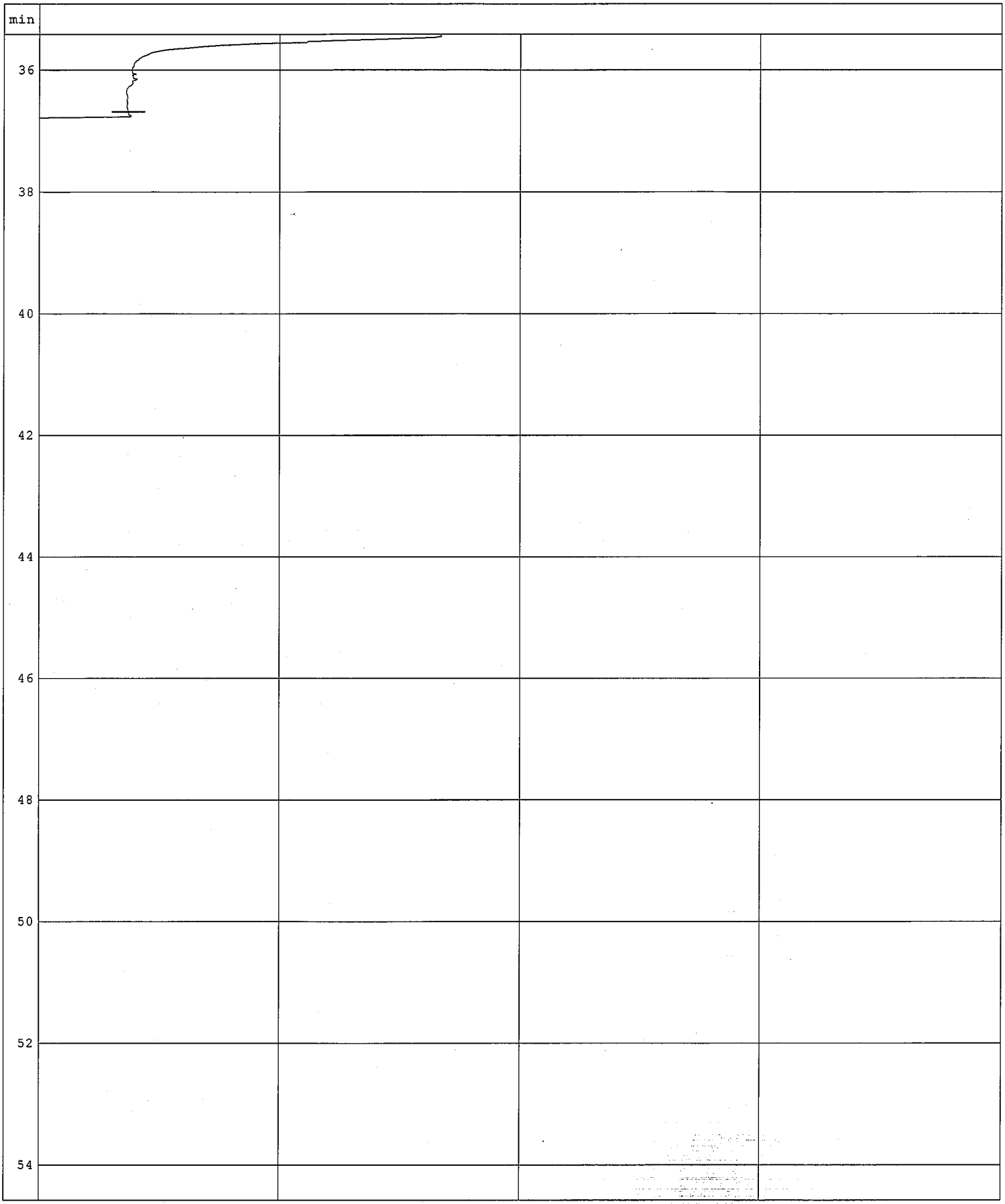
Name of run :050708D.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



Name of run :050708D.RUN
Comment :

Name of analysis :CN-NONCLPCHANNEL2.ANL



STL NORTH CANTON

TRAACS ANALYTICAL REPORT

Name of Run	: 050708E	Name of Analysis	: CN-NONCLPCHANNEL2.ANL
Date of Report	: 7/8/05	System No.	: 2
Date of Run	: 7/8/05	Type of System	: TRAACS
Operator	: OC	Start/Stop time	: 16:11 - 16:40
Comment	:		

Channel Type	:	Real	Data	Data
Channel	:	2	1	2
Method	:	CN-Method 2	Weight	Dilution
Unit	:	mg/L		
Calibr. Fit	:	Linear		
Corr. Coeff.	:	1.0000 ✓		
Base	:	70		
Gain	:	72		
Sensitivity	:	0.1366		
Sample Limit 1	:			
Sample Limit 2	:			

Pk	Cup		Sample Id	Conc	Conc	Conc	
0	0	B	Baseline	-0.0018	0.0000	0.0000	
1	1	P	Primer	0.2003	1.0000	1.0000	
2	1	C	.200 PPM	0.1996	1.0000	1.0000	
3	2	C	.100 PPM	0.1003	1.0000	1.0000	
4	3	C	.050 PPM	0.0510	1.0000	1.0000	
5	4	C	.025 PPM	0.0250	1.0000	1.0000	
6	5	C	.010 PPM	0.0099	1.0000	1.0000	
7	6	C	.005 PPM	0.0041	1.0000	1.0000	
8	1	H1	High	0.1979	1.0000	1.0000	
9	0	L1	Low	-0.0001	1.0000	1.0000	
10	0	L1	Low	0.0001	1.0000	1.0000	
11	2	D	Drift	0.0993	1.0000	1.0000	
12	7	QC1	ICV	0.0974 ✓	1.0000	1.0000	
13	8	QC2	ICB	0.0003 ✓	1.0000	1.0000	
14	5	QC10.01		0.0100	1.0000	1.0000	
15	9	S	HEN50 MS	0.0329 /.04	1.0000	1.0000	
16	10	S	HEN50 MSD	0.0363 /.04	1.0000	1.0000	
17	11	S	HERON	-0.0002	1.0000	1.0000	
18	12	S	HEF1A	0.6811	1.0000	10.0000	Rerun to confirm
19	13	S	HEPDT	0.0020	1.0000	1.0000	
20	14	S	R	0.0011	1.0000	1.0000	
21	15	S	R	-0.0009	1.0000	1.0000	
22	16	S	R	-0.0011	1.0000	1.0000	
23	17	S	R	-0.0011	1.0000	1.0000	
24	18	S	R	-0.0011	1.0000	1.0000	

25	5	QC10.01	0.0094	1.0000	1.0000
26	2	QC1 CCV	0.0997	1.0000	1.0000
27	8	QC2 CCB	-0.0002	1.0000	1.0000
28	2	D Drift	0.0993	1.0000	1.0000
29	0	B FinalBase	-0.0018	1.0000	1.0000

QC Limits

Channel :	2
QC 1	Unused
QC 2	Unused
QC 3	Unused
QC 4	Unused
QC 5	Unused
QC 6	Unused
QC 7	Unused
QC 8	Unused
QC 9	Unused
QC10	Unused

CORRECTIONS

Channel :	2
Baseline :	Yes
Drift :	Yes
Carry over :	Yes
%:	3.6

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* ... Sample offscale
+ ... Result higher than sample limit
- ... Result lower than sample limit
P ... Standard passed
F ... Standard failed
N ... Value not calculated or not used
R ... Resample after offscale
M ... Peak marker moved manually
D ... Diluted sample

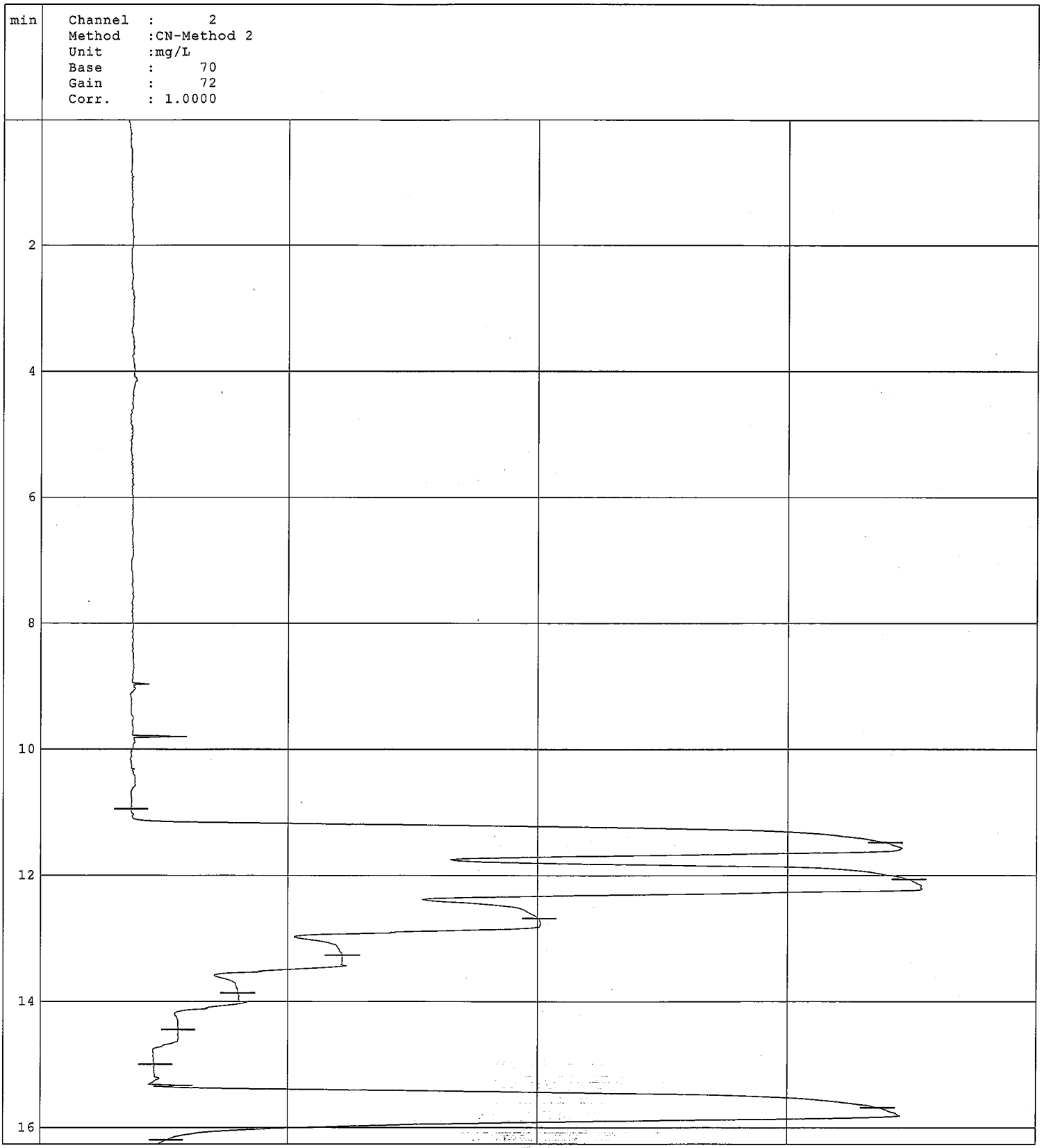
** <END OF REPORT> **

STL NORTH CANTON

TRAACS ANALYTICAL REPORT

Name of run :050708E.RUN
Comment :

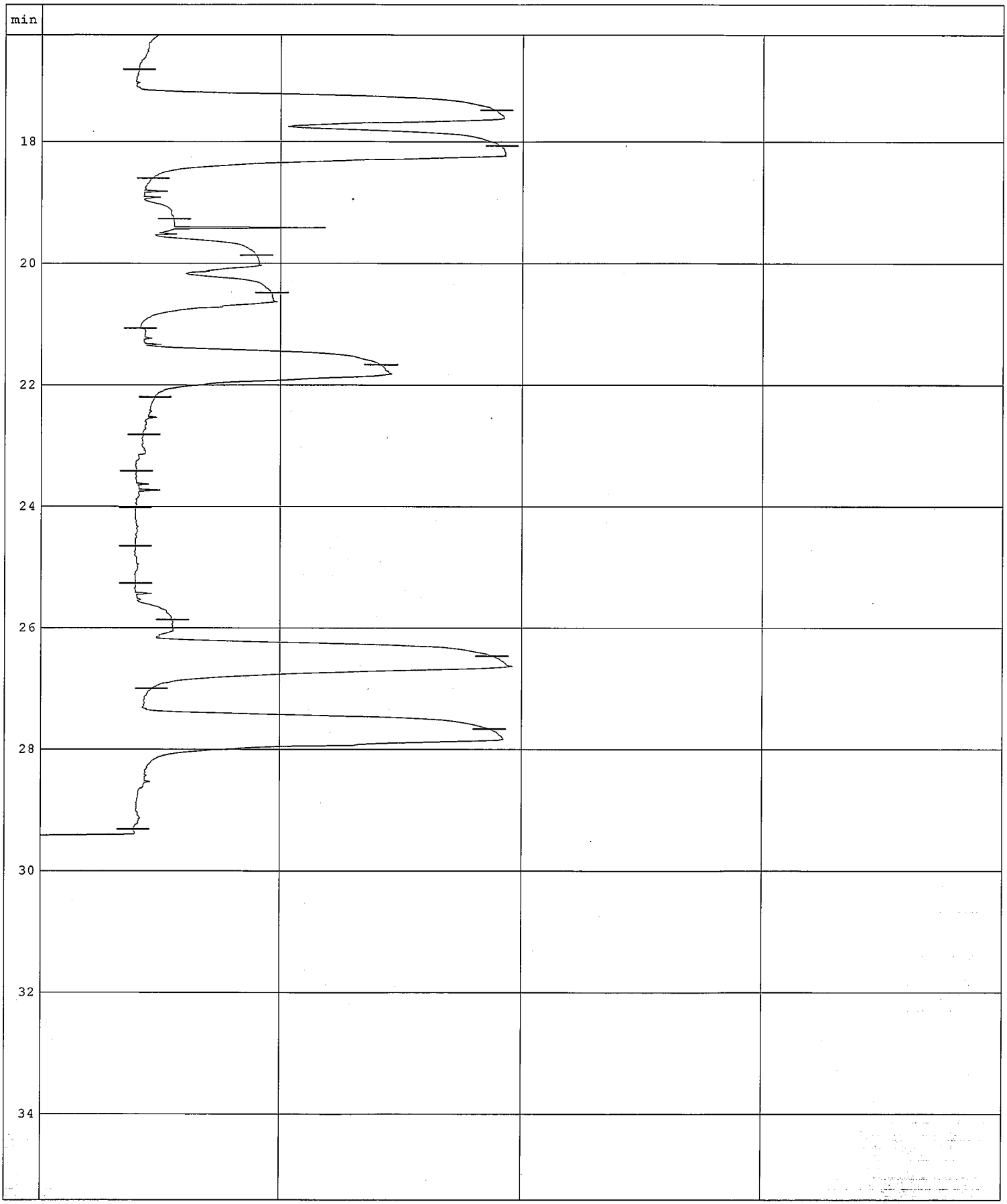
Name of analysis :CN-NONCLPCHANNEL2.ANL



Name of run :050708E.RUN

Name of analysis :CN-NONCLPCHANNEL2.ANL

Comment :



STL – NORTH CANTON
CYANIDE DISTILLATION LOGSHEET

Prep/Anal Date 7/8/05 Analyst(s) OC Batch _____

LCS No P114502 MS/MSD No CY50213 MS Prep Date _____

Start Time 10:50 End Time 11:50 Cool Down Time 15

Sample	Type T	C	F	pH >12	S	Cl2	Sample Volume (mL)	Final Volume (mL)	Comments
BLANK	T	C	F	✓	✓	✓	50	50	
LCS	T	C	F						TV = .449
HEN50	T	C	F						
N59	T	C	F						
N60	T	C	F						
N6G	T	C	F						
N6P	T	C	F						
N6W	T	C	F						
N61	T	C	F						
N65	T	C	F						
N68	T	C	F						
N70	T	C	F						
N7F	T	C	F						
N7H	T	C	F						
N7K	T	C	F						
N7M	T	C	F						
N7P	T	C	F						
PDT	T	C	F						
HENGH	T	C	F						
NGH MS	T	C	F						2mls of 1ppm 2P
NGH MSD	T	C	F						1
HEWFH LB	T	C	F						
RXP	T	C	F						
RON	T	C	F						
HE6NF	T	C	F						
.025	T	C	F						.125 of 10ppm 1°

Type: T = Total C = Chlorinated F = Free

S and Cl2 Column – a check mark in these columns indicates the sample was checked for this interference. If the interference is present, the analyst will address this in the comments section.

N:\QAQC\LAB_FORM\Wet Chem CN Distillation Log.doc Revision 0, 06/01/01 DJL

.075 (T)

HEFIA (T) – Confirmation

.375 of 10ppm 1°

STL – NORTH CANTON
CYANIDE DISTILLATION LOGSHEET

Prep/Anal Date 7/8/05 Analyst(s) OC Batch _____

LCS No _____ MS/MSD No _____ MS Prep Date _____

Start Time 3:00 End Time 4:00 Cool Down Time _____

Sample	Type T C F	pH >12	S	Cl2	Sample Volume (mL)	Final Volume (mL)	Comments
~~BLANK~~	T C F						
~~LCS~~	T C F						TV =
HEN50 ms	(T) C F	✓	✓	✓	50	50	2nd of 1ppm 2°
50 MSD	(T) C F						
RON	(T) C F						
FIA	(T) C F						
	T C F						
	T C F						
	T C F						
	T C F						
	T C F						
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	T C F						
	T C F						
	T C F						
	T C F						
	T C F						
	T C F						

Type: T = Total C = Chlorinated F = Free

S and Cl2 Column – a check mark in these columns indicates the sample was checked for this interference. If the interference is present, the analyst will address this in the comments section.

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Severn Trent North Canton
Cyanide Reagents

Date: 7/8/2005

Analyst: OC

Reagent Name	Reagent Number
Sulfamic Acid	WR50608
Magnesium Chloride	WR50105
NaOH	WR50655
Chloromine T	WR50702
Phosphate Buffer	WR50607
Pyradine Barbituric Acid	WR50643
Ottowa Sand	WR50057

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5F300251	1		HEN501AC	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	1		HEN501AD	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	1		HEN501AE	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	1		HEN501AF	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	1		HEN501A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	1		HEN501AG	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	1	S	HEN501EU	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	1	D	HEN501EV	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	2		HEN591AL	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	2		HEN591AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	2		HEN591AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	2		HEN591AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	2		HEN591A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	2		HEN591AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	3		HEN6D1AL	Chloride (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	3		HEN6D1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	3		HEN6D1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	3		HEN6D1AP	Sulfate (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	3		HEN6D1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	3		HEN6D1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	4		HEN6F1AL	Chloride (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	4		HEN6F1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	4		HEN6F1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	4		HEN6F1AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	4		HEN6F1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	4		HEN6F1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	5		HEN6G1AC	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5F300251	6		HEN6P1AL	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	6		HEN6P1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	6		HEN6P1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	6		HEN6P1AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	6		HEN6P1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	6		HEN6P1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	7		HEN6W1AL	Chloride (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	7		HEN6W1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	7		HEN6W1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	7		HEN6W1AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	7		HEN6W1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	7		HEN6W1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	8		HEN611AL	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	8		HEN611AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	8		HEN611AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	8		HEN611AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	8		HEN611A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	8		HEN611AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	9		HEN651AL	Chloride (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	9		HEN651AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	9		HEN651AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	9		HEN651AP	Sulfate (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	9		HEN651A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	9		HEN651AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	10		HEN681AL	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	10		HEN681AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	10		HEN681AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5F300251	10		HEN681AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	10		HEN681A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	10		HEN681AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	11		HEN7D1AL	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	11		HEN7D1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	11		HEN7D1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	11		HEN7D1AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	11		HEN7D1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	11		HEN7D1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	12		HEN7F1AL	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	12		HEN7F1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	12		HEN7F1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	12		HEN7F1AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	12		HEN7F1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	12		HEN7F1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	12	S	HEN7F1A9	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	12	S	HEN7F1CA	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	12	S	HEN7F1CC	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	12	S	HEN7F1CD	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	13		HEN7H1AL	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	13		HEN7H1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	13		HEN7H1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	13		HEN7H1AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	13		HEN7H1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	13		HEN7H1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	14		HEN7K1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5F300251	14		HEN7K1AL	Chloride (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin

STL North Canton

Sample Control Chain of Custody for General Chemistry

Lot Number	Sample	Suffix	Lab ID	Test	Prep Date	Prepared by	Analysis Date	Analyzed by
A5F300251	14		HEN7K1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	14		HEN7K1AN	Nitrite as N (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	14		HEN7K1AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	14		HEN7K1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	15		HEN7M1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5F300251	15		HEN7M1AL	Chloride (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	15		HEN7M1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	15		HEN7M1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	15		HEN7M1AP	Sulfate (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	15		HEN7M1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	16		HEN7P1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/06/05	Deborah Bolgrin	07/06/05	Deborah Bolgrin
A5F300251	16		HEN7P1AL	Chloride (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	16		HEN7P1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	16		HEN7P1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	16		HEN7P1AP	Sulfate (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	16		HEN7P1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon
A5F300251	17		HEPDT1AL	Chloride (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Deborah Bolgrin
A5F300251	17		HEPDT1AM	Nitrate as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Deborah Bolgrin
A5F300251	17		HEPDT1A8	Sulfides, Total (9030B-dist/9034-titrat.)	07/05/05	Melissa Fuller-Gustavel	07/05/05	Melissa Fuller-Gustavel
A5F300251	17		HEPDT1AN	Nitrite as N (300.0, Ion Chromatography)	06/30/05	Deborah Bolgrin	06/30/05	Olguita Colon
A5F300251	17		HEPDT1AP	Sulfate (300.0, Ion Chromatography)	07/01/05	Deborah Bolgrin	07/01/05	Olguita Colon
A5F300251	17		HEPDT1AQ	Cyanide, Total (9012A, Automated)	07/08/05	Olguita Colon	07/08/05	Olguita Colon

SEVERN TRENT STL

END OF REPORT