

J5 – 180-Day Post Treatment Results Technical Memorandum



Panther Technologies, Inc.

TECHNICAL MEMORANDUM

To: Doug Ronk, R.G. – Arrowhead Contracting Inc.
CC: Greg Wallace, P.G. – Arrowhead Contracting, Inc.
Peter J. Palko, P.E., CHMM – Panther Technologies, Inc.
From: Kevin D. Dyson, P.E. – Panther Technologies, Inc.
Date: May 9, 2011
Re: 180-Day Post Treatment Monitoring Memo

The purpose of this Technical Memorandum is to summarize the results of the In-Situ Chemical Oxidation (ISCO) full-scale injections at the Lawrence Aviation, Inc. (LAI) Superfund Site in Port Jefferson, New York. As a component of the Technical Specifications dated July 2009 within Solicitation Number RFP-3380-234-001-CN, **Panther Technologies, Inc. (Panther)** completed injections of a nominal 1.5% potassium permanganate solution into newly installed ISCO Injection Wells IW-ISCO-1 to IW-ISCO-13. Additionally, as detailed in the Technical Specifications and approved Work Plan, groundwater samples collected from the monitoring wells on site were analyzed at the pre-injection (Baseline), 30-Day Post Injection (Pre-Final) and 180-Day Post-Injection (Final) time frames to evaluate the effects of full scale potassium permanganate injections into the source area at the LAI site. This memo details the scope of the injection program and summarizes the results of the Final 180-Day Sampling Event compared to the Baseline event.

BACKGROUND

The Site (EPA ID #NYD002042531) encompasses approximately 126 acres and consists of the LAI Facility and the LAI Outlying Parcels. Sheep Pasture Road and the Long Island Railroad form the border located on the northern side of the Site. The eastern and western borders consist of various residential single family houses, while the western border is also made up of a Garden Waste Disposal Facility. South of the site is a wooded area which extends into another residential area with single family houses. An embayment of Long Island Sound, consisting of The Village of Port Jefferson and Port Jefferson Harbor, lie approximately one mile north of the property. The northeastern and eastern portions of the property are referred to as the Outlying Parcels. These areas consist mainly of wooded areas with the inclusion of a small residential area and three access roads.

The LAI Facility, approximately 42 acres in size, is a former active manufacturer of titanium sheeting for the aeronautics industry. The LAI Facility consists of ten building located on the southwestern portion of the property. An abandoned, unlined earthen lagoon which formerly received liquid wastes lie west of the buildings and a former drum crushing area is situated south of the buildings.

During well drilling activities prior to full scale injection activities, **Panther** installed a series of monitoring wells designated MW-ISCO-01 to MW-ISCO-05 with 10-foot screen intervals from approximately 207-217 feet bgs. As shown on Figure 1, these wells were placed in the core of the known source area (MPW-07/MW-ISCO-04 Area), sidegradient of the source area (MW-ISCO-03 and MW-ISCO-05) and downgradient of the source area (MW-ISCO-01 and MW-ISCO-02). MW-ISCO-04 was installed as a replacement for MPW-07. Additionally, thirteen

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(13) injection wells designated IW-ISCO-01 to IW-ISCO-13 were installed with 20-foot screen intervals from approximately 200 – 220-feet bgs. These wells were installed across the core of the known source area and were utilized during full scale injections to monitor and/or inject the dilute potassium permanganate solution.

Prior to and following injection activities, Baseline, Pre-Final 30-Day Post Injection and 180-Day Final Post Injection Monitoring well sampling was completed in accordance with USEPA Low Flow Sampling Procedures and the approved site Quality Assurance Project Plan (QAPP). The samples were analyzed for the following parameters to determine the effectiveness of the full-scale injections:

- VOCs by USEPA SOM 01.2 methods;
- TAL Metals by ILM 05.4;
- Total Organic Carbon by SM5310B;
- Total Suspended Solids by SM2540D;
- Total Dissolved Solids by SM2540C;
- Chlorides and Sulfates by MCAWW Method 300.0; and
- Alkalinity by Method SM2320B.

This Technical Memo compares and summarizes the results from the Baseline and 180-Day Post Injection Final Sampling Events.

FULL SCALE ISCO INJECTION FIELD ACTIVITIES

Following approval of the Pilot Test Technical Memo and completion of the Baseline sampling event, the site was setup to include a high flow injection trailer equipped with large double diaphragm chemically resistant positive displacement pumps, multiple 21,000 gallon stainless steel frac tanks and secondary containment, off-road forklifts, piping and miscellaneous valves, fittings, meters, generators, air compressors, etc. to facilitate the installation of the batching and injection system. 2-inch diameter wellheads were installed on IW-ISCO-01 to IW-ISCO-13 to facilitate injections. The wellheads were connected to the injection pumps via Schedule 80 PVC manifolds and clear PVC braided hose rated for > 100 psi. ISCO monitoring wells were monitored during the injection to evaluate water level increases, changes in geochemical conditions and field parameters similar to the procedures used during the Pilot Testing to determine influence during source area injections.

Three (3) batches of potassium permanganate solution were stored and mixed at any given time to facilitate the injection process. Approximately 16,500 gallons of potable water, as measured on a cold water totalizer, was added to each tank followed by one (1) 2,000 lb supersack of potassium permanganate (KMnO₄). The tanks were continuously aerated during both mixing and injection activities to maintain a homogeneously mixed solution and to prevent incomplete mixtures of KMnO₄. Manifolds and wellheads containing flow rate and/or totalizing flow meters, pressure and vacuum gauges, flow adjusting gate valves, and relief vents were installed on the wells and injection commenced.

Based on the manifold influent flow totalizer, a total of approximately 670,000 gallons of KMnO₄ solution were injected over the course of the project. The nominal 1.5% injection solution was obtained by mixing one (1) 2,000 lb supersack of KMnO₄ to approximately 16,500

gallons of water within the stainless steel frac tank. Originally, the Pilot Study Technical Memo proposed a total of 21 tanks would be mixed for the injection of 42,000 lbs of KMnO_4 into the injection wells. The actual injection of KMnO_4 was 73,000-lbs which took a total of 41 tanks to be mixed and injected. Baseline, Pre-Final 30-Day and Final 180-Day Post-Injection groundwater sampling was conducted on MW-ISCO-01 to MW-ISCO-05 for ISCO effectiveness monitoring, and evaluation of meeting the 100-ug/l average across all five (5) wells.

FULL SCALE INJECTION RESULTS AND ANALYSIS COMPARISON

Overall the results of the ISCO Full-Scale Injections was very successful in reducing the targeted CVOCs. Decreases in CVOC concentrations, specifically trichloroethene (TCE), along with summarized geochemical monitoring results are detailed further below. Finally, Attachment A contains the field data sampling sheets from the Baseline and 180-Day Post Injection Sampling Event. The full data package for the 180-Day Post Injection Sampling Event is included as Attachment B along with ISCO Injection Field Monitoring Logs in Attachment C. All other information regarding injections, monitoring, etc. have been submitted under separate cover and are not contained herein. As detailed on Tables 1 - 3 attached, a summary of the VOC and geochemical results includes the following:

- Monitoring location MW-ISCO-01 noted significant influence during injections of the KMnO_4 solution. Concentrations of TCE decreased from 110-ug/l to approximately 0.067-ug/l. This is approximately a 99.94% decrease of TCE from Pre to Post-Injection analysis. Along with the decreases of TCE in MW-ISCO-01, significant geochemical changes could be seen in the well. The monitoring well was directly influenced by the injections demonstrated by the light purple/pink color and the increase in potassium within the metal analysis of the sample. The potassium concentrations increased approximately 52% in the monitoring well caused by the residual KMnO_4 solution that was injected from the injection wells.
- Monitoring well MW-ISCO-02 showed similar results as MW-ISCO-01 with significant decreases in the concentrations of the COCs. TCE was reduced at this well location approximately 80%, down from 490-ug/l to 100-ug/l. Along with TCE, decreases were noted in tetrachloroethene and cis-1,2-dichloroethene. MW-ISCO-02 had less residual injection solution, shown by the small increase in potassium in the metal analysis and the light brown/purple color noted from the post-injection well monitoring.
- Monitoring location MW-ISCO-03 showed an approximate 99.99% reduction of TCE, from 460-ug/l to 0.068-ug/l. The well analysis also showed a dramatic increase in levels of potassium. Slight increases of zinc and iron were also noted. Along with the increase of these metals, an increase in oxidation reduction potential (ORP) was also noted, as well as high residual levels of residual KMnO_4 . Finally, chromium concentrations increased, however, pre-injection analysis indicated the presence of chromium and these increases are likely to attenuate once the oxidative conditions return to background levels.
- MW-ISCO-04 noted lower concentrations of TCE, tetrachloroethene, and cis-1,2-dichloroethene from the Baseline sampling event. These levels decreased from the pre-injection to post-injection analysis by 99.97%, from 240-ug/l to 0.072-ug/l. The well also

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had increases in potassium, magnesium, and acetone. Note that acetone is an intermediate byproduct of the oxidation process and is expected to attenuate. The potassium increased approximately 40% from pre to post analysis caused by the residual KMnO_4 still present in the monitoring well. The monitoring well showed light purple coloration changes along with increases in the ORP. During the 180-day sampling event, a blind laboratory duplicate, named MW-ISCO-06 was submitted to the lab and all analyses compared to MW-ISCO-04 fell within acceptable duplicate ranges.

- Finally, monitoring well MW-ISCO-05 demonstrated significant shifts in geochemical conditions along with reductions in TCE concentrations. Increases in potassium, magnesium, and aluminum were noted along with increases in ORP and residual KMnO_4 solution, demonstrated by the light purple noted by post-injection well analysis. Decreases in TCE, tetrachloroethene, and chloroform were also noted from MW-ISCO-05. TCE levels decreased from 82-ug/l to 0.075-ug/l from pre to post-injection analysis or approximately 99.90% decrease against the Baseline.

Quality Assurance Review

Third party validation of the Baseline, Pre-Final 30-Day and Final 180-Day Sampling Event was completed previously and with no significant validation concerns, the data was submitted to Arrowhead Contracting, Inc. under separate cover.

Deviations from the Pilot Study Technical Memo (June 17, 2010)

Previously two (2) deviations to the approved workplan for the full-scale injection program were proposed in the Pilot Study Technical Memo submitted June 17, 2010. These two deviations proposed included:

1. Due to downgradient influence on TCE concentrations within MW-ISCO-01 from injections into IW-ISCO-05 (Pilot Testing Activities), **Panther** did not initially inject into IW-ISCO-11, IW-ISCO-12 or IW-ISCO-13 as the injections within the courtyard area were expected to likely influence the TCE concentrations in MW-ISCO-01 and MW-ISCO-02. Additionally, not injecting into these wells provided an additional level of safety to prevent impacts on recently installed extraction wells EW-01 and EW-02 following startup from oxidant migration and geochemical shifts in the subsurface.
2. Following determination of the dosages necessary to accomplish project objectives in the Treatability Study and Pilot Study programs, as well as being protective of downgradient groundwater conditions near EW-1 and EW-2, the volume of oxidant solution was initially reduced to approximately 336,000 gallons of a nominal 1.5% KMnO_4 solution. This initial volume was injected into a minimum of ten (10) targeted ISCO Treatment Area wells versus the thirteen (13) originally anticipated.

The full-scale injection program was approved as noted in the Pilot Study Technical Memo and **Panther** commenced injections of the 42,000 lbs of KMnO_4 . Following injection of the 42,000-lb design volume, downgradient CVOC and geochemical indicators did not indicate influence under the adjacent building, or in MW-ISCO-01 and MW-ISCO-02. Due to lack of positive indicators, the injected volume was increased following review of the field data with both Arrowhead Contracting, Inc. and CDM Engineers. The increase was requested to the full

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original design volume by CDM due to the lack of influence indications at MW-ISCO-01 and MW-ISCO-02. As such, an additional 31,000 lbs, for a total of 73,000 lbs of KMnO_4 was diluted and injected or approximately 670,000 gallons total, as opposed to the quantity proposed in the Pilot Study Technical Memo. Additionally, based upon results from intermediate grab sampling within MW-ISCO-01 and MW-ISCO-02 showing limited influence on CVOC reductions, injection wells IW-ISCO-11, 12 and 13 were utilized to inject solution in attempts to influence MW-ISCO-01 and MW-ISCO-02.

SUMMARY

A total of 73,000 lbs of potassium permanganate was mixed and injected into the source area at the Lawrence Aviation Superfund Site. Approximately 670,000 gallons of solution was mixed and injected in the thirteen (13) source area injection wells, IW-ISCO-01 to IW-ISCO-13 while Baseline, Pre-Final 30-Day Post Injection and Final 180-Day Post Injection monitoring was conducted on the source area monitoring wells (MW-ISCO-01 to MW-ISCO-05). In general, two goals of the original design intent were met with the average pre-injection Baseline of 277-ug/l being reduced to 20-ug/l 180-days post injection along with significant residual KMnO_4 remaining in-situ to continue treatment from any potential desorption of CVOCs.

The ISCO program at the Lawrence Aviation Superfund Site not only met the intended goal of mass reduction, but far exceeded the goals and nearly destroyed over 92% of the known mass in the former source area.

If anyone has questions regarding the full-scale treatment of the ISCO Treatment Area, please feel free to contact Kevin Dyson, P.E. or Peter J. Palko, P.E. at your earliest convenience at 609.714.2420.

Tables
Lawrence Aviation Superfund Site
Port Jefferson, New York

Table 1. Summary of Baseline and 180-Day (Final) Groundwater Analytical Results. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-01		ISCO-MW-01DL		ISCO-MW-01		ISCO-MW-02		ISCO-MW-02DL		ISCO-MW-02		ISCO-MW-02DL		ISCO-MW-03		ISCO-MW-03DL		ISCO-MW-03		ISCO-MW-04		ISCO-MW-04DL	
Lab Sample ID:			833969		833969D1		200-3445-2		833970		833970D1		200-3445-3		200-3445-3		833971		833971D1		200-3445-4		833975		833975D1	
Date Sampled:			6/26/2010		6/26/2010		1/20/2011		6/26/2010		6/26/2010		1/20/2011		1/20/2011		6/26/2010		6/26/2010		1/20/2011		6/26/2010		6/26/2010	
TCL VOCs SOM01.2																										
	CAS Number	Units																								
1,1,1-Trichloroethane	71-55-6	ug/l	0.09	J	4.3	U	0.24	J	1.6	U	20.0	U	0.10	J	3.6	U	1.5	U	18.0	U	0.13	J	0.12	J	9.6	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,1,1,2,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,1-Dichloroethane	75-34-3	ug/l	0.50	U	4.3	U	0.22	J	1.6	U	20.0	U	0.07	J	3.6	U	1.5	U	18.0	U	0.14	J	0.75	U	9.6	U
1,1-Dichloroethene	75-35-4	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.12	J	9.6	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,2-Dibromooethane	106-93-4	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,2-dichlorobenzene	95-50-1	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,2-Dichloroethane	107-06-2	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,2-Dichloropropane	78-87-5	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,3-dichlorobenzene	541-73-1	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
1,4,4-dichlorobenzene	106-46-7	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
2-Butanone (MEK)	78-93-3	ug/l	5.0	U	43.0	U	0.94	J	16.0	U	200	U	5.0	U	36.0	U	15.0	U	180.0	U	5.0	U	7.5	U	96.0	U
2-Hexanone	591-78-6	ug/l	5.0	U	43.0	U	5.0	U	16.0	U	200	U	5.0	U	36.0	U	15.0	U	180.0	U	5.0	U	7.5	U	96.0	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	5.0	U	43.0	U	5.0	U	16.0	U	200	U	5.0	U	36.0	U	15.0	U	180.0	U	5.0	U	7.5	U	96.0	U
Acetone	67-64-1	ug/l	2.1	JB	20.0	DJB	4.8	JB	5.3	JB	62.0	DJB	2.7	J	11.0	JD	6.8	JB	57.0	DJB	9.3	B	2.9	JB	37.0	DJB
Benzene	71-43-2	ug/l	0.1	J	4.3	U	0.031	J	1.6	U	20.0	U	0.03	J	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Bromochloromethane	74-97-5	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Bromodichloromethane	75-27-4	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Bromoform	75-25-2	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	1.8		0.75	U	9.6	U
Bromomethane	74-83-9	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Carbon disulfide	75-15-0	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Carbon tetrachloride	56-23-5	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.04	J	0.75	U	9.6	U
Chlorobenzene	108-90-7	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Chloroethane	75-00-3	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Chloroform	67-66-3	ug/l	0.4	J	0.6	DJ	0.45	J	0.3	J	20.0	U	0.16	JB	3.6	U	1.5	U	18.0	U	0.30	J	0.46	J	9.6	U
Chloromethane	74-87-3	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.5		0.5	DJ	0.50	U	2.0		2.7	DJ	0.33	J	3.6	U	0.67	J	18.0	U	0.50	U	0.89		9.6	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Cyclohexane	110-82-7	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Dibromochloromethane	124-48-1	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Dichlorodifluoromethane	75-71-8	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Ethylbenzene	100-41-4	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Isopropylbenzene	98-82-8	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
m&p-Xylene	179601-23-1	ug/l	0.1	J	4.3	U	0.50	U	1.6	U	20.0	U	0.06	J	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Methyl Acetate	79-20-9	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	1.7		1.5	DJ	2.2	B	0.5	J	20.0	U	0.96	B	1.5	JDB	0.36	J	18.0	U	1.3	B	0.93		1.0	DJ
Methylcyclohexane	108-87-2	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
Methylene chloride	75-09-2	ug/l	0.50	U	4.3	U	0.50	U	1.6	U	20.0	U	0.50	U	3.6	U	1.5	U	18.0	U	0.50	U	0.75	U	9.6	U
o-Xylene	95-47-6	ug/l	0.50	U	4.3	U	0.50																			

Notes
Italics and grey shading indicates compounded detected above MDL.
1 - ISCO-MW-06 is a blind duplicate of ISCO-MW-04

Qualifiers
J - Estimated Value
X - a non-target constituent that represented a compound that is related to the DMC formulation.
B - Analyte detected in associated method blank.
U - Not detected at method detection limit.
N - Indicates presumptive evidence of compound.

Table 1. Summary of Baseline and 180-Day (Final) Groundwater Analytical Results. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-04		ISCO-MW-05		ISCO-MW-05DL		ISCO-MW-05		ISCO-MW-06 ⁽¹⁾		ISCO-MW-06 ⁽¹⁾ DL		ISCO-MW-06 ⁽¹⁾		ISCOFB100624		ISCOFB100625		FB-1202011	
Lab Sample ID:			200-3445-5		833974		833974D1		200-3445-1		833972		833972D1		200-3445-6		833973		833976		200-3445-7	
Date Sampled:			1/20/2011		6/26/2010		6/26/2010		1/19/2011		6/26/2010		6/26/2010		1/20/2011		6/24/2010		6/25/2010		1/20/2011	
<i>TCL VOCs SOM01.2</i>	CAS Number	Units																				
1,1,1-Trichloroethane	71-55-6	ug/l	<i>0.24</i>	J	<i>0.17</i>	J	<i>0.21</i>	DJ	0.50	U	1.5	U	18.0	U	<i>0.26</i>	J	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	75-34-3	ug/l	<i>0.24</i>	J	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	<i>0.25</i>	J	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	75-35-4	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	106-93-4	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-dichlorobenzene	95-50-1	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	107-06-2	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	78-87-5	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-dichlorobenzene	541-73-1	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-dichlorobenzene	106-46-7	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone (MEK)	78-93-3	ug/l	5.0	U	5.0	U	34.0	U	5.0	U	15.0	U	180.0	U	<i>0.67</i>	J	5.0	U	5.0	U	5.0	U
2-Hexanone	591-78-6	ug/l	5.0	U	5.0	U	34.0	U	5.0	U	15.0	U	180.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	5.0	U	5.0	U	34.0	U	5.0	U	15.0	U	180.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	67-64-1	ug/l	<i>7.7</i>	B	<i>2.5</i>	JB	<i>13.0</i>	DJB	<i>5.5</i>	B	<i>4.6</i>	JB	<i>48.0</i>	DJB	<i>6.3</i>	B	<i>8.4</i>	B	<i>8.7</i>	B	<i>2.9</i>	J
Benzene	71-43-2	ug/l	<i>0.03</i>	J	<i>0.04</i>	J	3.4	U	<i>0.12</i>	J	1.5	U	18.0	U	<i>0.03</i>	J	0.50	U	0.50	U	0.50	U
Bromochloromethane	74-97-5	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	75-27-4	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	75-25-2	ug/l	0.50	U	0.50	U	3.4	U	<i>1.1</i>		1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	74-83-9	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	75-15-0	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	56-23-5	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	108-90-7	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	75-00-3	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	67-66-3	ug/l	<i>0.48</i>	J	<i>0.56</i>		<i>0.64</i>	DJ	<i>0.19</i>	J	<i>0.26</i>	J	18.0	U	<i>0.48</i>	J	0.50	U	0.50	U	0.50	U
Chloromethane	74-87-3	ug/l	<i>0.15</i>	J	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.50	U	<i>0.27</i>	J	3.4	U	0.50	U	<i>2.0</i>		<i>2.0</i>	DJ	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	110-82-7	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	124-48-1	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	75-71-8	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	100-41-4	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	98-82-8	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
m&p-Xylene	179601-23-1	ug/l	0.50	U	<i>0.06</i>	J	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	79-20-9	ug/l	0.50	U	<i>0.15</i>	J	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	<i>2.3</i>	B	<i>1.0</i>		<i>0.87</i>	DJ	<i>2.0</i>	B	<i>0.45</i>	J	18.0	U	<i>2.4</i>	B	0.50	U	0.50	U	<i>0.04</i>	JB
Methylcyclohexane	108-87-2	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	75-09-2	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	2.3	DJ	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	95-47-6	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	100-42-5	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	127-18-4	ug/l	<i>0.08</i>	JB	<i>1.3</i>		<i>1.1</i>	DJ	0.50	U	<i>2.7</i>		<i>2.7</i>	DJ	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	108-88-3	ug/l	0.50	U	<i>0.44</i>	J	<i>0.47</i>	DJ	0.50	U	<i>0.84</i>	J	<i>1.3</i>	DJ	0.50	U	<i>0.06</i>	J	<i>0.09</i>	J	0.50	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene	79-01-6	ug/l	<i>0.07</i>	JB	<i>84.0</i>	E	<i>82.0</i>	D	<i>0.08</i>	JB	<i>480.0</i>	E	<i>490.0</i>	D	0.50	U	0.50	U	0.50	U	0.50	U
Trichlorofluoromethane	75-69-4	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	75-01-4	ug/l	0.50	U	0.50	U	3.4	U	0.50	U	1.5	U	18.0	U	0.50	U	0.50	U	0.50	U	0.50	U
Total TIC, Volatile	Not Available	ug/l	<i>42.24</i>	NJXB	<i>14.91</i>	NJXB	<i>6.98</i>	JXBD	<i>42.24</i>	NJXB	<i>8.69</i>	NJXB	<i>6.98</i>	JXBD	<i>31.56</i>	NJXB	<i>14.91</i>	NJXB	<i>14.91</i>	NJXB	<i>10.37</i>	JXB

Notes
Italics and grey shading indicates compounded detected above MDL.
1 - ISCO-MW-06 is a blind duplicate of ISCO-MW-04

Qualifiers
J - Estimated Value
X - a non-target constituent that represented a compound that is related to the DMC formulation.
B - Analyte detected in associated method blank.
U - Not detected at method detection limit.
N - Indicates presumptive evidence of compound.

Table 2. Summary of Baseline and 180-Day (Final) TAL Metals and Geochemical Analysis. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-01		ISCO-MW-01		ISCO-MW-02		ISCO-MW-02		ISCO-MW-03		ISCO-MW-03		ISCO-MW-04		ISCO-MW-04		ISCO-MW-05	
Lab Sample ID:			833969		200-3445-2		833970		200-3445-3		833971		200-3445-4		833975		200-3445-5		833974	
Date Sampled:			6/26/2010		1/20/2011		6/26/2010		1/20/2011		6/26/2010		1/20/2011		6/26/2010		1/20/2011		6/26/2010	
TAL Metals ILM05.4	CAS Number	Units																		
Aluminum	7429-90-5	ug/l	1040.0		3560.0		7900.0		3640.0		14000.0		1330.0		5400.0		2400.0		672.0	
Antimony	7440-36-0	ug/l	60.0	U	5.6	J	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	3.5	J	60.0	U
Arsenic	7440-38-2	ug/l	10.0	U	10.0	U	10.0	U	3.7	J	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Barium	7440-39-3	ug/l	28.4	J	54.5	J	50.9	J	24.5	J	88.5	J	90.8	J	38.4	J	66.9	J	36.1	J
Beryllium	7440-41-7	ug/l	0.30	J	5.0	U	1.3	J	5.0	U	1.7	J	5.00	U	1.0	J	5.0	U	5.0	U
Cadmium	7440-43-9	ug/l	5.0	U	0.77	J	5.0	U	5.0	U	5.0	U	5.00	U	5.0	U	5.0	U	5.0	U
Calcium	7440-70-2	ug/l	17400.0		20500.0		16800.0		12700.0		14500.0		13100.0		20300.0		20100.0		18700.0	
Chromium	7440-47-3	ug/l	10.6		141.0		42.1		22.6		21.8		90.4		30.0		135.0		22.6	
Cobalt	7440-48-4	ug/l	50.0	U	50.0	U	10.6	J	50.0	U	50.0	U	-1.78041-005		50.0	U	50.0	U	50.0	U
Copper	7440-50-8	ug/l	25.0	U	3.2	J	4.5	J	8.9	J	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U
Iron	7439-89-6	ug/l	44.5	J	267.0		168.0		521.0		77.9	J	179.0		43.0	J	26.4	J	19.0	J
Lead	7439-92-1	ug/l	10.0	U	10.0	U	10.0	U	3.2	J	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	7439-95-4	ug/l	8590.0		9370.0		6610.0		3060.0	J	7720.0		6270.0		8320.0		8810.0		10300.0	
Manganese	7439-96-5	ug/l	12.3	J	2670.0		420.0		750.0		24.3		10200.0		325.0		15300.0		39.4	
Mercury	7439-97-6	ug/l	0.20	U	0.56		0.20	U	0.20	U	0.20	U	0.20	J	0.20	U	0.091	J	0.20	U
Nickel	7440-02-0	ug/l	45.6		88.5		379.0		133.0		108.0		95.4		167.0		18.9	J	37.9	J
Potassium	7440-09-7	ug/l	6640.0		14100.0		12000.0		18300.0		5250.0		17300.0		13600.0		22600.0		4500.0	J
Selenium	7782-49-2	ug/l	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U	35.0	U
Silver	7440-22-4	ug/l	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Sodium	7440-23-5	ug/l	26400.0		27100.0		36900.0		19800.0		22000.0		16700.0		31000.0		25300.0		33800.0	
Thallium	7440-28-0	ug/l	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U
Vanadium	7440-62-2	ug/l	50.0	U	50.0	U	50.0	U	6.5	J	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Zinc	7440-66-6	ug/l	22.0	J	30.2	J	36.7	J	20.9	J	16.6	J	59.8	J	33.5	J	32.1	J	24.9	J
Total Organic Carbon - SM5310B	NA	mg/l	1.1		100.0	U	1.9		1.7		1.8		100.0	U	1.3		100.0	U	1.1	
Total Suspended Solids - SM2540D	NA	mg/l	5.0	U	7.5		5.0	U	28.5		5.0	U	14.5		7.0		5.0	U	5.0	U
Total Dissolved Solids - SM2540C	NA	mg/l	220.0		267.0		220.0		213.0		210.0		275.0		250.0		341.0		220.0	
Chloride - MCAWW Method 300.0	NA	mg/l	34.0		26.7		18.0		16.3		17.0		15.4		38.0		26.0		46.0	
Sulfate - MCAWW Method 300.0	NA	mg/l	23.0		29.2		31.0		16.4		38.0		16.5		38.0		27.7		39.0	
Alkalinity - SM2320B	NA	mg/l	25.0		43.2		76.0		37.8		24.0		30.7		23.0		39.0		17.0	

Qualifiers
J - Estimated Value
U - Not detected at method detection limit.
NA - Not Analyzed
1 - ISCO-MW-06 is blind duplicate
of ISCO-MW-04

Table 2. Summary of Baseline and 180-Day (Final) TAL Metals and Geochemical Analysis. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-05		ISCO-MW-06		ISCO-MW-06		FB-01202011		FB-01202011	
Lab Sample ID:			200-3445-1		833972		200-3445-6		NA		200-3445-7	
Date Sampled:			1/20/2011		6/26/2010		1/20/2011		6/26/2010		1/20/2011	
TAL Metals ILM05.4	CAS Number	Units										
Aluminum	7429-90-5	ug/l	2010.0		7540.0		2410.0		NA		200.0	U
Antimony	7440-36-0	ug/l	4.1	J	60.0	U	60.0	U	NA		60.0	U
Arsenic	7440-38-2	ug/l	10.0	U	10.0	U	10.0	U	NA		10.0	U
Barium	7440-39-3	ug/l	41.4	J	49.3	J	70.5	J	NA		200.0	U
Beryllium	7440-41-7	ug/l	5.0	U	1.3	J	5.0	U	NA		5.0	U
Cadmium	7440-43-9	ug/l	5.0	U	5.0	U	5.0	U	NA		5.0	U
Calcium	7440-70-2	ug/l	18400.0		17000.0		20700.0		NA		5000.0	U
Chromium	7440-47-3	ug/l	157.0		39.8		138.0		NA		10.0	U
Cobalt	7440-48-4	ug/l	50.0	U	9.7	J	50.0	U	NA		50.0	U
Copper	7440-50-8	ug/l	25.0	U	4.6	J	25.0	U	NA		10.2	J
Iron	7439-89-6	ug/l	252.0		160.0		24.3	J	NA		100.0	U
Lead	7439-92-1	ug/l	10.0	U	10.0	U	10.0	U	NA		10.0	U
Magnesium	7439-95-4	ug/l	11200.0		6520.0		8950.0		NA		5000.0	U
Manganese	7439-96-5	ug/l	14200.0		442.0		15900.0		NA		3.7	J
Mercury	7439-97-6	ug/l	0.16	J	0.20	U	0.11	J	NA		0.026	J
Nickel	7440-02-0	ug/l	18.7	J	359.0		19.9	J	NA		40.0	U
Potassium	7440-09-7	ug/l	20400.0		11800.0		23000.0		NA		5000.0	U
Selenium	7782-49-2	ug/l	35.0	U	35.0	U	35.0	U	NA		35.0	U
Silver	7440-22-4	ug/l	10.0	U	10.0	U	10.0	U	NA		10.0	U
Sodium	7440-23-5	ug/l	26800.0		35700.0		25900.0		NA		5000.0	U
Thallium	7440-28-0	ug/l	25.0	U	25.0	U	25.0	U	NA		25.0	U
Vanadium	7440-62-2	ug/l	50.0	U	50.0	U	50.0	U	NA		50.0	U
Zinc	7440-66-6	ug/l	8.8	J	36.8	J	7.8	J	NA		60.0	U

Total Organic Carbon - SM5310B	NA	mg/l	100.0	U	2.3		NA		NA		NA	

Total Suspended Solids - SM2540D	NA	mg/l	5.5		11.0		NA		NA		NA	

Total Dissolved Solids - SM2540C	NA	mg/l	1100.0		220.0		NA		NA		NA	
Chloride - MCAWW Method 300.0	NA	mg/l	27.8		18.0		NA		NA		NA	

Sulfate - MCAWW Method 300.0	NA	mg/l	29.0		31.0		NA		NA		NA	

Alkalinity - SM2320B	NA	mg/l	37.3		67.0		NA		NA		NA	

Qualifiers
J - Estimated Value
U - Not detected at method detection limit.
NA - Not Analyzed
1 - ISCO-MW-06 is blind duplicate
of ISCO-MW-04

Table 3. Summary of Baseline and 180-Day (Final) Laboratory Blank Analysis. Port Jefferson, New York.

Panther Sample ID:			TRIP BLANK		TRIP BLANK		VHBLK01		VHBLK01		VBLKJH		VBLKJI		VBLKJL		VIBLKJM	
Lab Sample ID:			833977		200-3445-8		833978		200-3445-9STOBLK		VBLKJH		VBLKJI		VBLKJL		VIBLKJM	
Date Sampled:			6/26/2010		1/20/2011		6/26/2010		1/20/2011		6/30/2010		6/30/2010		6/30/2010		6/30/2010	
TCL VOCs SOM01.2	CAS Number	Units																
1,1,1-Trichloroethane	71-55-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	75-34-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	75-35-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.03	J	0.50	U	0.50	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	106-93-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-dichlorobenzene	95-50-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	107-06-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	78-87-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-dichlorobenzene	541-73-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-dichlorobenzene	106-46-7	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone (MEK)	78-93-3	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Hexanone	591-78-6	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	67-64-1	ug/l	2.5	JB	1.3	J	2.8	JB	5.0	U	1.6	J	1.8	J	3.8	J	1.8	JB
Benzene	71-43-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	74-97-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	75-27-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	75-25-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	74-83-9	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	75-15-0	ug/l	0.06	J	0.50	U	0.50	U	0.50	U	0.07	J	0.50	U	0.06	J	0.50	U
Carbon tetrachloride	56-23-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	108-90-7	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	75-00-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	67-66-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	74-87-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	110-82-7	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	124-48-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	75-71-8	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	100-41-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	98-82-8	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m&p-Xylene	179601-23-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	79-20-9	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	108-87-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	75-09-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	95-47-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	100-42-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	127-18-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	108-88-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene	79-01-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.31	J
Trichlorofluoromethane	75-69-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	75-01-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Total TIC, Volatile	Not Available	ug/l	14.91	JXBN	28.92	JXBN	6.98	JXBN	28.92	JXBN	14.91	JXN	14.91	JXN	6.98	JX	14.91	JXBN

Notes
VHBLK01 is a storage blank all others are method or equipment blanks except trip blanks.
Italics and grey shading indicates compounded detected above MDL.

Qualifiers
J - Estimated Value
X - a non-target constituent that represented a compound that is related to the DMC formulation.
B - Analyte detected in associated method blank.
U - Not detected at method detection limit.
N - Indicates presumptive evidence of compound.

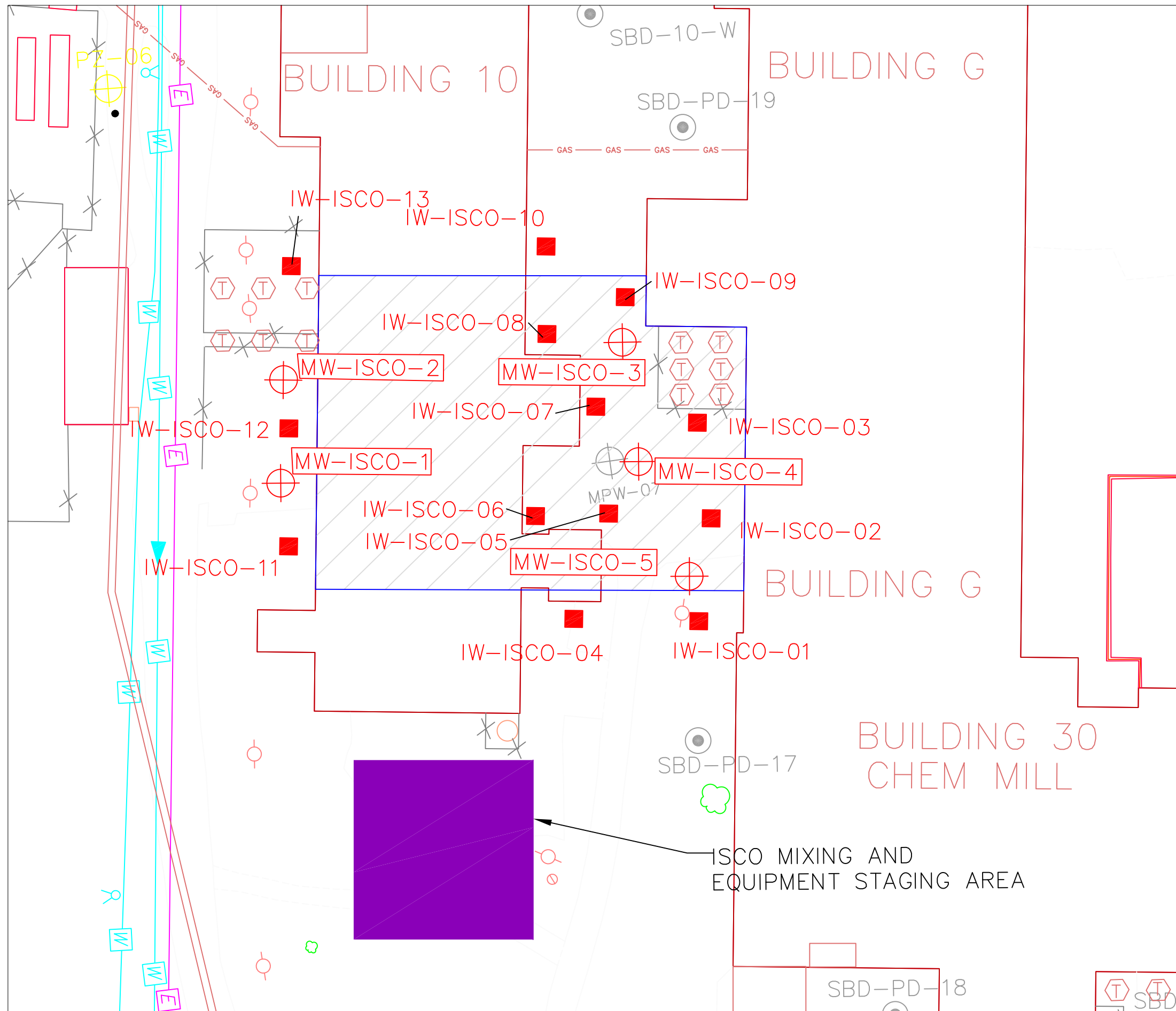
Table 3. Summary of Baseline and 180-Day (Final) Laboratory Blank Analysis. Port Jefferson, New York.

Panther Sample ID:			VIBLKJN		VIBLKJR		VIBLKJS		VIBLKJV		VIBLKJX	
Lab Sample ID:			VIBLKJN		VIBLKJR		VIBLKJS		VIBLKJV		VIBLKJX	
Date Sampled:			6/30/2010		6/30/2010		6/30/2010		6/30/2010		6/30/2010	
TCL VOCs SOM01.2	CAS Number	Units										
1,1,1-Trichloroethane	71-55-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethane	75-34-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,1-Dichloroethene	75-35-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromoethane	106-93-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-dichlorobenzene	95-50-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloroethane	107-06-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dichloropropane	78-87-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-dichlorobenzene	541-73-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,4-dichlorobenzene	106-46-7	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
2-Butanone (MEK)	78-93-3	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Hexanone	591-78-6	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	67-64-1	ug/l	1.9	JB	1.7	JB	2.0	JB	1.1	JB	1.4	JB
Benzene	71-43-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromochloromethane	74-97-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromodichloromethane	75-27-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromoform	75-25-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Bromomethane	74-83-9	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon disulfide	75-15-0	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Carbon tetrachloride	56-23-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chlorobenzene	108-90-7	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroethane	75-00-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloroform	67-66-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Chloromethane	74-87-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Cyclohexane	110-82-7	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	124-48-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dichlorodifluoromethane	75-71-8	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Ethylbenzene	100-41-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Isopropylbenzene	98-82-8	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
m&p-Xylene	179601-23-1	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Acetate	79-20-9	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	108-87-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	75-09-2	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	95-47-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	100-42-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethene	127-18-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toluene	108-88-3	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Trichloroethene	79-01-6	ug/l	0.29	J	0.40	J	0.45	J	0.055	J	0.50	U
Trichlorofluoromethane	75-69-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Vinyl chloride	75-01-4	ug/l	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Total TIC, Volatile	Not Available	ug/l	6.98	JXB	6.98	JXB	6.98	JXB	6.98	JXB	14.91	JXBN

Notes
VHBLK01 is a storage blank all others are method or equipment blanks except trip blanks.
Italics and grey shading indicates compounded detected above MDL.

Qualifiers
J - Estimated Value
X - a non-target constituent that represented a compound that is related to the DMC formulation.
B - Analyte detected in associated method blank.
U - Not detected at method detection limit.
N - Indicates presumptive evidence of compound.

Figures
Lawrence Aviation Superfund Site
Port Jefferson, New York

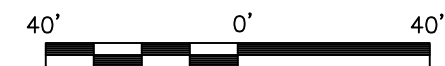


LEGEND

IW-ISCO-05 ■ APPROXIMATE LOCATION OF INSITU CHEMICAL OXIDATION INJECTION WELLS (13 TOTAL)

MW-ISCO-4 ⊕ APPROXIMATE LOCATION OF ISCO MONITORING WELLS (5 TOTAL)

▨ ISCO TREATMENT AREA



Title: INSITU CHEMICAL OXIDATION CONCEPTUAL SITE PLAN PORT JEFFERSON, NEW YORK			
Prepared For: ARROWHEAD CONTRACTING, INC.			
PANTHER TECHNOLOGIES, INC.	Compiled by: K.D.D.	Date: 04/10	Figure 1
	Prepared by: K.D.D.	Scale: SHOWN	
	Project Mgr: K.D.D.	Revision: FINAL	
	Proj No: J303001	File No:303001008	

Attachment A
Baseline and Final Sampling Event Groundwater Sampling Logs
Lawrence Aviation Superfund Site
Port Jefferson, New York

Figure 2. Ground Water Sampling Log

Project LAI J 80300 Site Pont JEFF. NY Well No. 1500 MN01 Date 6/24/10
 Well Depth 217' (216') Screen Length 10' Well Diameter 4" Casing Type SS. SCREEN PVC RISON
 Sampling Device QED 5 Pro Tubing type Poly 3/8" (DEDICATED) Water Level 187' 10 1/4" Tol
 Measuring Point TOL. Other Infor PUMP SET APPROX 205' - 207' Tol.
QED MP50 CONTROLLER; SAMPLE PRO BLINDER PUMP; EXT. ANN.; HORIBA WATER QNT
 Sampling Personnel J. SIMPSON, T. VAIL. HALK (COLORIMETER) METER

KMNO₃

Time	pH	Temp	Cond.	Dis.O ₂	Turb.	[] Conc	Flow	ORP	Notes
						(mg/L)	(ml/min)		
0615	04								DTW - 187' 10 1/2"
0630	6.49		0.227	7.89	18.3		205	112	CLEAR, NO FINES OR COLOR.
0645	5.48	19.6	0.274	8.76	502(E)		205	178	DTW - 187' 10 1/2"
0700	5.64	19.2	0.273	9.76	7.0		205	177	
0715	5.69	19.3	0.275	8.14	1.0		205	176	DTW 187' 10 1/4"
0730	5.72	18.9	0.269	7.99	9.2	1.12	205	172	
0745	5.75	19.5	0.275	8.27	22.7	0.81	200	174	CLEAR NO FINES, NO COLOR.
0800	5.75	19.7	0.269	7.99	6.3	1.02	200	174	DTW - 187' 10 3/8"
0830	5.78	19.7	0.275	9.0	1.0	1.05	200	182	
0845									
0900	5.75	20.4	0.275	7.46	6.9	1.57	200	188	
0915	5.75	20.2	0.280	8.37	3.3			187	DTW - 187' 10 3/8"
0930	5.76	20.59	0.282	8.35	4.1	1.87	200	187	
0945	5.76	20.6	0.283	8.35	2	1.94	200	186	— Collect Sample
									Purge Volume
									(APPROX. 8 GALL)

Type of Samples Collected

NOTE: Discharge tubing used was DEDICATED TO MN01 FROM PREVIOUS SAMPLING EVENTS.

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft; Vol_{cyl} = $\pi r^2 h$, Vol_{sphere} = $4/3 \pi r^3$

Figure 2. Ground Water Sampling Log

Project LAI J303001 Site Port JEFF, NY Well No. 1580-MW02 Date 6/24/10
 Well Depth 217' (216') Screen Length 10' Well Diameter 4.6" Casing Type SS SCREEN PUL-RISON
 Sampling Device SIMPLIC Pro QED Tubing type Poly 3/4 x 1/4 (NEW) Water Level 187' 2" TOL
 Measuring Point TOL Other Infor Weather: Hot, Humid, 49° PM T-Storm (Chances)
RED MP50 Controller, Homer Water Q/Hy Motor, Hatch (Colonization)
 Sampling Personnel J. SIMPSON, T. Vail Note: PUMP SET APPROX (205-207' TOL)

Time	pH	Temp	Cond.	Dis.O ₂	Turb.	[] Conc	ORP	Flow	Notes
1110						KMNO ₄		(ml/min)	Start Pumps
1130	6.26	21.7	0.249	7.36	22	(mg/L)	162	195	Clean, 1.51. Fines
1145	6.32	21.3	.226	7.50	29	3.90	162	192	DTW - 187' 1 3/4"
1200	6.35	21.9	.223	7.25	30.2	3.83	163	192	
1215	6.39	21.9	.222	7.24	35.9	3.76	162	192	DTW - 187' 2 1/4"
1230	6.39	21.5	.222	7.28	39.8	3.89	162	190	
1245	6.40	21.1	.222	7.37	47.3	4.03	162	190	Drain & Rinse Horiba
1300	6.40	21.5	0.224	9.21	12.5	3.74	161	180	↓ DTW - 187' 2 1/4"
1315	6.41	21.9	0.232	7.85	13		160	190	Clean to very faint Pale yellow.
1330	6.43	23.1	.227	8.40	14.1	4.46	160	200	
1345	6.41	23.0	.234	7.91	16.5	4.10	159	200	" "
1400	6.41	23.2	0.232	7.89	21.4	4.15	160	200	DTW - 189' 2 1/2"
1415	6.40	23.3	0.232	7.90	23		161	200	- Collect Sample
									Total Pumps Vol:
									(Approx. 6 1/2 - 7 gal.)
Note: Collect DUPLICATE (BLIND) SAMPLE									
SAMPLE ID - MW06 Time 10. 1600 6/24									

Type of Samples Collected

Note: USED NEW length of Discharge tubing to be dedicated to well

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft: Vol_{cyl} = πr²h, Vol_{sphere} = 4/3πr³

Figure 2. Ground Water Sampling Log

Project LAI 1303001 Site Pont-Leff. NY Well No. BLO MW03 Date 6/24/10
 Well Depth 217' (216') Screen Length 10' Well Diameter 4" Casing Type SS SCREEN PVC P/BOW
 Sampling Device SAMPLE PRO QED Tubing type Poly 3/4" x 1/4" Water Level 188' 1 1/2"
 Measuring Point TOL Other Infor Weather: Hot, Humid 96% BREEZY
RED MP50 Controller, Horiba Water Oily Mtn, HACH (Colorimeter)
 Sampling Personnel J. SIMPSON Note: Pump set approx 207'-205'

Time	pH	Temp	Cond.	Dis.O ₂	Turb.	[] Conc	ORP	Flow.	Notes
1830	Begin Purging.					RMNO			
1845	5.32	20.1	0.244	7.0	76		203		DW - 188' 1 3/4"
1900	5.08	18.6	0.232	7.1	E	2.37	227	NO	CLEM.
1910	5.11	16.7	0.235	7.1	12	1.05	229	NO	River Harbor w/ Bay.
1920	5.33	16.9	0.239	6.54	9.6	1.26	230	NO	CLEM DW - 188' 1 1/4"
1930	5.36	16.9	0.241	7.12	7.1	1.25	230	NO	
1940	5.39	17.1	0.244	7.33	3.0	1.23	230	105	
1950	5.40	17.2	0.243	6.43	2.3		230	NO	DW - 188' 1 3/4"
2000	5.40	17.1	0.243	6.79	3.1	1.15	231	NO	
2010	5.39	16.9	0.242	6.81	5.7		230	NO	
2020	5.40	17.3	0.242	6.80	2.3	1.06	231	NO	
2030	5.40	17.28	0.243	6.82	1.8	1.19	231	NO	DW - 188' 1 7/8"
2030 -	Collect Sample.								
									Purge Volume:
									(approx 4 1/2 - 5 gal)

Type of Samples Collected

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft: $Vol_{cyl} = \pi r^2 h$, $Vol_{sphere} = 4/3 \pi r^3$

Figure 2. Ground Water Sampling Log

Project LAI J303001 Site Port Jeff. NY Well No. 1510 MW04 Date 6/25/10
 Well Depth 217' (210') Screen Length 10' Well Diameter 4" Casing Type SS SCREENED, PVC-REIN
 Sampling Device Bladder Pump Tubing type Poly 3/8" x 1/4" Water Level * SEE FIELD LOG 6/25
 Measuring Point TOL Other Infor Weather: Warm. E to W 14-20. Lt. Wind.
Equip: QED SamplePro Pump, MP50 Controller, Olympia 500' Sounding, Hontela (city)
 Sampling Personnel J. Simpson Maell (color)

Time	pH	Temp	Cond.	Dis.O ₂	Turb.	mg/L	ORP	ml/ml	Notes
						[] Conc		Flow	
1035						KmH ₂ O ₂			START Pumping
1050	4.99	19.7	0.411	9.89	47		132	210	Clear w/ some Fns.
1100	5.39	19.1	0.352	9.10	32	1.32	156	220	DTW -
1110	5.37	18.9	0.337	7.18	17.9		179	220	
1120	5.28	19.2	0.331	8.09	3.0	0.87	200		Rinse Hontela
1130	5.31	18.9	0.340	8.58	7.0		205	220	
1140	5.29	18.9	0.331	8.27	11.0	0.95	207		
1155	5.29	18.7	0.328	8.33	2.0		205		DTW -
1205	5.42	19.0	0.329	7.94	1.9		203	220	
1215	5.50	19.1	0.328	7.57	1.5	1.3	208		
1225	5.54	19.1	0.328	7.71	2.1	2.7	207	220	
1235	5.63	19.0	0.330	8.01	1.5	2.9	219		Clear, No color.
1245	5.67	18.9	0.331	8.23	1.9	3.4	229	220	
1255	5.67	19.1	0.331	8.21	0.7	3.47	231		DTW -
1310	5.66	19.0	0.331	8.20	1.1	3.51	231	220	D
1320	5.67	19.2	0.331	8.45	1.5	3.90	249	220	
1330	Collect Samples								Approx Pump Vol:
									(7 - 7 1/2 gal)

Type of Samples Collected

Note: USED DEDICATED TUBING FROM PREV. SAMPLING EVENT.

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft; Vol_{cyl} = πr²h, Vol_{sphere} = 4/3πr³

Figure 2. Ground Water Sampling Log

Project LA1 J303001 Site Pont Jeff M4 Well No. 1560 MW05 Date 6/25/10
 Well Depth 217' (216') Screen Length 10' Well Diameter 4" Casing Type SS SCREEN PVC Riser
 Sampling Device SAMPLE PRO Tubing type Poly 3/8 x 1/4" Water Level 187' 7 3/4"
 Measuring Point TOL Other Infor Weather: Clear L 60 H 90 Lt. Wind
Equip: MORIBA Water Rity Mtn, Olympic 500', QED MP 50 Controller, BEND. Pump.
 Sampling Personnel J. SIMPSON

RMWD

Time	pH	Temp	Cond.	Dis.O ₂	Turb.	[] Conc	ORP	Flow	Notes
0600						mg/L			Start Purge
0615	5.98	16.9	0.411	8.01	7.4			110 ml/min	
0630	5.39	16.5	0.345	7.67	5.8		165		DTW - 187' 7 7/8"
0645	5.31	16.9	0.349	9.01	14		171	220	CLEAR, NO FIBES
0700	5.70	16.9	0.341	7.98	11		184	210	No Colon
0715	5.60	16.1	0.340	7.51	4				DTW - 187' 7 3/4"
0730	5.52	15.9	0.339	7.23	1	0.72	180	220	
0745	5.55	15.7	0.338	7.13	1.4		186		
0755	5.54	15.7	0.338	7.13	2.4	2.01	189	210	DTW - 187' 8"
0805	5.55	15.7	0.335	7.01	3	0.58	190	210	CLEARED Colon. ^{Col. Hatched}
0820	5.56	15.65	0.332	9.87	1.6	0.59	196		
0830	5.56	15.7	0.331	7.73	2.4		201	210	DTW - 187' 8"
0840	5.57	15.7	0.332	7.1	4		201		
0850	5.57	15.8	0.332	6.81	6.5	0.20	203	220	CLEM
0910	5.57	15.6	0.331	6.99	3.1		204	220	"
0920	5.57	15.7	0.331	6.91	4	0.20	203	220	DTW 187' 8 1/8"
0930	- Collect Samples								Purge Volume:
									(Approx 8 1/2 gal)

Type of Samples Collected

Note: New Discharge Tubing Used & Dedicated to Well.

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft: $Vol_{cyl} = \pi r^2 h$, $Vol_{sphere} = 4/3 \pi r^3$

Project Number: J303001
Date: 1/20/11
Sampling Time: _____
Weather: clear pty clay

Well ID: MW-1
Sampled By: Stripson
Recorded By: Stripson

	PID	Water-Level Meter	Water Quality Meter(s)
Serial #:		Schmidt 300	HoniBe

[illegible]

Well Condition: Good.
Color: Light Pink/Purple
Odor: _____

DURING SAMPLING
Purge Water Disposal: Free Tank.
Turbidity (qualitative): _____
Other (OVA, HNU, etc.): _____

Ferrous Iron (Hach) _____mg/dilution? Yes/no
Sulfide (Hach) _____mg/dilution? Yes/no

GROUNDWATER SAMPLING FORM

Project Number: ✓303001-
Date: 1/20/2011
Sampling Time: _____
Weather: Ptly cldy

Well ID: MW-2
 Sampled By: J. Simpson
 Recorded By: J. Simpson

INSTRUMENT IDENTIFICATION

	PID	Water-Level Meter	Water Quality Meter(s)
Serial #:		Solinst 300	Haniba

PURGING INFORMATION

FIELD PARAMETER MEASUREMENTS

[illegible]

OBSERVATIONS DURING SAMPLING

Well Condition: Good.

Purge Water Disposal: Free bank.

Color: _____

Turbidity (qualitative): _____

Odor: _____

Other (OVA, HNU, etc.): _____

Field Analyses:

Ferrous Iron (Hach) _____mg/dilution? Yes/no

Sulfide (Hach) _____mg/dilution? Yes/no

GROUNDWATER SAMPLING FORM

Project Number: J303001
Date: 1/20/2011
Sampling Time: _____
Weather: Clear, Windy H32-L21

Well ID: MW-3
Sampled By: M. Prostko
Recorded By: M. Prostko

INSTRUMENT IDENTIFICATION

	PID	Water-Level Meter	Water Quality Meter(s)
Serial #:		Solinst 300	Horiba U-22

PURGING INFORMATION

FIELD PARAMETER MEASUREMENTS

[illegible]

OBSERVATIONS DURING SAMPLING

Well Condition: Good
Color: lt. Purple
Odor:

Purge Water Disposal: To Frac Tank
Turbidity (qualitative): _____
Other (OVA, HNU, etc.): _____

Field Analyses:

Ferrous Iron (Hach) _____mg/dilution? Yes/no
Sulfide (Hach) _____mg/dilution? Yes/no

GROUNDWATER SAMPLING FORM

Project Number: 1303001
Date: 1/10/2011
Sampling Time: _____
Weather: Clear 43 21

Well ID: MW-4
Sampled By: B. B. B.
Recorded By: H. B. B.

INSTRUMENT IDENTIFICATION

	PID	Water-Level Meter	Water Quality Meter(s)
Serial #:		Solinst 300'	Horiba

PURGING INFORMATION

FIELD PARAMETER MEASUREMENTS

[illegible]

OBSERVATIONS DURING SAMPLING

Well Condition: Good.
Color: _____
Odor: _____

Purge Water Disposal: To Face Tower
Turbidity (qualitative): _____
Other (OVA, HNU, etc.): _____

Field Analyses:

Ferrous Iron (Hach) _____mg/dilution? Yes/no
Sulfide (Hach) _____mg/dilution? Yes/no

GROUNDWATER SAMPLING FORM

Project Number: V303001
 Date: 1/19/2011
 Sampling Time: _____
 Weather: Rain 43°

Well ID: MW-5
 Sampled By: Dujis
 Recorded By: "

INSTRUMENT IDENTIFICATION

	PID	Water-Level Meter	Water Quality Meter(s)
Serial #:		<u>Solinst 300'</u>	<u>Honiba</u>

PURGING INFORMATION

FIELD PARAMETER MEASUREMENTS

Time	Minutes Elapsed	Rate ml/min	Water Purged	Turbidity (NTUs)	REDOX (mV)	PH (SI Units)	Conductivity (µmhos/cm)	Temp (°C)	Depth to Water	Diss. Oxygen	Comments
									<u>187.1'</u>		
<u>1105</u>	<u>0</u>										<u>Start.</u>
<u>1120</u>	<u>15</u>	<u>200</u>	<u>2.1 gal</u>	<u>220</u>	<u>237</u>	<u>4.09</u>	<u>E</u>	<u>4.1</u>	<u>187.15'</u>	<u>9.92</u>	<u>NOTE: ROG.</u> <u>TAKEN W/</u> <u>COVER ON Honiba</u> <u>ROG INVALID</u>
<u>1140</u>	<u>35</u>	<u>200</u>	<u>1.5 gal</u>	<u>220</u>	<u>261</u>	<u>4.13</u>	<u>"</u>	<u>5.6</u>	<u>"</u>	<u>9.37</u>	
<u>1200</u>	<u>55</u>	<u>"</u>	<u>2.0 gal</u>	<u>"</u>	<u>283</u>	<u>4.14</u>	<u>"</u>	<u>5.5</u>	<u>"</u>		
<u>1230</u>	<u>85</u>	<u>200</u>	<u>3.0</u>	<u>5</u>	<u>625</u>	<u>5.69</u>	<u>0.412</u>	<u>8.34</u>	<u>187.1</u>	<u>11.60</u>	
<u>1245</u>	<u>100</u>	<u>200</u>	<u>3.5 gal</u>	<u>2.3</u>	<u>631</u>	<u>5.71</u>	<u>0.413</u>	<u>8.41</u>	<u>"</u>	<u>11.24</u>	
<u>1300</u>	<u>115</u>	<u>200</u>	<u>4.0 gal</u>	<u>3.25</u>	<u>629</u>	<u>5.70</u>	<u>0.413</u>	<u>8.4</u>	<u>"</u>	<u>11.27</u>	
<u>1330</u>	<u>145</u>	<u>200</u>	<u>4.75</u>	<u>3.5</u>	<u>630</u>	<u>5.71</u>	<u>0.412</u>	<u>8.4</u>	<u>"</u>	<u>11.29</u>	
<u>1400</u>	<u>175</u>	<u>200</u>	<u>5.2</u>	<u>4</u>	<u>631</u>	<u>5.70</u>	<u>0.411</u>	<u>8.35</u>	<u>187.15</u>	<u>11.3</u>	
									<u>1400 = *SAMPLE</u>		

OBSERVATIONS DURING SAMPLING

Well Condition: Good
 Color: Light Purple/Pink
 Odor: _____

Purge Water Disposal: Pure Tank
 Turbidity (qualitative): _____
 Other (OVA, HNU, etc.): _____

Field Analyses:

Ferrous Iron (Hach) _____ mg/dilution? Yes/no
 Sulfide (Hach) _____ mg/dilution? Yes/no

Attachment B
Final Sampling Event (180-Day) Data Package
Lawrence Aviation Superfund Site
Port Jefferson, New York

ANALYTICAL REPORT

Job Number: 200-3445-1

SDG Number: 200-3445-1

Job Description: Lawrence Aviation

For:

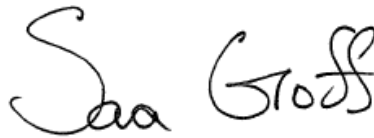
Panther Technologies

220 Route 70 East

Suite B

Medford, NJ 08055

Attention: Mr. Kevin Dyson



Approved for release.
Sara S Goff
Project Manager I
2/3/2011 3:02 PM

Sara S Goff
Project Manager I
sara.goff@testamericainc.com
02/03/2011

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: Panther Technologies

Project: Lawrence Aviation

Report Number: 200-3445-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 01/22/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

Sample volumes received for the analysis of Metals by method ISM01.2, Chloride and Sulfate by method 300.0 and Volatile Organic Compounds by SOM01.2 were neutralized prior to analysis per client request.

VOLATILE ORGANIC COMPOUNDS - TRACE

Samples MW-5, MW-1, MW-2, MW-3, MW-4, MW-6, FB 01202011 and TRIP BLANK were analyzed for Volatile Organic Compounds - Trace in accordance with EPA SOW SOM01.2. The samples were analyzed on 01/24/2011, 01/28/2011 and 01/29/2011.

Carbon disulfide, Chloroform and Methyl tert-butyl ether were detected in method blank MB 200-12583/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Several analytes were detected in method blank MB 200-12879/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Sample MW-2[7X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Present in the method blank analysis was a non-target constituent that represents a compound that is related to the DMC formulation. The derived results for that compound have been qualified with an "X" qualifier to reflect the source of the contamination.

No other difficulties were encountered during the VOC analyses. All other quality control parameters were within the acceptance limits.

MERCURY

Samples MW-5, MW-1, MW-2, MW-3, MW-4, MW-6 and FB 01202011 were analyzed for mercury in accordance with EPA SOW ISM01.2. The samples were prepared on 01/25/2011 and analyzed on 01/26/2011.

Mercury was detected in method blank MB 200-12607/11-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

No other difficulties were encountered during the mercury analyses. All other quality control parameters were within the acceptance limits.

METALS (ICP)

Samples MW-5, MW-1, MW-2, MW-3, MW-4, MW-6 and FB 01202011 were analyzed for Metals (ICP) in accordance with EPA SOW ISM01.2. The samples were prepared and analyzed on 01/25/2011.

Aluminum was detected in method blank MB 200-12588/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Antimony was detected in method blank MB 200-12588/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Samples MW-5[100X], MW-1[10X], MW-2[10X], MW-3[50X], MW-4[100X] and MW-6[100X] required dilution prior to analysis. The

reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

ALKALINITY

Samples MW-5, MW-1, MW-2, MW-3 and MW-4 were analyzed for alkalinity in accordance with SM20 2320B. The samples were analyzed on 01/26/2011.

No difficulties were encountered during the alkalinity analyses. All quality control parameters were within the acceptance limits.

TOTAL DISSOLVED SOLIDS

Samples MW-5, MW-1, MW-2, MW-3 and MW-4 were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 01/27/2011.

No difficulties were encountered during the TDS analyses. All quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS

Samples MW-5, MW-1, MW-2, MW-3 and MW-4 were analyzed for total suspended solids in accordance with SM20 2540D. The samples were analyzed on 01/26/2011.

No difficulties were encountered during the TSS analyses. All quality control parameters were within the acceptance limits.

ANIONS

Samples MW-5, MW-1, MW-2, MW-3 and MW-4 were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 01/27/2011.

Samples MW-5[5X], MW-1[5X], MW-2[5X], MW-3[5X] and MW-4[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analyses. All quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples MW-5, MW-1, MW-2, MW-3 and MW-4 were analyzed for total organic carbon in accordance with SM20 5310B. The samples were analyzed on 01/26/2011.

Samples MW-5[100X], MW-1[100X], MW-3[100X] and MW-4[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the TOC analyses. All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-3445-1SDG No.: 200-3445-1Instrument ID: J.i Analysis Batch Number: 12248Lab Sample ID: IC 200-12248/4 Client Sample ID: _____Date Analyzed: 01/14/11 11:39 Lab File ID: jci04.d GC Column: DB-624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromoform	9.96	Analyte not identified by the data system	jh2	01/14/11 13:19

Lab Sample ID: IC 200-12248/5 Client Sample ID: _____Date Analyzed: 01/14/11 12:05 Lab File ID: jci05.d GC Column: DB-624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane	8.39	Analyte not identified by the data system	jh2	01/14/11 13:13

SAMPLE SUMMARY

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-3445-1	MW-5	Water	01/19/2011 1400	01/22/2011 0850
200-3445-2	MW-1	Water	01/20/2011 1530	01/22/2011 0850
200-3445-3	MW-2	Water	01/20/2011 1800	01/22/2011 0850
200-3445-4	MW-3	Water	01/20/2011 1315	01/22/2011 0850
200-3445-5	MW-4	Water	01/20/2011 1130	01/22/2011 0850
200-3445-6	MW-6	Water	01/20/2011 1200	01/22/2011 0850
200-3445-7	FB 01202011	Water	01/20/2011 1600	01/22/2011 0850
200-3445-8	TRIP BLANK	Water	01/20/2011 0000	01/22/2011 0850
200-3445-9STOBLK	VHBLK01	Water	01/22/2011 0930	01/22/2011 0850

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-3445-1	MW-5					
Acetone		5.5	B	5.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		2.0	B	0.50	ug/L	SOM01.2/VOA_Tr
Chloroform		0.19	J	0.50	ug/L	SOM01.2/VOA_Tr
Benzene		0.12	J	0.50	ug/L	SOM01.2/VOA_Tr
Trichloroethene		0.075	J B	0.50	ug/L	SOM01.2/VOA_Tr
Bromoform		1.1		0.50	ug/L	SOM01.2/VOA_Tr
Mercury		0.16	J	0.20	ug/L	ISM01.2/HG
Aluminum		2010		200	ug/L	ISM01.2/ICP
Antimony		4.1	J	60.0	ug/L	ISM01.2/ICP
Barium		41.4	J	200	ug/L	ISM01.2/ICP
Calcium		18400		5000	ug/L	ISM01.2/ICP
Chromium		157		10.0	ug/L	ISM01.2/ICP
Iron		252		100	ug/L	ISM01.2/ICP
Magnesium		11200		5000	ug/L	ISM01.2/ICP
Manganese		14200		1500	ug/L	ISM01.2/ICP
Nickel		18.7	J	40.0	ug/L	ISM01.2/ICP
Potassium		20400		5000	ug/L	ISM01.2/ICP
Sodium		26800		5000	ug/L	ISM01.2/ICP
Zinc		8.8	J	60.0	ug/L	ISM01.2/ICP
Chloride		27.8		5.0	mg/L	300.0
Sulfate		29.0		5.0	mg/L	300.0
Alkalinity		37.3		5.0	mg/L	SM 2320B
Total Dissolved Solids		1100		5.0	mg/L	SM 2540C
Total Suspended Solids		5.5		5.0	mg/L	SM 2540D

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-3445-2	MW-1					
Acetone		4.8	J B	5.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		2.2	B	0.50	ug/L	SOM01.2/VOA_Tr
1,1-Dichloroethane		0.22	J	0.50	ug/L	SOM01.2/VOA_Tr
2-Butanone		0.94	J	5.0	ug/L	SOM01.2/VOA_Tr
Chloroform		0.45	J	0.50	ug/L	SOM01.2/VOA_Tr
1,1,1-Trichloroethane		0.24	J	0.50	ug/L	SOM01.2/VOA_Tr
Benzene		0.031	J	0.50	ug/L	SOM01.2/VOA_Tr
Trichloroethene		0.067	J B	0.50	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		0.060	J B	0.50	ug/L	SOM01.2/VOA_Tr
Mercury		0.56		0.20	ug/L	ISM01.2/HG
Aluminum		3560		200	ug/L	ISM01.2/ICP
Antimony		5.6	J	60.0	ug/L	ISM01.2/ICP
Barium		54.5	J	200	ug/L	ISM01.2/ICP
Cadmium		0.77	J	5.0	ug/L	ISM01.2/ICP
Calcium		20500		5000	ug/L	ISM01.2/ICP
Chromium		141		10.0	ug/L	ISM01.2/ICP
Copper		3.2	J	25.0	ug/L	ISM01.2/ICP
Iron		267		100	ug/L	ISM01.2/ICP
Magnesium		9370		5000	ug/L	ISM01.2/ICP
Manganese		2670		150	ug/L	ISM01.2/ICP
Nickel		88.5		40.0	ug/L	ISM01.2/ICP
Potassium		14100		5000	ug/L	ISM01.2/ICP
Sodium		27100		5000	ug/L	ISM01.2/ICP
Zinc		30.2	J	60.0	ug/L	ISM01.2/ICP
Chloride		26.7		5.0	mg/L	300.0
Sulfate		29.2		5.0	mg/L	300.0
Alkalinity		43.2		5.0	mg/L	SM 2320B
Total Dissolved Solids		267		5.0	mg/L	SM 2540C
Total Suspended Solids		7.5		5.0	mg/L	SM 2540D

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-3445-3	MW-2					
Acetone		2.7	J	5.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		0.96	B	0.50	ug/L	SOM01.2/VOA_Tr
1,1-Dichloroethane		0.073	J	0.50	ug/L	SOM01.2/VOA_Tr
cis-1,2-Dichloroethene		0.33	J	0.50	ug/L	SOM01.2/VOA_Tr
Chloroform		0.16	J B	0.50	ug/L	SOM01.2/VOA_Tr
1,1,1-Trichloroethane		0.10	J	0.50	ug/L	SOM01.2/VOA_Tr
Benzene		0.030	J	0.50	ug/L	SOM01.2/VOA_Tr
Trichloroethene		100	D	3.6	ug/L	SOM01.2/VOA_Tr
Toluene		0.14	J	0.50	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		1.2		0.50	ug/L	SOM01.2/VOA_Tr
m,p-Xylene		0.060	J	0.50	ug/L	SOM01.2/VOA_Tr
Aluminum		3640		200	ug/L	ISM01.2/ICP
Arsenic		3.7	J	10.0	ug/L	ISM01.2/ICP
Barium		24.5	J	200	ug/L	ISM01.2/ICP
Calcium		12700		5000	ug/L	ISM01.2/ICP
Chromium		22.6		10.0	ug/L	ISM01.2/ICP
Copper		8.9	J	25.0	ug/L	ISM01.2/ICP
Iron		521		100	ug/L	ISM01.2/ICP
Lead		3.2	J	10.0	ug/L	ISM01.2/ICP
Magnesium		3060	J	5000	ug/L	ISM01.2/ICP
Manganese		750		150	ug/L	ISM01.2/ICP
Nickel		133		40.0	ug/L	ISM01.2/ICP
Potassium		18300		5000	ug/L	ISM01.2/ICP
Sodium		19800		5000	ug/L	ISM01.2/ICP
Vanadium		6.5	J	50.0	ug/L	ISM01.2/ICP
Zinc		20.9	J	60.0	ug/L	ISM01.2/ICP
Chloride		16.3		5.0	mg/L	300.0
Sulfate		16.4		5.0	mg/L	300.0
Alkalinity		37.8		5.0	mg/L	SM 2320B
Total Dissolved Solids		213		5.0	mg/L	SM 2540C
Total Suspended Solids		28.5		5.0	mg/L	SM 2540D
Total Organic Carbon		1.7		1.0	mg/L	SM 5310B

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-3445-4	MW-3					
Acetone		9.3	B	5.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		1.3	B	0.50	ug/L	SOM01.2/VOA_Tr
1,1-Dichloroethane		0.14	J	0.50	ug/L	SOM01.2/VOA_Tr
Chloroform		0.30	J	0.50	ug/L	SOM01.2/VOA_Tr
1,1,1-Trichloroethane		0.13	J	0.50	ug/L	SOM01.2/VOA_Tr
Carbon tetrachloride		0.040	J	0.50	ug/L	SOM01.2/VOA_Tr
Trichloroethene		0.068	J B	0.50	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		0.094	J B	0.50	ug/L	SOM01.2/VOA_Tr
Bromoform		1.8		0.50	ug/L	SOM01.2/VOA_Tr
Mercury		0.20	J	0.20	ug/L	ISM01.2/HG
Aluminum		1330		200	ug/L	ISM01.2/ICP
Barium		90.8	J	200	ug/L	ISM01.2/ICP
Calcium		13100		5000	ug/L	ISM01.2/ICP
Chromium		90.4		10.0	ug/L	ISM01.2/ICP
Cobalt		-1.78041-005		50.0	ug/L	ISM01.2/ICP
Iron		179		100	ug/L	ISM01.2/ICP
Magnesium		6270		5000	ug/L	ISM01.2/ICP
Manganese		10200		750	ug/L	ISM01.2/ICP
Nickel		95.4		40.0	ug/L	ISM01.2/ICP
Potassium		17300		5000	ug/L	ISM01.2/ICP
Sodium		16700		5000	ug/L	ISM01.2/ICP
Zinc		59.8	J	60.0	ug/L	ISM01.2/ICP
Chloride		15.4		5.0	mg/L	300.0
Sulfate		16.5		5.0	mg/L	300.0
Alkalinity		30.7		5.0	mg/L	SM 2320B
Total Dissolved Solids		275		5.0	mg/L	SM 2540C
Total Suspended Solids		14.5		5.0	mg/L	SM 2540D

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-3445-5	MW-4					
Chloromethane		0.15	J	0.50	ug/L	SOM01.2/VOA_Tr
Acetone		7.7	B	5.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		2.3	B	0.50	ug/L	SOM01.2/VOA_Tr
1,1-Dichloroethane		0.24	J	0.50	ug/L	SOM01.2/VOA_Tr
Chloroform		0.48	J	0.50	ug/L	SOM01.2/VOA_Tr
1,1,1-Trichloroethane		0.24	J	0.50	ug/L	SOM01.2/VOA_Tr
Benzene		0.032	J	0.50	ug/L	SOM01.2/VOA_Tr
Trichloroethene		0.072	J B	0.50	ug/L	SOM01.2/VOA_Tr
Tetrachloroethene		0.076	J B	0.50	ug/L	SOM01.2/VOA_Tr
Mercury		0.091	J	0.20	ug/L	ISM01.2/HG
Aluminum		2400		200	ug/L	ISM01.2/ICP
Antimony		3.5	J	60.0	ug/L	ISM01.2/ICP
Barium		66.9	J	200	ug/L	ISM01.2/ICP
Calcium		20100		5000	ug/L	ISM01.2/ICP
Chromium		135		10.0	ug/L	ISM01.2/ICP
Iron		26.4	J	100	ug/L	ISM01.2/ICP
Magnesium		8810		5000	ug/L	ISM01.2/ICP
Manganese		15300		1500	ug/L	ISM01.2/ICP
Nickel		18.9	J	40.0	ug/L	ISM01.2/ICP
Potassium		22600		5000	ug/L	ISM01.2/ICP
Sodium		25300		5000	ug/L	ISM01.2/ICP
Zinc		32.1	J	60.0	ug/L	ISM01.2/ICP
Chloride		26.0		5.0	mg/L	300.0
Sulfate		27.7		5.0	mg/L	300.0
Alkalinity		39.0		5.0	mg/L	SM 2320B
Total Dissolved Solids		341		5.0	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
200-3445-6	MW-6					
Acetone		6.3	B	5.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		2.4	B	0.50	ug/L	SOM01.2/VOA_Tr
1,1-Dichloroethane		0.25	J	0.50	ug/L	SOM01.2/VOA_Tr
2-Butanone		0.67	J	5.0	ug/L	SOM01.2/VOA_Tr
Chloroform		0.48	J	0.50	ug/L	SOM01.2/VOA_Tr
1,1,1-Trichloroethane		0.26	J	0.50	ug/L	SOM01.2/VOA_Tr
Benzene		0.031	J	0.50	ug/L	SOM01.2/VOA_Tr
Mercury		0.11	J	0.20	ug/L	ISM01.2/HG
Aluminum		2410		200	ug/L	ISM01.2/ICP
Barium		70.5	J	200	ug/L	ISM01.2/ICP
Calcium		20700		5000	ug/L	ISM01.2/ICP
Chromium		138		10.0	ug/L	ISM01.2/ICP
Iron		24.3	J	100	ug/L	ISM01.2/ICP
Magnesium		8950		5000	ug/L	ISM01.2/ICP
Manganese		15900		1500	ug/L	ISM01.2/ICP
Nickel		19.9	J	40.0	ug/L	ISM01.2/ICP
Potassium		23000		5000	ug/L	ISM01.2/ICP
Sodium		25900		5000	ug/L	ISM01.2/ICP
Zinc		7.8	J	60.0	ug/L	ISM01.2/ICP
200-3445-7	FB 01202011					
Acetone		2.9	J	5.0	ug/L	SOM01.2/VOA_Tr
Methyl tert-butyl ether		0.044	J B	0.50	ug/L	SOM01.2/VOA_Tr
Mercury		0.026	J	0.20	ug/L	ISM01.2/HG
Copper		10.2	J	25.0	ug/L	ISM01.2/ICP
Manganese		3.7	J	15.0	ug/L	ISM01.2/ICP
200-3445-8	TRIP BLANK					
Acetone		1.3	J	5.0	ug/L	SOM01.2/VOA_Tr

METHOD SUMMARY

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Trace Water	TAL BUR	SOM01.2	SOM01.2/VOA_Tr
Volatile sample preservation, Field Preserved Water	TAL BUR		SOM01.2 SOM01.2/VOA_PR
ISM01.2 Mercury	TAL BUR	ISM01.2	ISM01.2/HG
Preparation, ISM01.2 Mercury (EPA 7470A)	TAL BUR		ISM01.2 ISM01.2/HG
ISM01.2 Metals (ICP)	TAL BUR	ISM01.2	ISM01.2/ICP
Preparation, ISM01.2 Metals ICP (EPA 200.7)	TAL BUR		ISM01.2 ISM01.2/ICP
Anions, Ion Chromatography	TAL SAV	MCAWW 300.0	
Alkalinity	TAL SAV	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL SAV	SM SM 2540C	
Solids, Total Suspended (TSS)	TAL SAV	SM SM 2540D	
Organic Carbon, Total (TOC)	TAL SAV	SM SM 5310B	

Lab References:

TAL BUR = TestAmerica Burlington

TAL SAV = TestAmerica Savannah

Method References:

ISM01.2 = U.S. Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SOM01.2 = U.S. Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method	Analyst	Analyst ID
SOM01.2 SOM01.2/VOA_Tr	Heald, John	JRH
ISM01.2 ISM01.2/HG	Sachs, Austin L	ALS
ISM01.2 ISM01.2/ICP	Lyons, Benjamin	BL
MCAWW 300.0	Brazell, Connie	CB
SM SM 2320B	Jackson, Michelle S	MSJ
SM SM 2540C	Nelson, Christopher	CN
SM SM 2540D	Jackson, Michelle S	MSJ
SM SM 5310B	Holmes, Tinita	TH

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-5

Lab Sample ID: 200-3445-1

Date Sampled: 01/19/2011 1400

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim18.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2230		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2230			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	5.5	B	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	2.0	B	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.19	J	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.12	J	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.075	J B	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	1.1		0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-5

Lab Sample ID: 200-3445-1

Date Sampled: 01/19/2011 1400

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim18.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2230		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2230			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	110		65 - 131
Chloroethane-d5	115		71 - 131
1,1-Dichloroethene-d2	85		55 - 104
2-Butanone-d5	97		49 - 155
Chloroform-d	108		78 - 121
1,2-Dichloroethane-d4	105		78 - 129
Benzene-d6	111		77 - 124
1,2-Dichloropropane-d6	104		79 - 124
Toluene-d8	111		77 - 121
trans-1,3-Dichloropropene-d4	105		73 - 121
2-Hexanone-d5	107		28 - 135
1,1,2,2-Tetrachloroethane-d2	108		73 - 125
1,2-Dichlorobenzene-d4	104		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-5

Lab Sample ID: 200-3445-1

Date Sampled: 01/19/2011 1400

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim18.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2230		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2230			

Tentatively Identified Compounds **Number TIC's Found: 6**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
420-56-4	Trimethylsilyl fluoride	1.74	7.7	J N
	Unknown alkane	3.45	0.53	B J
	Unknown	6.92	3.1	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.87	0.77	B J N
	Unknown siloxane derivative	10.69	0.71	B J
	Unknown	11.57	6.4	J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	13	J

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-1

Lab Sample ID: 200-3445-2

Date Sampled: 01/20/2011 1530

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim19.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2255		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2255			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	4.8	J B	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	2.2	B	0.50
1,1-Dichloroethane	0.22	J	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	0.94	J	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.45	J	0.50
1,1,1-Trichloroethane	0.24	J	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.031	J	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.067	J B	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.060	J B	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-1

Lab Sample ID: 200-3445-2

Date Sampled: 01/20/2011 1530

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim19.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2255		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2255			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	111		65 - 131
Chloroethane-d5	121		71 - 131
1,1-Dichloroethene-d2	88		55 - 104
2-Butanone-d5	100		49 - 155
Chloroform-d	112		78 - 121
1,2-Dichloroethane-d4	108		78 - 129
Benzene-d6	115		77 - 124
1,2-Dichloropropane-d6	102		79 - 124
Toluene-d8	113		77 - 121
trans-1,3-Dichloropropene-d4	112		73 - 121
2-Hexanone-d5	108		28 - 135
1,1,2,2-Tetrachloroethane-d2	109		73 - 125
1,2-Dichlorobenzene-d4	110		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-1

Lab Sample ID: 200-3445-2

Date Sampled: 01/20/2011 1530

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim19.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2255		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2255			

Tentatively Identified Compounds **Number TIC's Found: 6**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
420-56-4	Trimethylsilyl fluoride	1.75	2.6	J N
	Unknown alkane	3.45	0.54	B J
	Unknown	6.92	3.2	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.63	B J N
	Unknown siloxane derivative	10.69	0.62	B J
	Unknown	11.57	7.7	J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	14	J

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Date Sampled: 01/20/2011 1800

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif08.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1109		Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1109			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	2.7	J	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.96	B	0.50
1,1-Dichloroethane	0.073	J	0.50
cis-1,2-Dichloroethene	0.33	J	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.16	J B	0.50
1,1,1-Trichloroethane	0.10	J	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.030	J	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	100	E	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.14	J	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	1.2		0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.060	J	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Date Sampled: 01/20/2011 1800

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif08.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1109		Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1109			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	107		65 - 131
Chloroethane-d5	104		71 - 131
1,1-Dichloroethene-d2	79		55 - 104
2-Butanone-d5	102		49 - 155
Chloroform-d	98		78 - 121
1,2-Dichloroethane-d4	100		78 - 129
Benzene-d6	104		77 - 124
1,2-Dichloropropane-d6	96		79 - 124
Toluene-d8	105		77 - 121
trans-1,3-Dichloropropene-d4	101		73 - 121
2-Hexanone-d5	102		28 - 135
1,1,2,2-Tetrachloroethane-d2	99		73 - 125
1,2-Dichlorobenzene-d4	98		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Date Sampled: 01/20/2011 1800

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif08.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1109		Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1109			

Tentatively Identified Compounds**Number TIC's Found: 7**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
420-56-4	Trimethylsilyl fluoride	1.75	24	J N
	Unknown alkane	3.45	0.54	B J
	Unknown	4.15	2.9	J
	Unknown	6.92	3.0	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.69	B J N
	Unknown siloxane derivative	10.69	0.68	B J
	Unknown alkane	11.57	7.6	J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	200	J

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Date Sampled: 01/20/2011 1800

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif15.d
Dilution:	7.1		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1405	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1405			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	3.6	U	3.6
Chloromethane	3.6	U	3.6
Vinyl chloride	3.6	U	3.6
Bromomethane	3.6	U	3.6
Chloroethane	3.6	U	3.6
Trichlorofluoromethane	3.6	U	3.6
1,1-Dichloroethene	3.6	U	3.6
1,1,2-Trichloro-1,2,2-trifluoroethane	3.6	U	3.6
Acetone	11	J D	36
Carbon disulfide	3.6	U	3.6
Methyl acetate	3.6	U	3.6
Methylene chloride	3.6	U	3.6
trans-1,2-Dichloroethene	3.6	U	3.6
Methyl tert-butyl ether	1.5	J D B	3.6
1,1-Dichloroethane	3.6	U	3.6
cis-1,2-Dichloroethene	3.6	U	3.6
2-Butanone	36	U	36
Bromochloromethane	3.6	U	3.6
Chloroform	3.6	U	3.6
1,1,1-Trichloroethane	3.6	U	3.6
Cyclohexane	3.6	U	3.6
Carbon tetrachloride	3.6	U	3.6
Benzene	3.6	U	3.6
1,2-Dichloroethane	3.6	U	3.6
Trichloroethene	100	D	3.6
Methylcyclohexane	3.6	U	3.6
1,2-Dichloropropane	3.6	U	3.6
Bromodichloromethane	3.6	U	3.6
cis-1,3-Dichloropropene	3.6	U	3.6
4-Methyl-2-pentanone	36	U	36
Toluene	3.6	U	3.6
trans-1,3-Dichloropropene	3.6	U	3.6
1,1,2-Trichloroethane	3.6	U	3.6
Tetrachloroethene	1.3	J D	3.6
2-Hexanone	36	U	36
Dibromochloromethane	3.6	U	3.6
1,2-Dibromoethane	3.6	U	3.6
Chlorobenzene	3.6	U	3.6
Ethylbenzene	3.6	U	3.6
o-Xylene	3.6	U	3.6
m,p-Xylene	3.6	U	3.6
Styrene	3.6	U	3.6
Bromoform	3.6	U	3.6
Isopropylbenzene	3.6	U	3.6
1,1,2,2-Tetrachloroethane	3.6	U	3.6
1,3-Dichlorobenzene	3.6	U	3.6

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Date Sampled: 01/20/2011 1800

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif15.d
Dilution:	7.1		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1405	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1405			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	3.6	U	3.6
1,2-Dichlorobenzene	3.6	U	3.6
1,2-Dibromo-3-chloropropane	3.6	U	3.6
1,2,4-Trichlorobenzene	3.6	U	3.6
1,2,3-Trichlorobenzene	3.6	U	3.6

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	109		65 - 131
Chloroethane-d5	106		71 - 131
1,1-Dichloroethene-d2	80		55 - 104
2-Butanone-d5	94		49 - 155
Chloroform-d	103		78 - 121
1,2-Dichloroethane-d4	98		78 - 129
Benzene-d6	107		77 - 124
1,2-Dichloropropane-d6	100		79 - 124
Toluene-d8	108		77 - 121
trans-1,3-Dichloropropene-d4	105		73 - 121
2-Hexanone-d5	96		28 - 135
1,1,2,2-Tetrachloroethane-d2	93		73 - 125
1,2-Dichlorobenzene-d4	102		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Date Sampled: 01/20/2011 1800

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif15.d
Dilution:	7.1		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1405	Run Type: DL	Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1405			

Tentatively Identified Compounds**Number TIC's Found: 5**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
420-56-4	Trimethylsilyl fluoride	1.74	8.8	D J N
	Unknown alkane	3.45	3.9	B D J
	Unknown	6.92	22	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.87	4.4	B D J N
	Unknown alkane	11.57	6.8	D J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	270	J D

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-3

Lab Sample ID: 200-3445-4

Date Sampled: 01/20/2011 1315

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcm20.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2320		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2320			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	9.3	B	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	1.3	B	0.50
1,1-Dichloroethane	0.14	J	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.30	J	0.50
1,1,1-Trichloroethane	0.13	J	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.040	J	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.068	J B	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.094	J B	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	1.8		0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-3

Lab Sample ID: 200-3445-4

Date Sampled: 01/20/2011 1315

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim20.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2320		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2320			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	108		65 - 131
Chloroethane-d5	117		71 - 131
1,1-Dichloroethene-d2	86		55 - 104
2-Butanone-d5	97		49 - 155
Chloroform-d	106		78 - 121
1,2-Dichloroethane-d4	105		78 - 129
Benzene-d6	110		77 - 124
1,2-Dichloropropane-d6	98		79 - 124
Toluene-d8	110		77 - 121
trans-1,3-Dichloropropene-d4	104		73 - 121
2-Hexanone-d5	105		28 - 135
1,1,2,2-Tetrachloroethane-d2	104		73 - 125
1,2-Dichlorobenzene-d4	111		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-3

Lab Sample ID: 200-3445-4

Date Sampled: 01/20/2011 1315

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim20.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2320		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2320			

Tentatively Identified Compounds**Number TIC's Found: 6**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
420-56-4	Trimethylsilyl fluoride	1.75	1.8	J N
	Unknown	6.92	3.0	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.87	0.63	B J N
	Unknown siloxane derivative	10.69	0.65	B J
	Unknown	11.57	6.5	J
591-17-3	Benzene, 1-bromo-3-methyl-	12.31	1.6	J N

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes		

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-4

Lab Sample ID: 200-3445-5

Date Sampled: 01/20/2011 1130

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcm21.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2345		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2345			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.15	J	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	7.7	B	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	2.3	B	0.50
1,1-Dichloroethane	0.24	J	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.48	J	0.50
1,1,1-Trichloroethane	0.24	J	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.032	J	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.072	J B	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.076	J B	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-4

Lab Sample ID: 200-3445-5

Date Sampled: 01/20/2011 1130

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim21.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2345		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2345			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	110		65 - 131
Chloroethane-d5	113		71 - 131
1,1-Dichloroethene-d2	87		55 - 104
2-Butanone-d5	100		49 - 155
Chloroform-d	109		78 - 121
1,2-Dichloroethane-d4	106		78 - 129
Benzene-d6	110		77 - 124
1,2-Dichloropropane-d6	98		79 - 124
Toluene-d8	111		77 - 121
trans-1,3-Dichloropropene-d4	103		73 - 121
2-Hexanone-d5	111		28 - 135
1,1,2,2-Tetrachloroethane-d2	100		73 - 125
1,2-Dichlorobenzene-d4	113		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-4

Lab Sample ID: 200-3445-5

Date Sampled: 01/20/2011 1130

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim21.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/28/2011 2345		Final Weight/Volume:	25 mL
Date Prepared:	01/28/2011 2345			

Tentatively Identified Compounds **Number TIC's Found: 6**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
420-56-4	Trimethylsilyl fluoride	1.75	2.9	J N
	Unknown alkane	3.45	0.53	B J
	Unknown	6.92	3.1	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.55	B J N
	Unknown siloxane derivative	10.69	0.55	B J
	Unknown	11.57	8.9	J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	13	J

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-6

Lab Sample ID: 200-3445-6

Date Sampled: 01/20/2011 1200

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcm22.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/29/2011 0010		Final Weight/Volume:	25 mL
Date Prepared:	01/29/2011 0010			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	6.3	B	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	2.4	B	0.50
1,1-Dichloroethane	0.25	J	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	0.67	J	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.48	J	0.50
1,1,1-Trichloroethane	0.26	J	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.031	J	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-6

Lab Sample ID: 200-3445-6

Date Sampled: 01/20/2011 1200

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim22.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/29/2011 0010		Final Weight/Volume:	25 mL
Date Prepared:	01/29/2011 0010			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	111		65 - 131
Chloroethane-d5	114		71 - 131
1,1-Dichloroethene-d2	89		55 - 104
2-Butanone-d5	97		49 - 155
Chloroform-d	114		78 - 121
1,2-Dichloroethane-d4	112		78 - 129
Benzene-d6	111		77 - 124
1,2-Dichloropropane-d6	103		79 - 124
Toluene-d8	113		77 - 121
trans-1,3-Dichloropropene-d4	103		73 - 121
2-Hexanone-d5	104		28 - 135
1,1,2,2-Tetrachloroethane-d2	104		73 - 125
1,2-Dichlorobenzene-d4	107		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-6

Lab Sample ID: 200-3445-6

Date Sampled: 01/20/2011 1200

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcm22.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/29/2011 0010		Final Weight/Volume:	25 mL
Date Prepared:	01/29/2011 0010			

Tentatively Identified Compounds **Number TIC's Found: 5**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
420-56-4	Trimethylsilyl fluoride	1.75	9.9	J N
	Unknown alkane	3.45	0.51	B J
	Unknown	6.92	3.0	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.87	0.52	B J N
	Unknown	11.57	8.9	J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	13	J

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: FB 01202011

Lab Sample ID: 200-3445-7

Date Sampled: 01/20/2011 1600

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif13.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1314		Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1314			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	2.9	J	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.044	J B	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.50	U	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: FB 01202011

Lab Sample ID: 200-3445-7

Date Sampled: 01/20/2011 1600

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif13.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1314		Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1314			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	105		65 - 131
Chloroethane-d5	107		71 - 131
1,1-Dichloroethene-d2	81		55 - 104
2-Butanone-d5	94		49 - 155
Chloroform-d	99		78 - 121
1,2-Dichloroethane-d4	101		78 - 129
Benzene-d6	106		77 - 124
1,2-Dichloropropane-d6	96		79 - 124
Toluene-d8	107		77 - 121
trans-1,3-Dichloropropene-d4	100		73 - 121
2-Hexanone-d5	101		28 - 135
1,1,2,2-Tetrachloroethane-d2	94		73 - 125
1,2-Dichlorobenzene-d4	106		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: FB 01202011

Lab Sample ID: 200-3445-7

Date Sampled: 01/20/2011 1600

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method: SOM01.2/VOA_Tr
Preparation: SOM01.2/VOA_PR
Dilution: 1.0
Date Analyzed: 01/24/2011 1314
Date Prepared: 01/24/2011 1314

Analysis Batch: 200-12583

Instrument ID: J.i
Lab File ID: jcif13.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Tentatively Identified Compounds**Number TIC's Found: 2**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown alkane	3.45	0.55	B J
	Unknown	6.92	3.0	B X J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	14	J

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 200-3445-8

Date Sampled: 01/20/2011 0000

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif14.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1339		Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1339			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	1.3	J	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.50	U	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.50	U	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 200-3445-8

Date Sampled: 01/20/2011 0000

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif14.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1339		Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1339			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	109		65 - 131
Chloroethane-d5	106		71 - 131
1,1-Dichloroethene-d2	84		55 - 104
2-Butanone-d5	95		49 - 155
Chloroform-d	101		78 - 121
1,2-Dichloroethane-d4	97		78 - 129
Benzene-d6	107		77 - 124
1,2-Dichloropropane-d6	98		79 - 124
Toluene-d8	110		77 - 121
trans-1,3-Dichloropropene-d4	103		73 - 121
2-Hexanone-d5	96		28 - 135
1,1,2,2-Tetrachloroethane-d2	97		73 - 125
1,2-Dichlorobenzene-d4	107		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 200-3445-8

Date Sampled: 01/20/2011 0000

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12583	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcif14.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/24/2011 1339		Final Weight/Volume:	25 mL
Date Prepared:	01/24/2011 1339			

Tentatively Identified Compounds**Number TIC's Found: 4**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown alkane	3.45	0.53	B J
	Unknown	6.92	2.9	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.60	B J N
	Unknown siloxane derivative	10.69	0.58	B J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	13	J

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: VHBLK01

Lab Sample ID: 200-3445-9STOBLK

Date Sampled: 01/22/2011 0930

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim24.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/29/2011 0100		Final Weight/Volume:	25 mL
Date Prepared:	01/29/2011 0100			

Analyte	Result (ug/L)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	5.0	U	5.0
Carbon disulfide	0.50	U	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.50	U	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.50	U	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: VHBLK01

Lab Sample ID: 200-3445-9STOBLK

Date Sampled: 01/22/2011 0930

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim24.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/29/2011 0100		Final Weight/Volume:	25 mL
Date Prepared:	01/29/2011 0100			

Analyte	Result (ug/L)	Qualifier	RL
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Vinyl chloride-d3	112		65 - 131
Chloroethane-d5	116		71 - 131
1,1-Dichloroethene-d2	88		55 - 104
2-Butanone-d5	90		49 - 155
Chloroform-d	110		78 - 121
1,2-Dichloroethane-d4	103		78 - 129
Benzene-d6	110		77 - 124
1,2-Dichloropropane-d6	96		79 - 124
Toluene-d8	111		77 - 121
trans-1,3-Dichloropropene-d4	103		73 - 121
2-Hexanone-d5	97		28 - 135
1,1,2,2-Tetrachloroethane-d2	98		73 - 125
1,2-Dichlorobenzene-d4	113		80 - 131

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: VHBLK01

Lab Sample ID: 200-3445-9STOBLK

Date Sampled: 01/22/2011 0930

Client Matrix: Water

Date Received: 01/22/2011 0850

SOM01.2/VOA_Tr Trace Water

Method:	SOM01.2/VOA_Tr	Analysis Batch: 200-12879	Instrument ID:	J.i
Preparation:	SOM01.2/VOA_PR		Lab File ID:	jcim24.d
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	01/29/2011 0100		Final Weight/Volume:	25 mL
Date Prepared:	01/29/2011 0100			

Tentatively Identified Compounds**Number TIC's Found: 4**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown alkane	3.45	0.51	B J
	Unknown	6.92	3.0	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.61	B J N
	Unknown siloxane derivative	10.69	0.52	B J

Targeted Tentatively Identified Compounds

Cas Number	Analyte	Est. Result (ug/L)	Qualifier
	Total Alkanes	13	J

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-5

Lab Sample ID: 200-3445-1

Client Matrix: Water

Date Sampled: 01/19/2011 1400

Date Received: 01/22/2011 0850

ISM01.2/HG ISM01.2 Mercury

Method:	ISM01.2/HG	Analysis Batch: 200-12682	Instrument ID:	MEPCV3
Preparation:	ISM01.2/HG	Prep Batch: 200-12607	Lab File ID:	012611A.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	01/26/2011 1211		Final Weight/Volume:	50 mL
Date Prepared:	01/25/2011 1100			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.16	J	0.015	0.20

ISM01.2/ICP ISM01.2 Metals (ICP)

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1715		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	2010		40.0	200
Antimony	4.1	J	2.6	60.0
Arsenic	10.0	U	2.9	10.0
Barium	41.4	J	13.0	200
Beryllium	5.0	U	0.88	5.0
Cadmium	5.0	U	0.63	5.0
Calcium	18400		430	5000
Chromium	157		0.49	10.0
Cobalt	50.0	U	1.1	50.0
Copper	25.0	U	2.9	25.0
Iron	252		15.0	100
Lead	10.0	U	2.3	10.0
Magnesium	11200		240	5000
Nickel	18.7	J	1.2	40.0
Potassium	20400		150	5000
Selenium	35.0	U	4.5	35.0
Silver	10.0	U	1.6	10.0
Sodium	26800		100	5000
Thallium	25.0	U	3.0	25.0
Vanadium	50.0	U	2.4	50.0
Zinc	8.8	J	1.4	60.0

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	100		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1805		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	14200		71.0	1500

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-1

Lab Sample ID: 200-3445-2

Date Sampled: 01/20/2011 1530

Client Matrix: Water

Date Received: 01/22/2011 0850

ISM01.2/HG ISM01.2 Mercury

Method:	ISM01.2/HG	Analysis Batch: 200-12682	Instrument ID:	MEPCV3
Preparation:	ISM01.2/HG	Prep Batch: 200-12607	Lab File ID:	012611A.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	01/26/2011 1213		Final Weight/Volume:	50 mL
Date Prepared:	01/25/2011 1100			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.56		0.015	0.20

ISM01.2/ICP ISM01.2 Metals (ICP)

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1725		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	3560		40.0	200
Antimony	5.6	J	2.6	60.0
Arsenic	10.0	U	2.9	10.0
Barium	54.5	J	13.0	200
Beryllium	5.0	U	0.88	5.0
Cadmium	0.77	J	0.63	5.0
Calcium	20500		430	5000
Chromium	141		0.49	10.0
Cobalt	50.0	U	1.1	50.0
Copper	3.2	J	2.9	25.0
Iron	267		15.0	100
Lead	10.0	U	2.3	10.0
Magnesium	9370		240	5000
Nickel	88.5		1.2	40.0
Potassium	14100		150	5000
Selenium	35.0	U	4.5	35.0
Silver	10.0	U	1.6	10.0
Sodium	27100		100	5000
Thallium	25.0	U	3.0	25.0
Vanadium	50.0	U	2.4	50.0
Zinc	30.2	J	1.4	60.0

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	10		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1815		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	2670		7.1	150

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Date Sampled: 01/20/2011 1800

Client Matrix: Water

Date Received: 01/22/2011 0850

ISM01.2/HG ISM01.2 Mercury

Method:	ISM01.2/HG	Analysis Batch: 200-12682	Instrument ID:	MEPCV3
Preparation:	ISM01.2/HG	Prep Batch: 200-12607	Lab File ID:	012611A.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	01/26/2011 1215		Final Weight/Volume:	50 mL
Date Prepared:	01/25/2011 1100			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.20	U	0.015	0.20

ISM01.2/ICP ISM01.2 Metals (ICP)

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1731		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	3640		40.0	200
Antimony	60.0	U	2.6	60.0
Arsenic	3.7	J	2.9	10.0
Barium	24.5	J	13.0	200
Beryllium	5.0	U	0.88	5.0
Cadmium	5.0	U	0.63	5.0
Calcium	12700		430	5000
Chromium	22.6		0.49	10.0
Cobalt	50.0	U	1.1	50.0
Copper	8.9	J	2.9	25.0
Iron	521		15.0	100
Lead	3.2	J	2.3	10.0
Magnesium	3060	J	240	5000
Nickel	133		1.2	40.0
Potassium	18300		150	5000
Selenium	35.0	U	4.5	35.0
Silver	10.0	U	1.6	10.0
Sodium	19800		100	5000
Thallium	25.0	U	3.0	25.0
Vanadium	6.5	J	2.4	50.0
Zinc	20.9	J	1.4	60.0

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	10		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1820		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	750		7.1	150

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-3

Lab Sample ID: 200-3445-4

Date Sampled: 01/20/2011 1315

Client Matrix: Water

Date Received: 01/22/2011 0850

ISM01.2/HG ISM01.2 Mercury

Method:	ISM01.2/HG	Analysis Batch: 200-12682	Instrument ID:	MEPCV3
Preparation:	ISM01.2/HG	Prep Batch: 200-12607	Lab File ID:	012611A.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	01/26/2011 1217		Final Weight/Volume:	50 mL
Date Prepared:	01/25/2011 1100			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.20	J	0.015	0.20

ISM01.2/ICP ISM01.2 Metals (ICP)

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1735		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	1330		40.0	200
Antimony	60.0	U	2.6	60.0
Arsenic	10.0	U	2.9	10.0
Barium	90.8	J	13.0	200
Beryllium	5.0	U	0.88	5.0
Cadmium	5.0	U	0.63	5.0
Calcium	13100		430	5000
Chromium	90.4		0.49	10.0
Cobalt	-1.78041-005		1.1	50.0
Copper	25.0	U	2.9	25.0
Iron	179		15.0	100
Lead	10.0	U	2.3	10.0
Magnesium	6270		240	5000
Nickel	95.4		1.2	40.0
Potassium	17300		150	5000
Selenium	35.0	U	4.5	35.0
Silver	10.0	U	1.6	10.0
Sodium	16700		100	5000
Thallium	25.0	U	3.0	25.0
Vanadium	50.0	U	2.4	50.0
Zinc	59.8	J	1.4	60.0

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	50		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1825		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	10200		35.5	750

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-4

Lab Sample ID: 200-3445-5

Date Sampled: 01/20/2011 1130

Client Matrix: Water

Date Received: 01/22/2011 0850

ISM01.2/HG ISM01.2 Mercury

Method:	ISM01.2/HG	Analysis Batch: 200-12682	Instrument ID:	MEPCV3
Preparation:	ISM01.2/HG	Prep Batch: 200-12607	Lab File ID:	012611A.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	01/26/2011 1219		Final Weight/Volume:	50 mL
Date Prepared:	01/25/2011 1100			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.091	J	0.015	0.20

ISM01.2/ICP ISM01.2 Metals (ICP)

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1741		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	2400		40.0	200
Antimony	3.5	J	2.6	60.0
Arsenic	10.0	U	2.9	10.0
Barium	66.9	J	13.0	200
Beryllium	5.0	U	0.88	5.0
Cadmium	5.0	U	0.63	5.0
Calcium	20100		430	5000
Chromium	135		0.49	10.0
Cobalt	50.0	U	1.1	50.0
Copper	25.0	U	2.9	25.0
Iron	26.4	J	15.0	100
Lead	10.0	U	2.3	10.0
Magnesium	8810		240	5000
Nickel	18.9	J	1.2	40.0
Potassium	22600		150	5000
Selenium	35.0	U	4.5	35.0
Silver	10.0	U	1.6	10.0
Sodium	25300		100	5000
Thallium	25.0	U	3.0	25.0
Vanadium	50.0	U	2.4	50.0
Zinc	32.1	J	1.4	60.0

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	100		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1830		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	15300		71.0	1500

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: MW-6

Lab Sample ID: 200-3445-6

Date Sampled: 01/20/2011 1200

Client Matrix: Water

Date Received: 01/22/2011 0850

ISM01.2/HG ISM01.2 Mercury

Method:	ISM01.2/HG	Analysis Batch: 200-12682	Instrument ID:	MEPCV3
Preparation:	ISM01.2/HG	Prep Batch: 200-12607	Lab File ID:	012611A.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	01/26/2011 1221		Final Weight/Volume:	50 mL
Date Prepared:	01/25/2011 1100			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.11	J	0.015	0.20

ISM01.2/ICP ISM01.2 Metals (ICP)

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1746		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	2410		40.0	200
Antimony	60.0	U	2.6	60.0
Arsenic	10.0	U	2.9	10.0
Barium	70.5	J	13.0	200
Beryllium	5.0	U	0.88	5.0
Cadmium	5.0	U	0.63	5.0
Calcium	20700		430	5000
Chromium	138		0.49	10.0
Cobalt	50.0	U	1.1	50.0
Copper	25.0	U	2.9	25.0
Iron	24.3	J	15.0	100
Lead	10.0	U	2.3	10.0
Magnesium	8950		240	5000
Nickel	19.9	J	1.2	40.0
Potassium	23000		150	5000
Selenium	35.0	U	4.5	35.0
Silver	10.0	U	1.6	10.0
Sodium	25900		100	5000
Thallium	25.0	U	3.0	25.0
Vanadium	50.0	U	2.4	50.0
Zinc	7.8	J	1.4	60.0

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	100		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1835		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Manganese	15900		71.0	1500

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Client Sample ID: FB 01202011

Lab Sample ID: 200-3445-7

Date Sampled: 01/20/2011 1600

Client Matrix: Water

Date Received: 01/22/2011 0850

ISM01.2/HG ISM01.2 Mercury

Method:	ISM01.2/HG	Analysis Batch: 200-12682	Instrument ID:	MEPCV3
Preparation:	ISM01.2/HG	Prep Batch: 200-12607	Lab File ID:	012611A.PRN
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	01/26/2011 1223		Final Weight/Volume:	50 mL
Date Prepared:	01/25/2011 1100			

Analyte	Result (ug/L)	Qualifier	MDLE	RL
Mercury	0.026	J	0.015	0.20

ISM01.2/ICP ISM01.2 Metals (ICP)

Method:	ISM01.2/ICP	Analysis Batch: 200-12644	Instrument ID:	METICP7
Preparation:	ISM01.2/ICP	Prep Batch: 200-12588	Lab File ID:	012511-02.ttx
Dilution:	1.0		Initial Weight/Volume:	100 mL
Date Analyzed:	01/25/2011 1751		Final Weight/Volume:	100 mL
Date Prepared:	01/25/2011 0820			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	40.0	200
Antimony	60.0	U	2.6	60.0
Arsenic	10.0	U	2.9	10.0
Barium	200	U	13.0	200
Beryllium	5.0	U	0.88	5.0
Cadmium	5.0	U	0.63	5.0
Calcium	5000	U	430	5000
Chromium	10.0	U	0.49	10.0
Cobalt	50.0	U	1.1	50.0
Copper	10.2	J	2.9	25.0
Iron	100	U	15.0	100
Lead	10.0	U	2.3	10.0
Magnesium	5000	U	240	5000
Manganese	3.7	J	0.71	15.0
Nickel	40.0	U	1.2	40.0
Potassium	5000	U	150	5000
Selenium	35.0	U	4.5	35.0
Silver	10.0	U	1.6	10.0
Sodium	5000	U	100	5000
Thallium	25.0	U	3.0	25.0
Vanadium	50.0	U	2.4	50.0
Zinc	60.0	U	1.4	60.0

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

General Chemistry**Client Sample ID: MW-5**

Lab Sample ID: 200-3445-1

Date Sampled: 01/19/2011 1400

Client Matrix: Water

Date Received: 01/22/2011 0850

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	27.8		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0005					
Sulfate	29.0		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0005					
Total Organic Carbon	100	U	mg/L	50.0	100	100	SM 5310B
	Analysis Batch: 680-192655	Date Analyzed: 01/26/2011 1330					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	37.3		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-192534	Date Analyzed: 01/26/2011 0908					
Total Dissolved Solids	1100		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-192695	Date Analyzed: 01/27/2011 1438					
Total Suspended Solids	5.5		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-192494	Date Analyzed: 01/26/2011 0751					

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

General Chemistry**Client Sample ID:** MW-1

Lab Sample ID: 200-3445-2

Date Sampled: 01/20/2011 1530

Client Matrix: Water

Date Received: 01/22/2011 0850

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	26.7		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0019					
Sulfate	29.2		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0019					
Total Organic Carbon	100	U	mg/L	50.0	100	100	SM 5310B
	Analysis Batch: 680-192655	Date Analyzed: 01/26/2011 1345					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	43.2		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-192534	Date Analyzed: 01/26/2011 0913					
Total Dissolved Solids	267		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-192695	Date Analyzed: 01/27/2011 1438					
Total Suspended Solids	7.5		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-192494	Date Analyzed: 01/26/2011 0752					

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

General Chemistry**Client Sample ID: MW-2**

Lab Sample ID: 200-3445-3

Date Sampled: 01/20/2011 1800

Client Matrix: Water

Date Received: 01/22/2011 0850

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	16.3		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0034					
Sulfate	16.4		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0034					
Total Organic Carbon	1.7		mg/L	0.50	1.0	1.0	SM 5310B
	Analysis Batch: 680-192655	Date Analyzed: 01/26/2011 1359					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	37.8		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-192534	Date Analyzed: 01/26/2011 0919					
Total Dissolved Solids	213		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-192695	Date Analyzed: 01/27/2011 1438					
Total Suspended Solids	28.5		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-192494	Date Analyzed: 01/26/2011 0753					

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

General Chemistry**Client Sample ID: MW-3**

Lab Sample ID: 200-3445-4

Date Sampled: 01/20/2011 1315

Client Matrix: Water

Date Received: 01/22/2011 0850

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	15.4		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0103					
Sulfate	16.5		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0103					
Total Organic Carbon	100	U	mg/L	50.0	100	100	SM 5310B
	Analysis Batch: 680-192655	Date Analyzed: 01/26/2011 1416					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	30.7		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-192534	Date Analyzed: 01/26/2011 0924					
Total Dissolved Solids	275		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-192695	Date Analyzed: 01/27/2011 1438					
Total Suspended Solids	14.5		mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-192494	Date Analyzed: 01/26/2011 0754					

Analytical Data

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

General Chemistry**Client Sample ID: MW-4**

Lab Sample ID: 200-3445-5

Date Sampled: 01/20/2011 1130

Client Matrix: Water

Date Received: 01/22/2011 0850

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	26.0		mg/L	1.0	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0117					
Sulfate	27.7		mg/L	2.6	5.0	5.0	300.0
	Analysis Batch: 680-192613	Date Analyzed: 01/27/2011 0117					
Total Organic Carbon	100	U	mg/L	50.0	100	100	SM 5310B
	Analysis Batch: 680-192655	Date Analyzed: 01/26/2011 1430					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	39.0		mg/L	5.0	5.0	1.0	SM 2320B
	Analysis Batch: 680-192534	Date Analyzed: 01/26/2011 0929					
Total Dissolved Solids	341		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 680-192695	Date Analyzed: 01/27/2011 1438					
Total Suspended Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540D
	Analysis Batch: 680-192494	Date Analyzed: 01/26/2011 0755					

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Surrogate Recovery Report

SOM01.2/VOA Tr Trace Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	VCL %Rec	CLA %Rec	DCE %Rec	BUT %Rec	CLF %Rec	DCA %Rec	BEN %Rec	DPA %Rec
200-3445-1	MW-5	110	115	85	97	108	105	111	104
200-3445-2	MW-1	111	121	88	100	112	108	115	102
200-3445-3	MW-2	107	104	79	102	98	100	104	96
200-3445-3 DL	MW-2 DL	109	106	80	94	103	98	107	100
200-3445-4	MW-3	108	117	86	97	106	105	110	98
200-3445-5	MW-4	110	113	87	100	109	106	110	98
200-3445-6	MW-6	111	114	89	97	114	112	111	103
200-3445-7	FB 01202011	105	107	81	94	99	101	106	96
200-3445-8	TRIP BLANK	109	106	84	95	101	97	107	98
200-3445-9	VHBLK01	112	116	88	90	110	103	110	96
MB 200-12583/5		105	111	81	101	104	105	109	99
MB 200-12879/4		107	109	86	88	104	107	107	97

Surrogate	Acceptance Limits
VCL = Vinyl chloride-d3	65-131
CLA = Chloroethane-d5	71-131
DCE = 1,1-Dichloroethene-d2	55-104
BUT = 2-Butanone-d5	49-155
CLF = Chloroform-d	78-121
DCA = 1,2-Dichloroethane-d4	78-129
BEN = Benzene-d6	77-124
DPA = 1,2-Dichloropropane-d6	79-124

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Surrogate Recovery Report

SOM01.2/VOA Tr Trace Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TOL %Rec	TDP %Rec	HEX %Rec	TCA %Rec	DCZ %Rec
200-3445-1	MW-5	111	105	107	108	104
200-3445-2	MW-1	113	112	108	109	110
200-3445-3	MW-2	105	101	102	99	98
200-3445-3 DL	MW-2 DL	108	105	96	93	102
200-3445-4	MW-3	110	104	105	104	111
200-3445-5	MW-4	111	103	111	100	113
200-3445-6	MW-6	113	103	104	104	107
200-3445-7	FB 01202011	107	100	101	94	106
200-3445-8	TRIP BLANK	110	103	96	97	107
200-3445-9	VHBLK01	111	103	97	98	113
MB 200-12583/5		112	108	105	95	102
MB 200-12879/4		110	107	95	96	113

Surrogate	Acceptance Limits
TOL = Toluene-d8	77-121
TDP = trans-1,3-Dichloropropene-d4	73-121
HEX = 2-Hexanone-d5	28-135
TCA = 1,1,2,2-Tetrachloroethane-d2	73-125
DCZ = 1,2-Dichlorobenzene-d4	80-131

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 200-12583

Method: SOM01.2/VOA_Tr

Preparation: SOM01.2/VOA_PR

Lab Sample ID: MB 200-12583/5

Analysis Batch: 200-12583

Instrument ID: J.i

Client Matrix: Water

Prep Batch: N/A

Lab File ID: jcif05.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 25 mL

Date Analyzed: 01/24/2011 0939

Final Weight/Volume: 25 mL

Date Prepared: 01/24/2011 0939

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	5.0	U	5.0
Carbon disulfide	0.095	J	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.068	J	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.050	J	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.50	U	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.50	U	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 200-12583

Method: SOM01.2/VOA_Tr

Preparation: SOM01.2/VOA_PR

Lab Sample ID: MB 200-12583/5

Analysis Batch: 200-12583

Instrument ID: J.i

Client Matrix: Water

Prep Batch: N/A

Lab File ID: jcif05.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 25 mL

Date Analyzed: 01/24/2011 0939

Final Weight/Volume: 25 mL

Date Prepared: 01/24/2011 0939

Analyte	Result	Qual	RL
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	% Rec	Acceptance Limits
Vinyl chloride-d3	105	65 - 131
Chloroethane-d5	111	71 - 131
1,1-Dichloroethene-d2	81	55 - 104
2-Butanone-d5	101	49 - 155
Chloroform-d	104	78 - 121
1,2-Dichloroethane-d4	105	78 - 129
Benzene-d6	109	77 - 124
1,2-Dichloropropane-d6	99	79 - 124
Toluene-d8	112	77 - 121
trans-1,3-Dichloropropene-d4	108	73 - 121
2-Hexanone-d5	105	28 - 135
1,1,2,2-Tetrachloroethane-d2	95	73 - 125
1,2-Dichlorobenzene-d4	102	80 - 131

Method Blank TICs- Batch: 200-12583

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown alkane	3.45	0.55	J
	Unknown	6.92	3.2	X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.65	J N
	Unknown siloxane derivative	10.69	0.63	J

Method Blank TICs- Batch: 200-12583

Cas Number	Analyte	RT	Est. Result	Qual
	Total Alkanes	0.00	14	J

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 200-12879

Method: SOM01.2/VOA_Tr

Preparation: SOM01.2/VOA_PR

Lab Sample ID: MB 200-12879/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/28/2011 1630
Date Prepared: 01/28/2011 1630

Analysis Batch: 200-12879
Prep Batch: N/A
Units: ug/L

Instrument ID: J.i
Lab File ID: jcim04.d
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
Chloromethane	0.50	U	0.50
Vinyl chloride	0.50	U	0.50
Bromomethane	0.50	U	0.50
Chloroethane	0.50	U	0.50
Trichlorofluoromethane	0.50	U	0.50
1,1-Dichloroethene	0.50	U	0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50
Acetone	1.5	J	5.0
Carbon disulfide	0.10	J	0.50
Methyl acetate	0.50	U	0.50
Methylene chloride	0.50	U	0.50
trans-1,2-Dichloroethene	0.50	U	0.50
Methyl tert-butyl ether	0.079	J	0.50
1,1-Dichloroethane	0.50	U	0.50
cis-1,2-Dichloroethene	0.50	U	0.50
2-Butanone	5.0	U	5.0
Bromochloromethane	0.50	U	0.50
Chloroform	0.50	U	0.50
1,1,1-Trichloroethane	0.50	U	0.50
Cyclohexane	0.50	U	0.50
Carbon tetrachloride	0.50	U	0.50
Benzene	0.50	U	0.50
1,2-Dichloroethane	0.50	U	0.50
Trichloroethene	0.12	J	0.50
Methylcyclohexane	0.50	U	0.50
1,2-Dichloropropane	0.50	U	0.50
Bromodichloromethane	0.50	U	0.50
cis-1,3-Dichloropropene	0.50	U	0.50
4-Methyl-2-pentanone	5.0	U	5.0
Toluene	0.50	U	0.50
trans-1,3-Dichloropropene	0.50	U	0.50
1,1,2-Trichloroethane	0.50	U	0.50
Tetrachloroethene	0.053	J	0.50
2-Hexanone	5.0	U	5.0
Dibromochloromethane	0.50	U	0.50
1,2-Dibromoethane	0.50	U	0.50
Chlorobenzene	0.50	U	0.50
Ethylbenzene	0.50	U	0.50
o-Xylene	0.50	U	0.50
m,p-Xylene	0.50	U	0.50
Styrene	0.50	U	0.50
Bromoform	0.50	U	0.50

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 200-12879

Method: SOM01.2/VOA_Tr

Preparation: SOM01.2/VOA_PR

Lab Sample ID: MB 200-12879/4

Analysis Batch: 200-12879

Instrument ID: J.i

Client Matrix: Water

Prep Batch: N/A

Lab File ID: jcim04.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 25 mL

Date Analyzed: 01/28/2011 1630

Final Weight/Volume: 25 mL

Date Prepared: 01/28/2011 1630

Analyte	Result	Qual	RL
Isopropylbenzene	0.50	U	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.50
1,3-Dichlorobenzene	0.50	U	0.50
1,4-Dichlorobenzene	0.50	U	0.50
1,2-Dichlorobenzene	0.50	U	0.50
1,2-Dibromo-3-chloropropane	0.50	U	0.50
1,2,4-Trichlorobenzene	0.50	U	0.50
1,2,3-Trichlorobenzene	0.50	U	0.50

Surrogate	% Rec	Acceptance Limits
Vinyl chloride-d3	107	65 - 131
Chloroethane-d5	109	71 - 131
1,1-Dichloroethene-d2	86	55 - 104
2-Butanone-d5	88	49 - 155
Chloroform-d	104	78 - 121
1,2-Dichloroethane-d4	107	78 - 129
Benzene-d6	107	77 - 124
1,2-Dichloropropane-d6	97	79 - 124
Toluene-d8	110	77 - 121
trans-1,3-Dichloropropene-d4	107	73 - 121
2-Hexanone-d5	95	28 - 135
1,1,2,2-Tetrachloroethane-d2	96	73 - 125
1,2-Dichlorobenzene-d4	113	80 - 131

Method Blank TICs- Batch: 200-12879

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown alkane	3.45	0.53	J
	Unknown	6.92	3.1	X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	1.1	J N
	Unknown siloxane derivative	10.69	1.1	J

Method Blank TICs- Batch: 200-12879

Cas Number	Analyte	RT	Est. Result	Qual
	Total Alkanes	0.00	13	J

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 200-12607

Method: ISM01.2/HG

Preparation: ISM01.2/HG

Lab Sample ID: MB 200-12607/11-A

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 01/26/2011 1209

Date Prepared: 01/25/2011 1100

Analysis Batch: 200-12682

Prep Batch: 200-12607

Units: ug/L

Instrument ID: MEPCV3

Lab File ID: 012611A.PRN

Initial Weight/Volume: 50 mL

Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDLE	RL
Mercury	-0.032	J	0.015	0.20

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 200-12588

Method: ISM01.2/ICP

Preparation: ISM01.2/ICP

Lab Sample ID: MB 200-12588/1-A

Analysis Batch: 200-12644

Instrument ID: METICP7

Client Matrix: Water

Prep Batch: 200-12588

Lab File ID: 012511-02.ttx

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 100 mL

Date Analyzed: 01/25/2011 1705

Final Weight/Volume: 100 mL

Date Prepared: 01/25/2011 0820

Analyte	Result	Qual	MDL	RL
Aluminum	-63	J	40.0	200
Antimony	3.7	J	2.6	60.0
Arsenic	10.0	U	2.9	10.0
Barium	200	U	13.0	200
Beryllium	5.0	U	0.88	5.0
Cadmium	5.0	U	0.63	5.0
Calcium	5000	U	430	5000
Chromium	10.0	U	0.49	10.0
Cobalt	50.0	U	1.1	50.0
Copper	25.0	U	2.9	25.0
Iron	100	U	15.0	100
Lead	10.0	U	2.3	10.0
Magnesium	5000	U	240	5000
Manganese	15.0	U	0.71	15.0
Nickel	40.0	U	1.2	40.0
Potassium	5000	U	150	5000
Selenium	35.0	U	4.5	35.0
Silver	10.0	U	1.6	10.0
Sodium	5000	U	100	5000
Thallium	25.0	U	3.0	25.0
Vanadium	50.0	U	2.4	50.0
Zinc	60.0	U	1.4	60.0

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Control Sample - Batch: 200-12588

Method: ISM01.2/ICP
Preparation: ISM01.2/ICP

Lab Sample ID: LCS 200-12588/2-A

Analysis Batch: 200-12644

Instrument ID: METICP7

Client Matrix: Water

Prep Batch: 200-12588

Lab File ID: 012511-02.ttx

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 100 mL

Date Analyzed: 01/25/2011 1710

Final Weight/Volume: 100 mL

Date Prepared: 01/25/2011 0820

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	400	385	96	70 - 130	
Antimony	120	124	104	70 - 130	
Arsenic	20.0	19.4	97	70 - 130	
Barium	400	391	98	70 - 130	
Beryllium	10.0	10	100	70 - 130	
Cadmium	10.0	10	100	70 - 130	
Calcium	10000	10200	102	70 - 130	
Chromium	20.0	19.6	98	70 - 130	
Cobalt	100	103	103	70 - 130	
Copper	50.0	50.6	101	70 - 130	
Iron	200	220	110	70 - 130	
Lead	20.0	19.3	96	70 - 130	
Magnesium	10000	10400	104	70 - 130	
Manganese	30.0	29.9	100	70 - 130	
Nickel	80.0	82.6	103	70 - 130	
Potassium	10000	10400	104	70 - 130	
Selenium	70.0	71.7	102	70 - 130	
Silver	20.0	20.3	102	70 - 130	
Sodium	10000	10200	102	70 - 130	
Thallium	50.0	48.7	97	70 - 130	
Vanadium	100	99.9	100	70 - 130	
Zinc	120	126	105	70 - 130	

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Serial Dilution - Batch: 200-12588

Method: ISM01.2/ICP

Preparation: ISM01.2/ICP

Lab Sample ID: 200-3445-1
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 01/25/2011 1720
Date Prepared: 01/25/2011 0820

Analysis Batch: 200-12644
Prep Batch: 200-12588
Units: ug/L

Instrument ID: METICP7
Lab File ID: 012511-02.ttx
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	2010		1960	3	10	
Antimony	4.1	J	300	100		U
Arsenic	10.0	U	50.0			U
Barium	41.4	J	91.9	122		J
Beryllium	5.0	U	25.0			U
Cadmium	5.0	U	25.0			U
Calcium	18400		18500	0		J
Chromium	157		155	1	10	
Cobalt	50.0	U	250			U
Copper	25.0	U	125			U
Iron	252		285	13		J
Lead	10.0	U	50.0			U
Magnesium	11200		11300	1		J
Nickel	18.7	J	16.5	12		J
Potassium	20400		20800	2	10	J
Selenium	35.0	U	175			U
Silver	10.0	U	50.0			U
Sodium	26800		26900	0	10	
Thallium	25.0	U	125			U
Vanadium	50.0	U	250			U
Zinc	8.8	J	11.0	25		J

Serial Dilution - Batch: 200-12588

Method: ISM01.2/ICP

Preparation: ISM01.2/ICP

Lab Sample ID: 200-3445-1
Client Matrix: Water
Dilution: 500
Date Analyzed: 01/25/2011 1810
Date Prepared: 01/25/2011 0820

Analysis Batch: 200-12644
Prep Batch: 200-12588
Units: ug/L

Instrument ID: METICP7
Lab File ID: 012511-02.ttx
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Manganese	14200		14900	5	10	

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 680-192613

Method: 300.0

Preparation: N/A

Lab Sample ID: MB 680-192613/2
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 01/26/2011 2322
Date Prepared: N/A

Analysis Batch: 680-192613
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0044.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloride	5.0	U	1.0	5.0
Sulfate	5.0	U	2.6	5.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-192613

Method: 300.0

Preparation: N/A

LCS Lab Sample ID: LCS 680-192613/3
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 01/26/2011 2336
Date Prepared: N/A

Analysis Batch: 680-192613
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0045.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL
1 uL

LCSD Lab Sample ID: LCSD 680-192613/4
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 01/26/2011 2351
Date Prepared: N/A

Analysis Batch: 680-192613
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0046.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL
1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Chloride	100	100	90 - 110	0	30		
Sulfate	101	101	90 - 110	0	30		

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-192613

Method: 300.0

Preparation: N/A

LCS Lab Sample ID: LCS 680-192613/3
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 01/26/2011 2336
Date Prepared: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 680-192613/4
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 01/26/2011 2351
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloride	50.0	50.0	49.8	49.9
Sulfate	50.0	50.0	50.7	50.6

Matrix Spike - Batch: 680-192613

Method: 300.0

Preparation: N/A

Lab Sample ID: 200-3445-3
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 01/27/2011 0048
Date Prepared: N/A

Analysis Batch: 680-192613
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0050.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL
1 uL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	16.3	50.0	67.6	103	90 - 110	
Sulfate	16.4	50.0	68.0	103	90 - 110	

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 680-192534

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 680-192534/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2011 0756
Date Prepared: N/A

Analysis Batch: 680-192534
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 012611alk.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL	RL
Alkalinity	5.0	U	5.0	5.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-192534

Method: SM 2320B

Preparation: N/A

LCS Lab Sample ID: LCS 680-192534/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2011 0806
Date Prepared: N/A

Analysis Batch: 680-192534
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 012611alk.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

LCSD Lab Sample ID: LCSD 680-192534/25
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2011 0955
Date Prepared: N/A

Analysis Batch: 680-192534
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 012611alk.TXT
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Alkalinity	88	89	80 - 120	2	30		

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-192534

Method: SM 2320B

Preparation: N/A

LCS Lab Sample ID: LCS 680-192534/7

Units: mg/L

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 01/26/2011 0806

Date Prepared: N/A

LCSD Lab Sample ID: LCSD 680-192534/25

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 01/26/2011 0955

Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Alkalinity	352	352	308	314

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 680-192695

Method: SM 2540C

Preparation: N/A

Lab Sample ID: MB 680-192695/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2011 1438
Date Prepared: N/A

Analysis Batch: 680-192695
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-192695

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID: LCS 680-192695/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2011 1438
Date Prepared: N/A

Analysis Batch: 680-192695
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 680-192695/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2011 1438
Date Prepared: N/A

Analysis Batch: 680-192695
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Dissolved Solids	98	95	80 - 120	4	25		

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-192695

Method: SM 2540C

Preparation: N/A

LCS Lab Sample ID: LCS 680-192695/2 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2011 1438
Date Prepared: N/A

LCSD Lab Sample ID: LCSD 680-192695/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/27/2011 1438
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	311	311	305	294

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 680-192494

Method: SM 2540D

Preparation: N/A

Lab Sample ID: MB 680-192494/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2011 0749
Date Prepared: N/A

Analysis Batch: 680-192494
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	Result	Qual	RL	RL
Total Suspended Solids	5.0	U	5.0	5.0

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-192494

Method: SM 2540D

Preparation: N/A

LCS Lab Sample ID: LCS 680-192494/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2011 0749
Date Prepared: N/A

Analysis Batch: 680-192494
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

LCSD Lab Sample ID: LCSD 680-192494/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2011 0750
Date Prepared: N/A

Analysis Batch: 680-192494
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Suspended Solids	96	85	80 - 120	12	25		

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 680-192494

Method: SM 2540D

Preparation: N/A

LCS Lab Sample ID: LCS 680-192494/2

Units: mg/L

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 01/26/2011 0749

Date Prepared: N/A

LCSD Lab Sample ID: LCSD 680-192494/3

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 01/26/2011 0750

Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	96.0	85.0

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Method Blank - Batch: 680-192655

Method: SM 5310B

Preparation: N/A

Lab Sample ID: MB 680-192655/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2011 1114
Date Prepared: N/A

Analysis Batch: 680-192655
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC012611.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	1.0	U	0.50	1.0

Lab Control Sample - Batch: 680-192655

Method: SM 5310B

Preparation: N/A

Lab Sample ID: LCS 680-192655/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/26/2011 1230
Date Prepared: N/A

Analysis Batch: 680-192655
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC012611.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	20.0	19.7	98	80 - 120	

DATA REPORTING QUALIFIERS

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	J	Indicates an Estimated Value for TICs
	J	Indicates an estimated value.
	D	Sample was analyzed at a higher dilution factor.
	X	See case narrative notes for explanation of the 'X' flag
	B	The analyte was found in an associated blank, as well as in the sample.
	N	This flag indicates the presumptive evidence of a compound.
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
General Chemistry		
	U	Indicates analyzed for but not detected.

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:200-12583					
MB 200-12583/5	Method Blank	T	Water	SOM01.2/VOA_T	
200-3445-3	MW-2	T	Water	SOM01.2/VOA_T	
200-3445-3DL	MW-2	T	Water	SOM01.2/VOA_T	
200-3445-7	FB 01202011	T	Water	SOM01.2/VOA_T	
200-3445-8	TRIP BLANK	T	Water	SOM01.2/VOA_T	
Analysis Batch:200-12879					
MB 200-12879/4	Method Blank	T	Water	SOM01.2/VOA_T	
200-3445-1	MW-5	T	Water	SOM01.2/VOA_T	
200-3445-2	MW-1	T	Water	SOM01.2/VOA_T	
200-3445-4	MW-3	T	Water	SOM01.2/VOA_T	
200-3445-5	MW-4	T	Water	SOM01.2/VOA_T	
200-3445-6	MW-6	T	Water	SOM01.2/VOA_T	
200-3445-9STOBLK	VHBLK01	T	Water	SOM01.2/VOA_T	

Report Basis

T = Total

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 200-12588					
LCS 200-12588/2-A	Lab Control Sample	T	Water	ISM01.2/ICP	
MB 200-12588/1-A	Method Blank	T	Water	ISM01.2/ICP	
200-3445-1	MW-5	T	Water	ISM01.2/ICP	
200-3445-2	MW-1	T	Water	ISM01.2/ICP	
200-3445-3	MW-2	T	Water	ISM01.2/ICP	
200-3445-4	MW-3	T	Water	ISM01.2/ICP	
200-3445-5	MW-4	T	Water	ISM01.2/ICP	
200-3445-6	MW-6	T	Water	ISM01.2/ICP	
200-3445-7	FB 01202011	T	Water	ISM01.2/ICP	
Prep Batch: 200-12607					
MB 200-12607/11-A	Method Blank	T	Water	ISM01.2/HG	
200-3445-1	MW-5	T	Water	ISM01.2/HG	
200-3445-2	MW-1	T	Water	ISM01.2/HG	
200-3445-3	MW-2	T	Water	ISM01.2/HG	
200-3445-4	MW-3	T	Water	ISM01.2/HG	
200-3445-5	MW-4	T	Water	ISM01.2/HG	
200-3445-6	MW-6	T	Water	ISM01.2/HG	
200-3445-7	FB 01202011	T	Water	ISM01.2/HG	
Analysis Batch:200-12644					
LCS 200-12588/2-A	Lab Control Sample	T	Water	ISM01.2/ICP	200-12588
MB 200-12588/1-A	Method Blank	T	Water	ISM01.2/ICP	200-12588
200-3445-1	MW-5	T	Water	ISM01.2/ICP	200-12588
200-3445-2	MW-1	T	Water	ISM01.2/ICP	200-12588
200-3445-3	MW-2	T	Water	ISM01.2/ICP	200-12588
200-3445-4	MW-3	T	Water	ISM01.2/ICP	200-12588
200-3445-5	MW-4	T	Water	ISM01.2/ICP	200-12588
200-3445-6	MW-6	T	Water	ISM01.2/ICP	200-12588
200-3445-7	FB 01202011	T	Water	ISM01.2/ICP	200-12588
Analysis Batch:200-12682					
MB 200-12607/11-A	Method Blank	T	Water	ISM01.2/HG	200-12607
200-3445-1	MW-5	T	Water	ISM01.2/HG	200-12607
200-3445-2	MW-1	T	Water	ISM01.2/HG	200-12607
200-3445-3	MW-2	T	Water	ISM01.2/HG	200-12607
200-3445-4	MW-3	T	Water	ISM01.2/HG	200-12607
200-3445-5	MW-4	T	Water	ISM01.2/HG	200-12607
200-3445-6	MW-6	T	Water	ISM01.2/HG	200-12607
200-3445-7	FB 01202011	T	Water	ISM01.2/HG	200-12607

Report Basis

T = Total

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-192494					
LCS 680-192494/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-192494/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-192494/1	Method Blank	T	Water	SM 2540D	
200-3445-1	MW-5	T	Water	SM 2540D	
200-3445-2	MW-1	T	Water	SM 2540D	
200-3445-3	MW-2	T	Water	SM 2540D	
200-3445-4	MW-3	T	Water	SM 2540D	
200-3445-5	MW-4	T	Water	SM 2540D	
Analysis Batch:680-192534					
LCS 680-192534/7	Lab Control Sample	T	Water	SM 2320B	
LCSD 680-192534/25	Lab Control Sample Duplicate	T	Water	SM 2320B	
MB 680-192534/6	Method Blank	T	Water	SM 2320B	
200-3445-1	MW-5	T	Water	SM 2320B	
200-3445-2	MW-1	T	Water	SM 2320B	
200-3445-3	MW-2	T	Water	SM 2320B	
200-3445-4	MW-3	T	Water	SM 2320B	
200-3445-5	MW-4	T	Water	SM 2320B	
Analysis Batch:680-192613					
LCS 680-192613/3	Lab Control Sample	T	Water	300.0	
LCSD 680-192613/4	Lab Control Sample Duplicate	T	Water	300.0	
MB 680-192613/2	Method Blank	T	Water	300.0	
200-3445-1	MW-5	T	Water	300.0	
200-3445-2	MW-1	T	Water	300.0	
200-3445-3	MW-2	T	Water	300.0	
200-3445-3MS	Matrix Spike	T	Water	300.0	
200-3445-4	MW-3	T	Water	300.0	
200-3445-5	MW-4	T	Water	300.0	
Analysis Batch:680-192655					
LCS 680-192655/4	Lab Control Sample	T	Water	SM 5310B	
MB 680-192655/2	Method Blank	T	Water	SM 5310B	
200-3445-1	MW-5	T	Water	SM 5310B	
200-3445-2	MW-1	T	Water	SM 5310B	
200-3445-3	MW-2	T	Water	SM 5310B	
200-3445-4	MW-3	T	Water	SM 5310B	
200-3445-5	MW-4	T	Water	SM 5310B	

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

Sdg Number: 200-3445-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-192695					
LCS 680-192695/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 680-192695/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 680-192695/1	Method Blank	T	Water	SM 2540C	
200-3445-1	MW-5	T	Water	SM 2540C	
200-3445-2	MW-1	T	Water	SM 2540C	
200-3445-3	MW-2	T	Water	SM 2540C	
200-3445-4	MW-3	T	Water	SM 2540C	
200-3445-5	MW-4	T	Water	SM 2540C	

Report Basis

T = Total

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1
SDG: 200-3445-1

Laboratory Chronicle

Lab ID: 200-3445-1

Client ID: MW-5

Sample Date/Time: 01/19/2011 14:00

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA _PR	200-3445-D-1		200-12879		01/28/2011 22:30	1	TAL BUR	JRH
A:SOM01.2/VOA _Tr	200-3445-D-1		200-12879		01/28/2011 22:30	1	TAL BUR	JRH
P:ISM01.2/HG	200-3445-H-1-B		200-12682	200-12607	01/25/2011 11:00	1	TAL BUR	ALS
A:ISM01.2/HG	200-3445-H-1-B		200-12682	200-12607	01/26/2011 12:11	1	TAL BUR	ALS
P:ISM01.2/ICP	200-3445-H-1-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-1-A		200-12644	200-12588	01/25/2011 17:15	1	TAL BUR	BL
P:ISM01.2/ICP	200-3445-H-1-A ^100		200-12644	200-12588	01/25/2011 08:20	100	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-1-A ^100		200-12644	200-12588	01/25/2011 18:05	100	TAL BUR	BL
A:300.0	200-3445-G-1		680-192613		01/27/2011 00:05	5	TAL SAV	CB
A:SM 2320B	200-3445-G-1		680-192534		01/26/2011 09:08	1	TAL SAV	MSJ
A:SM 2540C	200-3445-A-1		680-192695		01/27/2011 14:38	1	TAL SAV	CN
A:SM 2540D	200-3445-G-1		680-192494		01/26/2011 07:51	1	TAL SAV	MSJ
A:SM 5310B	200-3445-E-1		680-192655		01/26/2011 13:30	100	TAL SAV	TH

Lab ID: 200-3445-1 SD

Client ID: MW-5

Sample Date/Time: 01/19/2011 14:00

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:ISM01.2/ICP	200-3445-H-1-A SD ^5		200-12644	200-12588	01/25/2011 08:20	5	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-1-A SD ^5		200-12644	200-12588	01/25/2011 17:20	5	TAL BUR	BL
P:ISM01.2/ICP	200-3445-H-1-A SD ^500		200-12644	200-12588	01/25/2011 08:20	500	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-1-A SD ^500		200-12644	200-12588	01/25/2011 18:10	500	TAL BUR	BL

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1
SDG: 200-3445-1

Laboratory Chronicle

Lab ID: 200-3445-2

Client ID: MW-1

Sample Date/Time: 01/20/2011 15:30

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-3445-D-2		200-12879		01/28/2011 22:55	1	TAL BUR	JRH
A:SOM01.2/VOA_Tr	200-3445-D-2		200-12879		01/28/2011 22:55	1	TAL BUR	JRH
P:ISM01.2/HG	200-3445-H-2-B		200-12682	200-12607	01/25/2011 11:00	1	TAL BUR	ALS
A:ISM01.2/HG	200-3445-H-2-B		200-12682	200-12607	01/26/2011 12:13	1	TAL BUR	ALS
P:ISM01.2/ICP	200-3445-H-2-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-2-A		200-12644	200-12588	01/25/2011 17:25	1	TAL BUR	BL
P:ISM01.2/ICP	200-3445-H-2-A ^10		200-12644	200-12588	01/25/2011 08:20	10	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-2-A ^10		200-12644	200-12588	01/25/2011 18:15	10	TAL BUR	BL
A:300.0	200-3445-G-2		680-192613		01/27/2011 00:19	5	TAL SAV	CB
A:SM 2320B	200-3445-G-2		680-192534		01/26/2011 09:13	1	TAL SAV	MSJ
A:SM 2540C	200-3445-A-2		680-192695		01/27/2011 14:38	1	TAL SAV	CN
A:SM 2540D	200-3445-G-2		680-192494		01/26/2011 07:52	1	TAL SAV	MSJ
A:SM 5310B	200-3445-E-2		680-192655		01/26/2011 13:45	100	TAL SAV	TH

Lab ID: 200-3445-3

Client ID: MW-2

Sample Date/Time: 01/20/2011 18:00

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-3445-B-3		200-12583		01/24/2011 11:09	1	TAL BUR	JRH
A:SOM01.2/VOA_Tr	200-3445-B-3		200-12583		01/24/2011 11:09	1	TAL BUR	JRH
P:SOM01.2/VOA_PR	200-3445-C-3	DL	200-12583		01/24/2011 14:05	7.1	TAL BUR	JRH
A:SOM01.2/VOA_Tr	200-3445-C-3	DL	200-12583		01/24/2011 14:05	7.1	TAL BUR	JRH
P:ISM01.2/HG	200-3445-H-3-B		200-12682	200-12607	01/25/2011 11:00	1	TAL BUR	ALS
A:ISM01.2/HG	200-3445-H-3-B		200-12682	200-12607	01/26/2011 12:15	1	TAL BUR	ALS
P:ISM01.2/ICP	200-3445-H-3-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-3-A		200-12644	200-12588	01/25/2011 17:31	1	TAL BUR	BL
P:ISM01.2/ICP	200-3445-H-3-A ^10		200-12644	200-12588	01/25/2011 08:20	10	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-3-A ^10		200-12644	200-12588	01/25/2011 18:20	10	TAL BUR	BL
A:300.0	200-3445-G-3		680-192613		01/27/2011 00:34	5	TAL SAV	CB
A:SM 2320B	200-3445-G-3		680-192534		01/26/2011 09:19	1	TAL SAV	MSJ
A:SM 2540C	200-3445-A-3		680-192695		01/27/2011 14:38	1	TAL SAV	CN
A:SM 2540D	200-3445-G-3		680-192494		01/26/2011 07:53	1	TAL SAV	MSJ
A:SM 5310B	200-3445-E-3		680-192655		01/26/2011 13:59	1	TAL SAV	TH

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

SDG: 200-3445-1

Laboratory Chronicle

Lab ID: 200-3445-3 MS

Client ID: MW-2

Sample Date/Time: 01/20/2011 18:00

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	200-3445-G-3 MS		680-192613		01/27/2011 00:48	5	TAL SAV	CB

Lab ID: 200-3445-4

Client ID: MW-3

Sample Date/Time: 01/20/2011 13:15

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-3445-D-4		200-12879		01/28/2011 23:20	1	TAL BUR	JRH
A:SOM01.2/VOA_Tr	200-3445-D-4		200-12879		01/28/2011 23:20	1	TAL BUR	JRH
P:ISM01.2/HG	200-3445-H-4-B		200-12682	200-12607	01/25/2011 11:00	1	TAL BUR	ALS
A:ISM01.2/HG	200-3445-H-4-B		200-12682	200-12607	01/26/2011 12:17	1	TAL BUR	ALS
P:ISM01.2/ICP	200-3445-H-4-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-4-A		200-12644	200-12588	01/25/2011 17:35	1	TAL BUR	BL
P:ISM01.2/ICP	200-3445-H-4-A ^50		200-12644	200-12588	01/25/2011 08:20	50	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-4-A ^50		200-12644	200-12588	01/25/2011 18:25	50	TAL BUR	BL
A:300.0	200-3445-G-4		680-192613		01/27/2011 01:03	5	TAL SAV	CB
A:SM 2320B	200-3445-G-4		680-192534		01/26/2011 09:24	1	TAL SAV	MSJ
A:SM 2540C	200-3445-A-4		680-192695		01/27/2011 14:38	1	TAL SAV	CN
A:SM 2540D	200-3445-G-4		680-192494		01/26/2011 07:54	1	TAL SAV	MSJ
A:SM 5310B	200-3445-E-4		680-192655		01/26/2011 14:16	100	TAL SAV	TH

Lab ID: 200-3445-5

Client ID: MW-4

Sample Date/Time: 01/20/2011 11:30

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	200-3445-D-5		200-12879		01/28/2011 23:45	1	TAL BUR	JRH
A:SOM01.2/VOA_Tr	200-3445-D-5		200-12879		01/28/2011 23:45	1	TAL BUR	JRH
P:ISM01.2/HG	200-3445-H-5-B		200-12682	200-12607	01/25/2011 11:00	1	TAL BUR	ALS
A:ISM01.2/HG	200-3445-H-5-B		200-12682	200-12607	01/26/2011 12:19	1	TAL BUR	ALS
P:ISM01.2/ICP	200-3445-H-5-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-5-A		200-12644	200-12588	01/25/2011 17:41	1	TAL BUR	BL
P:ISM01.2/ICP	200-3445-H-5-A ^100		200-12644	200-12588	01/25/2011 08:20	100	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-H-5-A ^100		200-12644	200-12588	01/25/2011 18:30	100	TAL BUR	BL
A:300.0	200-3445-G-5		680-192613		01/27/2011 01:17	5	TAL SAV	CB
A:SM 2320B	200-3445-G-5		680-192534		01/26/2011 09:29	1	TAL SAV	MSJ
A:SM 2540C	200-3445-A-5		680-192695		01/27/2011 14:38	1	TAL SAV	CN
A:SM 2540D	200-3445-G-5		680-192494		01/26/2011 07:55	1	TAL SAV	MSJ
A:SM 5310B	200-3445-E-5		680-192655		01/26/2011 14:30	100	TAL SAV	TH

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1
SDG: 200-3445-1

Laboratory Chronicle

Lab ID: 200-3445-6

Client ID: MW-6

Sample Date/Time: 01/20/2011 12:00

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA	200-3445-D-6		200-12879		01/29/2011 00:10	1	TAL BUR	JRH
_PR								
A:SOM01.2/VOA	200-3445-D-6		200-12879		01/29/2011 00:10	1	TAL BUR	JRH
_Tr								
P:ISM01.2/HG	200-3445-E-6-B		200-12682	200-12607	01/25/2011 11:00	1	TAL BUR	ALS
A:ISM01.2/HG	200-3445-E-6-B		200-12682	200-12607	01/26/2011 12:21	1	TAL BUR	ALS
P:ISM01.2/ICP	200-3445-E-6-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-E-6-A		200-12644	200-12588	01/25/2011 17:46	1	TAL BUR	BL
P:ISM01.2/ICP	200-3445-E-6-A ^100		200-12644	200-12588	01/25/2011 08:20	100	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-E-6-A ^100		200-12644	200-12588	01/25/2011 18:35	100	TAL BUR	BL

Lab ID: 200-3445-7

Client ID: FB 01202011

Sample Date/Time: 01/20/2011 16:00

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA	200-3445-B-7		200-12583		01/24/2011 13:14	1	TAL BUR	JRH
_PR								
A:SOM01.2/VOA	200-3445-B-7		200-12583		01/24/2011 13:14	1	TAL BUR	JRH
_Tr								
P:ISM01.2/HG	200-3445-E-7-B		200-12682	200-12607	01/25/2011 11:00	1	TAL BUR	ALS
A:ISM01.2/HG	200-3445-E-7-B		200-12682	200-12607	01/26/2011 12:23	1	TAL BUR	ALS
P:ISM01.2/ICP	200-3445-E-7-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	200-3445-E-7-A		200-12644	200-12588	01/25/2011 17:51	1	TAL BUR	BL

Lab ID: 200-3445-8

Client ID: TRIP BLANK

Sample Date/Time: 01/20/2011 00:00

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA	200-3445-B-8		200-12583		01/24/2011 13:39	1	TAL BUR	JRH
_PR								
A:SOM01.2/VOA	200-3445-B-8		200-12583		01/24/2011 13:39	1	TAL BUR	JRH
_Tr								

Lab ID: 200-3445-9

Client ID: VHBLK01

Sample Date/Time: 01/22/2011 09:30

Received Date/Time: 01/22/2011 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA	200-3445-D-9		200-12879		01/29/2011 01:00	1	TAL BUR	JRH
_PR								
A:SOM01.2/VOA	200-3445-D-9		200-12879		01/29/2011 01:00	1	TAL BUR	JRH
_Tr								

Quality Control Results

Client: Panther Technologies

Job Number: 200-3445-1

SDG: 200-3445-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:SOM01.2/VOA_PR	MB 200-12583/5		200-12583		01/24/2011 09:39	1	TAL BUR	JRH
A:SOM01.2/VOA_Tr	MB 200-12583/5		200-12583		01/24/2011 09:39	1	TAL BUR	JRH
P:SOM01.2/VOA_PR	MB 200-12879/4		200-12879		01/28/2011 16:30	1	TAL BUR	JRH
A:SOM01.2/VOA_Tr	MB 200-12879/4		200-12879		01/28/2011 16:30	1	TAL BUR	JRH
P:ISM01.2/HG	MB 200-12607/11-A		200-12682	200-12607	01/25/2011 11:00	1	TAL BUR	ALS
A:ISM01.2/HG	MB 200-12607/11-A		200-12682	200-12607	01/26/2011 12:09	1	TAL BUR	ALS
P:ISM01.2/ICP	MB 200-12588/1-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	MB 200-12588/1-A		200-12644	200-12588	01/25/2011 17:05	1	TAL BUR	BL
A:300.0	MB 680-192613/2		680-192613		01/26/2011 23:22	5	TAL SAV	CB
A:SM 2320B	MB 680-192534/6		680-192534		01/26/2011 07:56	1	TAL SAV	MSJ
A:SM 2540C	MB 680-192695/1		680-192695		01/27/2011 14:38	1	TAL SAV	CN
A:SM 2540D	MB 680-192494/1		680-192494		01/26/2011 07:49	1	TAL SAV	MSJ
A:SM 5310B	MB 680-192655/2		680-192655		01/26/2011 11:14	1	TAL SAV	TH

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:ISM01.2/ICP	LCS 200-12588/2-A		200-12644	200-12588	01/25/2011 08:20	1	TAL BUR	ALS
A:ISM01.2/ICP	LCS 200-12588/2-A		200-12644	200-12588	01/25/2011 17:10	1	TAL BUR	BL
A:300.0	LCS 680-192613/3		680-192613		01/26/2011 23:36	5	TAL SAV	CB
A:SM 2320B	LCS 680-192534/7		680-192534		01/26/2011 08:06	1	TAL SAV	MSJ
A:SM 2540C	LCS 680-192695/2		680-192695		01/27/2011 14:38	1	TAL SAV	CN
A:SM 2540D	LCS 680-192494/2		680-192494		01/26/2011 07:49	1	TAL SAV	MSJ
A:SM 5310B	LCS 680-192655/4		680-192655		01/26/2011 12:30	1	TAL SAV	TH

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	LCSD 680-192613/4		680-192613		01/26/2011 23:51	5	TAL SAV	CB
A:SM 2320B	LCSD 680-192534/25		680-192534		01/26/2011 09:55	1	TAL SAV	MSJ
A:SM 2540C	LCSD 680-192695/3		680-192695		01/27/2011 14:38	1	TAL SAV	CN
A:SM 2540D	LCSD 680-192494/3		680-192494		01/26/2011 07:50	1	TAL SAV	MSJ

Lab References:

TAL BUR = TestAmerica Burlington

TAL SAV = TestAmerica Savannah

TestAmerica Burlington

A = Analytical Method P = Prep Method

Method SOM01.2 Vol Tr

Volatile Organic Compounds (GC/MS)
by Method SOM01.2_Vol_Tr

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Matrix: Water Level: Trace
 GC Column (1): DB-624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	VCL #	CLA #	DCE #	BUT #	CLF #	DCA #	BEN #	DPA #
MW-5	200-3445-1	110	115	85	97	108	105	111	104
MW-1	200-3445-2	111	121	88	100	112	108	115	102
MW-2	200-3445-3	107	104	79	102	98	100	104	96
MW-2 DL	200-3445-3 DL	109	106	80	94	103	98	107	100
MW-3	200-3445-4	108	117	86	97	106	105	110	98
MW-4	200-3445-5	110	113	87	100	109	106	110	98
MW-6	200-3445-6	111	114	89	97	114	112	111	103
FB 01202011	200-3445-7	105	107	81	94	99	101	106	96
TRIP BLANK	200-3445-8	109	106	84	95	101	97	107	98
VHBLK01	200-3445-9	112	116	88	90	110	103	110	96
	MB 200-12583/5	105	111	81	101	104	105	109	99
	MB 200-12879/4	107	109	86	88	104	107	107	97

QC LIMITS

VCL = Vinyl chloride-d3	65-131
CLA = Chloroethane-d5	71-131
DCE = 1,1-Dichloroethene-d2	55-104
BUT = 2-Butanone-d5	49-155
CLF = Chloroform-d	78-121
DCA = 1,2-Dichloroethane-d4	78-129
BEN = Benzene-d6	77-124
DPA = 1,2-Dichloropropane-d6	79-124

Column to be used to flag recovery values

FORM II SOM01.2/VOA_Tr

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Matrix: Water Level: Trace
 GC Column (1): DB-624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	TOL #	TDP #	HEX #	TCA #	DCZ #
MW-5	200-3445-1	111	105	107	108	104
MW-1	200-3445-2	113	112	108	109	110
MW-2	200-3445-3	105	101	102	99	98
MW-2 DL	200-3445-3 DL	108	105	96	93	102
MW-3	200-3445-4	110	104	105	104	111
MW-4	200-3445-5	111	103	111	100	113
MW-6	200-3445-6	113	103	104	104	107
FB 01202011	200-3445-7	107	100	101	94	106
TRIP BLANK	200-3445-8	110	103	96	97	107
VHBLK01	200-3445-9	111	103	97	98	113
	MB 200-12583/5	112	108	105	95	102
	MB 200-12879/4	110	107	95	96	113

QC LIMITS

TOL = Toluene-d8	77-121
TDP = trans-1,3-Dichloropropene-d4	73-121
HEX = 2-Hexanone-d5	28-135
TCA = 1,1,2,2-Tetrachloroethane-d2	73-125
DCZ = 1,2-Dichlorobenzene-d4	80-131

Column to be used to flag recovery values

FORM II SOM01.2/VOA_Tr

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Lab File ID: jcif05.d Lab Sample ID: MB 200-12583/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: J.i Date Analyzed: 01/24/2011 09:39
GC Column: DB-624 ID: 0.2 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-2	200-3445-3	jcif08.d	01/24/2011 11:09
	VIBLK 200-12583/9	jcif09.d	01/24/2011 11:34
FB 01202011	200-3445-7	jcif13.d	01/24/2011 13:14
TRIP BLANK	200-3445-8	jcif14.d	01/24/2011 13:39
MW-2 DL	200-3445-3 DL	jcif15.d	01/24/2011 14:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Lab File ID: jcim04.d Lab Sample ID: MB 200-12879/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: J.i Date Analyzed: 01/28/2011 16:30
GC Column: DB-624 ID: 0.2 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-5	200-3445-1	jcim18.d	01/28/2011 22:30
MW-1	200-3445-2	jcim19.d	01/28/2011 22:55
MW-3	200-3445-4	jcim20.d	01/28/2011 23:20
MW-4	200-3445-5	jcim21.d	01/28/2011 23:45
MW-6	200-3445-6	jcim22.d	01/29/2011 00:10
VHBLK01	200-3445-9	jcim24.d	01/29/2011 01:00

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Lab File ID: jci01.d BFB Injection Date: 01/14/2011
Instrument ID: J.i BFB Injection Time: 10:28
Analysis Batch No.: 12248

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 80.0% of mass 95	48.3
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	1.4 (1.5) 1
174	50.0 - 120% of mass 95	91.8
175	5.0 - 9.0% of mass 174	7.2 (7.8) 1
176	95.0 - 101% of mass 174	92.2 (100.4) 1
177	5.0 - 9.0% of mass 176	5.5 (5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-12248/4	jci04.d	01/14/2011	11:39
	IC 200-12248/5	jci05.d	01/14/2011	12:05
	ICIS 200-12248/6	jci06.d	01/14/2011	12:30
	IC 200-12248/7	jci07.d	01/14/2011	12:55
	IC 200-12248/8	jci08.d	01/14/2011	13:20

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Lab File ID: jcif02.d BFB Injection Date: 01/24/2011
Instrument ID: J.i BFB Injection Time: 08:29
Analysis Batch No.: 12583

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 80.0% of mass 95	47.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	1.0 (1.0) 1
174	50.0 - 120% of mass 95	94.1
175	5.0 - 9.0% of mass 174	6.6 (7.0) 1
176	95.0 - 101% of mass 174	91.9 (97.7) 1
177	5.0 - 9.0% of mass 176	5.6 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-12583/3	jcif03.d	01/24/2011	08:49
	MB 200-12583/5	jcif05.d	01/24/2011	09:39
MW-2	200-3445-3	jcif08.d	01/24/2011	11:09
	VIBLK 200-12583/9	jcif09.d	01/24/2011	11:34
FB 01202011	200-3445-7	jcif13.d	01/24/2011	13:14
TRIP BLANK	200-3445-8	jcif14.d	01/24/2011	13:39
MW-2 DL	200-3445-3 DL	jcif15.d	01/24/2011	14:05
	CCVC 200-12583/16	jcif16.d	01/24/2011	14:43

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Lab File ID: jcim02.d BFB Injection Date: 01/28/2011
Instrument ID: J.i BFB Injection Time: 15:45
Analysis Batch No.: 12879

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 80.0% of mass 95	50.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.3 (0.3) 1
174	50.0 - 120% of mass 95	93.0
175	5.0 - 9.0% of mass 174	6.2 (6.7) 1
176	95.0 - 101% of mass 174	90.1 (96.9) 1
177	5.0 - 9.0% of mass 176	6.2 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-12879/3	jcim03.d	01/28/2011	16:05
	MB 200-12879/4	jcim04.d	01/28/2011	16:30
MW-5	200-3445-1	jcim18.d	01/28/2011	22:30
MW-1	200-3445-2	jcim19.d	01/28/2011	22:55
MW-3	200-3445-4	jcim20.d	01/28/2011	23:20
MW-4	200-3445-5	jcim21.d	01/28/2011	23:45
MW-6	200-3445-6	jcim22.d	01/29/2011	00:10
VHBLK01	200-3445-9	jcim24.d	01/29/2011	01:00
	CCVC 200-12879/25	jcim25.d	01/29/2011	01:25

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Sample No.: CCVIS 200-12583/3 Date Analyzed: 01/24/2011 08:49
 Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm)
 Lab File ID (Standard): jcif03.d Heated Purge: (Y/N) N
 Calibration ID: 4374

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		306175	5.59	243774	8.94	120826	11.76
UPPER LIMIT		428645	5.92	341284	9.27	169156	12.09
LOWER LIMIT		183705	5.26	146264	8.61	72496	11.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-12583/5		271173	5.59	218743	8.94	107190	11.77
200-3445-3	MW-2	271620	5.59	222295	8.94	111934	11.77
VIBLK 200-12583/9		264031	5.59	214975	8.94	99832	11.77
200-3445-7	FB 01202011	272584	5.59	222639	8.94	104275	11.77
200-3445-8	TRIP BLANK	272334	5.59	223160	8.94	100607	11.77
200-3445-3 DL	MW-2 DL	267643	5.59	217115	8.94	104715	11.77
CCVC 200-12583/16		303153	5.59	241965	8.94	119515	11.76

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Sample No.: CCVIS 200-12879/3 Date Analyzed: 01/28/2011 16:05
 Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm)
 Lab File ID (Standard): jcim03.d Heated Purge: (Y/N) N
 Calibration ID: 4374

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	288491	5.59	228285	8.94	108411	11.77	
UPPER LIMIT	403887	5.92	319599	9.27	151775	12.10	
LOWER LIMIT	173095	5.26	136971	8.61	65047	11.44	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-12879/4		262160	5.59	212814	8.94	96782	11.77
200-3445-1	MW-5	242079	5.60	195758	8.94	99775	11.77
200-3445-2	MW-1	250349	5.60	201884	8.94	98872	11.77
200-3445-4	MW-3	243360	5.60	199129	8.94	95835	11.77
200-3445-5	MW-4	245689	5.60	201450	8.94	96284	11.77
200-3445-6	MW-6	244621	5.60	204550	8.94	99278	11.77
200-3445-9	VHBLK01	248748	5.60	207094	8.94	92574	11.77
CCVC 200-12879/25		258741	5.60	210941	8.94	106299	11.77

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-5 Lab Sample ID: 200-3445-1
 Matrix: Water Lab File ID: jcim18.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/19/2011 14:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 22:30
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	5.5	B	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	2.0	B	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.19	J	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.12	J	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.075	J B	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-5 Lab Sample ID: 200-3445-1
 Matrix: Water Lab File ID: jcim18.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/19/2011 14:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 22:30
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	1.1		0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	110		65-131
19199-91-8	Chloroethane-d5	115		71-131
22280-73-5	1,1-Dichloroethene-d2	85		55-104
24313-50-6	2-Butanone-d5	97		49-155
865-49-6	Chloroform-d	108		78-121
17060-07-0	1,2-Dichloroethane-d4	105		78-129
1076-43-3	Benzene-d6	111		77-124
93952-08-0	1,2-Dichloropropane-d6	104		79-124
2037-26-5	Toluene-d8	111		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	105		73-121
4840-82-8	2-Hexanone-d5	107		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	108		73-125
2199-69-1	1,2-Dichlorobenzene-d4	104		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-5 Lab Sample ID: 200-3445-1
Matrix: Water Lab File ID: jcim18.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/19/2011 14:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 22:30
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L
Number TICs Found: 5 TIC Result Total: 19.21

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Trimethylsilyl fluoride	1.74	7.7	J N
	Unknown	6.92	3.1	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.87	0.77	B J N
	Unknown siloxane derivative	10.69	0.71	B J
	Unknown	11.57	6.4	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-5 Lab Sample ID: 200-3445-1
Matrix: Water Lab File ID: jcim18.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/19/2011 14:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 22:30
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		13	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-1
Client Smp ID: MW-5
Inj Date : 28-JAN-2011 22:30
Operator : JH2
Smp Info : 200-3445-D-1
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmt.r.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 37
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ng)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	91775	138.072	5.5
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.927	1.927	(0.344)	78764	143.290	5.7
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.536	(0.452)	128531	106.500	4.3
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.584	2.584	(0.462)	4925	137.520	5.5
13 Carbon disulfide	76							
14 Methyl acetate	43							
15 Methylene chloride	84							

						CONCENTRATIONS	
		QUANT	SIG			ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	32473	49.6200	2.0
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.178	4.172	(0.747)	57745	1216.94	49
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	Compound Not Detected.					
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.537	4.537	(0.811)	135390	135.098	5.4(Q)
24 Chloroform	83	4.562	4.562	(0.815)	4559	4.87396	0.19(aQ)
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	46203	131.300	5.3
\$ 29 Benzene-d6	84	5.121	5.121	(0.573)	290313	138.227	5.5
30 Benzene	78	5.158	5.164	(0.577)	6602	3.08469	0.12(a)
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	242079	125.000	
33 Trichloroethene	95	5.882	5.876	(0.658)	1101	1.87976	0.075(aQ)
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	68861	129.595	5.2
35 Methylcyclohexane	55	Compound Not Detected.					
36 1,2-Dichloropropane	63	Compound Not Detected.					
37 Bromodichloromethane	83	Compound Not Detected.					
38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
39 4-Methyl-2-pentanone	43	Compound Not Detected.					
\$ 40 Toluene-d8	98	7.263	7.257	(0.812)	272162	138.206	5.5
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	49299	131.667	5.3
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	163	Compound Not Detected.					
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)	47076	1336.27	53
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	195758	125.000	
51 Chlorobenzene	112	Compound Not Detected.					
52 Ethylbenzene	91	Compound Not Detected.					
53 m,p-Xylene	106	Compound Not Detected.					
54 Styrene	104	Compound Not Detected.					
55 o-Xylene	106	Compound Not Detected.					
56 Bromoform	173	9.964	9.964	(0.846)	4559	28.2896	1.1
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	28302	134.876	5.4
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	99775	125.000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	77384	130.616	5.2
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-1
Client Smp ID: MW-5
Inj Date : 28-JAN-2011 22:30
Operator : JH2
Smp Info : 200-3445-D-1
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 37
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	537358	125.000
* 50 Chlorobenzene-d5	8.942	572556	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	569632	125.000

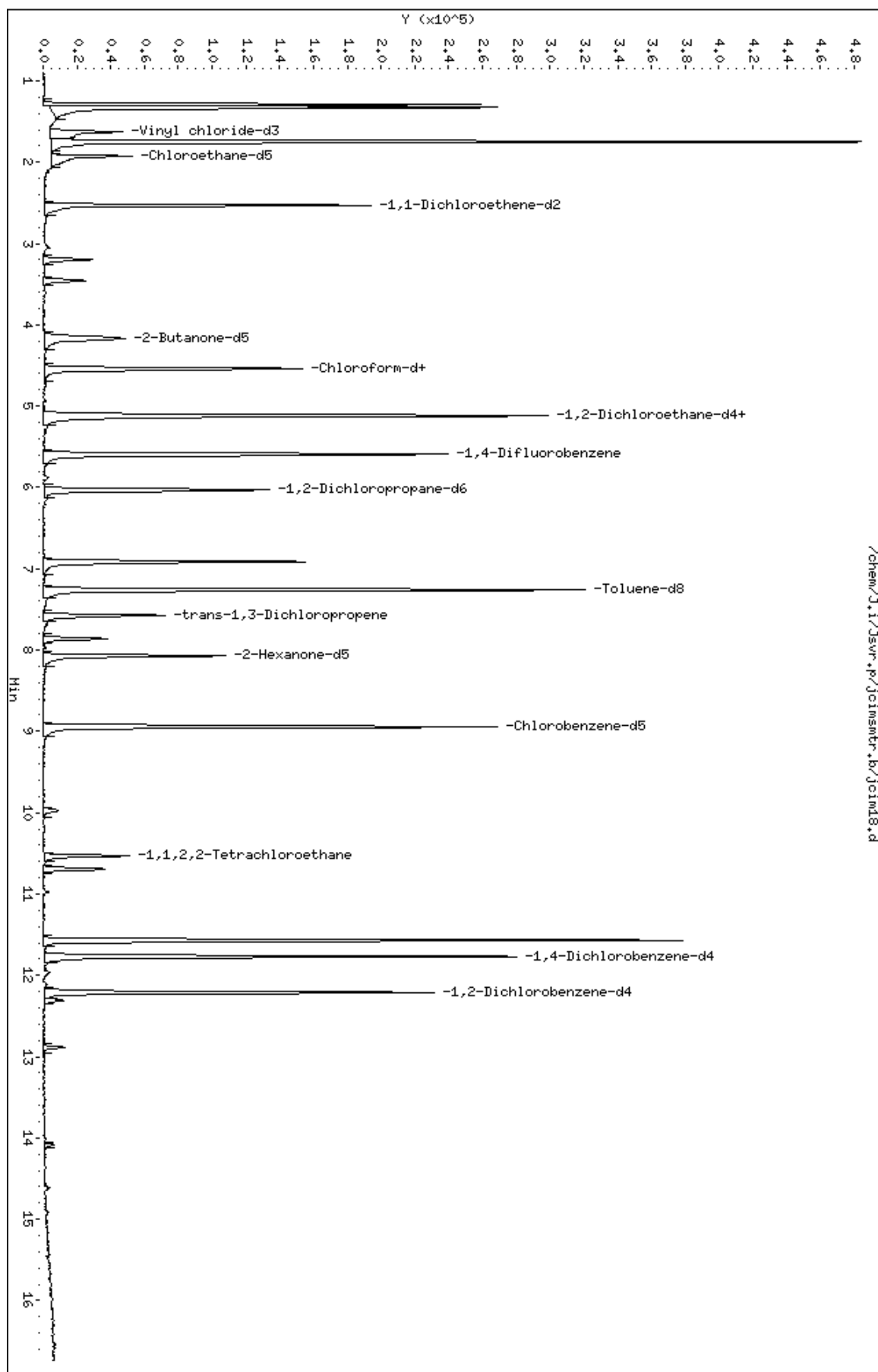
CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Trimethylsilyl fluoride					CAS #: 420-56-4		
1.745	830691	193.234637	7.7	91	NIST05.1	2373	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown alkane					CAS #:		
3.454	56456	13.1326687	0.53	0		0	32
Unknown					CAS #:		
6.916	337160	78.4297857	3.1	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.865	87762	19.1600914	0.77	87	NIST05.l	73121	50
Unknown siloxane derivative					CAS #:		
10.694	80566	17.6793081	0.71	0		0	61
Unknown					CAS #:		
11.570	730391	160.276598	6.4	0		0	61

Data File: /chem/J.i/Jswr.p/joismstr.b/joim8.d
 Date : 28-JAN-2011 22:30
 Client ID: MM-5
 Sample Info: 200-3445-D-1
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20

Page 1



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

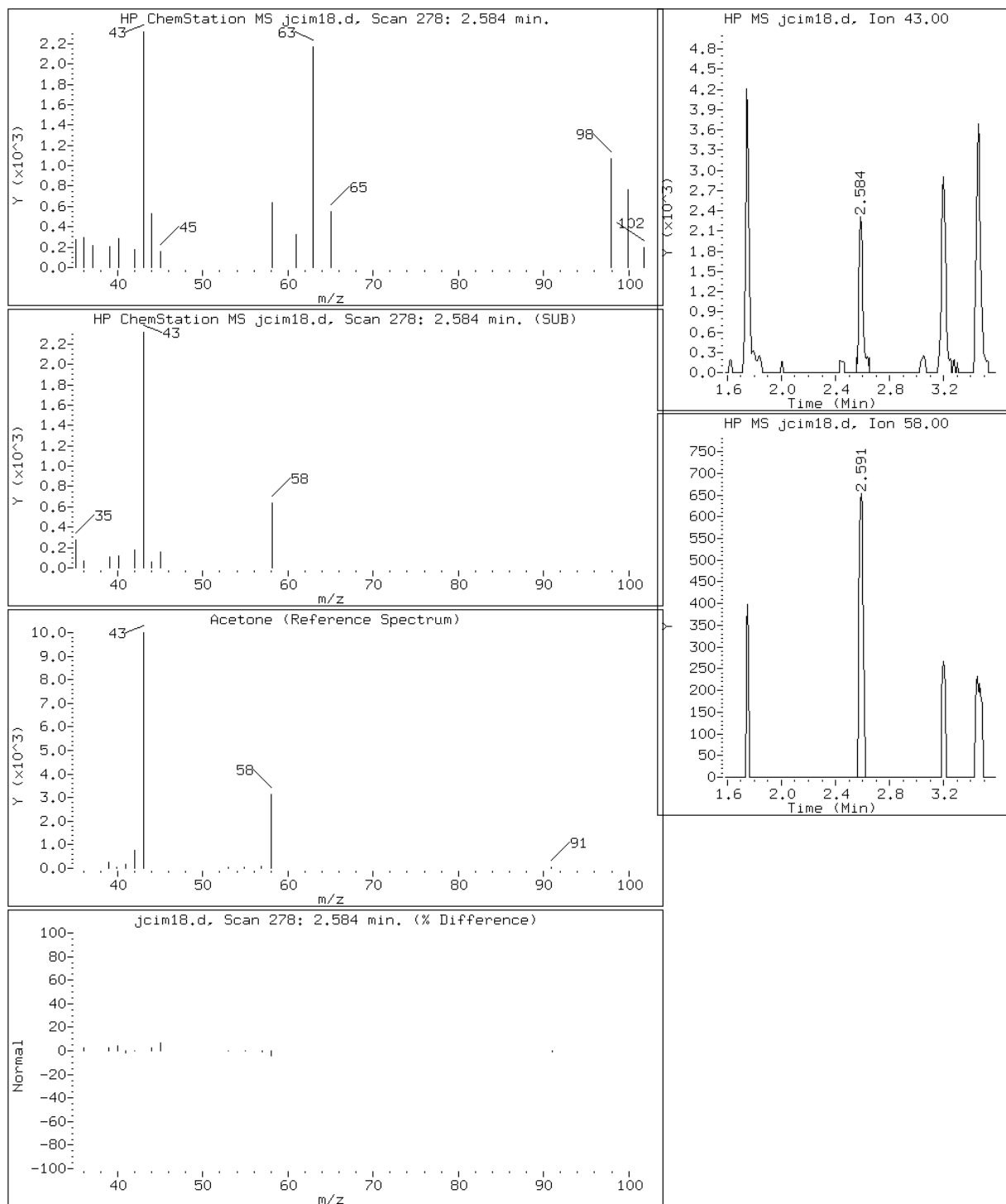
Client ID: MW-5

Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

12 Acetone



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

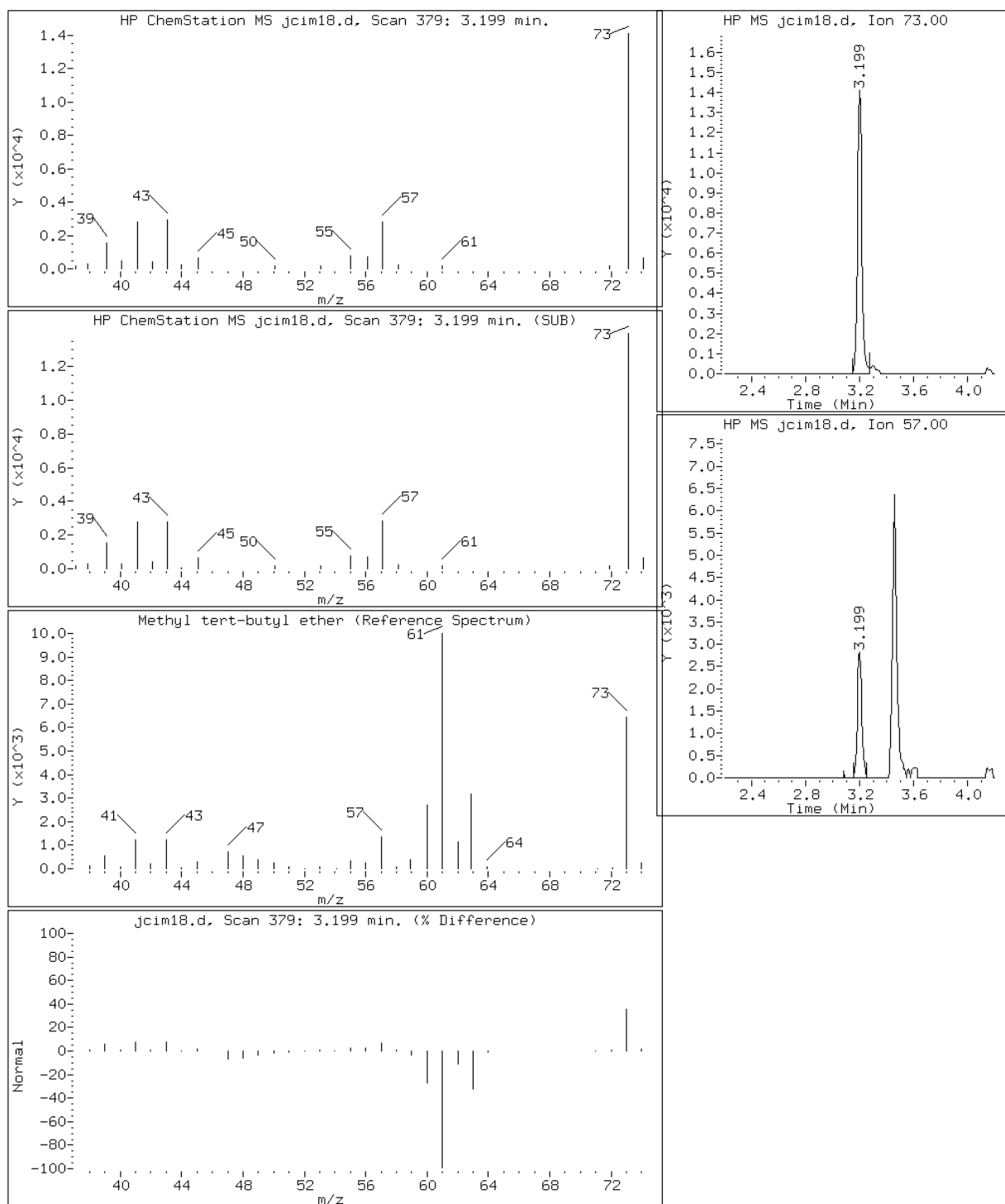
Client ID: MW-5

Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

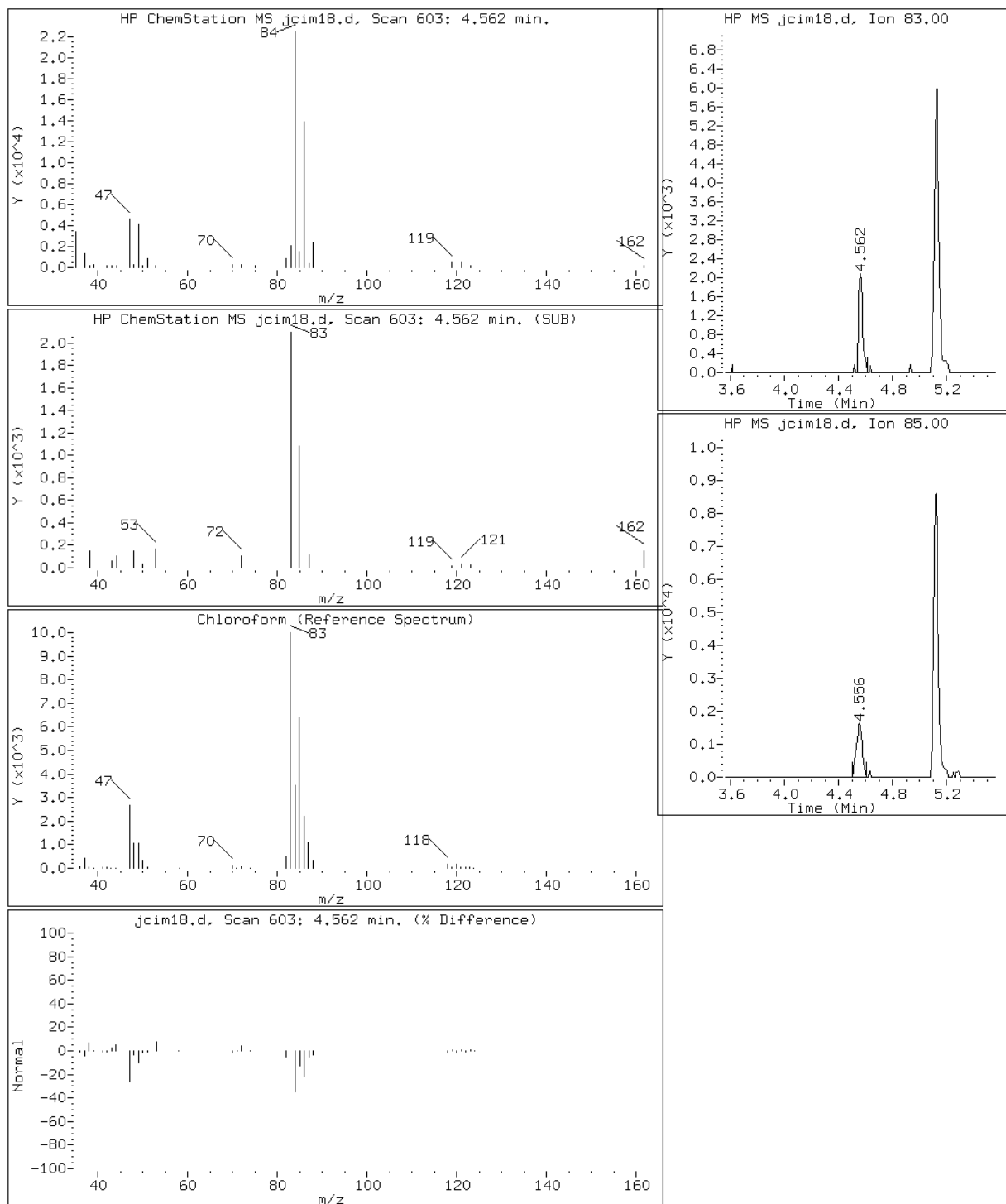
Client ID: MW-5

Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

24 Chloroform



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

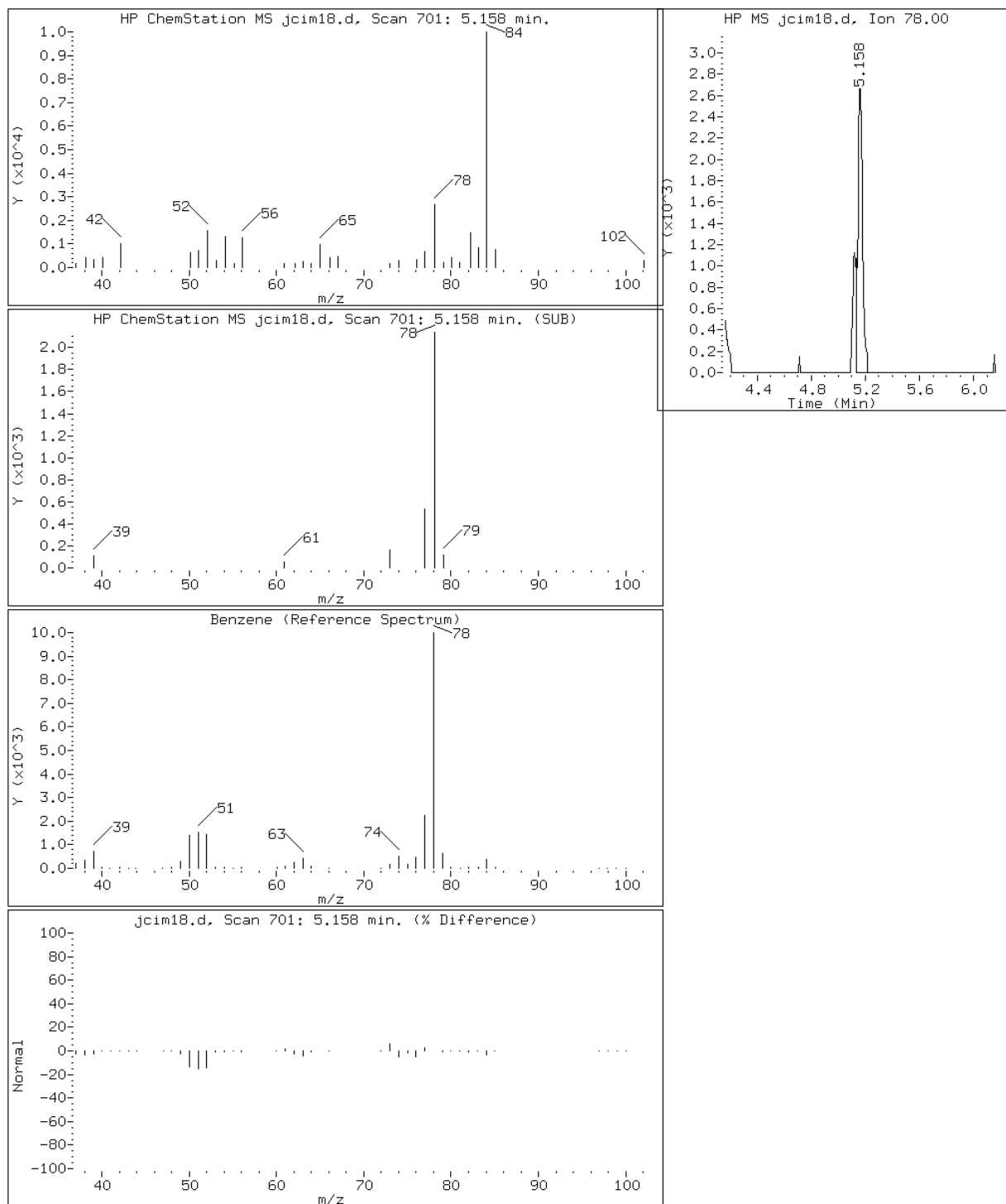
Client ID: MW-5

Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

30 Benzene



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

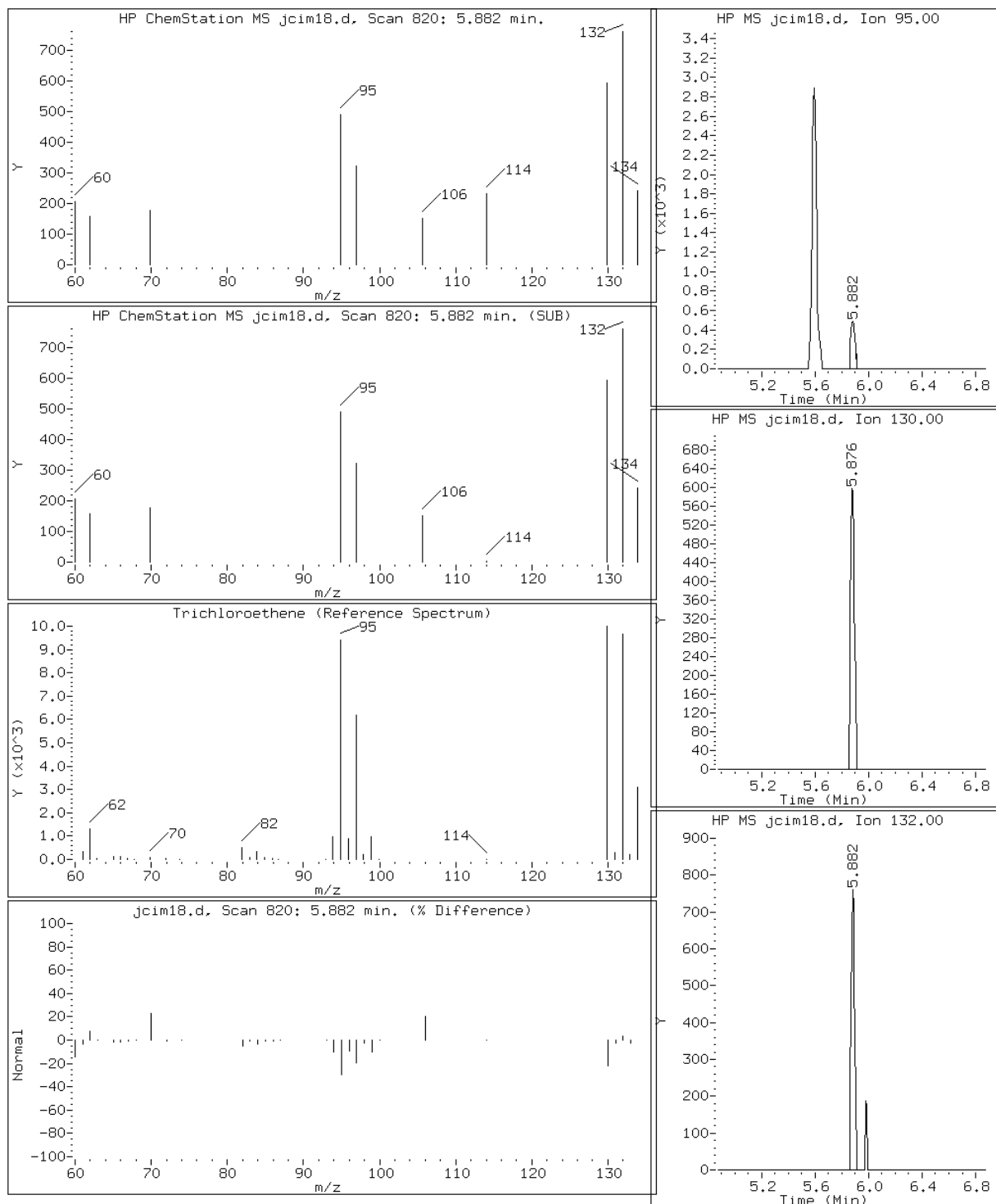
Client ID: MW-5

Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

33 Trichloroethene



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

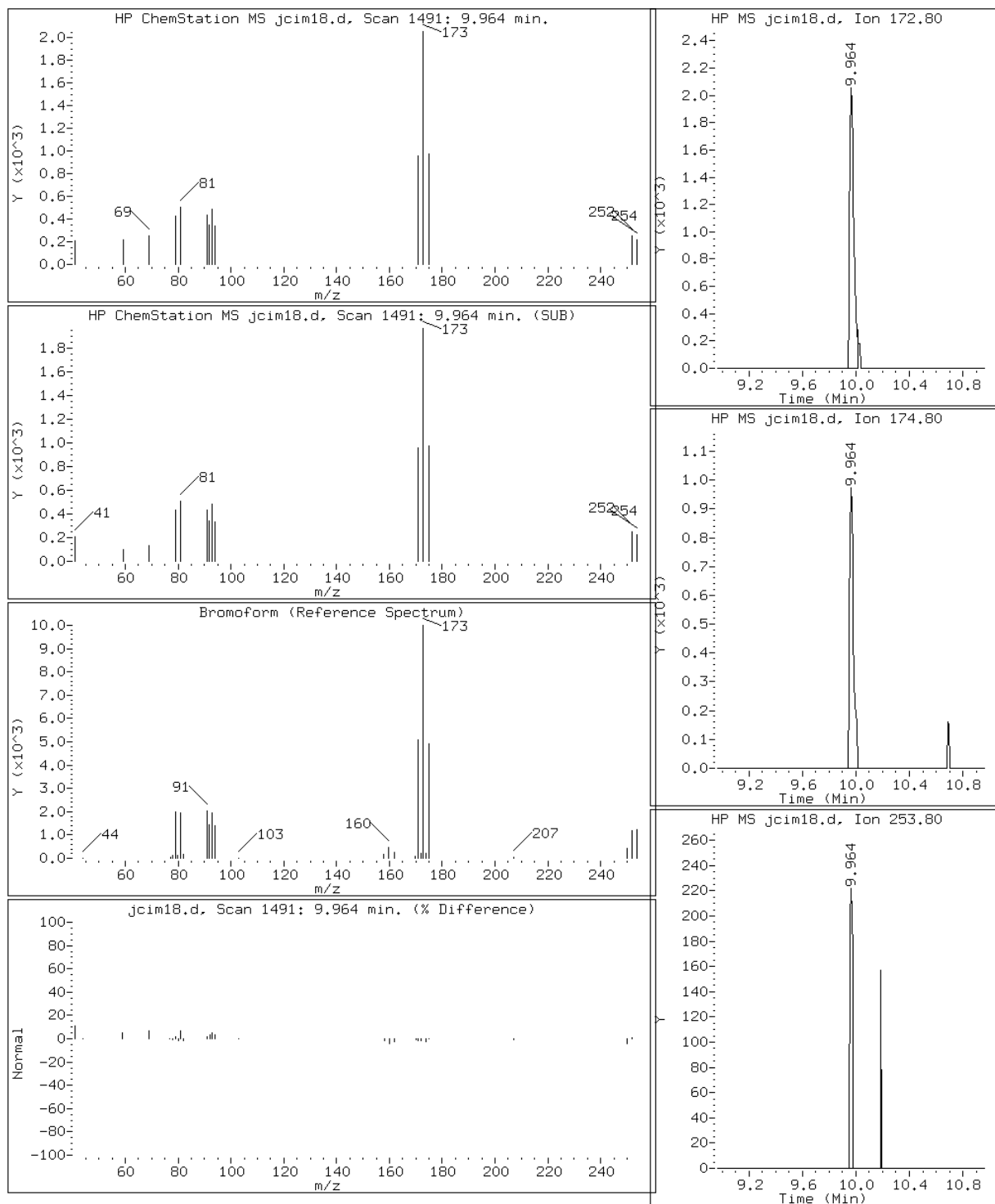
Client ID: MW-5

Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

56 Bromoform



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Client ID: MW-5

Sample Info: 200-3445-D-1

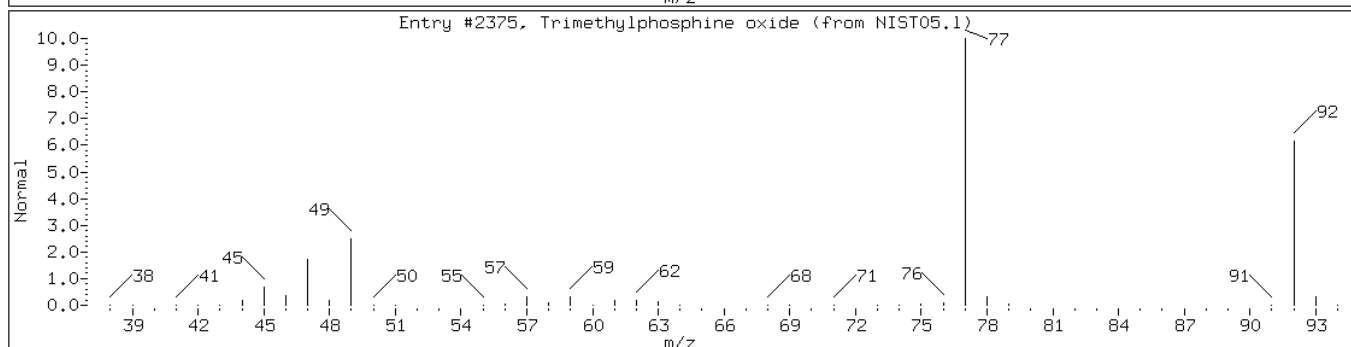
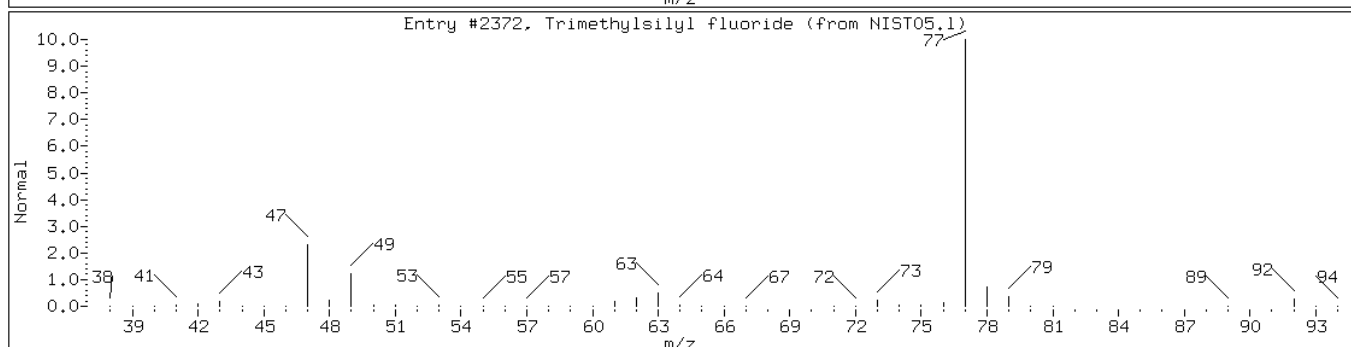
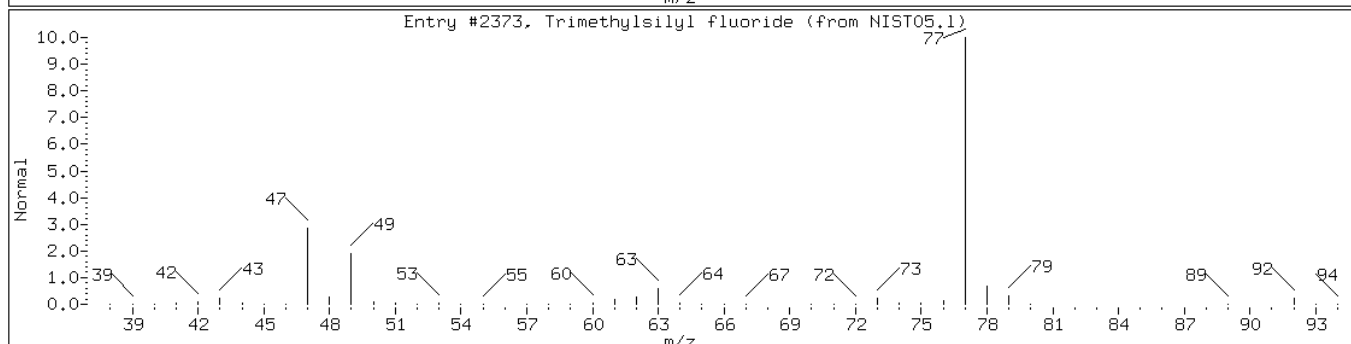
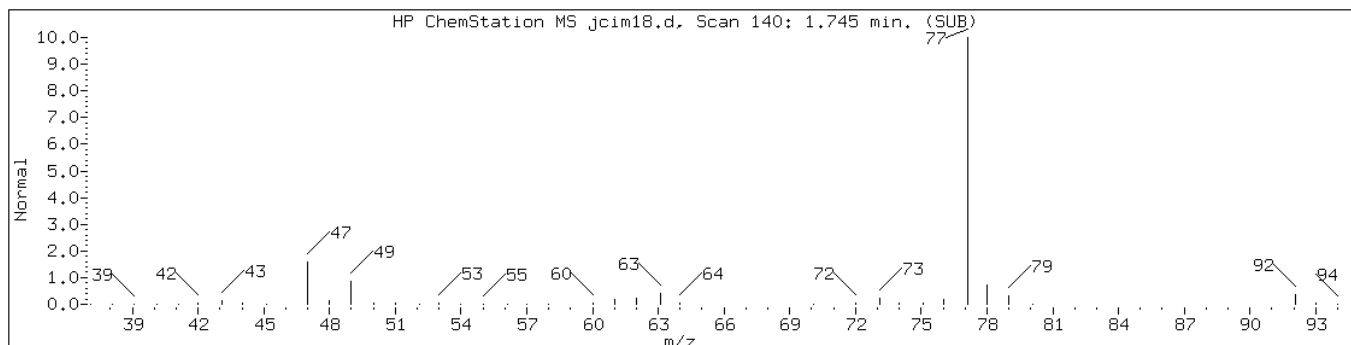
Date: 28-JAN-2011 22:30

Instrument: J.i

Operator: JH2

Retention Time: 1.74

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	91	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	39	C3H9OP	92



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

Client ID: MW-5

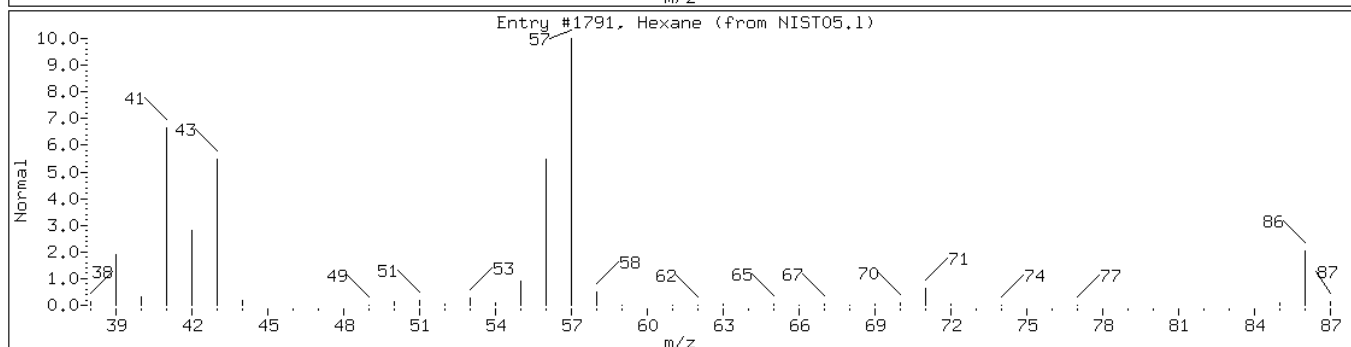
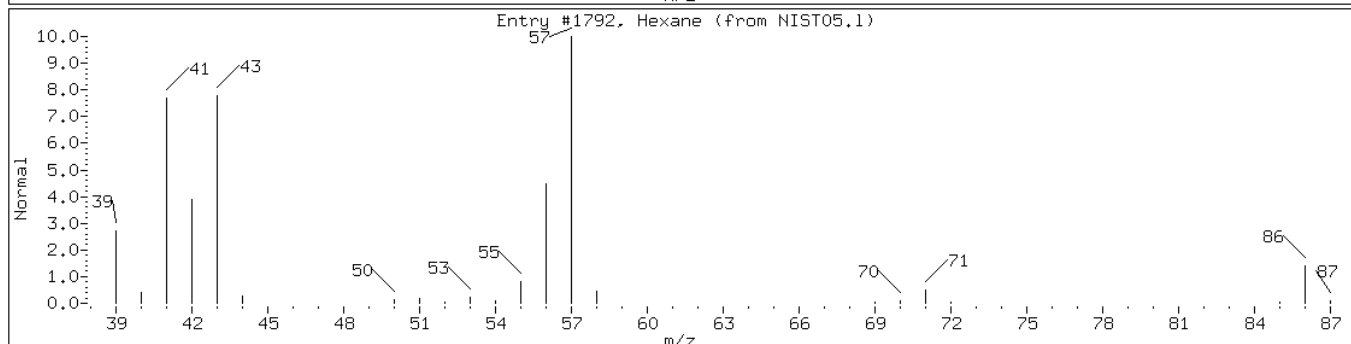
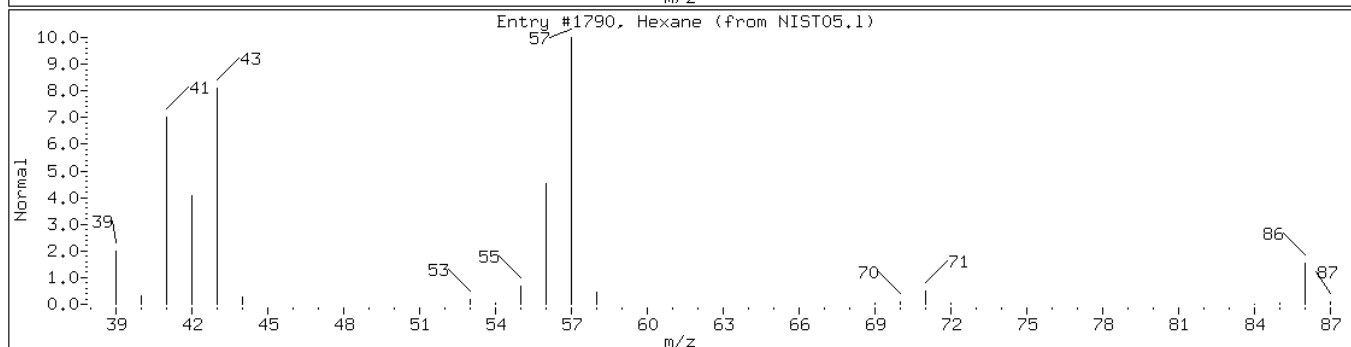
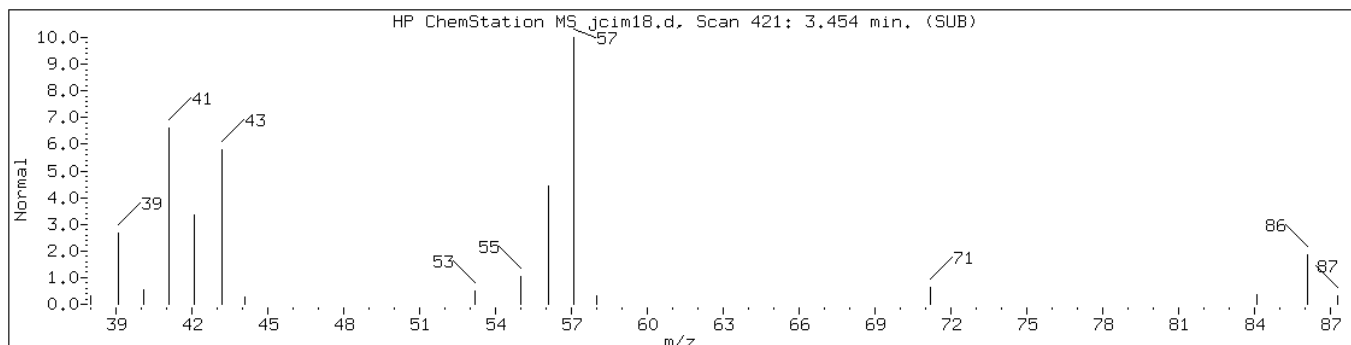
Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1790	78	C6H14	86
Hexane	110-54-3	NIST05.1	1792	64	C6H14	86
Hexane	110-54-3	NIST05.1	1791	53	C6H14	86



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Client ID: MW-5

Sample Info: 200-3445-D-1

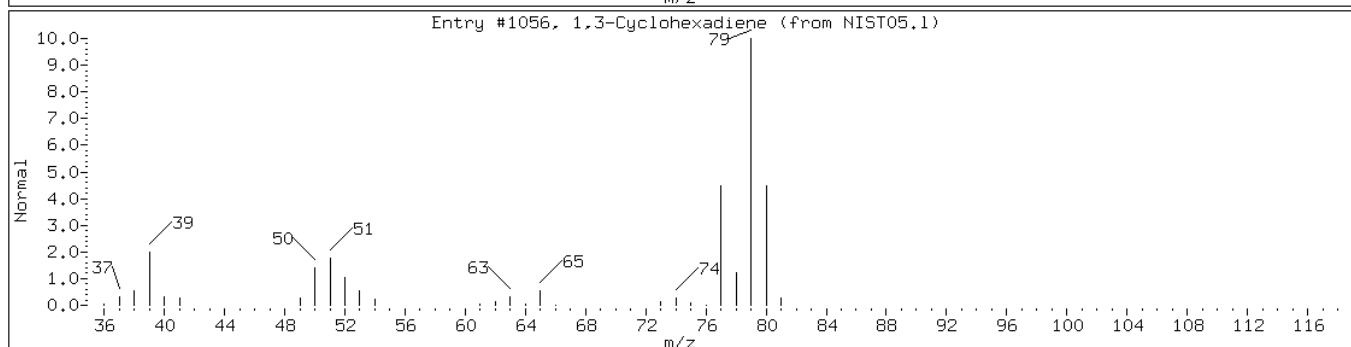
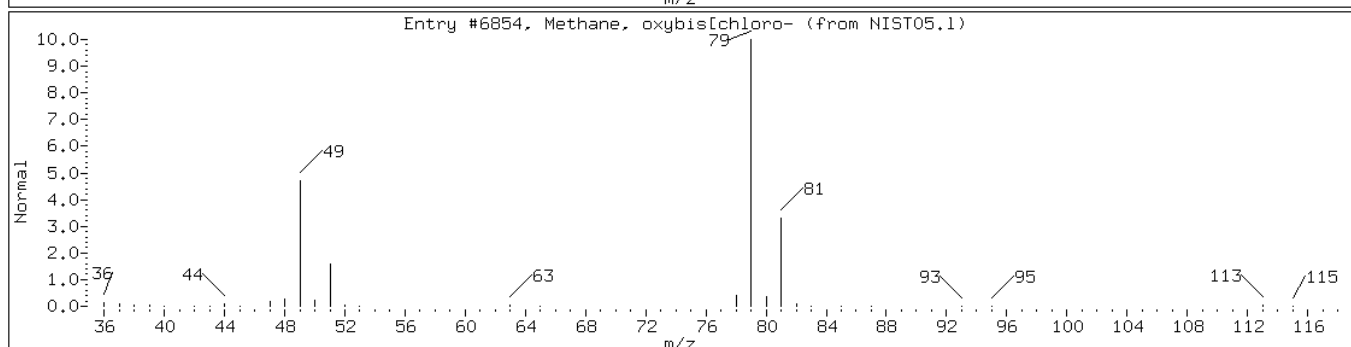
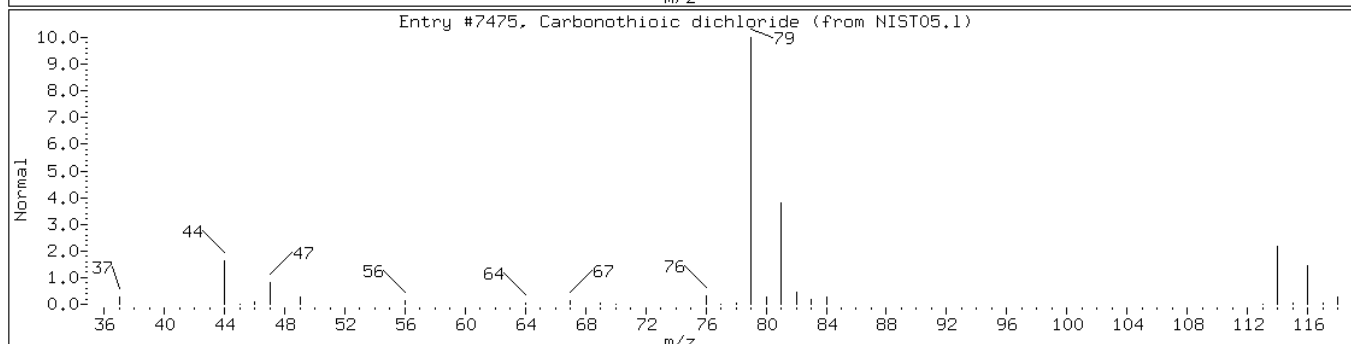
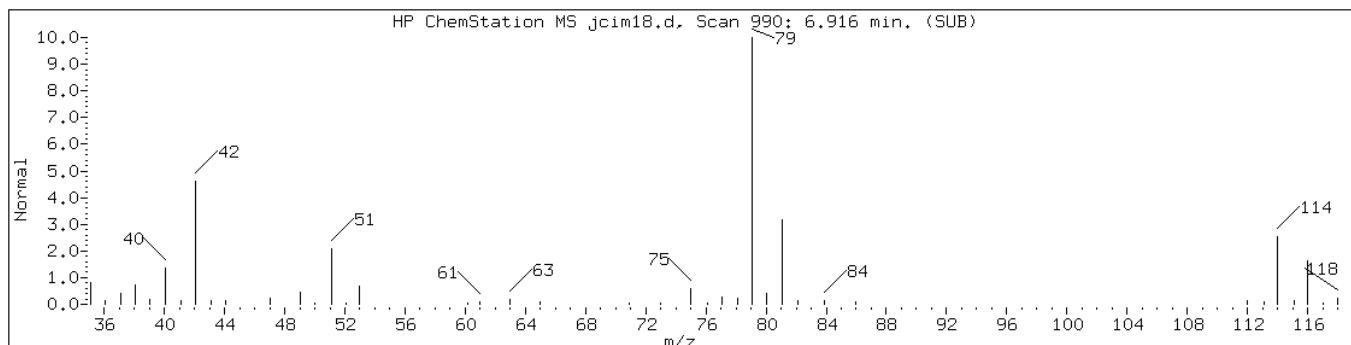
Date: 28-JAN-2011 22:30

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	33	<chem>CCl2S</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	<chem>C2H4Cl2O</chem>	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1056	25	<chem>C6H8</chem>	80



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Client ID: MW-5

Sample Info: 200-3445-D-1

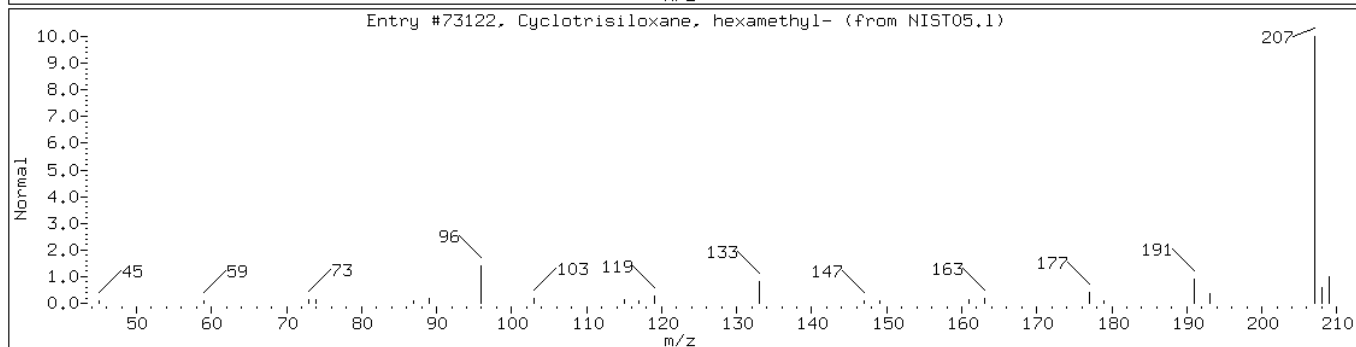
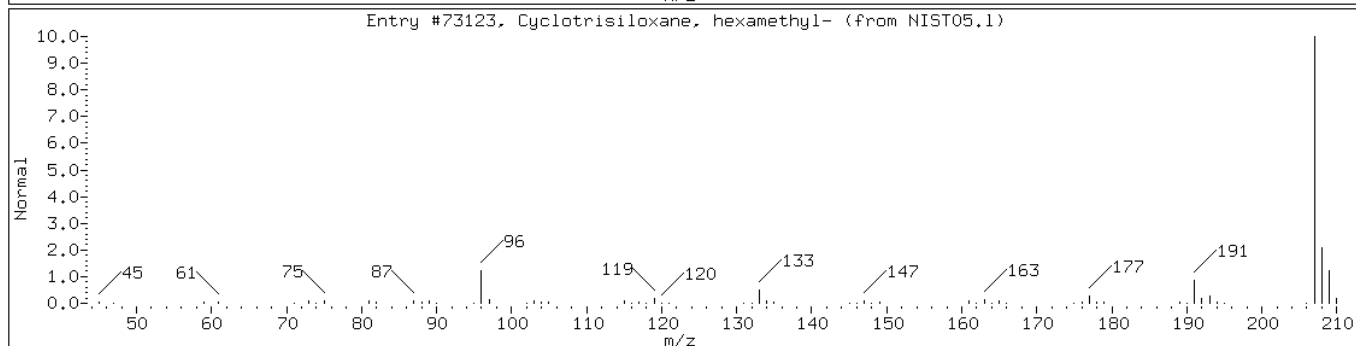
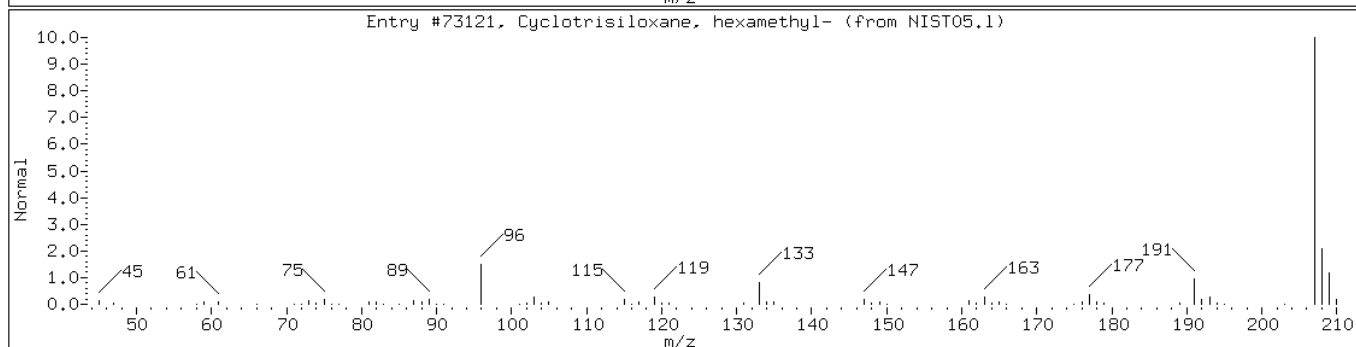
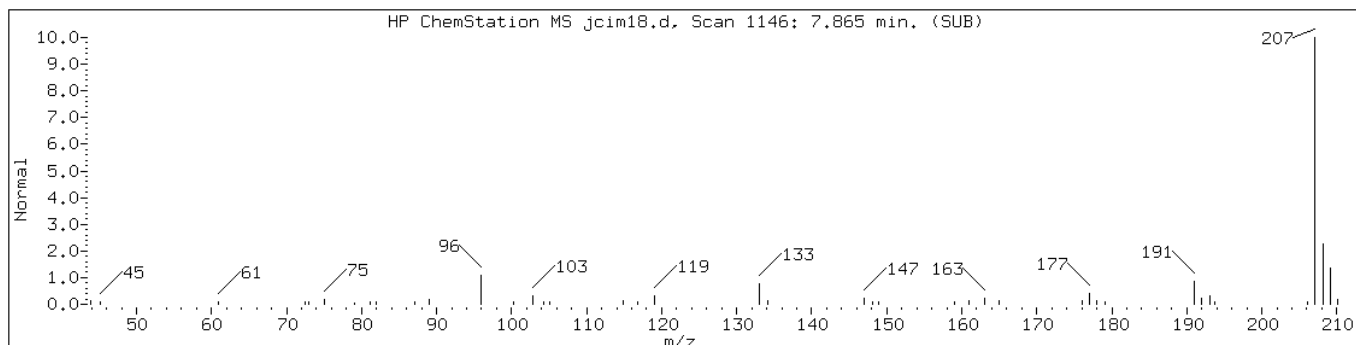
Date: 28-JAN-2011 22:30

Instrument: J.i

Operator: JH2

Retention Time: 7.87

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	87	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

Client ID: MW-5

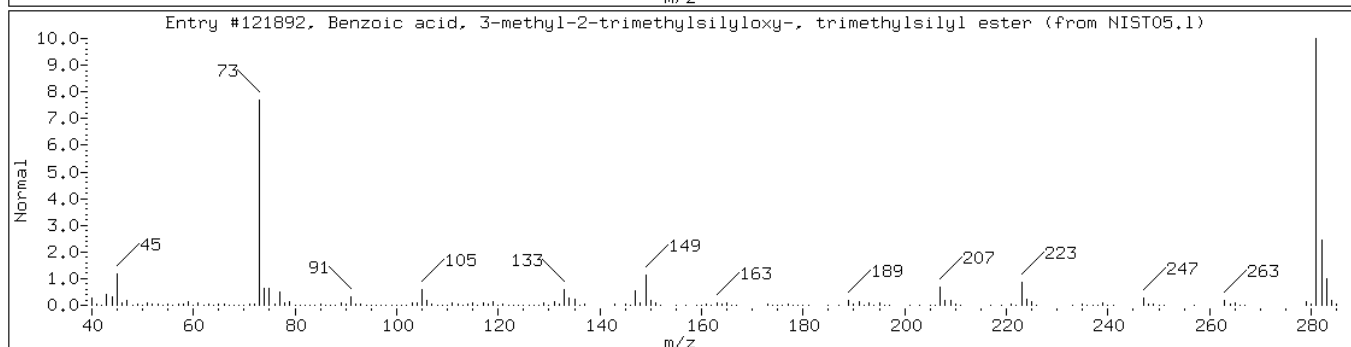
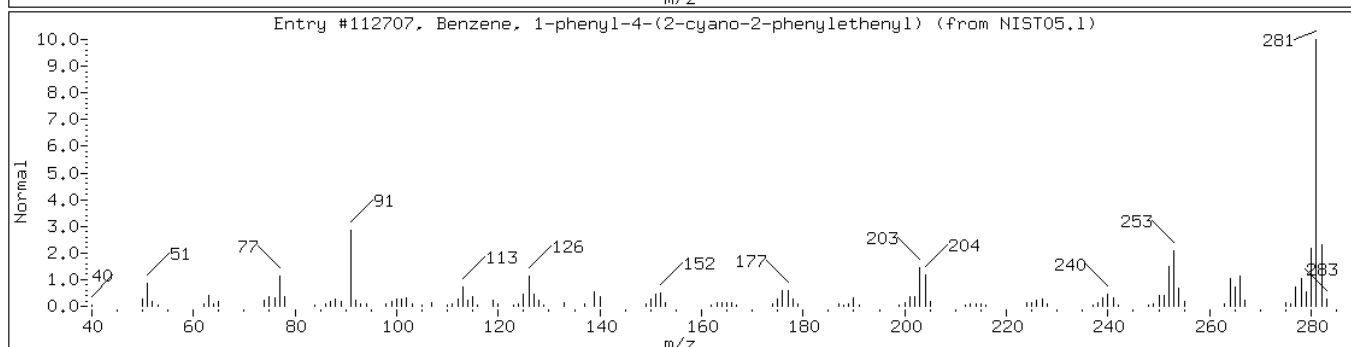
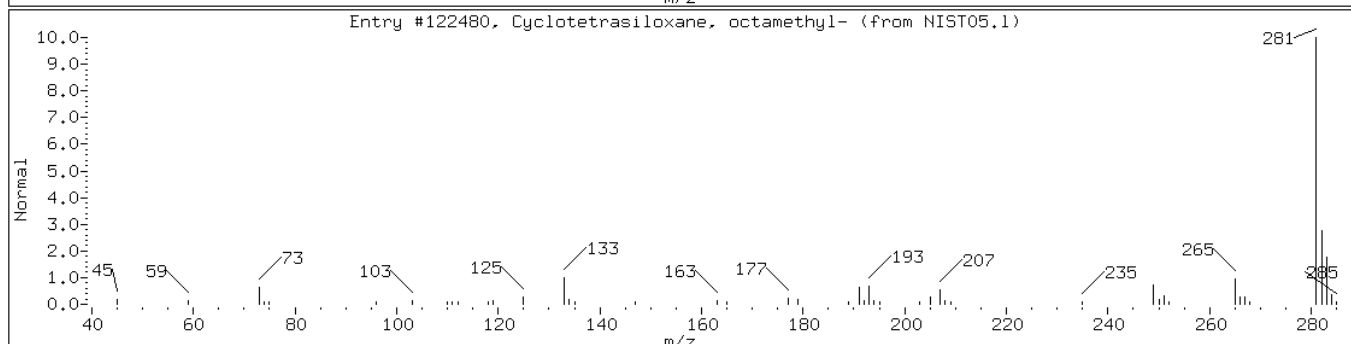
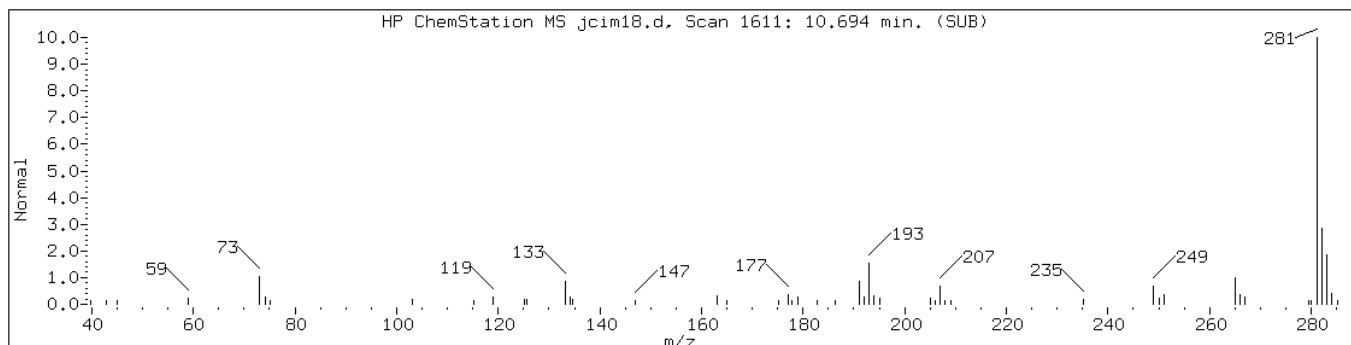
Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	90	C ₈ H ₂₄ O ₄ Si ₄	296
Benzene, 1-phenyl-4-(2-cyano-2-phe	27869-56-3	NIST05.1	112707	53	C ₂₁ H ₁₅ N	281
Benzoic acid, 3-methyl-2-trimethyl	1000153-57-1	NIST05.1	121892	53	C ₁₄ H ₂₄ O ₃ Si ₂	296



Data File: jcim18.d

Lab Sample ID: 200-3445-1

Date: 28-JAN-2011 22:30

Client ID: MW-5

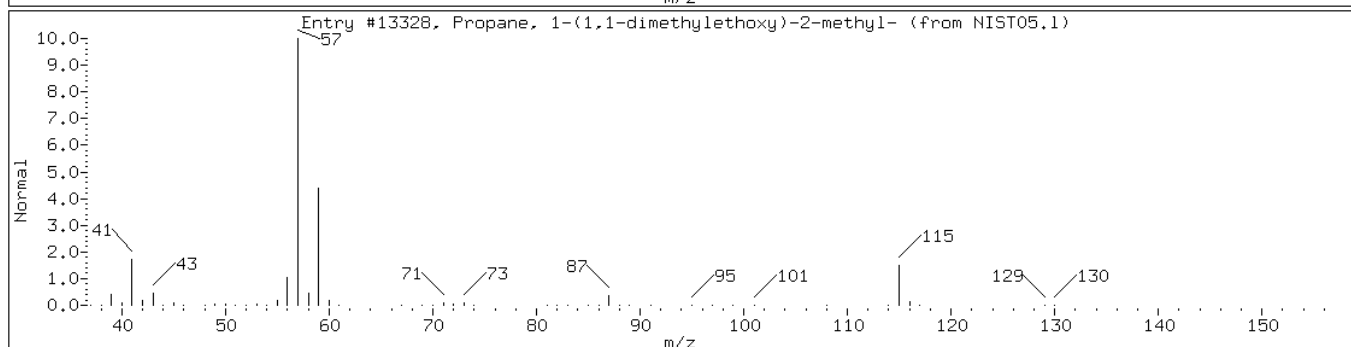
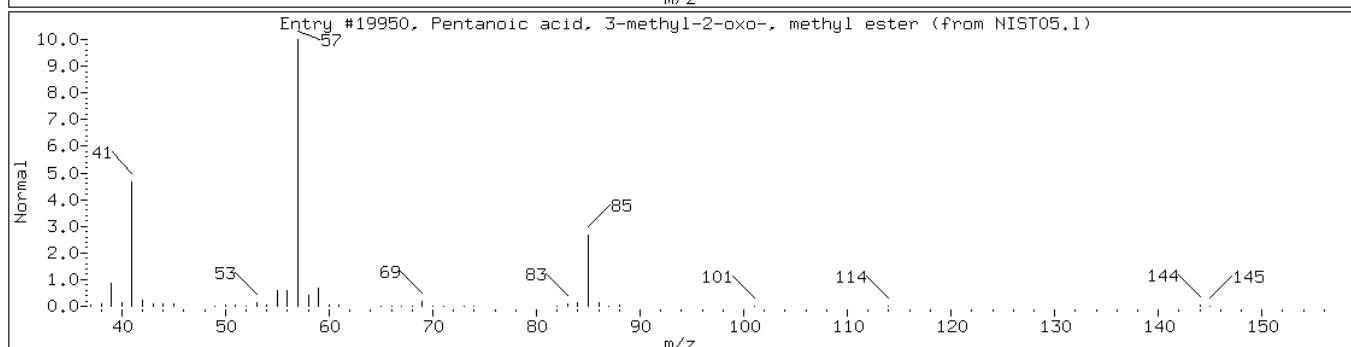
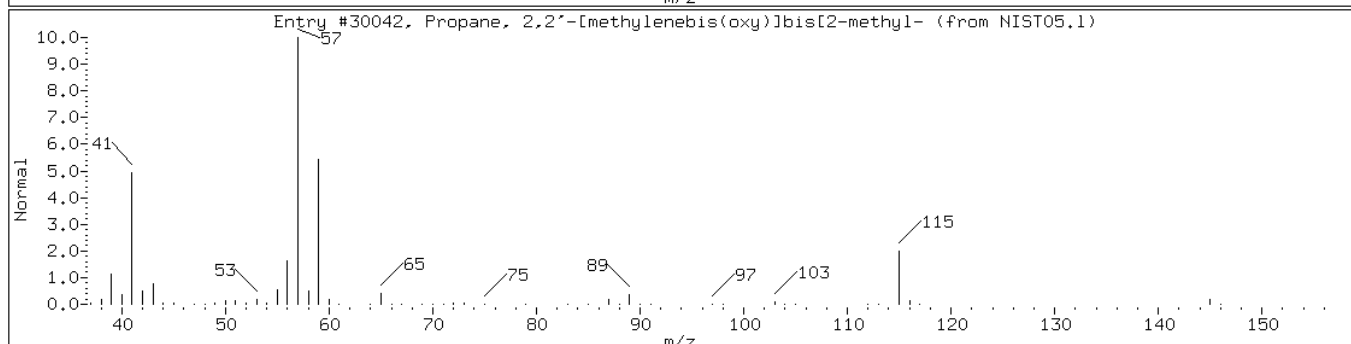
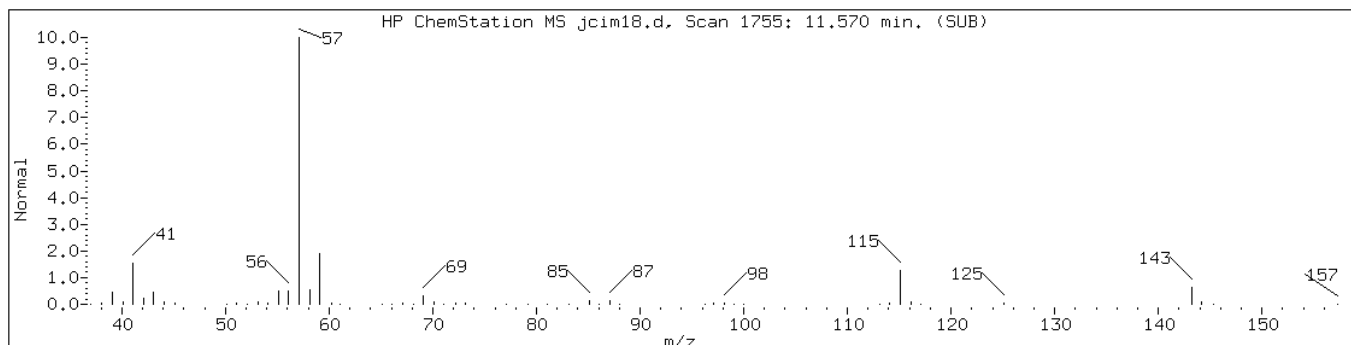
Instrument: J.i

Sample Info: 200-3445-D-1

Operator: JH2

Retention Time: 11.57

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propane, 2,2'-[methylenebis(oxy)]b	2568-93-6	NIST05.1	30042	38	C9H20O2	160
Pentanoic acid, 3-methyl-2-oxo-, m	3682-42-6	NIST05.1	19950	37	C7H12O3	144
Propane, 1-(1,1-dimethylethoxy)-2-	33021-02-2	NIST05.1	13328	37	C8H18O	130



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-1 Lab Sample ID: 200-3445-2
 Matrix: Water Lab File ID: jcim19.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 15:30
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 22:55
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	4.8	J B	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	2.2	B	0.50	0.032
75-34-3	1,1-Dichloroethane	0.22	J	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	0.94	J	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.45	J	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.24	J	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.031	J	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.067	J B	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.060	J B	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-1 Lab Sample ID: 200-3445-2
 Matrix: Water Lab File ID: jcim19.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 15:30
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 22:55
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	111		65-131
19199-91-8	Chloroethane-d5	121		71-131
22280-73-5	1,1-Dichloroethene-d2	88		55-104
24313-50-6	2-Butanone-d5	100		49-155
865-49-6	Chloroform-d	112		78-121
17060-07-0	1,2-Dichloroethane-d4	108		78-129
1076-43-3	Benzene-d6	115		77-124
93952-08-0	1,2-Dichloropropane-d6	102		79-124
2037-26-5	Toluene-d8	113		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	112		73-121
4840-82-8	2-Hexanone-d5	108		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	109		73-125
2199-69-1	1,2-Dichlorobenzene-d4	110		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-1 Lab Sample ID: 200-3445-2
Matrix: Water Lab File ID: jcim19.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 15:30
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 22:55
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L
Number TICs Found: 5 TIC Result Total: 15.29

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Trimethylsilyl fluoride	1.75	2.6	J N
	Unknown	6.92	3.2	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.63	B J N
	Unknown siloxane derivative	10.69	0.62	B J
	Unknown	11.57	7.7	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-1 Lab Sample ID: 200-3445-2
Matrix: Water Lab File ID: jcim19.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 15:30
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 22:55
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		14	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-2
Client Smp ID: MW-1
Inj Date : 28-JAN-2011 22:55
Operator : JH2
Smp Info : 200-3445-D-2
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmt.r.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 38
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ng)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	95353	138.716	5.5
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.928	1.927	(0.344)	86191	151.621	6.1
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.536	(0.452)	136626	109.468	4.4
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.591	2.584	(0.463)	4467	120.611	4.8(a)
13 Carbon disulfide	76							
14 Methyl acetate	43							
15 Methylene chloride	84							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96		Compound Not Detected.				
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	36868	54.4747	2.2
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	5239	5.39525	0.22(a)
\$ 19 2-Butanone-d5	46	4.179	4.172	(0.747)	61149	1246.10	50
20 cis-1,2-Dichloroethene	96		Compound Not Detected.				
21 2-Butanone	43	4.252	4.239	(0.760)	1102	23.3988	0.94(a)
22 Bromochloromethane	128		Compound Not Detected.				
\$ 23 Chloroform-d	84	4.537	4.537	(0.811)	144903	139.814	5.6(Q)
24 Chloroform	83	4.562	4.562	(0.815)	10920	11.2888	0.45(a)
25 1,1,1-Trichloroethane	97	4.756	4.756	(0.532)	5733	5.96053	0.24(a)
26 Cyclohexane	56		Compound Not Detected.				
27 Carbon tetrachloride	117		Compound Not Detected.				
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	49050	134.786	5.4
\$ 29 Benzene-d6	84	5.121	5.121	(0.573)	310178	143.204	5.7
30 Benzene	78	5.170	5.164	(0.578)	1712	0.77563	0.031(a)
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	250349	125.000	
33 Trichloroethene	95	5.888	5.876	(0.658)	1005	1.66379	0.067(aQ)
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	70065	127.860	5.1
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
37 Bromodichloromethane	83		Compound Not Detected.				
38 cis-1,3-Dichloropropene	75		Compound Not Detected.				
39 4-Methyl-2-pentanone	43		Compound Not Detected.				
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	288066	141.844	5.7
41 Toluene	91		Compound Not Detected.				
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	54119	140.155	5.6
43 trans-1,3-Dichloropropene	75		Compound Not Detected.				
44 1,1,2-Trichloroethane	97		Compound Not Detected.				
45 Tetrachloroethene	164	7.962	7.962	(0.890)	837	1.50812	0.060(aQ)
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)	48869	1345.07	54
47 2-Hexanone	43		Compound Not Detected.				
48 Dibromochloromethane	129		Compound Not Detected.				
49 1,2-Dibromoethane	107		Compound Not Detected.				
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	201884	125.000	
51 Chlorobenzene	112		Compound Not Detected.				
52 Ethylbenzene	91		Compound Not Detected.				
53 m,p-Xylene	106		Compound Not Detected.				
54 Styrene	104		Compound Not Detected.				
55 o-Xylene	106		Compound Not Detected.				
56 Bromoform	172		Compound Not Detected.				
57 Isopropylbenzene	105		Compound Not Detected.				
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	29393	135.825	5.4
59 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				
60 1,3-Dichlorobenzene	146		Compound Not Detected.				
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	98872	125.000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	80912	137.818	5.5(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-2
Client Smp ID: MW-1
Inj Date : 28-JAN-2011 22:55
Operator : JH2
Smp Info : 200-3445-D-2
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 38
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

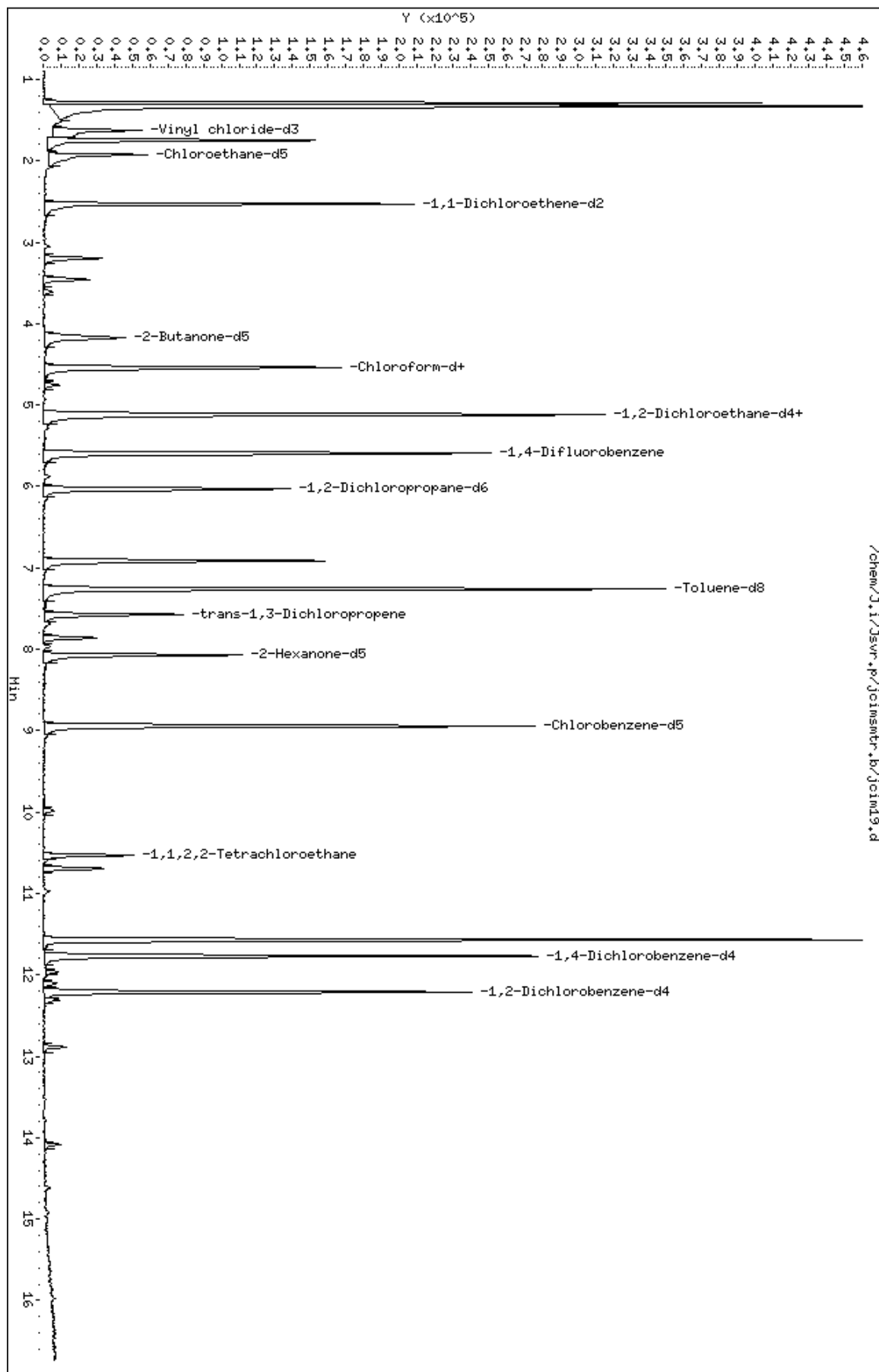
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	553381	125.000
* 50 Chlorobenzene-d5	8.942	580780	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	576122	125.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Trimethylsilyl fluoride					CAS #: 420-56-4		
1.745	283518	64.0421004	2.6	90	NIST05.1	2373	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
====	====	=====	=====	====	=====	=====	=====
Unknown alkane					CAS #:		
3.455	59776	13.5024477	0.54	0		0	32
Unknown					CAS #:		
6.916	353155	79.7719532	3.2	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.859	73280	15.7719527	0.63	91	NIST05.l	73121	50
Unknown siloxane derivative					CAS #:		
10.694	71562	15.5266109	0.62	0		0	61
Unknown					CAS #:		
11.570	889196	192.926654	7.7	0		0	61

Data File: /chem/J.i/Jswr.p/joismtr.b/joim19.d
 Date : 28-JAN-2011 22:55
 Client ID: MM-1
 Sample Info: 200-3445-D-2
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

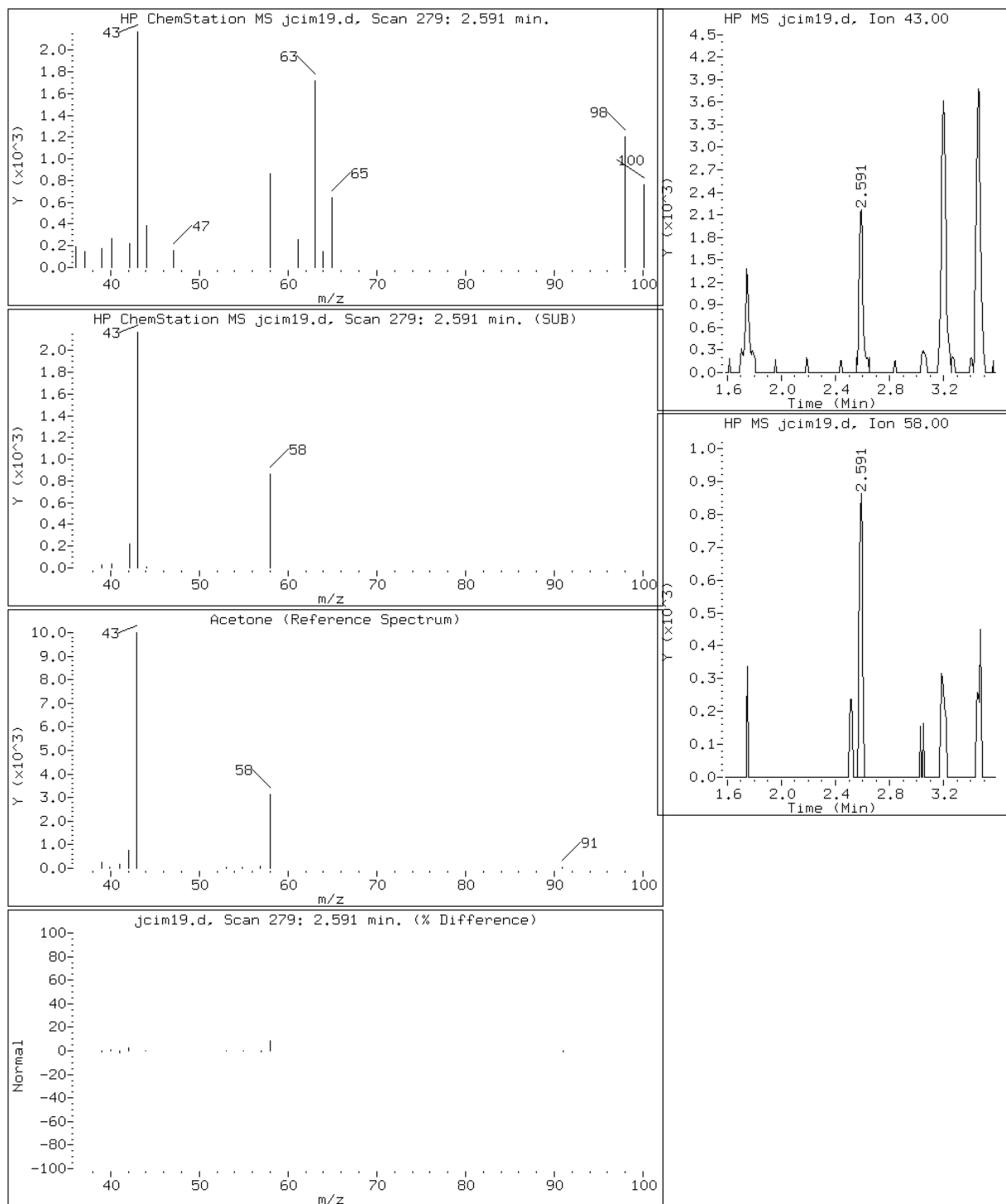
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

12 Acetone



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

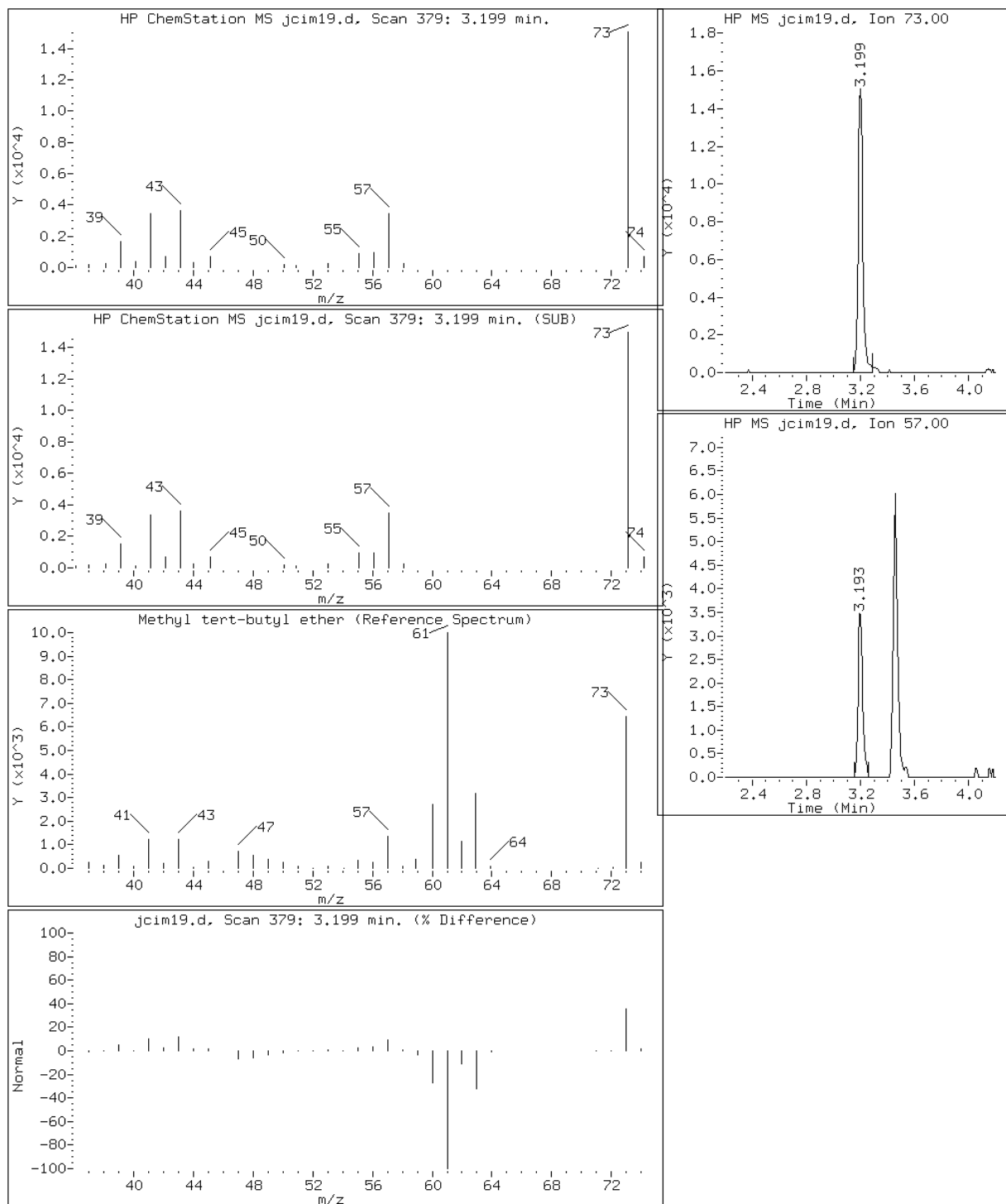
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

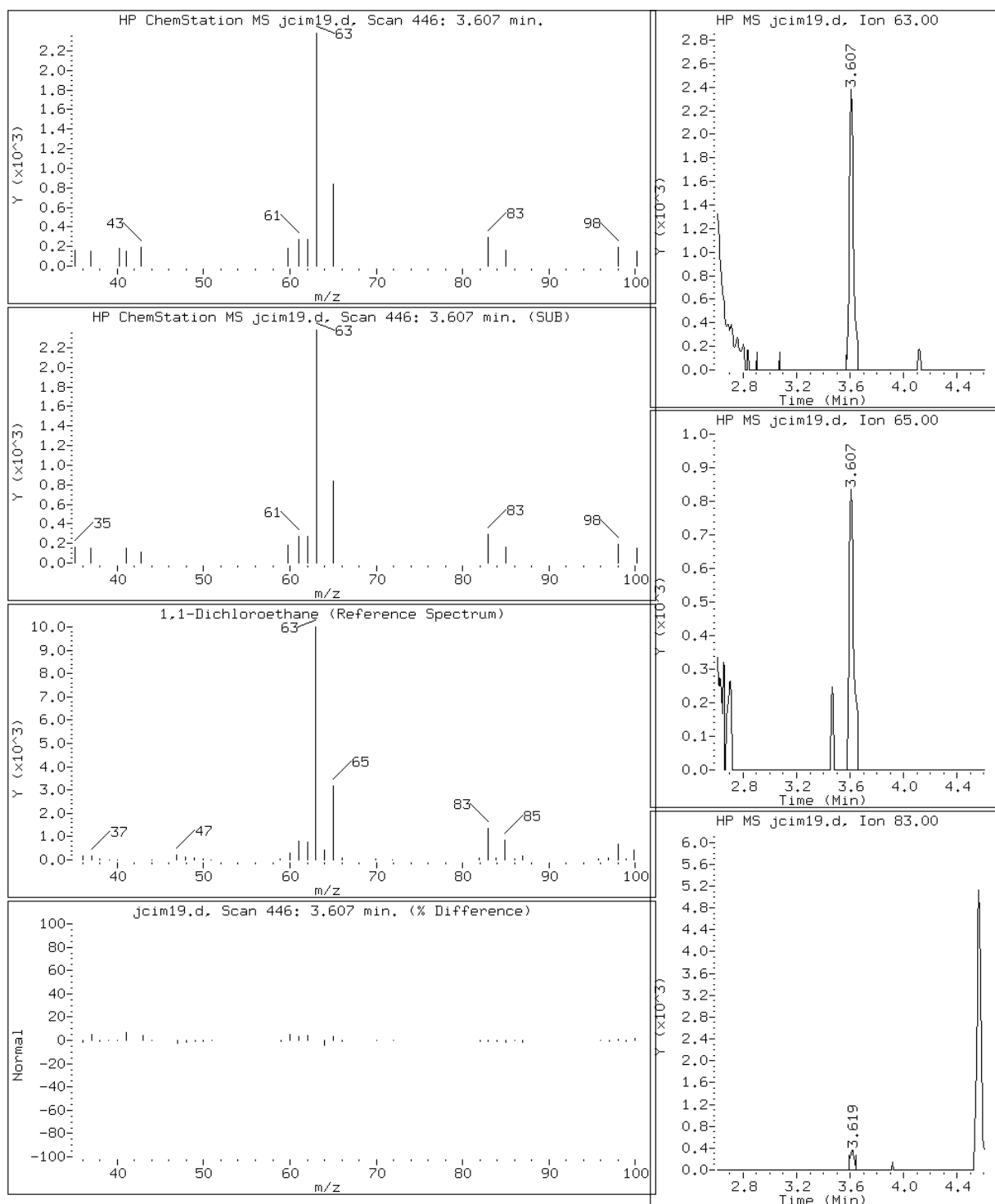
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

18 1,1-Dichloroethane



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

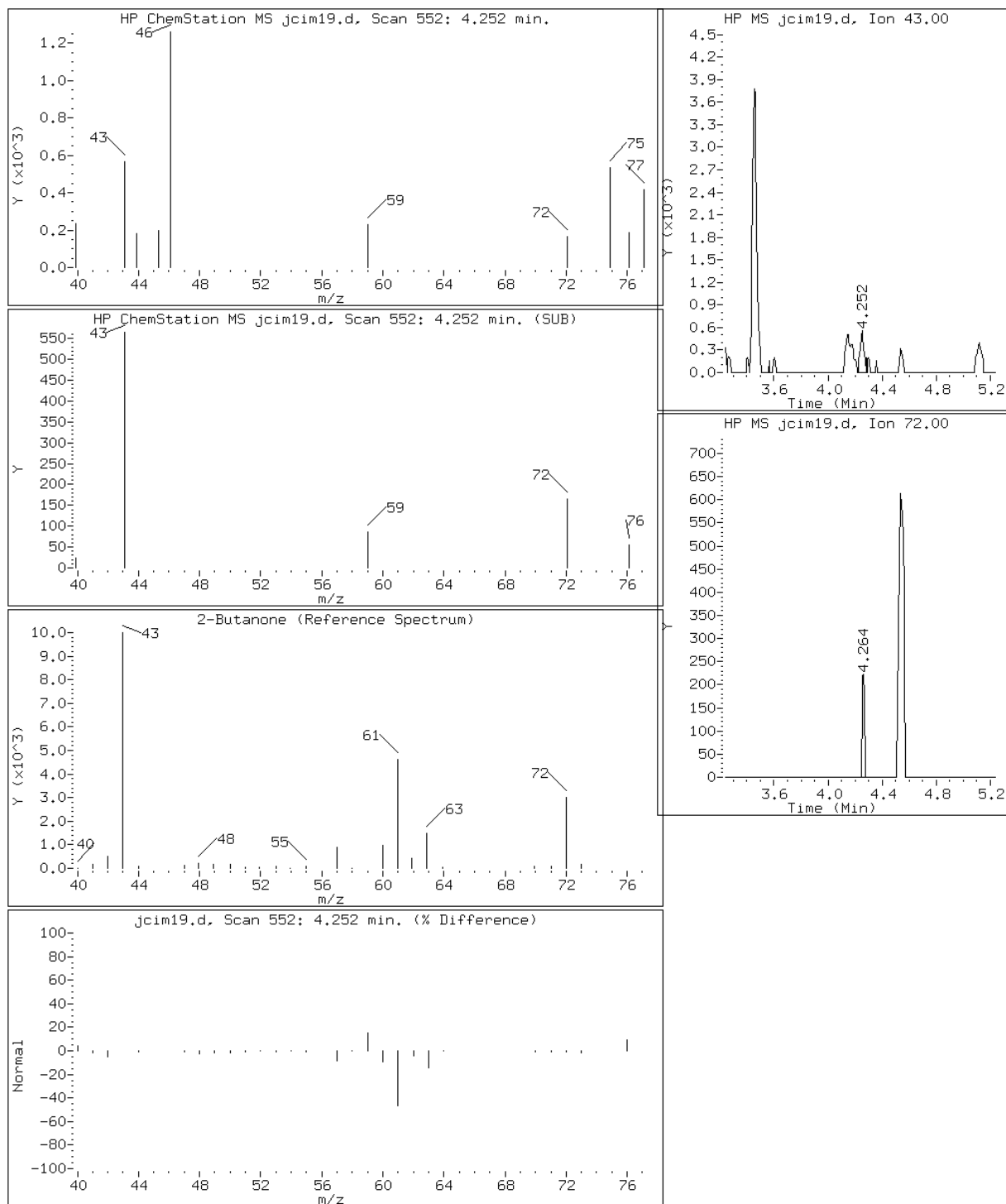
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

21 2-Butanone



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

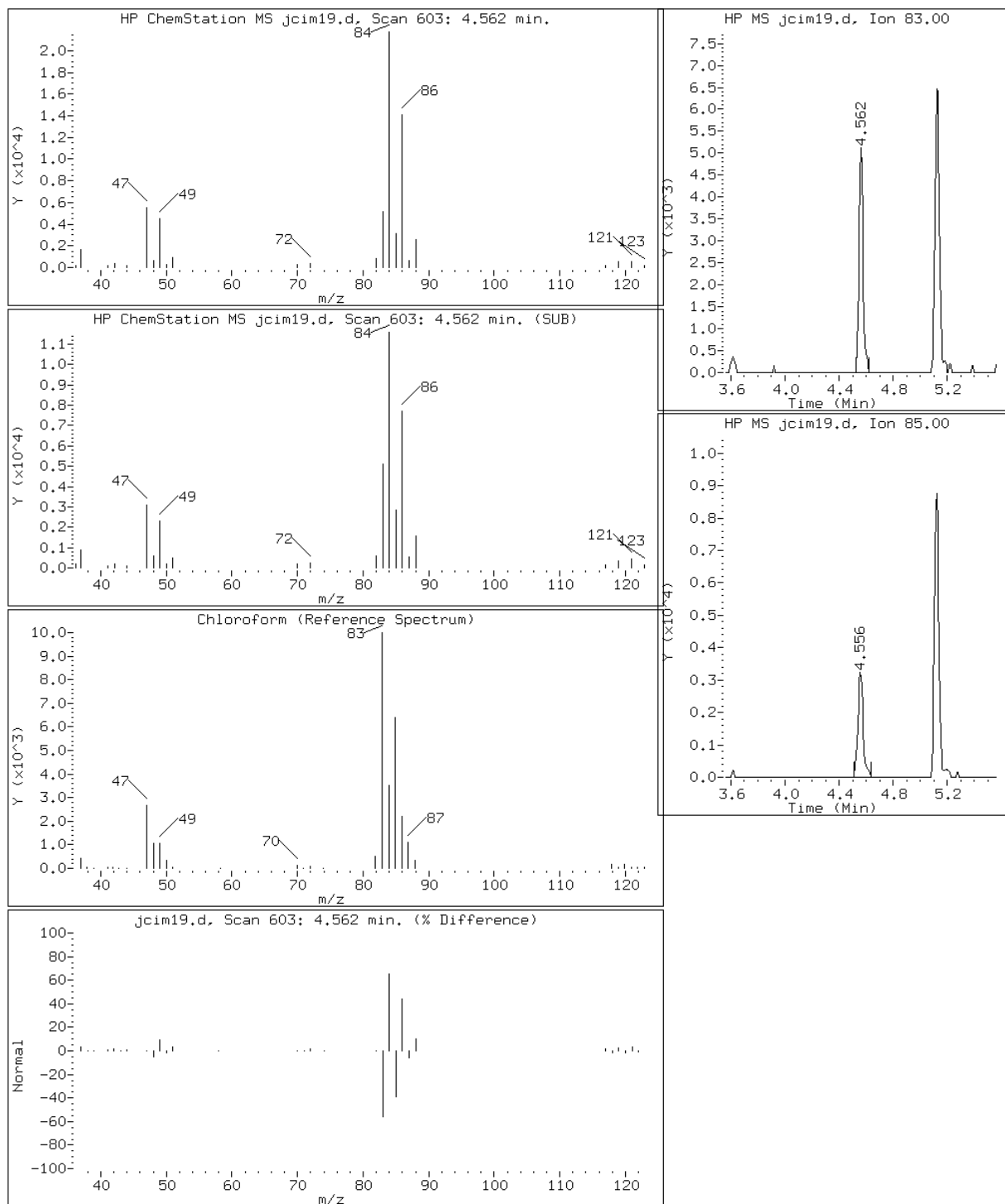
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

24 Chloroform



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

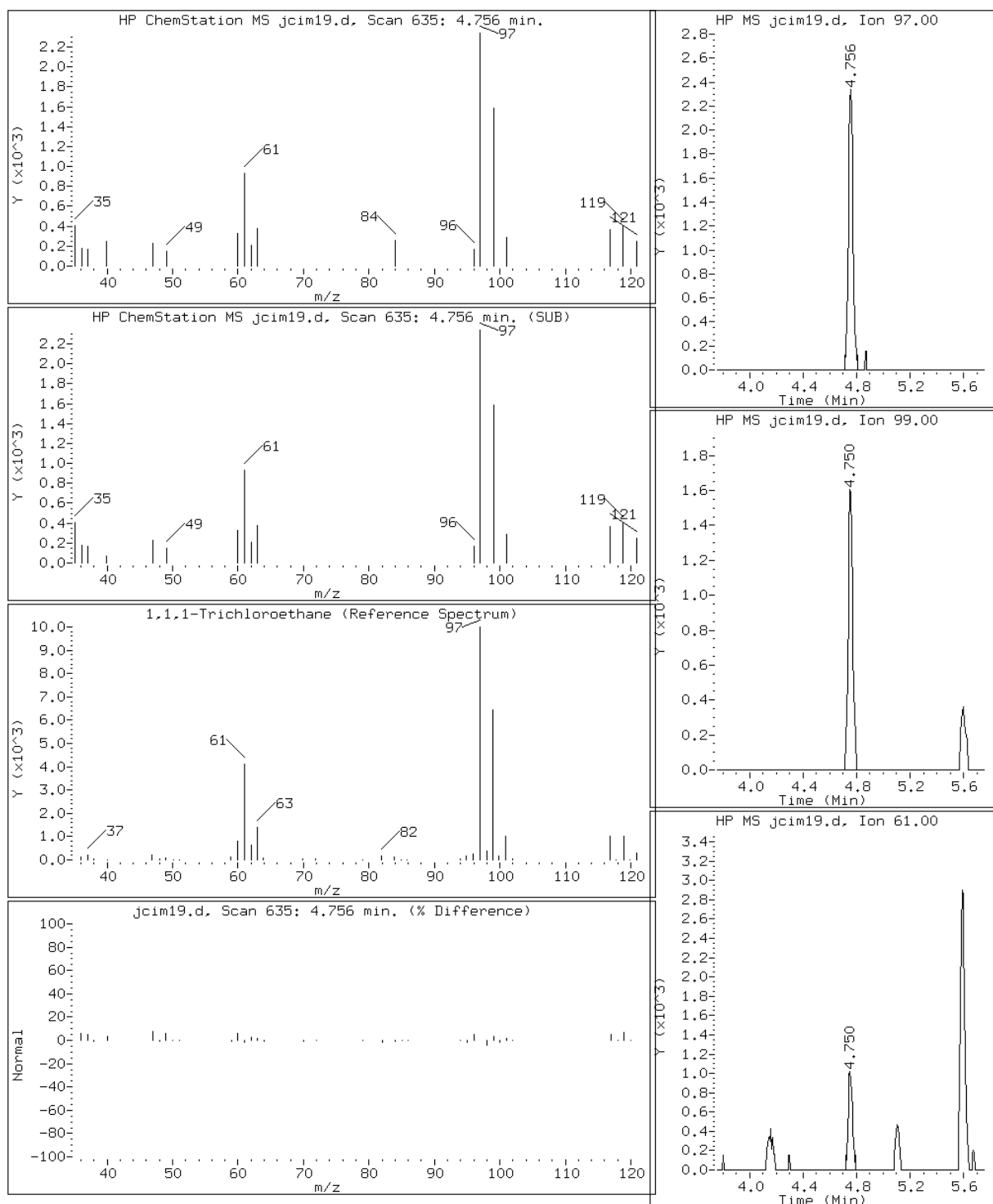
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

25 1,1,1-Trichloroethane



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

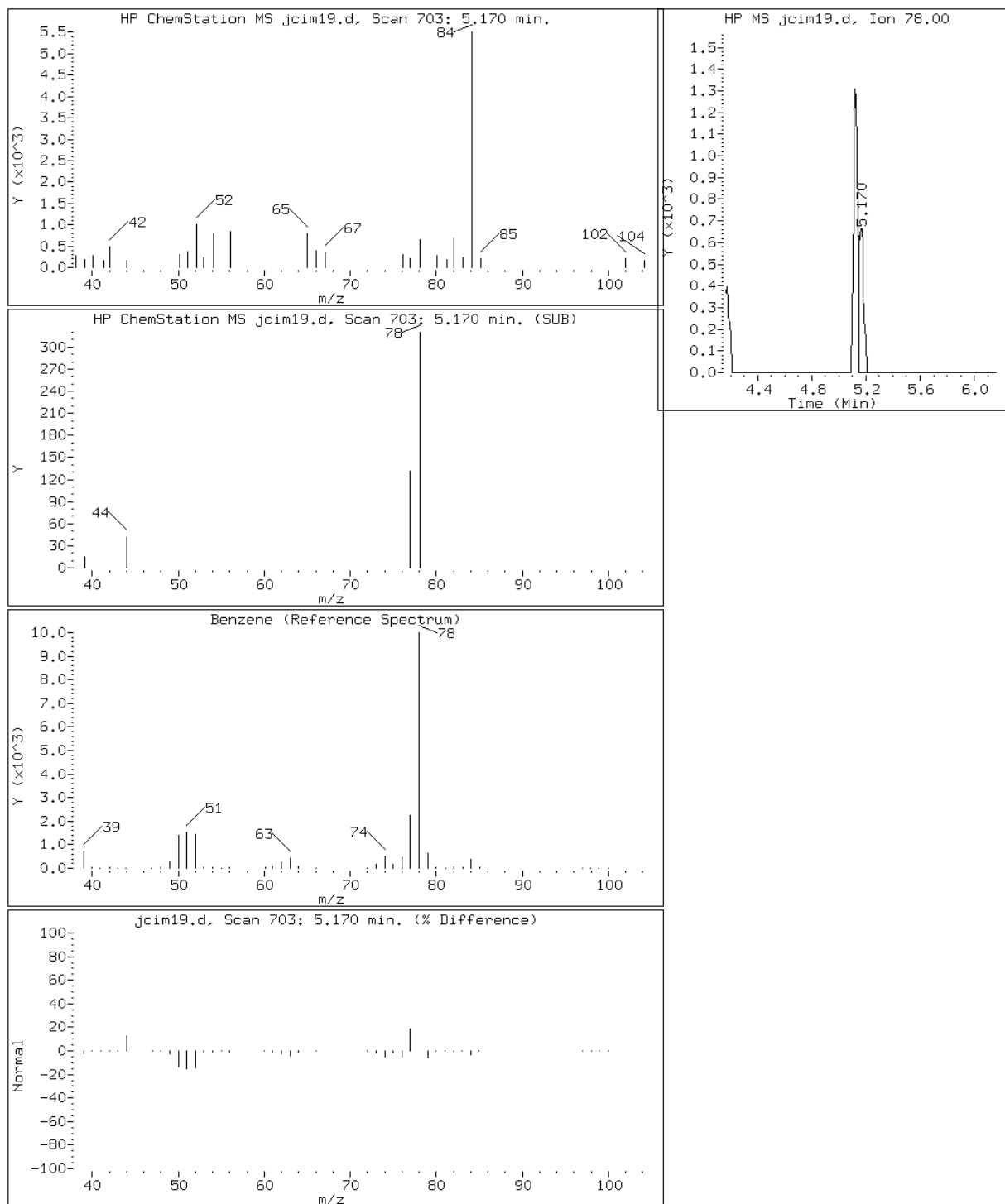
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

30 Benzene



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

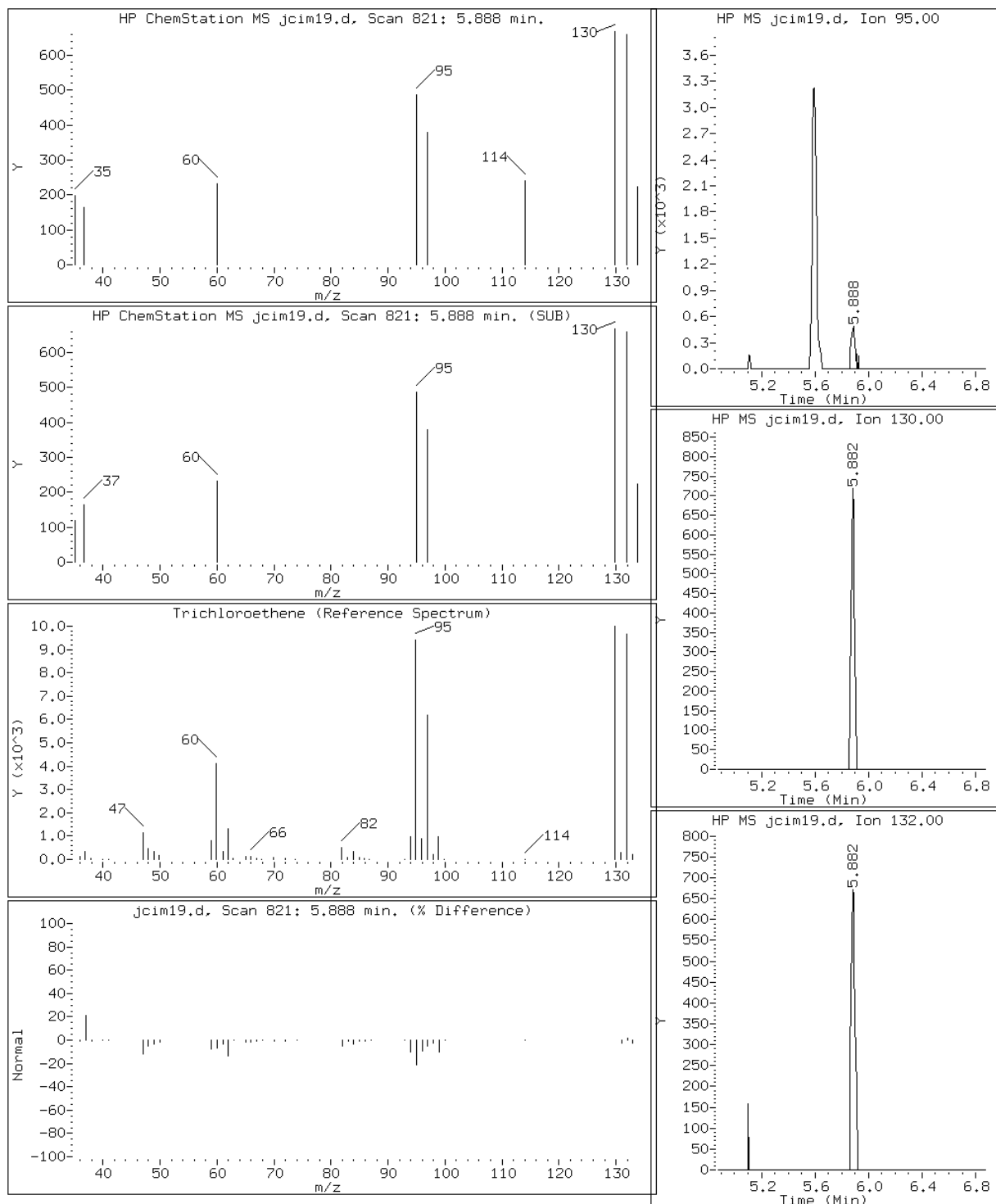
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

33 Trichloroethene



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

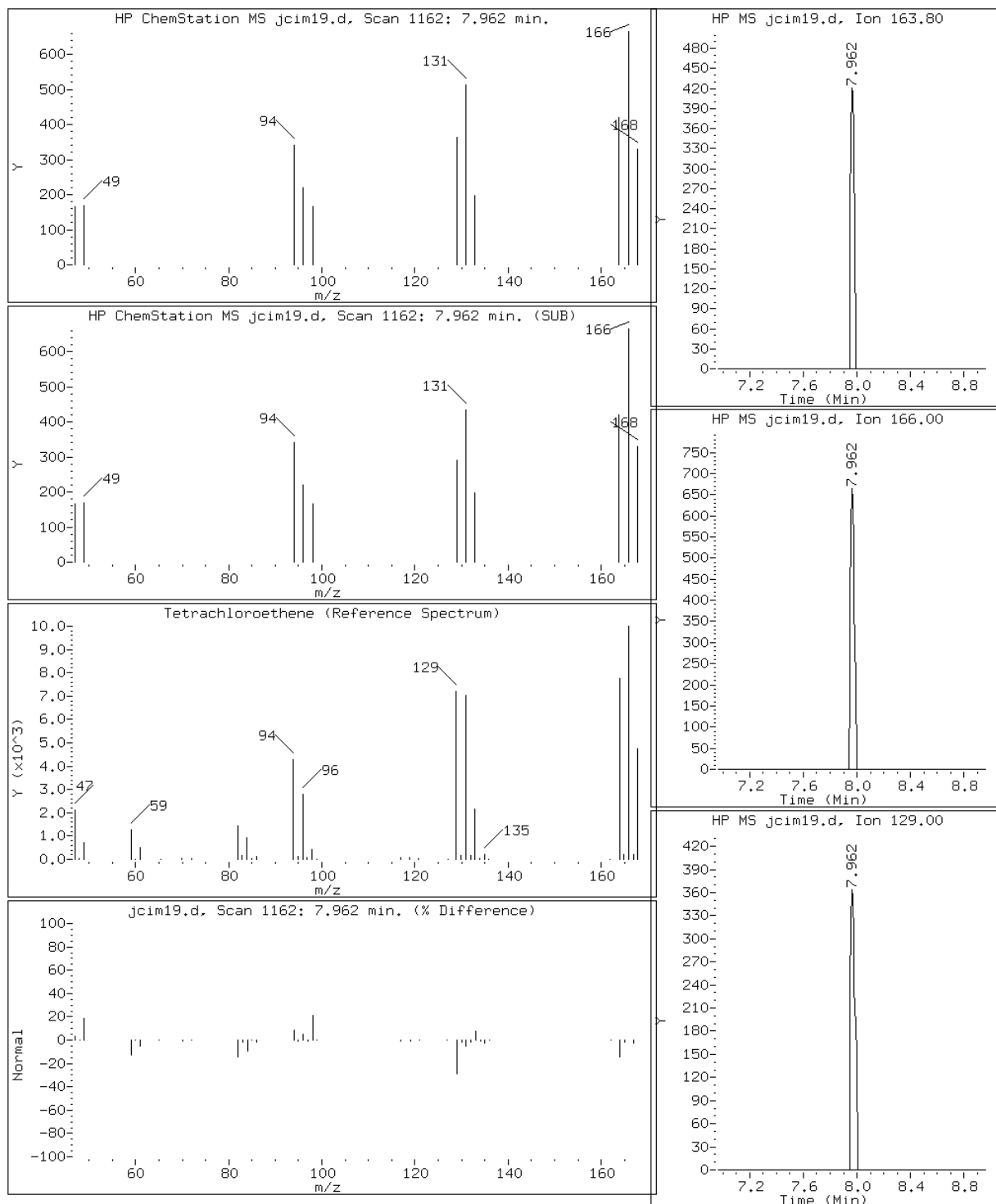
Client ID: MW-1

Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

45 Tetrachloroethene



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Client ID: MW-1

Sample Info: 200-3445-D-2

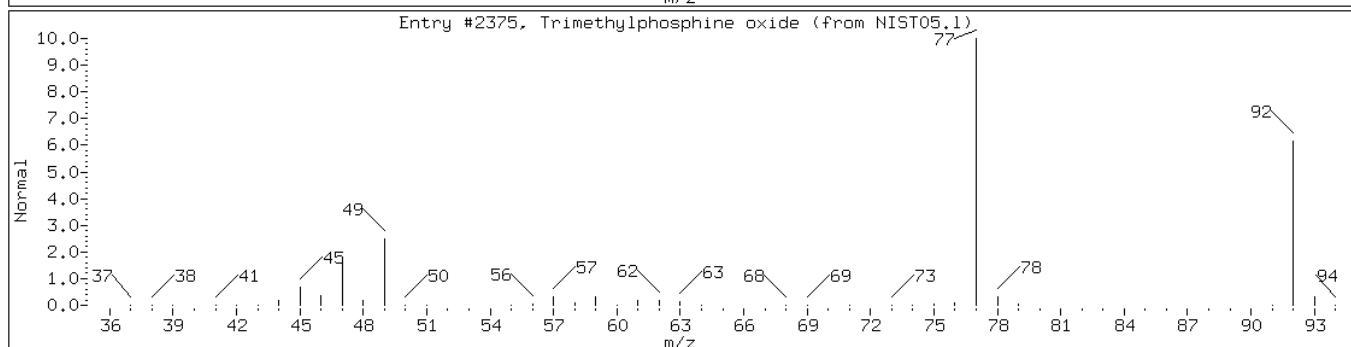
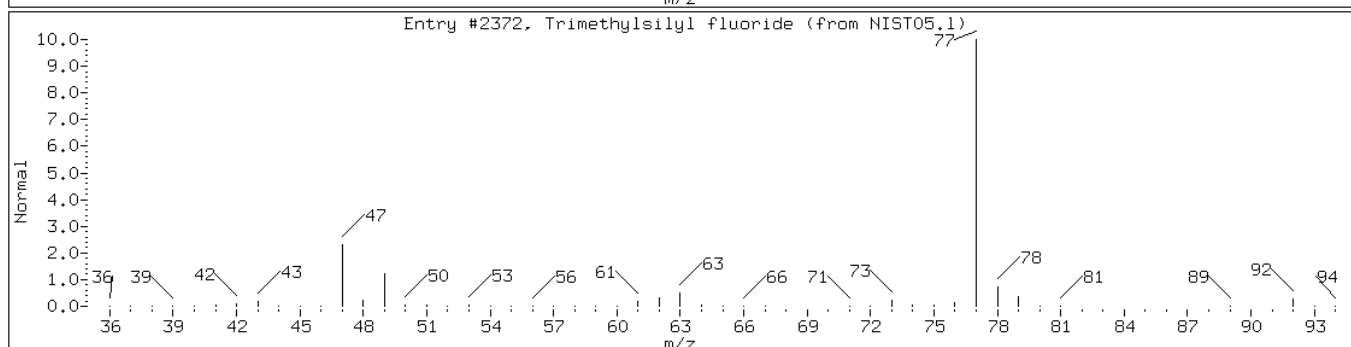
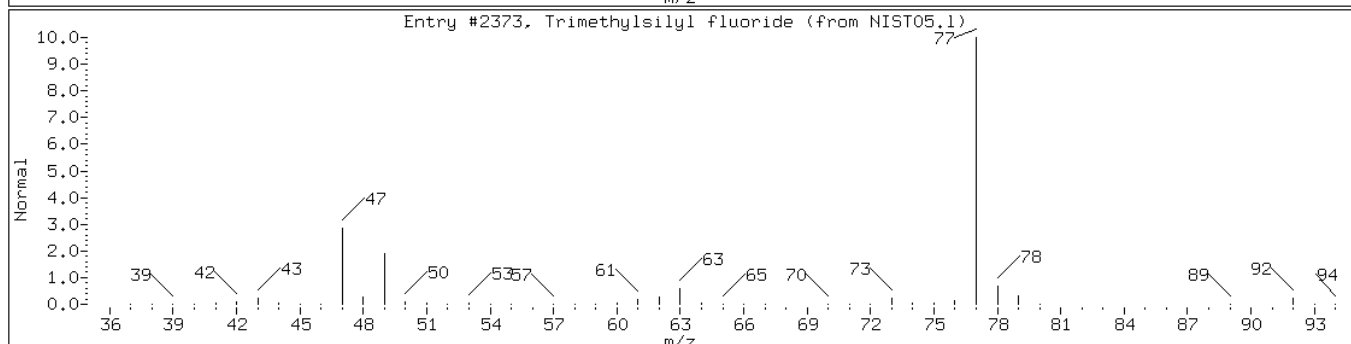
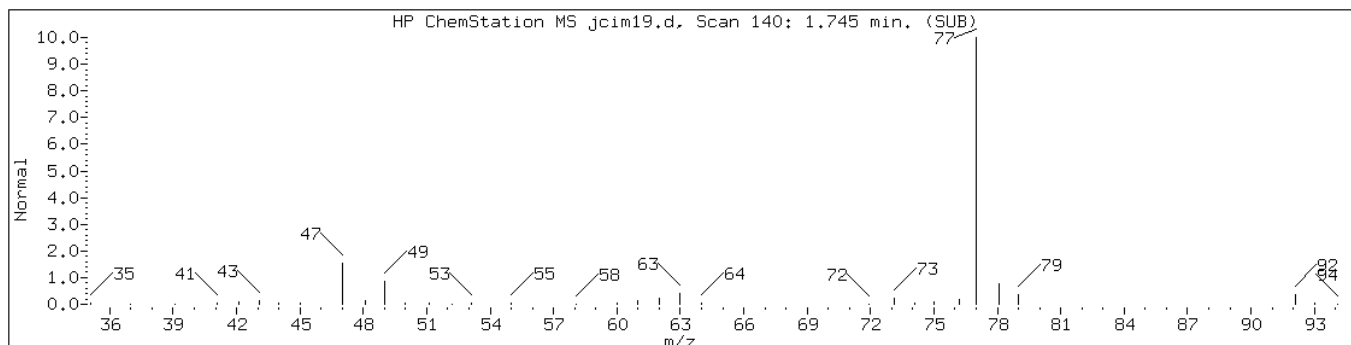
Date: 28-JAN-2011 22:55

Instrument: J.i

Operator: JH2

Retention Time: 1.75

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	90	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	87	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	39	C3H9OP	92



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

Client ID: MW-1

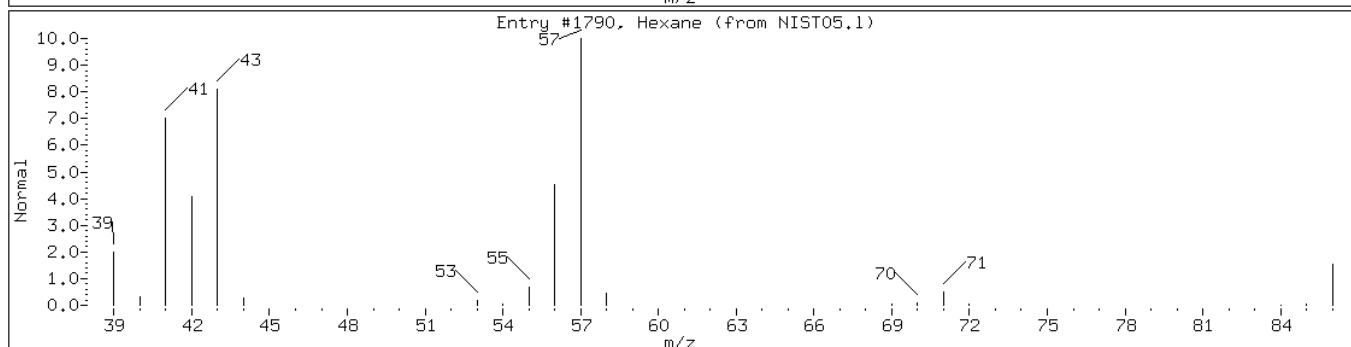
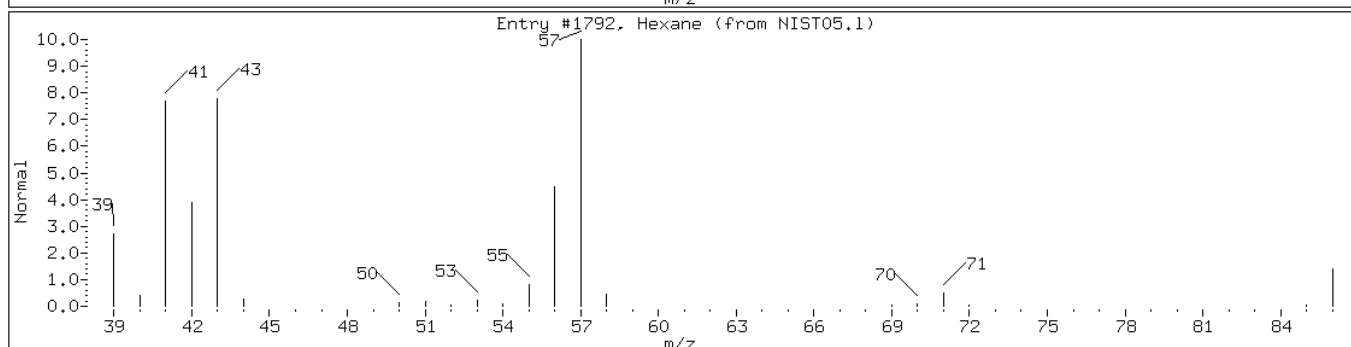
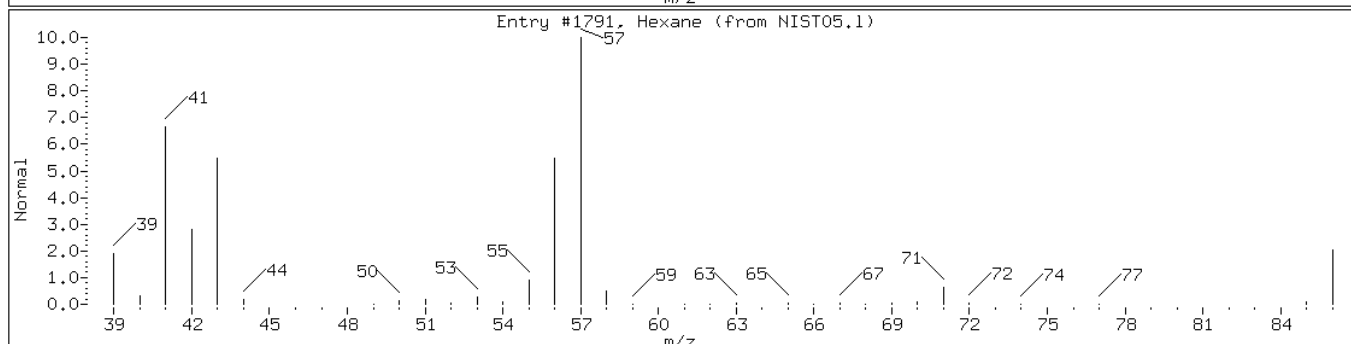
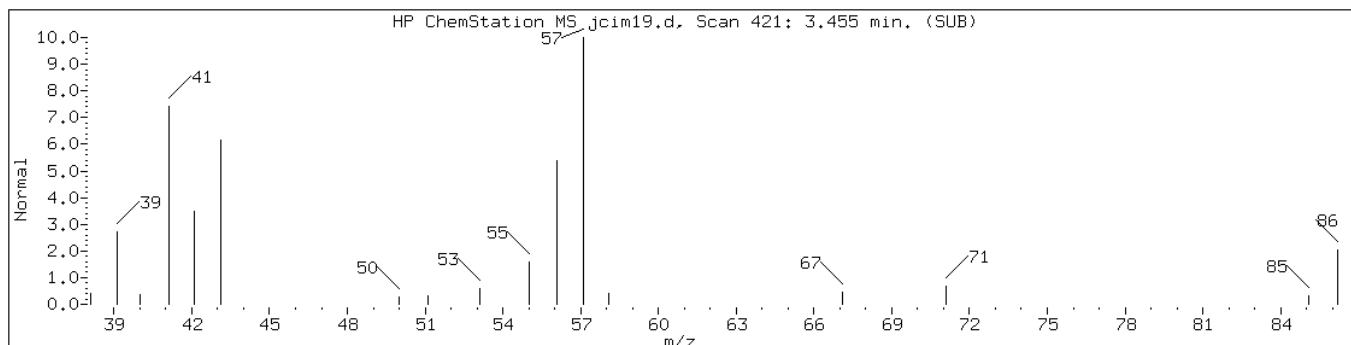
Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	87	C6H14	86
Hexane	110-54-3	NIST05.1	1792	59	C6H14	86
Hexane	110-54-3	NIST05.1	1790	59	C6H14	86



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Date: 28-JAN-2011 22:55

Client ID: MW-1

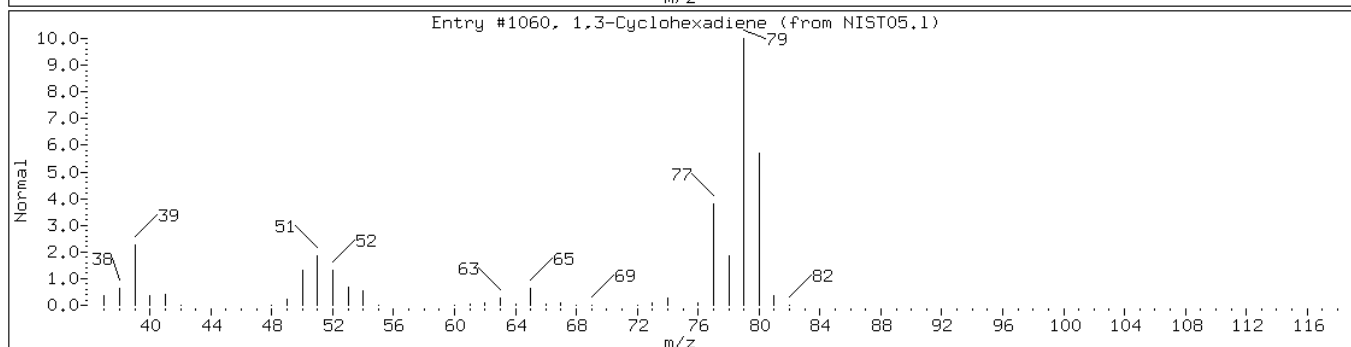
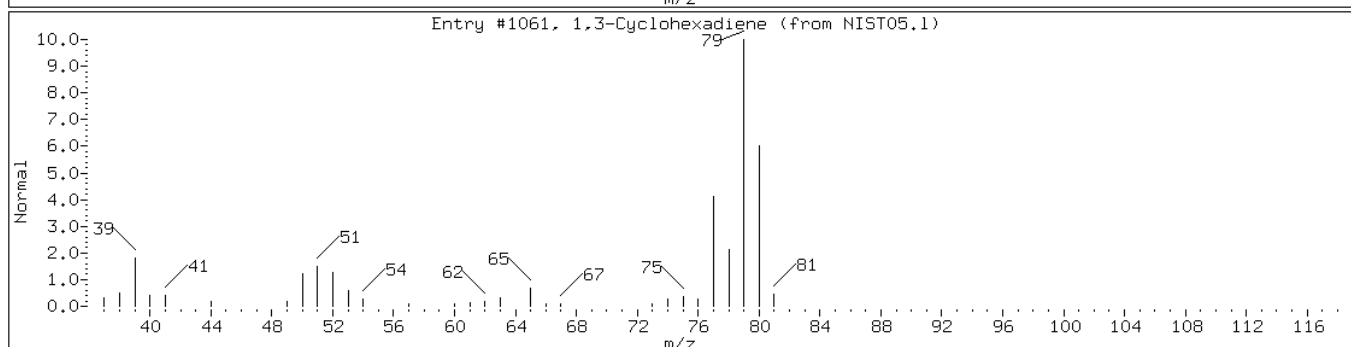
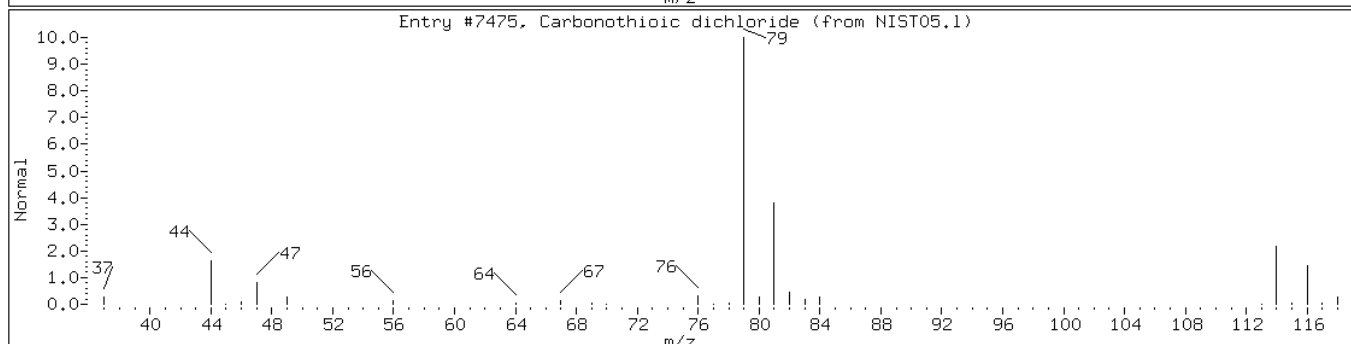
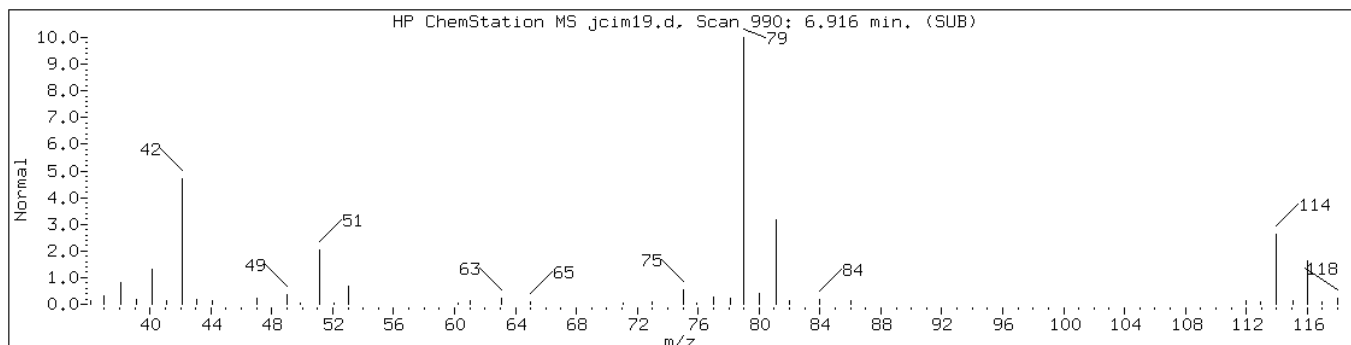
Instrument: J.i

Sample Info: 200-3445-D-2

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	37	C6H8	80
1,3-Cyclohexadiene	592-57-4	NIST05.1	1060	25	C6H8	80



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Client ID: MW-1

Sample Info: 200-3445-D-2

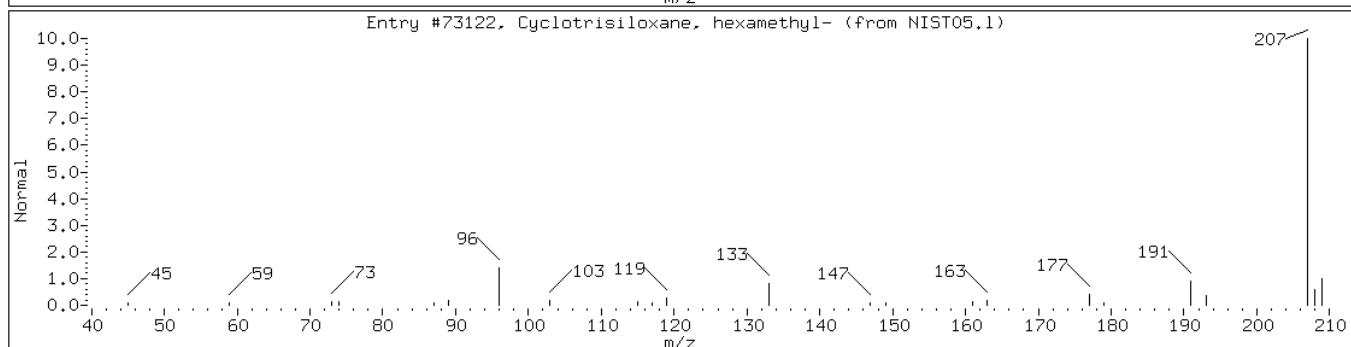
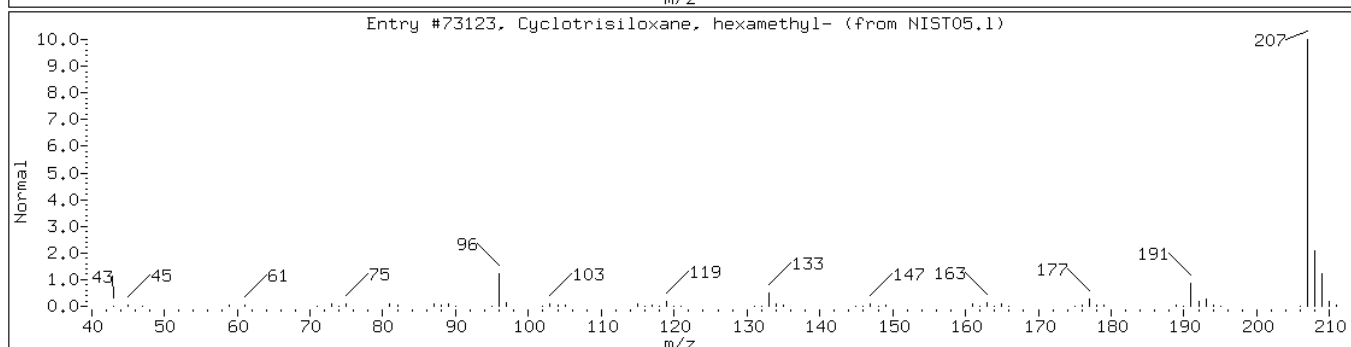
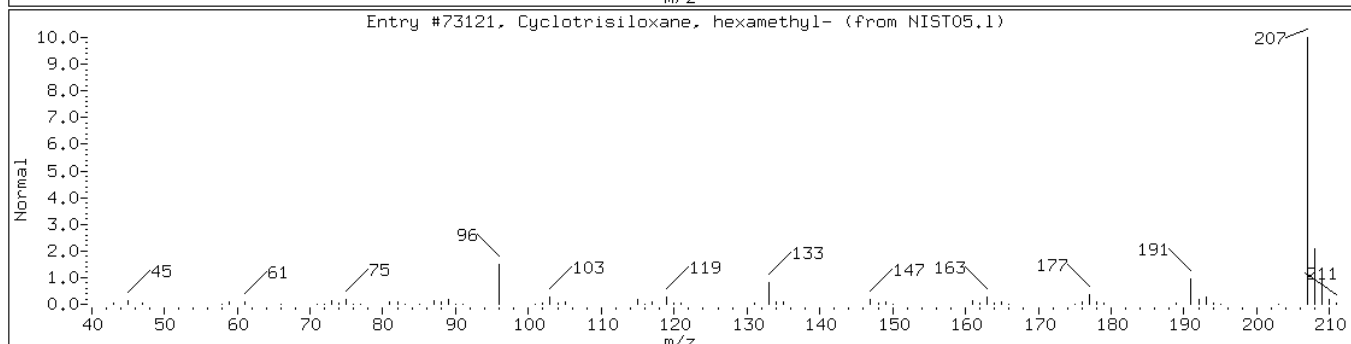
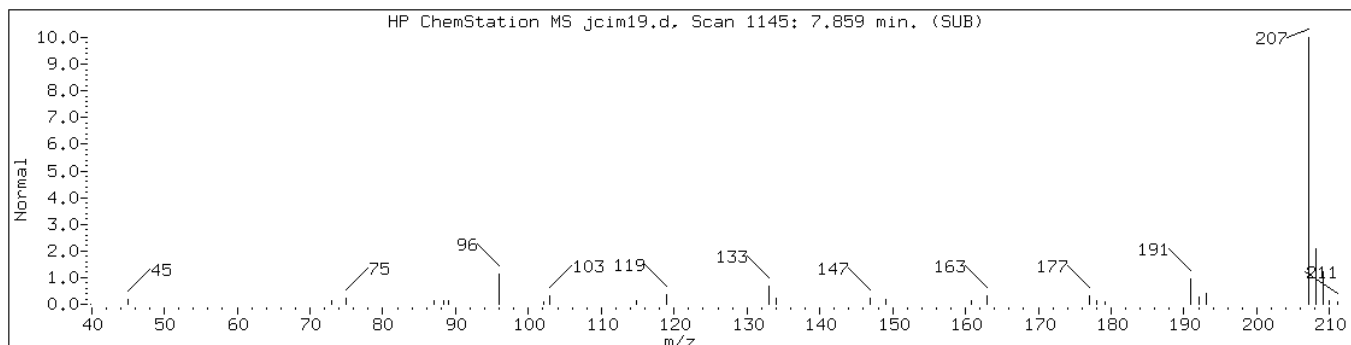
Date: 28-JAN-2011 22:55

Instrument: J.i

Operator: JH2

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C ₆ H ₁₈ O ₃ Si ₃	222



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Client ID: MW-1

Sample Info: 200-3445-D-2

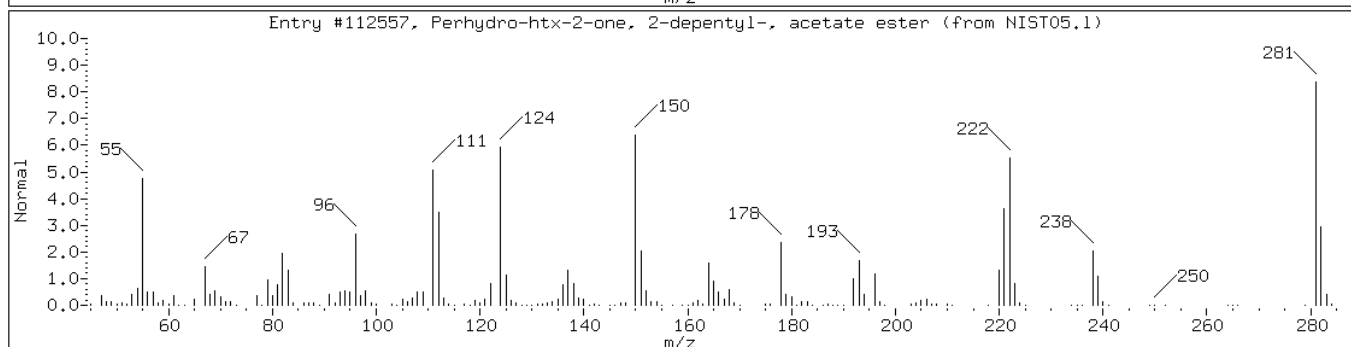
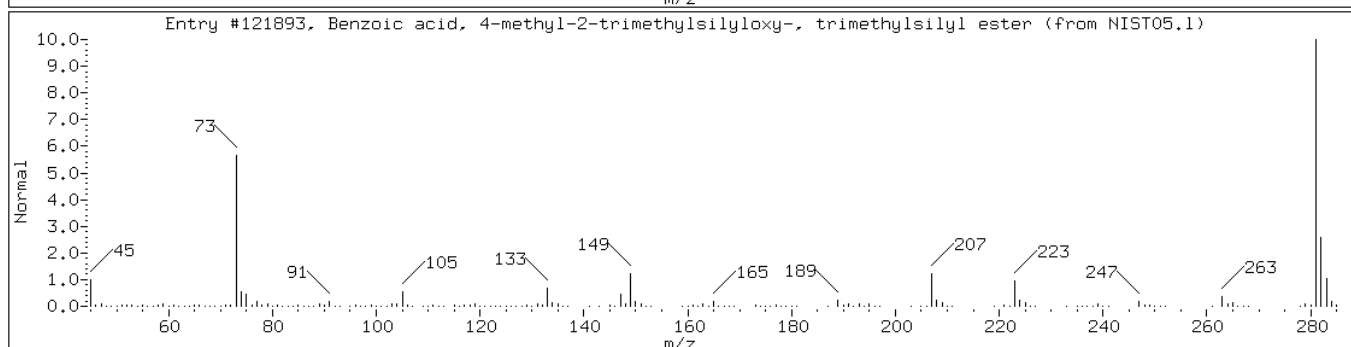
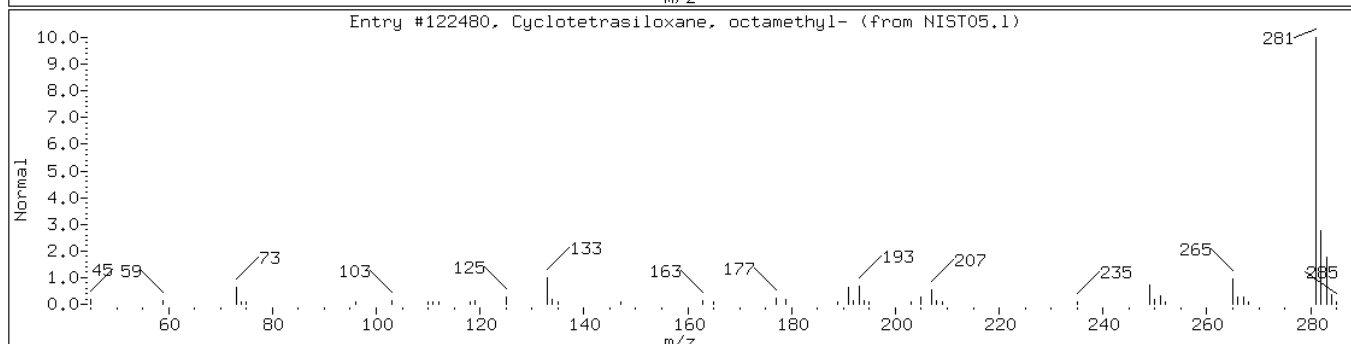
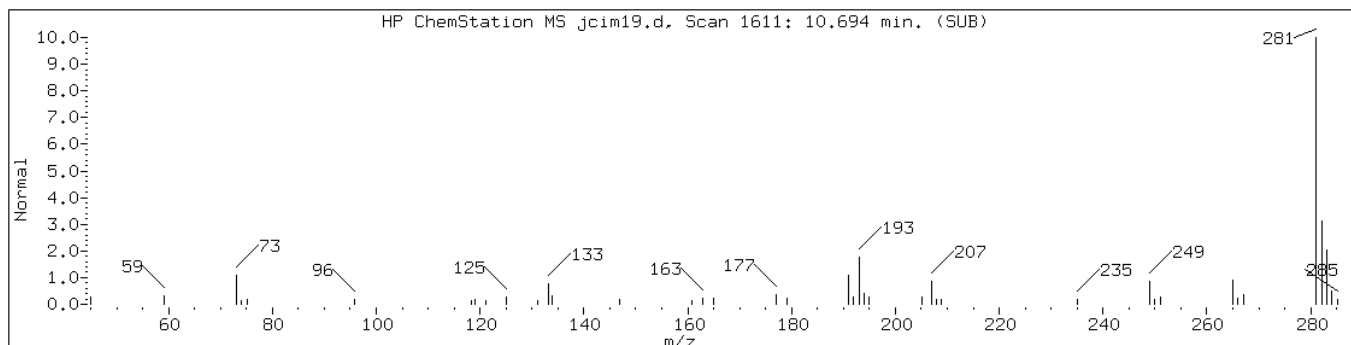
Date: 28-JAN-2011 22:55

Instrument: J.i

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	83	C ₈ H ₂₄ O ₄ Si ₄	296
Benzoic acid, 4-methyl-2-trimethyl	1000153-59-3	NIST05.1	121893	53	C ₁₄ H ₂₄ O ₃ Si ₂	296
Perhydro-hx-2-one, 2-depenty-, a	80090-53-5	NIST05.1	112557	43	C ₁₆ H ₂₇ N ₀ O ₃	281



Data File: jcim19.d

Lab Sample ID: 200-3445-2

Client ID: MW-1

Sample Info: 200-3445-D-2

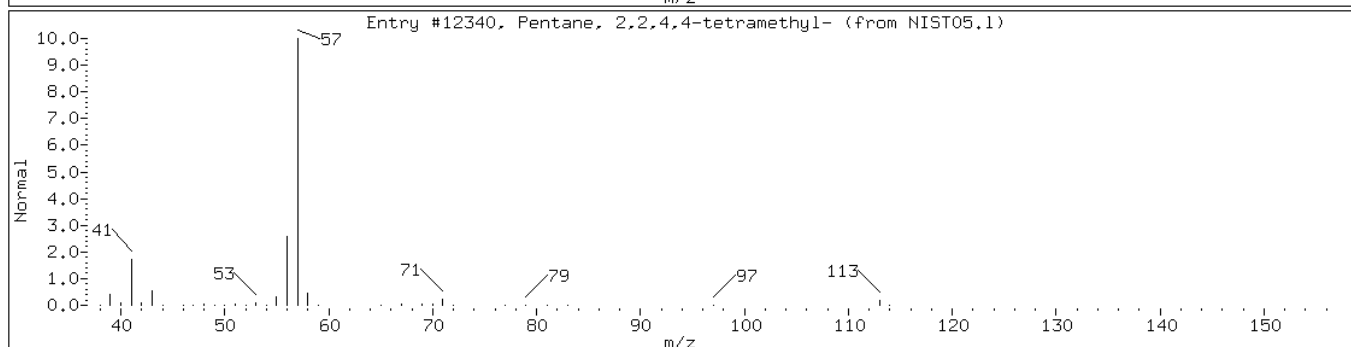
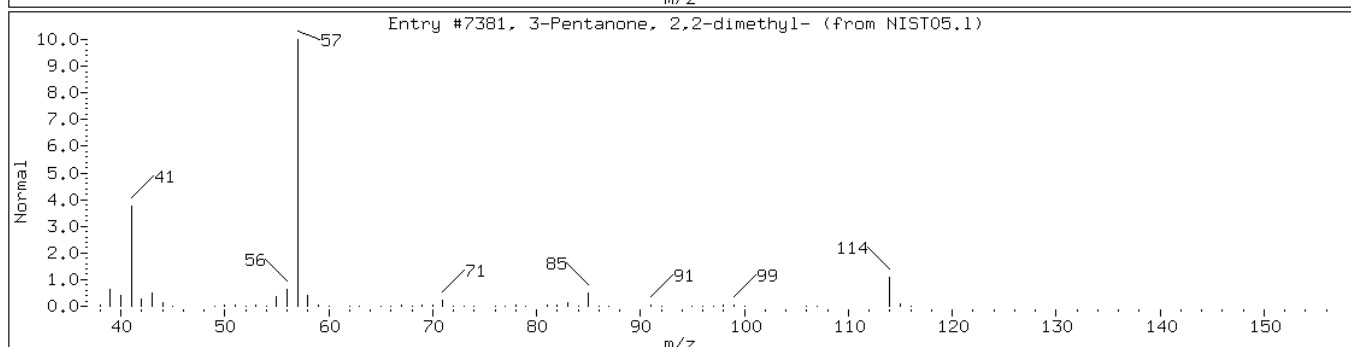
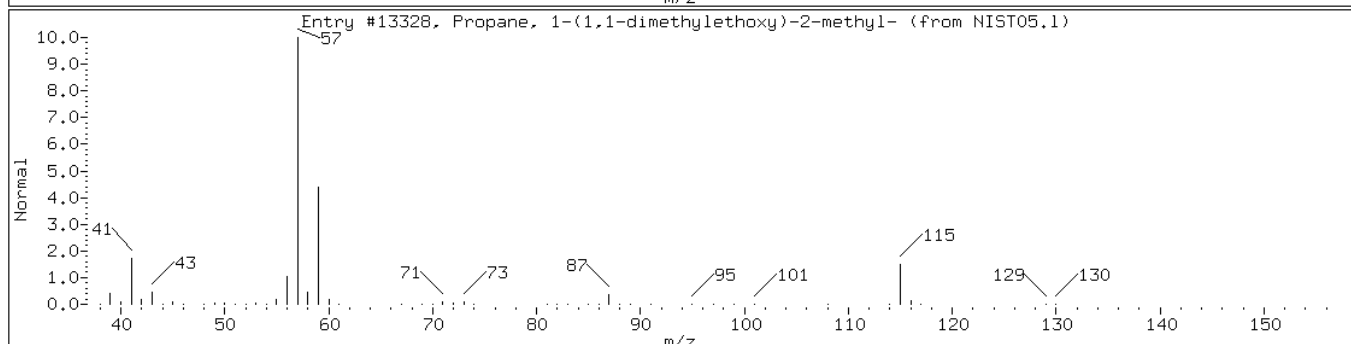
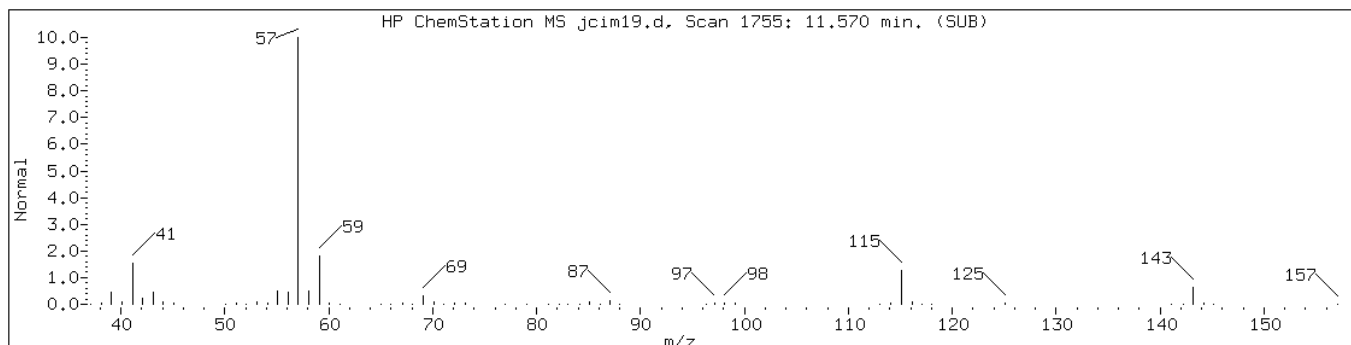
Date: 28-JAN-2011 22:55

Instrument: J.i

Operator: JH2

Retention Time: 11.57

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propane, 1-(1,1-dimethylethoxy)-2-	33021-02-2	NIST05.1	13328	38	C8H18O	130
3-Pentanone, 2,2-dimethyl-	564-04-5	NIST05.1	7381	23	C7H14O	114
Pentane, 2,2,4,4-tetramethyl-	1070-87-7	NIST05.1	12340	17	C9H20	128



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-2 Lab Sample ID: 200-3445-3
 Matrix: Water Lab File ID: jcif08.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 18:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 11:09
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	2.7	J	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.96	B	0.50	0.032
75-34-3	1,1-Dichloroethane	0.073	J	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.33	J	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.16	J B	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.10	J	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.030	J	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	100	E	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.14	J	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	1.2		0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-2 Lab Sample ID: 200-3445-3
 Matrix: Water Lab File ID: jcif08.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 18:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 11:09
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.060	J	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	107		65-131
19199-91-8	Chloroethane-d5	104		71-131
22280-73-5	1,1-Dichloroethene-d2	79		55-104
24313-50-6	2-Butanone-d5	102		49-155
865-49-6	Chloroform-d	98		78-121
17060-07-0	1,2-Dichloroethane-d4	100		78-129
1076-43-3	Benzene-d6	104		77-124
93952-08-0	1,2-Dichloropropane-d6	96		79-124
2037-26-5	Toluene-d8	105		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	101		73-121
4840-82-8	2-Hexanone-d5	102		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	99		73-125
2199-69-1	1,2-Dichlorobenzene-d4	98		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-2 Lab Sample ID: 200-3445-3
Matrix: Water Lab File ID: jcif08.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 18:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 11:09
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L
Number TICs Found: 5 TIC Result Total: 39.41

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Trimethylsilyl fluoride	1.75	24	J N
	Unknown	4.15	2.9	J
	Unknown	6.92	3.0	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.69	B J N
	Unknown siloxane derivative	10.69	0.68	B J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-2 Lab Sample ID: 200-3445-3
Matrix: Water Lab File ID: jcif08.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 18:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 11:09
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		200	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-3
Client Smp ID: MW-2
Inj Date : 24-JAN-2011 11:09
Operator : JH2
Smp Info : 200-3445-B-3
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ng)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	99415	133.299	5.3
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.921	1.921	(0.344)	80501	130.522	5.2
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.530	(0.453)	133275	98.4205	3.9
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.585	2.585	(0.462)	2710	67.4413	2.7(a)
13 Carbon disulfide	76							
14 Methyl acetate	43							
15 Methylene chloride	84							

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====		=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.				
17 Methyl tert-butyl ether	73			3.193	3.193 (0.571)		17689	24.0898	0.96
18 1,1-Dichloroethane	63			3.607	3.607 (0.645)		1935	1.83666	0.073(aQ)
\$ 19 2-Butanone-d5	46			4.172	4.172 (0.746)		67929	1275.86	51
20 cis-1,2-Dichloroethene	96			4.215	4.215 (0.754)		5059	8.22176	0.33(a)
21 2-Butanone	43				Compound Not Detected.				
22 Bromochloromethane	128				Compound Not Detected.				
\$ 23 Chloroform-d	84			4.537	4.537 (0.812)		137638	122.404	4.9(Q)
24 Chloroform	83			4.556	4.556 (0.815)		4321	4.11711	0.16(aQ)
25 1,1,1-Trichloroethane	97			4.744	4.750 (0.531)		2736	2.58340	0.10(a)
26 Cyclohexane	56				Compound Not Detected.				
27 Carbon tetrachloride	117				Compound Not Detected.				
\$ 28 1,2-Dichloroethane-d4	65			5.103	5.103 (0.913)		49203	124.618	5.0
\$ 29 Benzene-d6	84			5.115	5.115 (0.572)		309786	129.890	5.2
30 Benzene	78			5.158	5.158 (0.577)		1847	0.75996	0.030(a)
31 1,2-Dichloroethane	62				Compound Not Detected.				
* 32 1,4-Difluorobenzene	114			5.590	5.590 (1.000)		271620	125.000	
33 Trichloroethene	95			5.876	5.876 (0.657)		1719843	2585.80	100(A)
\$ 34 1,2-Dichloropropane-d6	67			6.028	6.028 (0.674)		72434	120.046	4.8
35 Methylcyclohexane	55				Compound Not Detected.				
36 1,2-Dichloropropane	63				Compound Not Detected.				
37 Bromodichloromethane	83				Compound Not Detected.				
38 cis-1,3-Dichloropropene	75				Compound Not Detected.				
39 4-Methyl-2-pentanone	43				Compound Not Detected.				
\$ 40 Toluene-d8	98			7.257	7.257 (0.812)		294026	131.485	5.3
41 Toluene	91			7.336	7.330 (0.820)		9197	3.43381	0.14(a)
\$ 42 trans-1,3-Dichloropropene-d4	79			7.573	7.573 (0.847)		53501	125.832	5.0
43 trans-1,3-Dichloropropene	75				Compound Not Detected.				
44 1,1,2-Trichloroethane	97				Compound Not Detected.				
45 Tetrachloroethene	164			7.962	7.962 (0.890)		18026	29.4972	1.2
\$ 46 2-Hexanone-d5	63			8.066	8.066 (0.902)		51231	1280.61	51
47 2-Hexanone	43				Compound Not Detected.				
48 Dibromochloromethane	129				Compound Not Detected.				
49 1,2-Dibromoethane	107				Compound Not Detected.				
* 50 Chlorobenzene-d5	117			8.942	8.942 (1.000)		222295	125.000	
51 Chlorobenzene	112				Compound Not Detected.				
52 Ethylbenzene	91				Compound Not Detected.				
53 m,p-Xylene	106			9.258	9.258 (1.035)		1830	1.49251	0.060(aQ)
54 Styrene	104				Compound Not Detected.				
55 o-Xylene	106				Compound Not Detected.				
56 Bromoform	172				Compound Not Detected.				
57 Isopropylbenzene	105				Compound Not Detected.				
\$ 58 1,1,2,2-Tetrachloroethane-d2	84			10.530	10.530 (1.178)		29410	123.425	4.9
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.				
60 1,3-Dichlorobenzene	146				Compound Not Detected.				
* 61 1,4-Dichlorobenzene-d4	152			11.771	11.765 (1.000)		111934	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.				

Compounds	QUANT SIG	CONCENTRATIONS					
		ON-COLUMN	FINAL				
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.209	(1.037)	81667	122.871	4.9
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

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.
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-3
Client Smp ID: MW-2
Inj Date : 24-JAN-2011 11:09
Operator : JH2
Smp Info : 200-3445-B-3
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmtr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

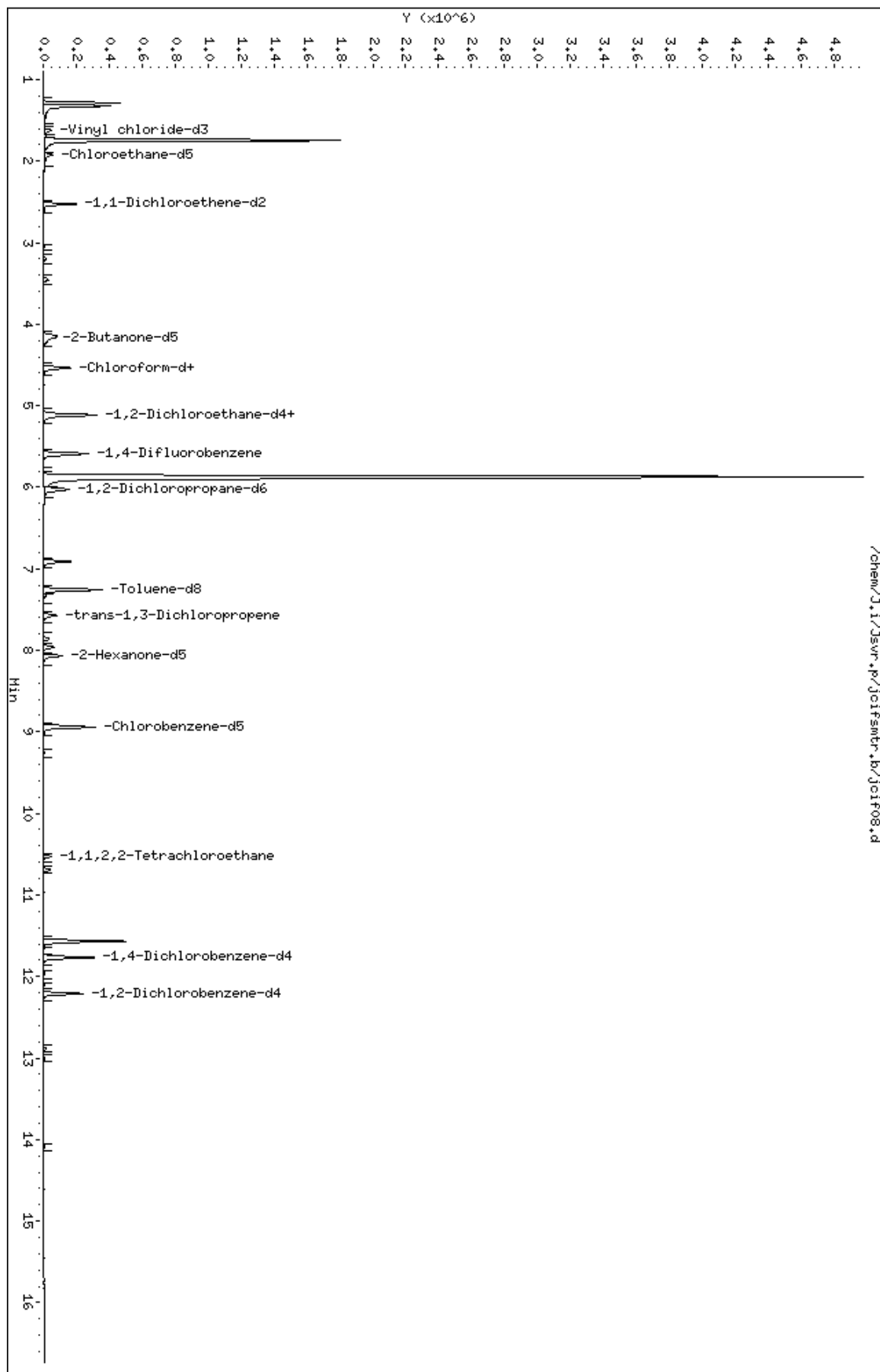
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	606597	125.000
* 50 Chlorobenzene-d5	8.942	649773	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	642992	125.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Trimethylsilyl fluoride							
1.745	2895464	596.660503	24	91	NIST05.1	2373	32

RT	CONCENTRATIONS				QUANT		CPND #
	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	
====	====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
3.455	65555	13.5086869	0.54	0		0	32
Unknown					CAS #:		
4.148	355064	73.1670023	2.9	0		0	32
Unknown					CAS #:		
6.916	364841	75.1817680	3.0	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.859	89329	17.1846799	0.69	90	NIST05.l	73121	50
Unknown siloxane derivative					CAS #:		
10.694	88069	17.1209402	0.68	0		0	61
Unknown alkane					CAS #:		
11.570	972560	189.069289	7.6	0		0	61

Data File: /chem/J.i/Jswr.p/jcifsmtr.b/jcif08.d
 Date: 24-JAN-2011 11:09
 Client ID: MM-2
 Sample Info: 200-3445-B-3
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

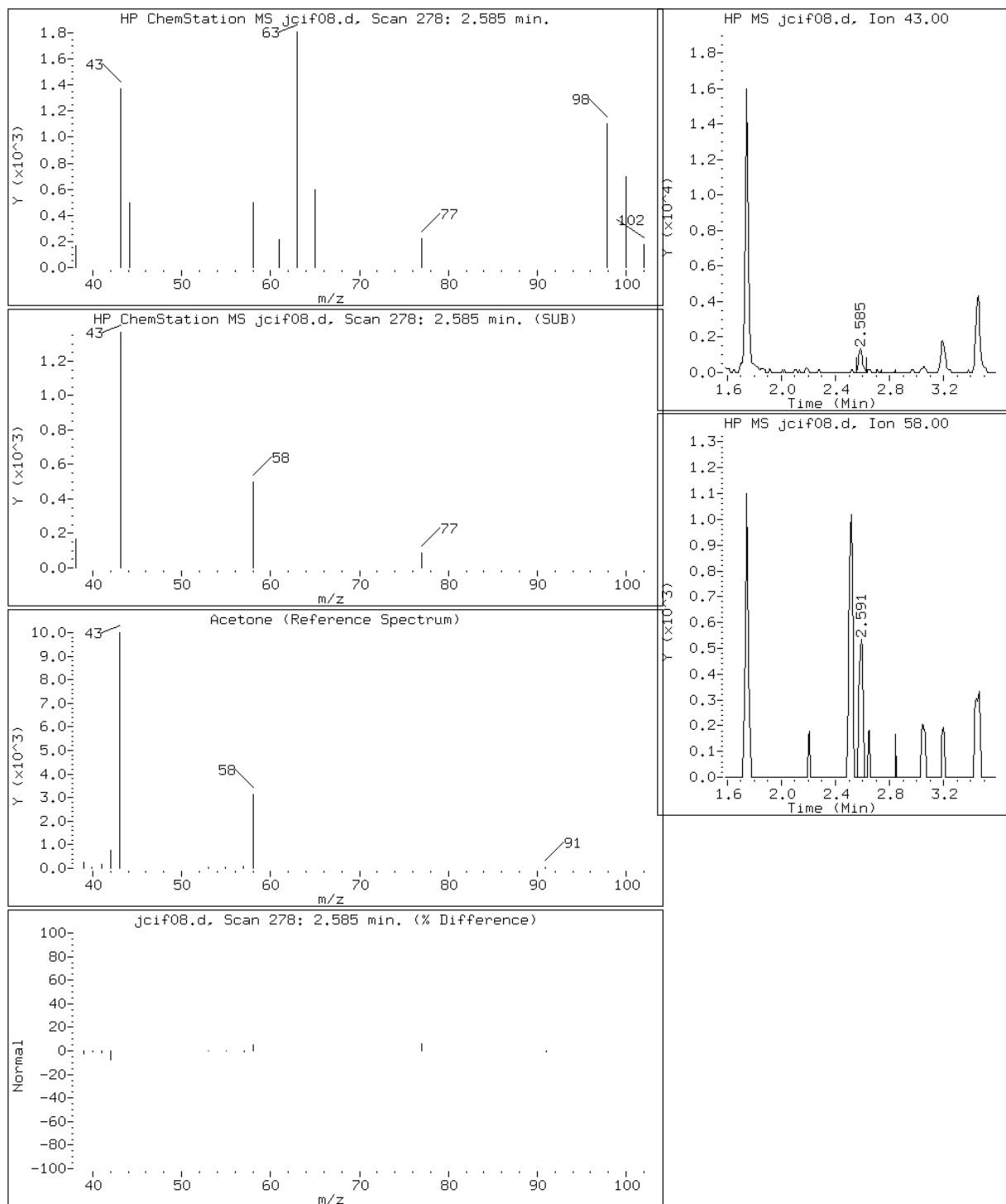
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

12 Acetone



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

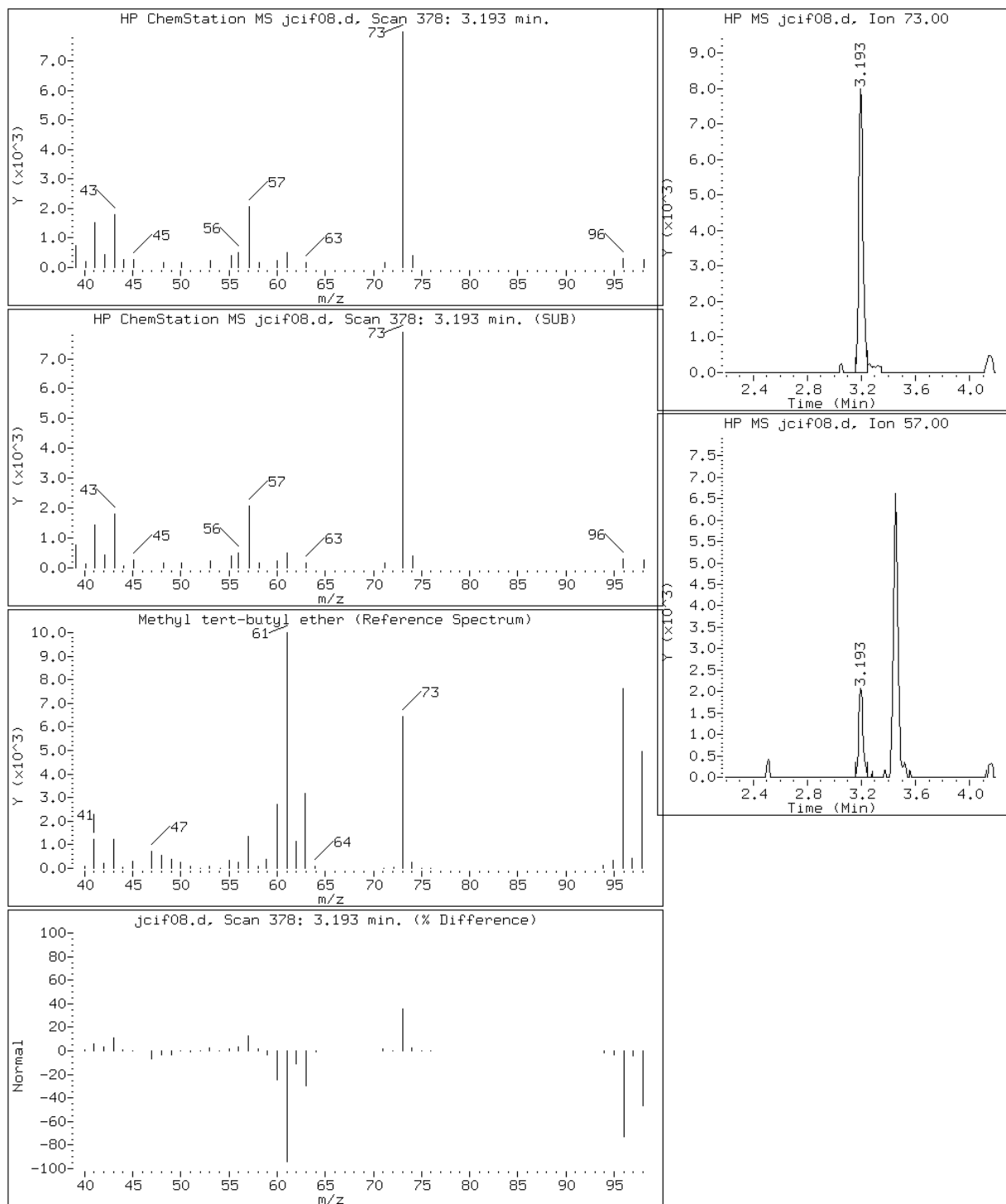
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

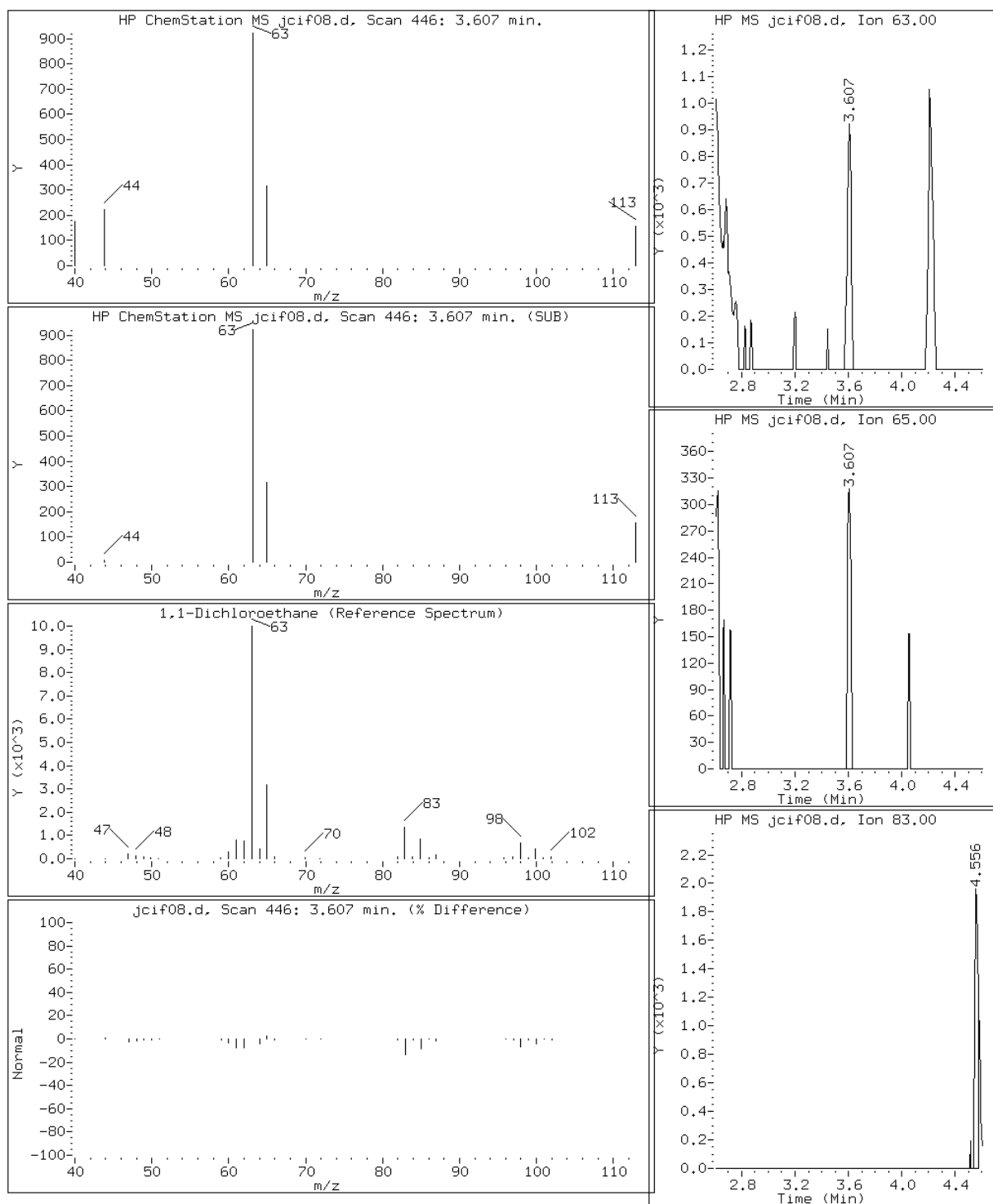
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

18 1,1-Dichloroethane



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

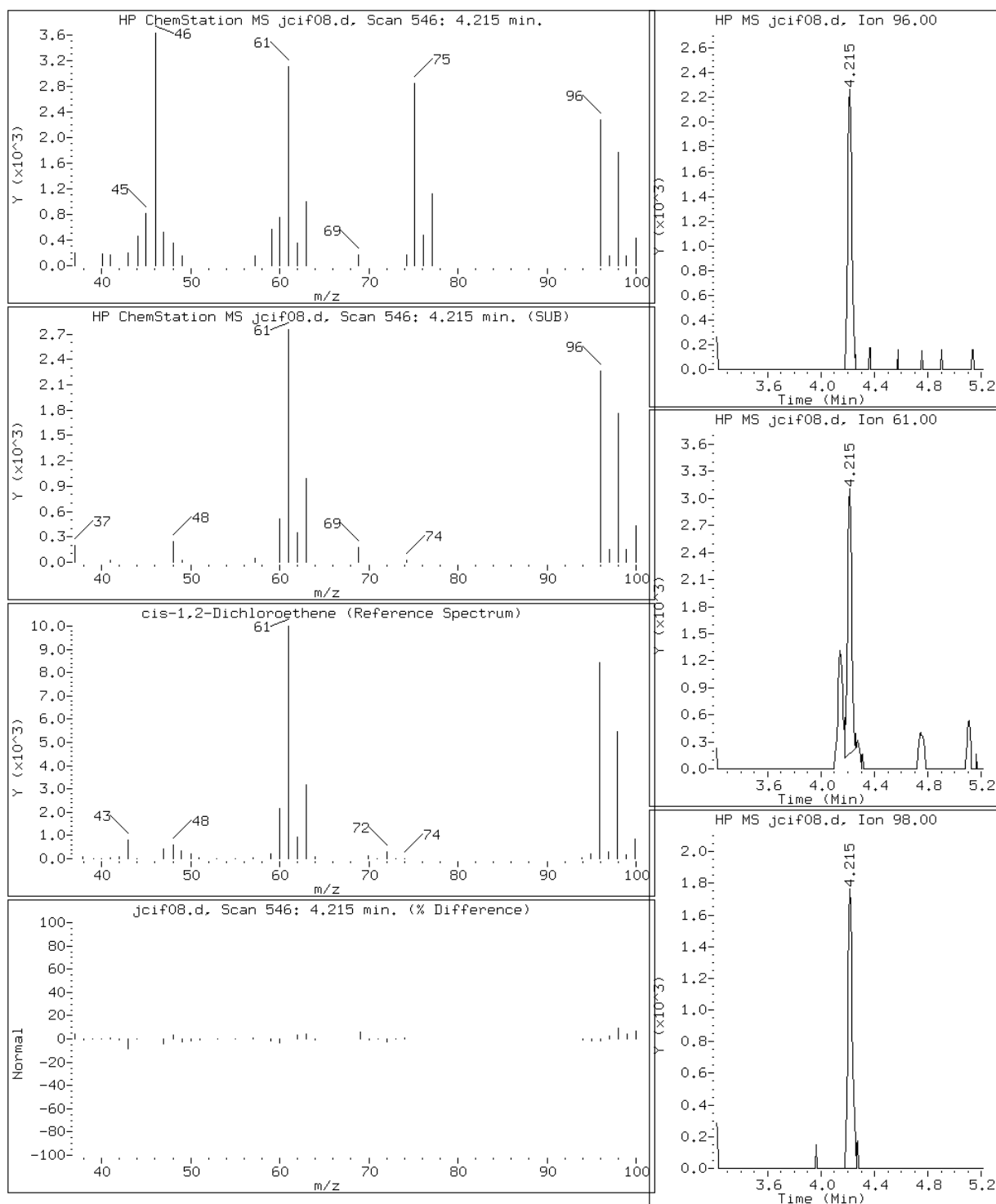
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

20 cis-1,2-Dichloroethene



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

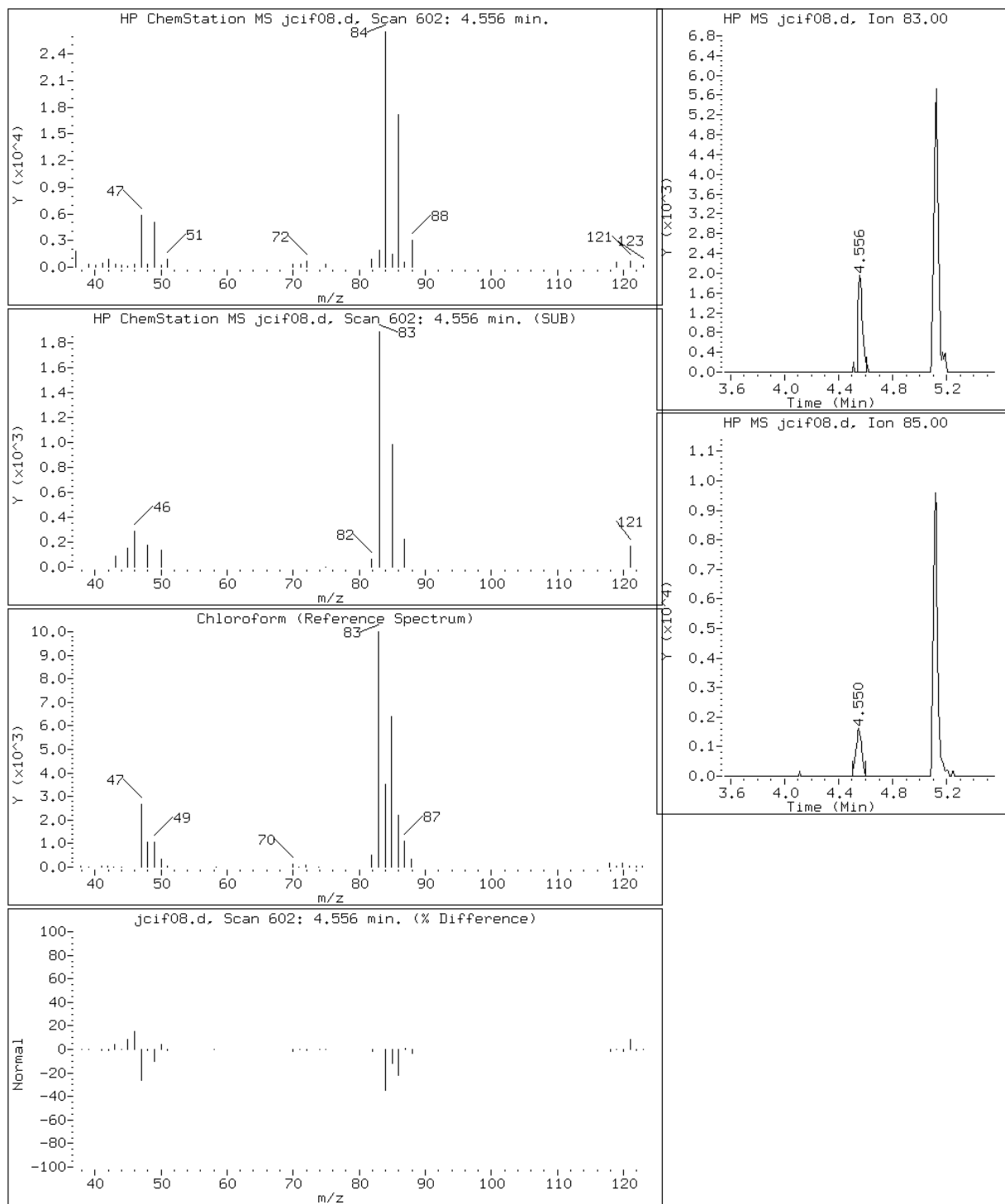
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

24 Chloroform



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

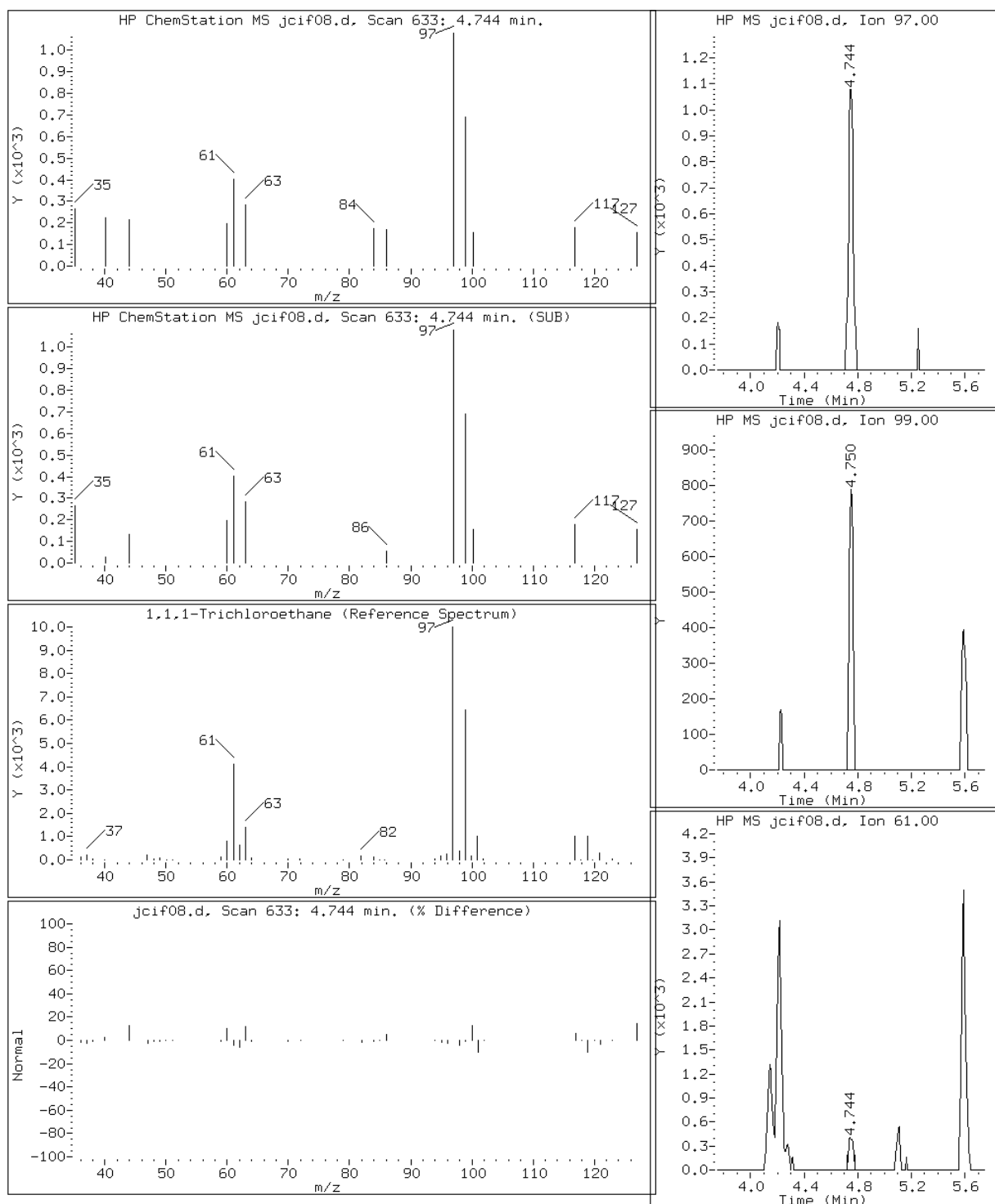
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

25 1,1,1-Trichloroethane



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

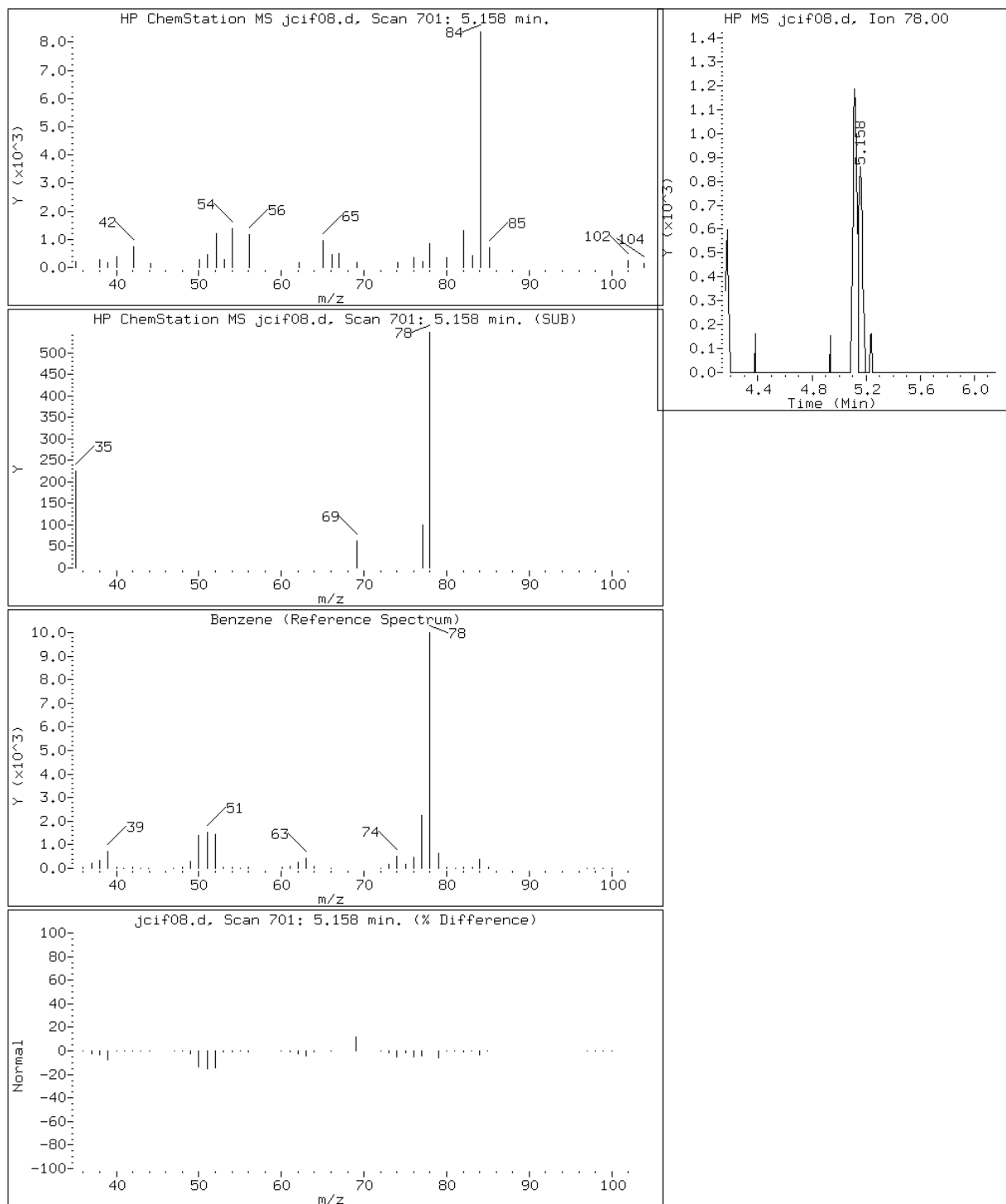
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

30 Benzene



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

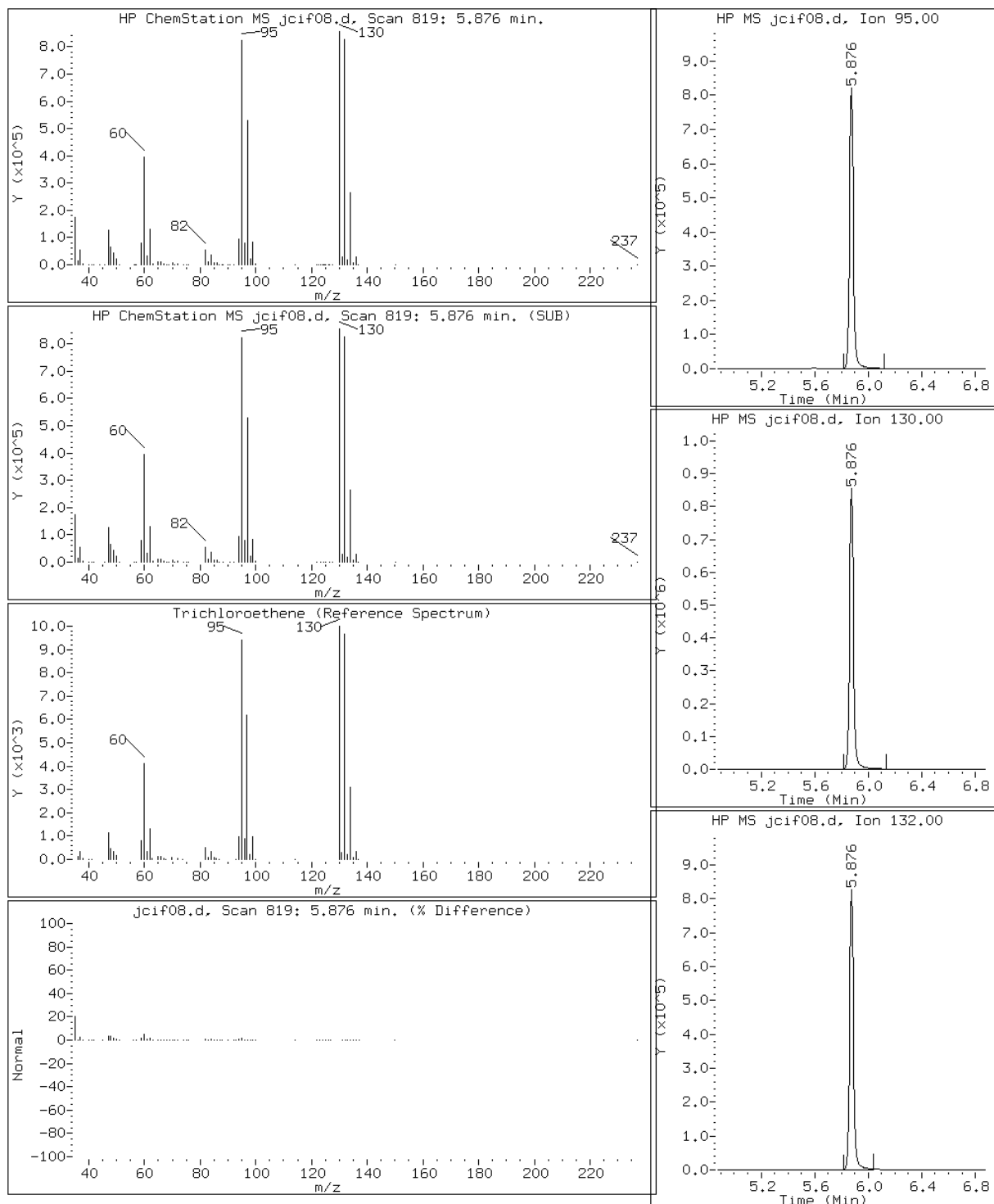
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

33 Trichloroethene



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

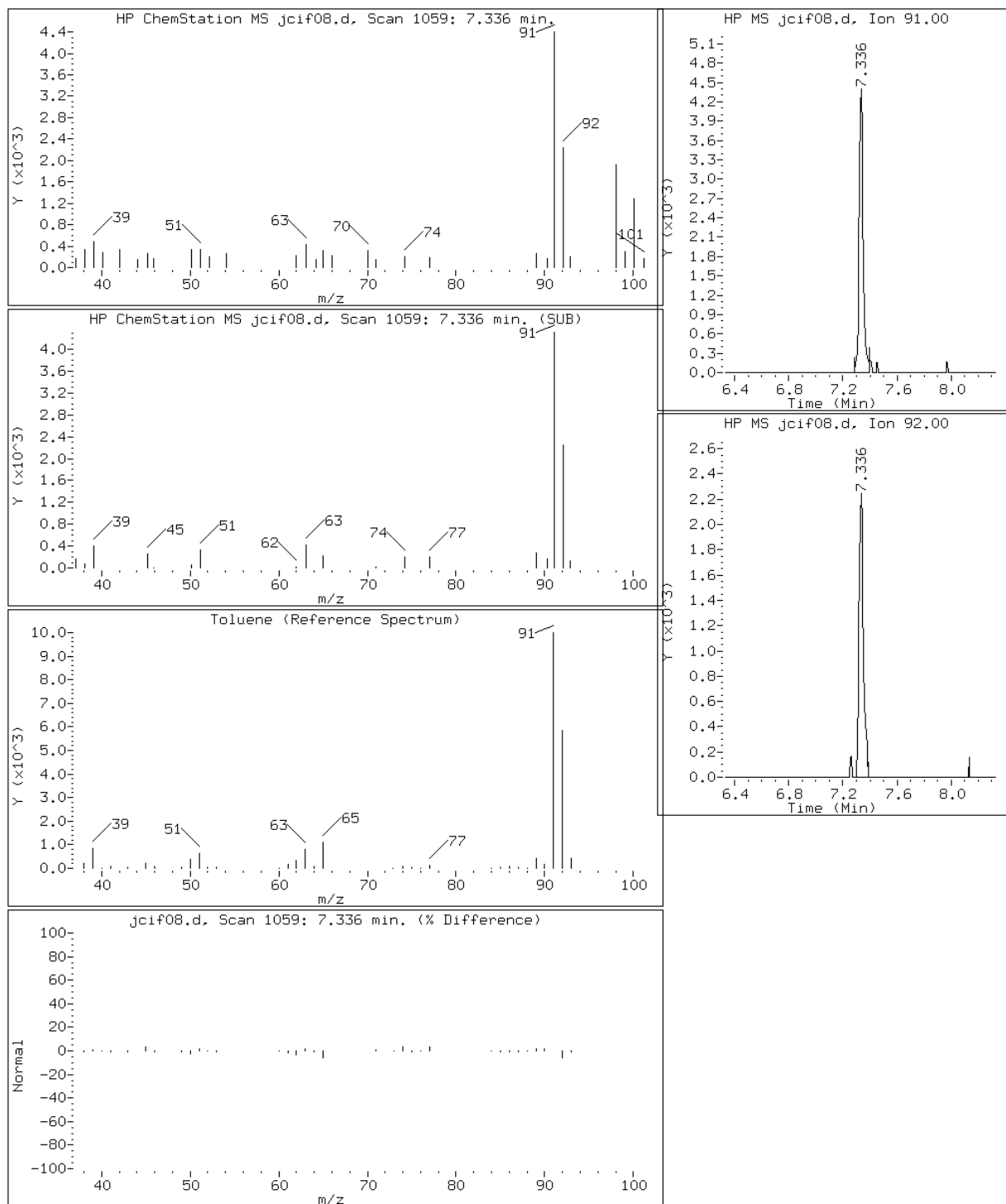
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

41 Toluene



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

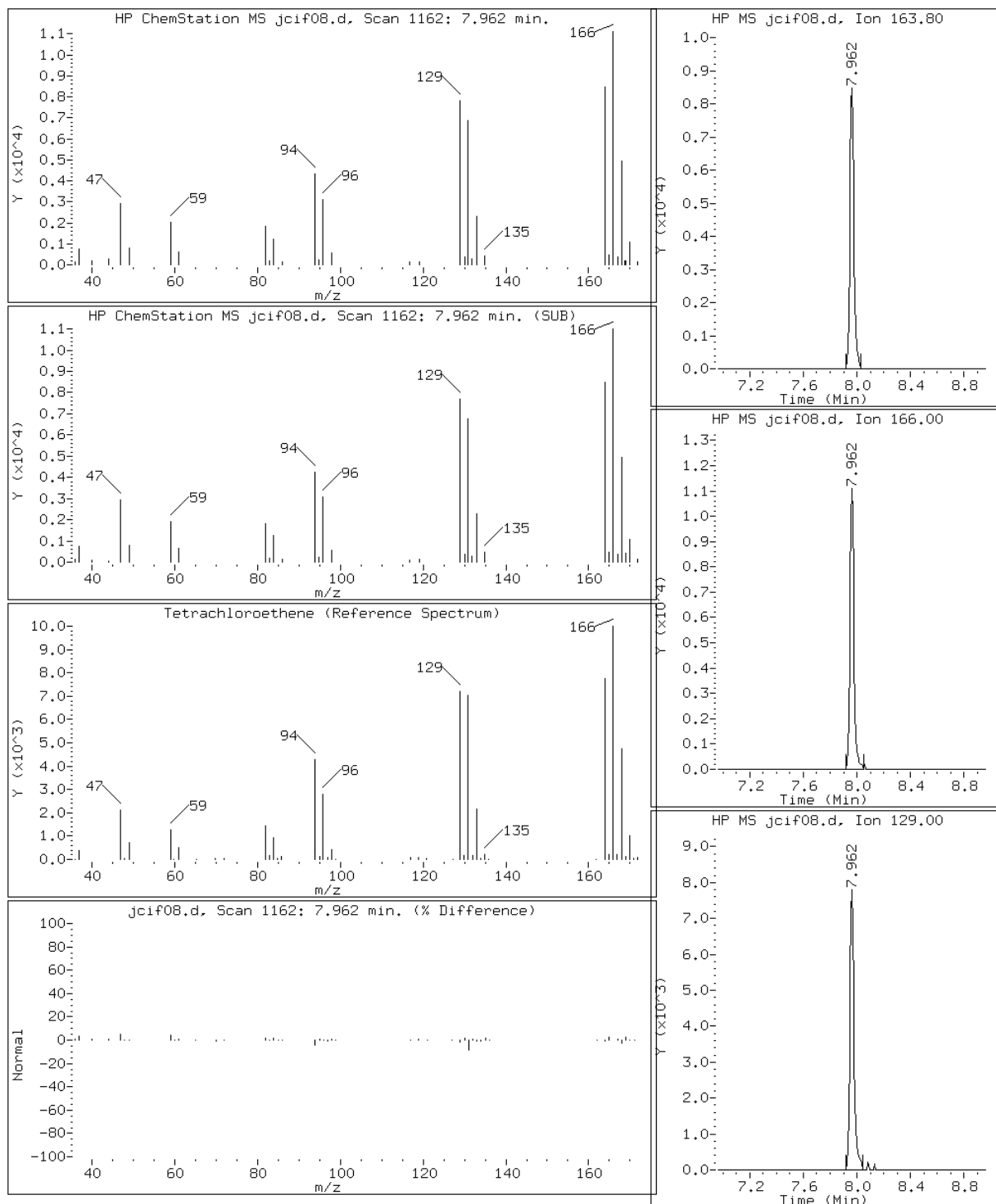
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

45 Tetrachloroethene



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

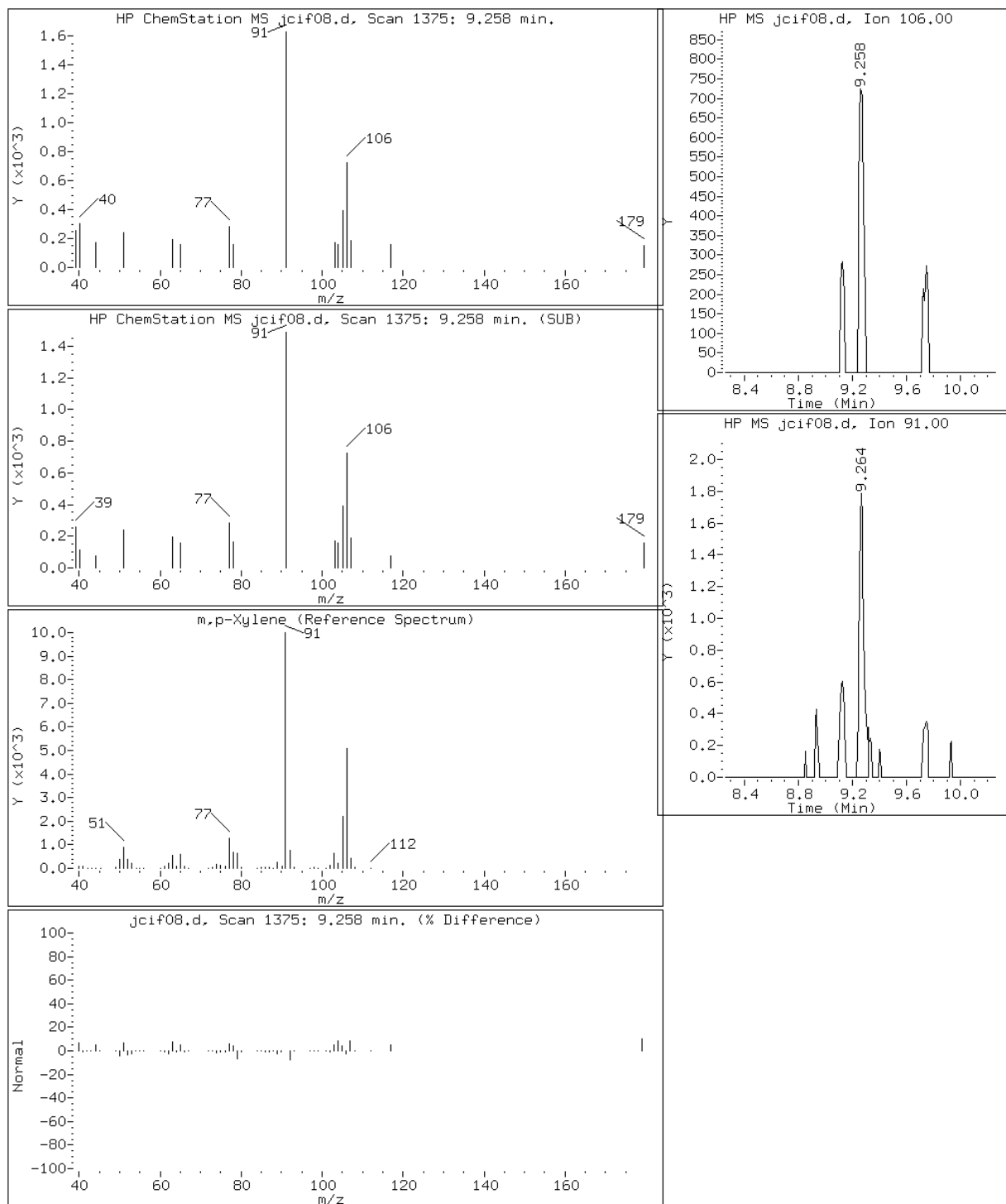
Client ID: MW-2

Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

53 m,p-Xylene



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Client ID: MW-2

Sample Info: 200-3445-B-3

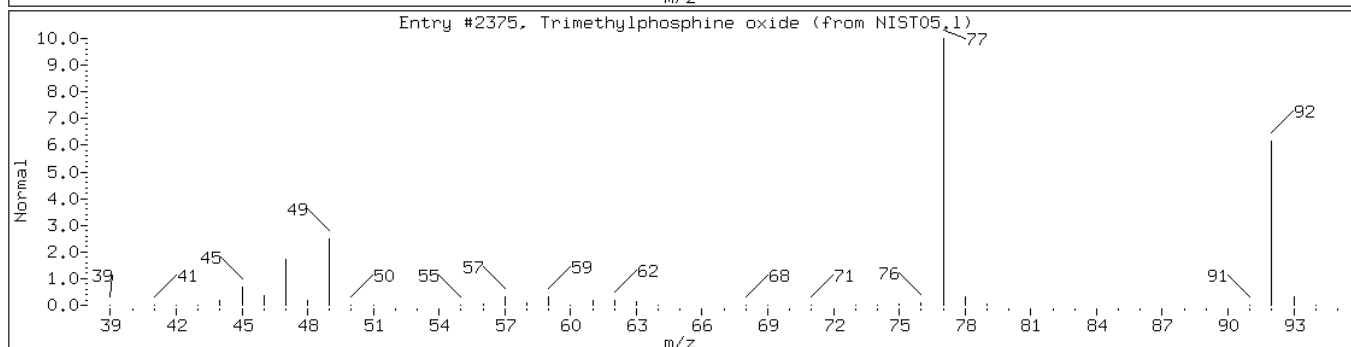
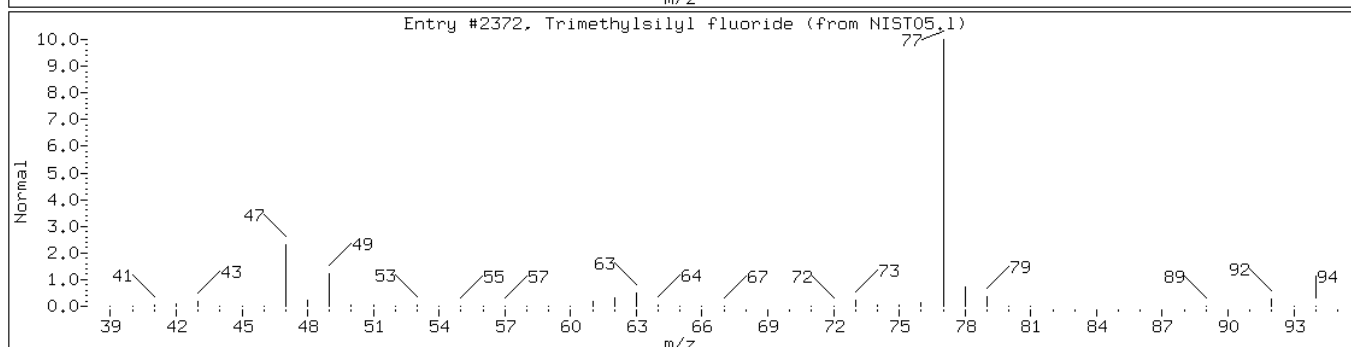
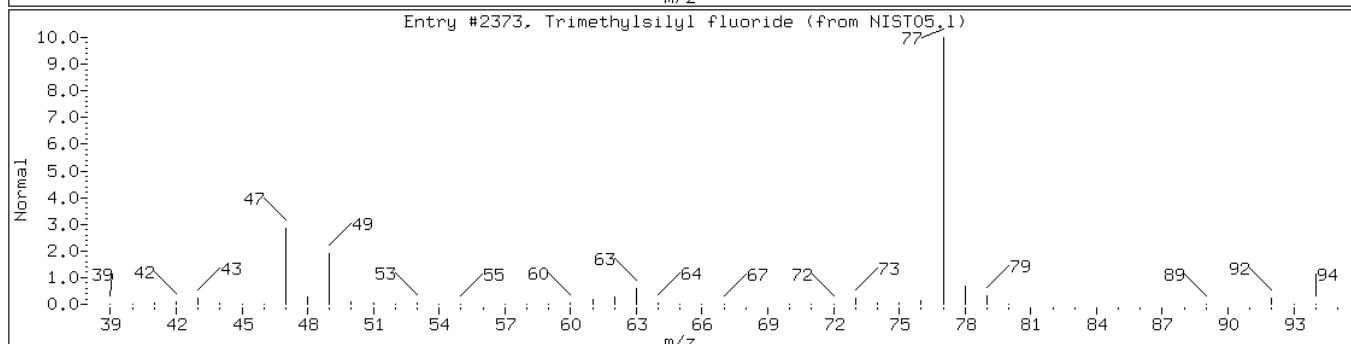
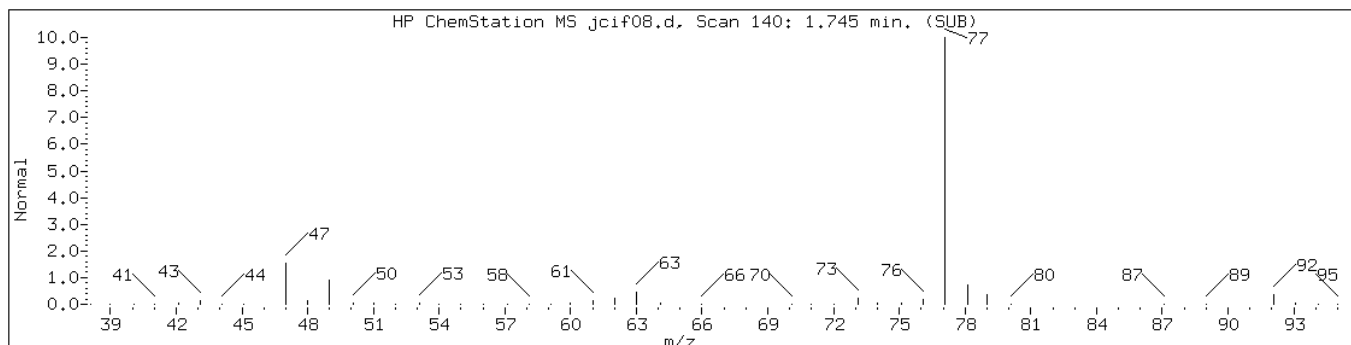
Date: 24-JAN-2011 11:09

Instrument: J.i

Operator: JH2

Retention Time: 1.75

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	91	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	23	C3H9OP	92



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

Client ID: MW-2

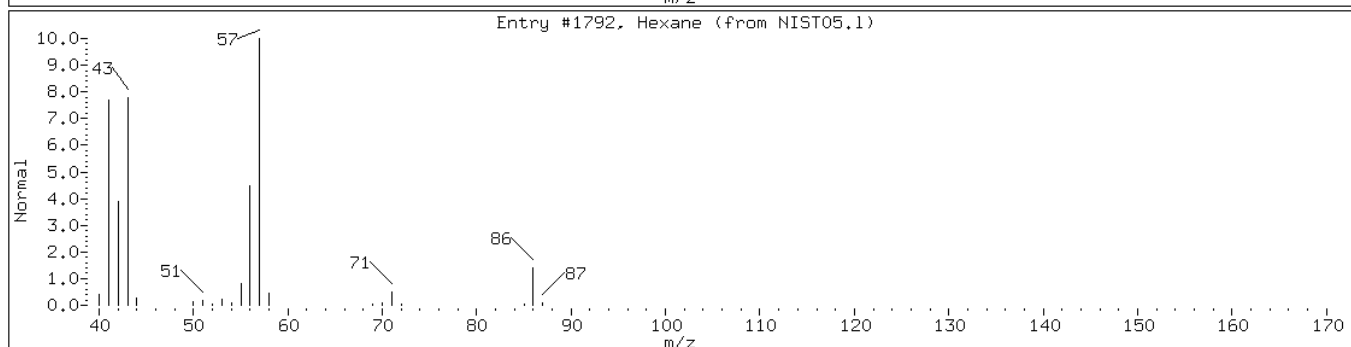
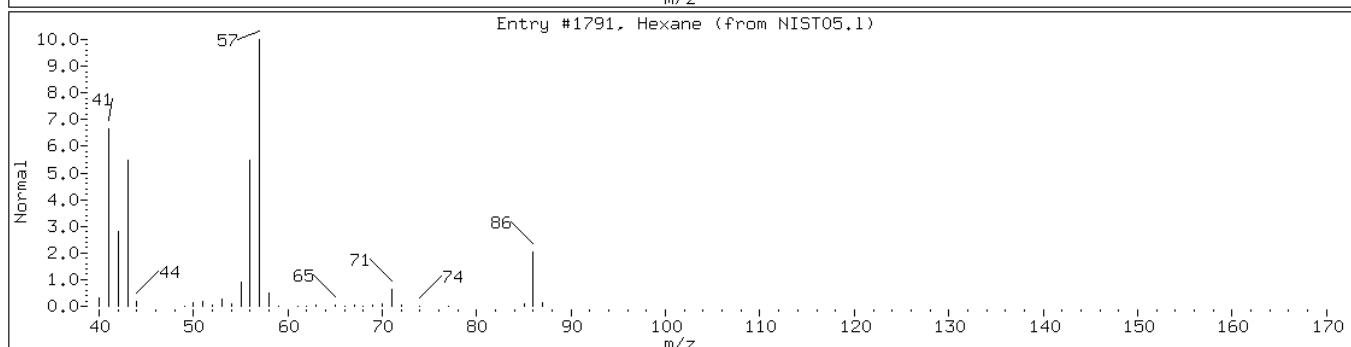
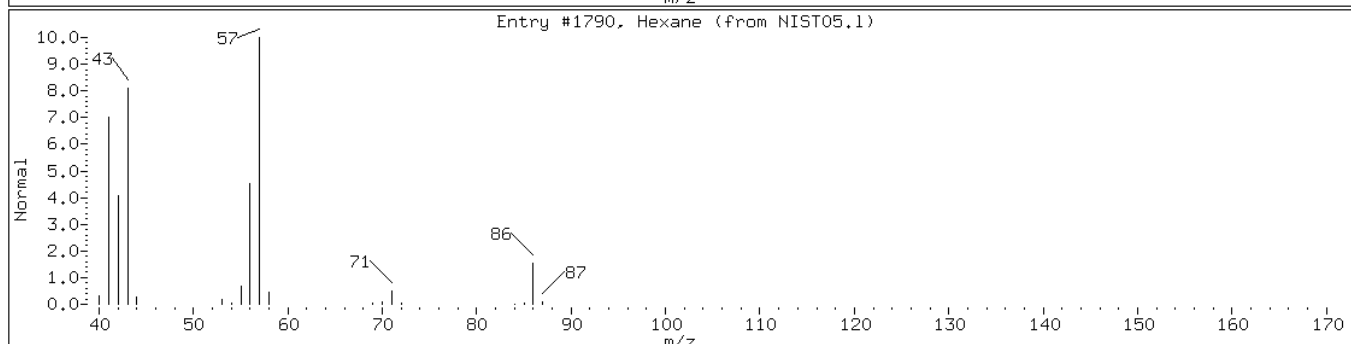
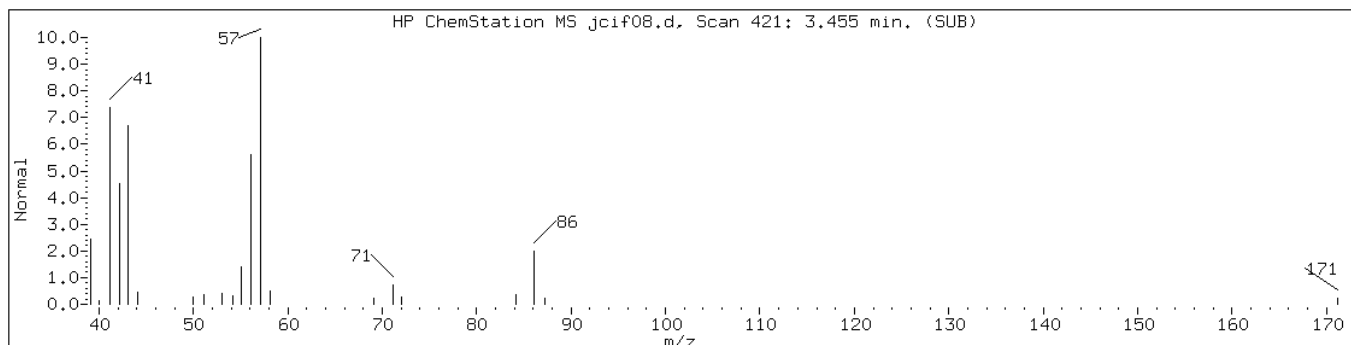
Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1790	86	C6H14	86
Hexane	110-54-3	NIST05.1	1791	81	C6H14	86
Hexane	110-54-3	NIST05.1	1792	53	C6H14	86



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

Client ID: MW-2

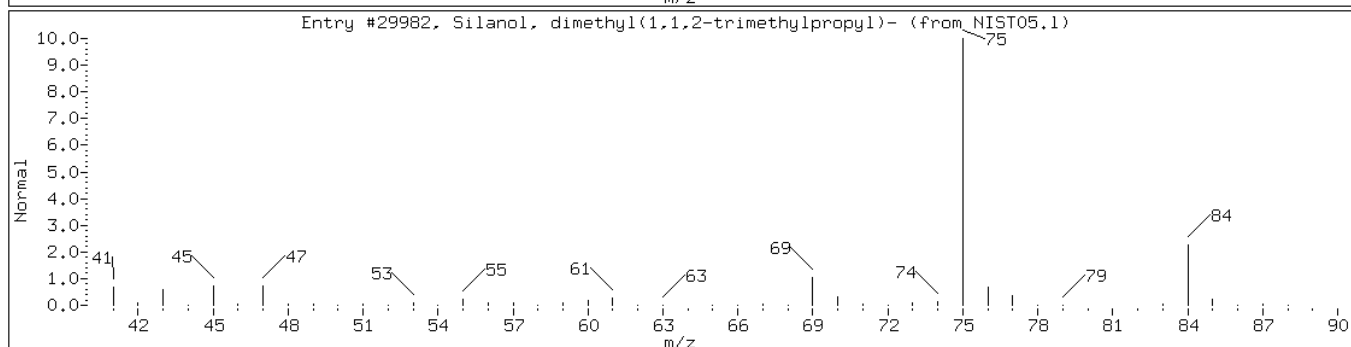
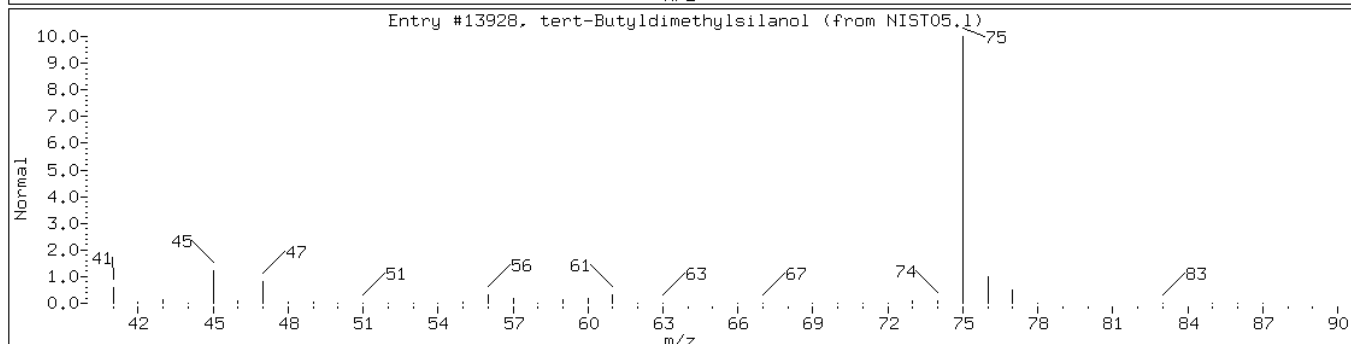
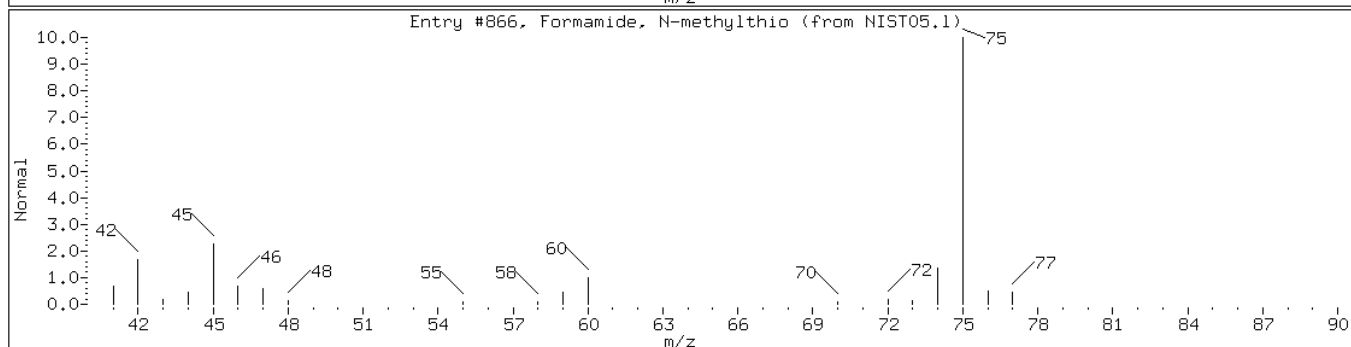
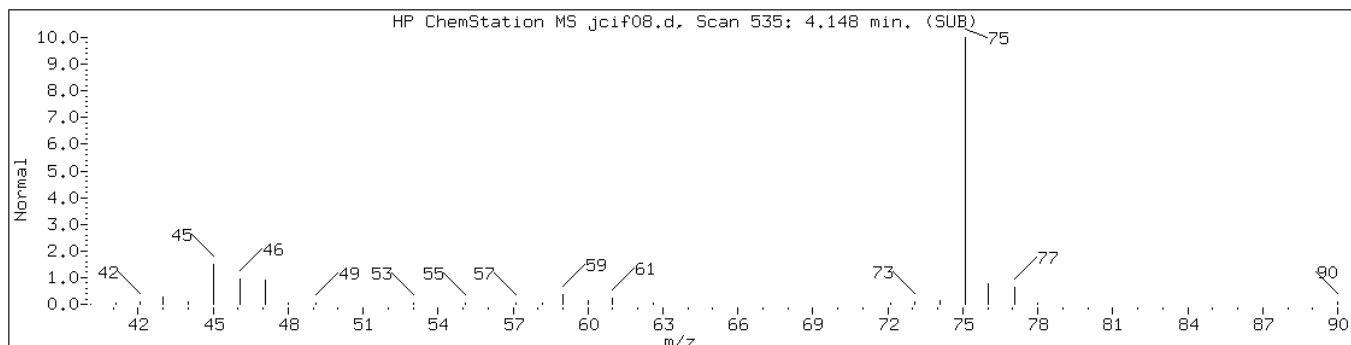
Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

Retention Time: 4.15

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Formamide, N-methylthio	18952-41-5	NIST05.1	866	56	C2H5NS	75
tert-Butyldimethylsilanol	18173-64-3	NIST05.1	13928	56	C6H16OSi	132
Silanol, dimethyl(1,1,2-trimethylp	55644-10-5	NIST05.1	29982	50	C8H20OSi	160



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Client ID: MW-2

Sample Info: 200-3445-B-3

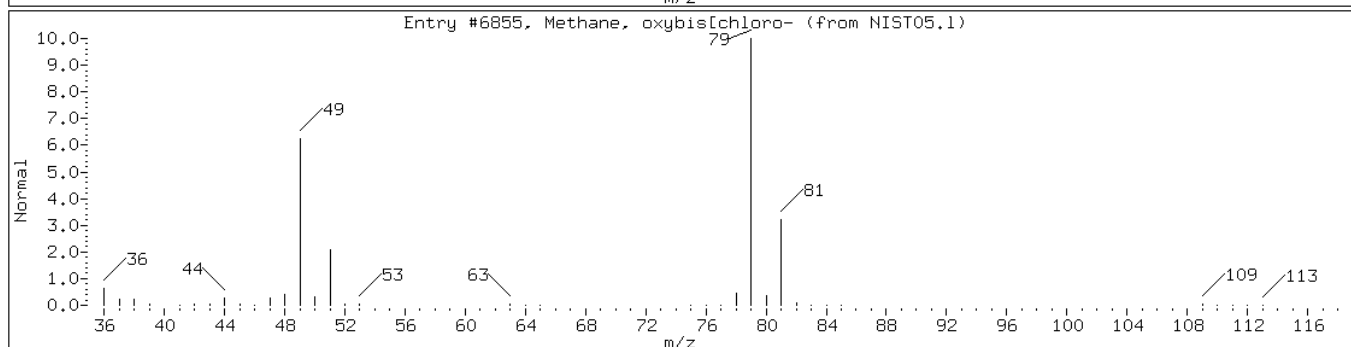
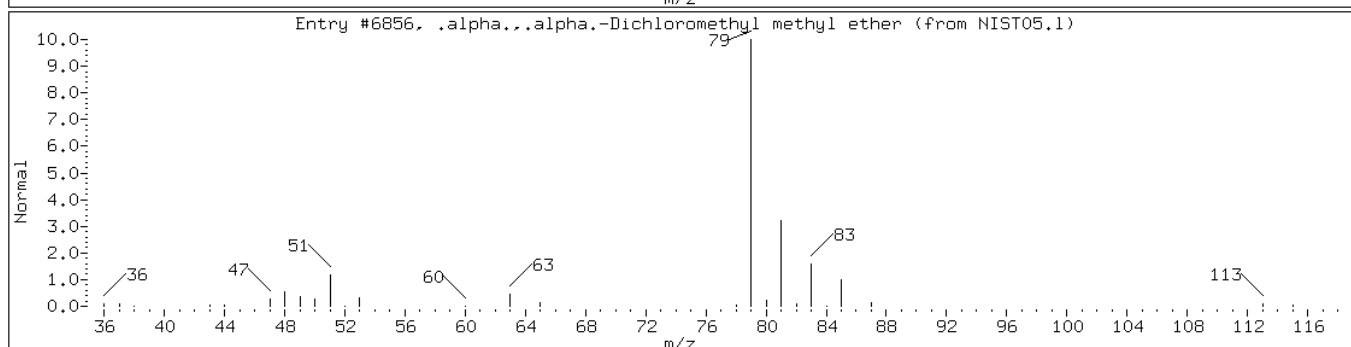
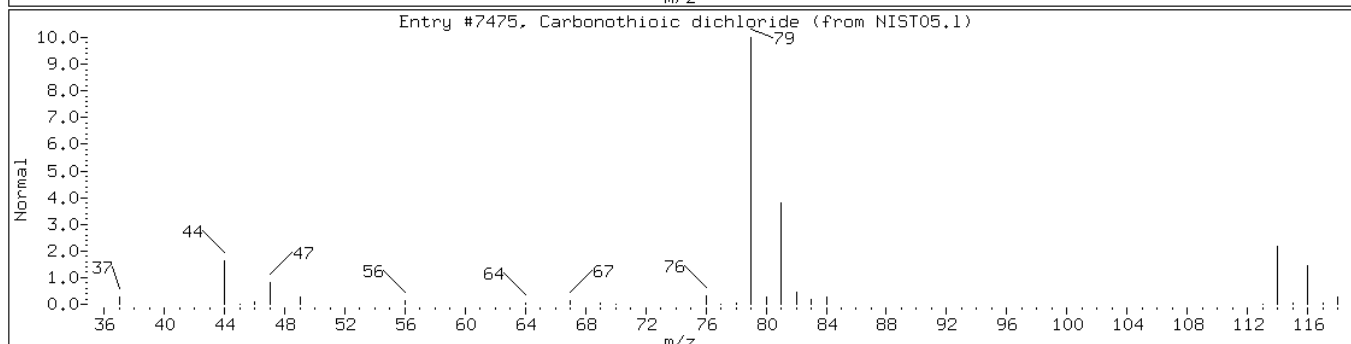
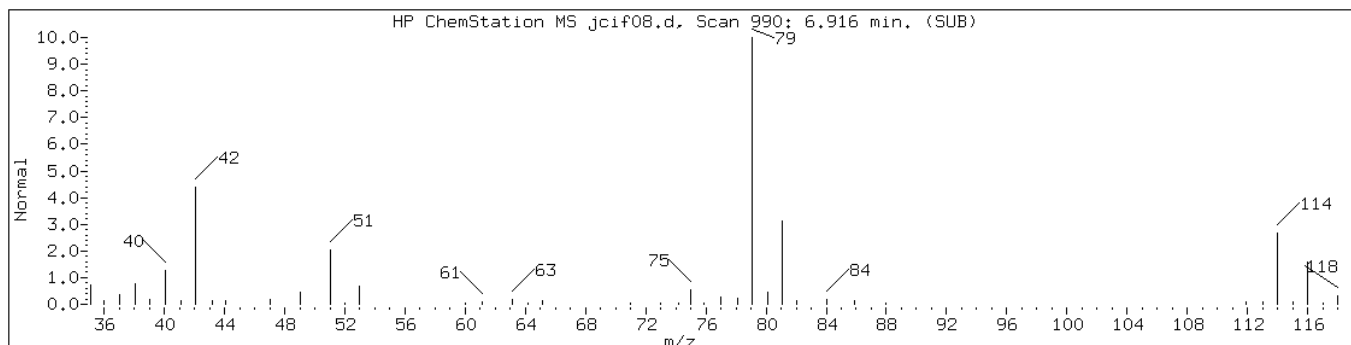
Date: 24-JAN-2011 11:09

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	38	<chem>CCl2S</chem>	114
.alpha.,.alpha.-Dichloromethyl met	4885-02-3	NIST05.1	6856	28	<chem>C2H4Cl2O</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	28	<chem>C2H4Cl2O</chem>	114



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Client ID: MW-2

Sample Info: 200-3445-B-3

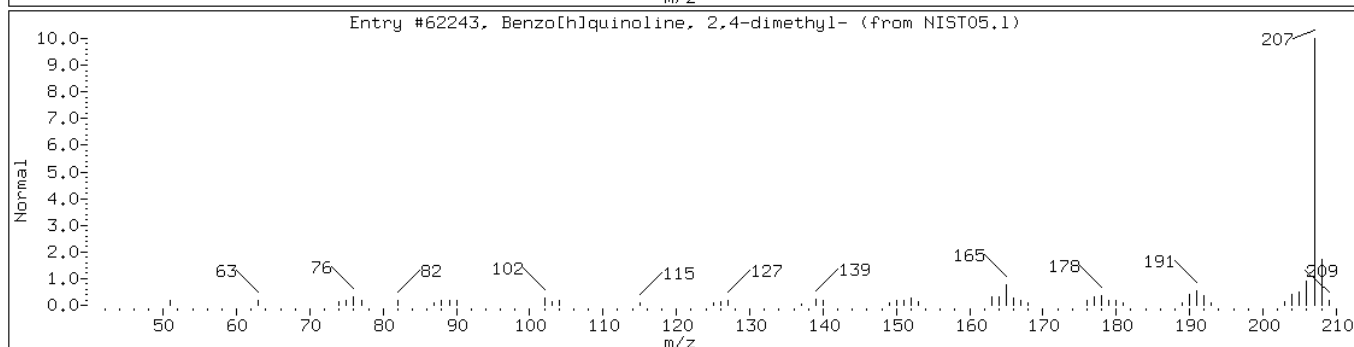
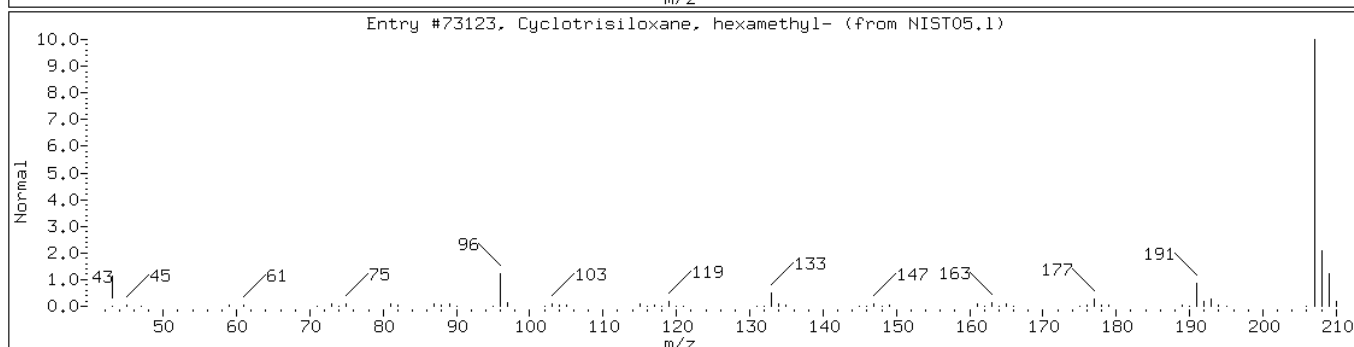
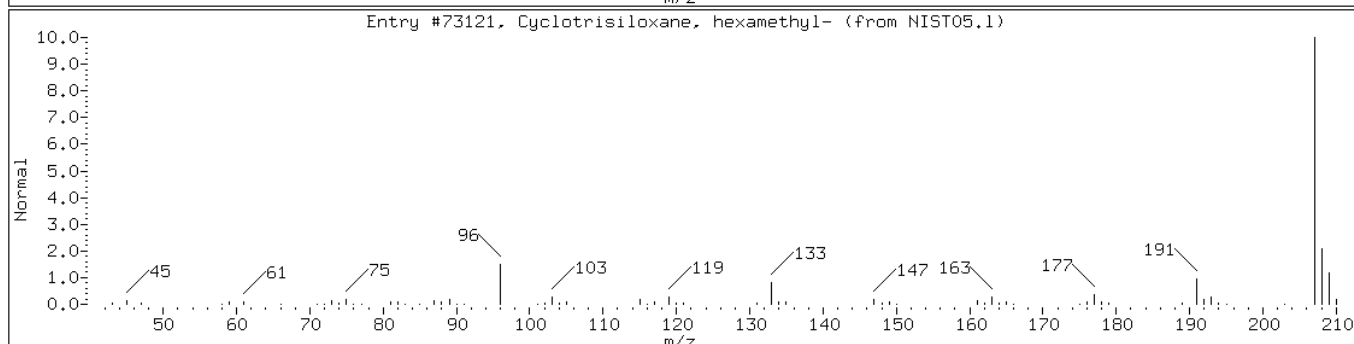
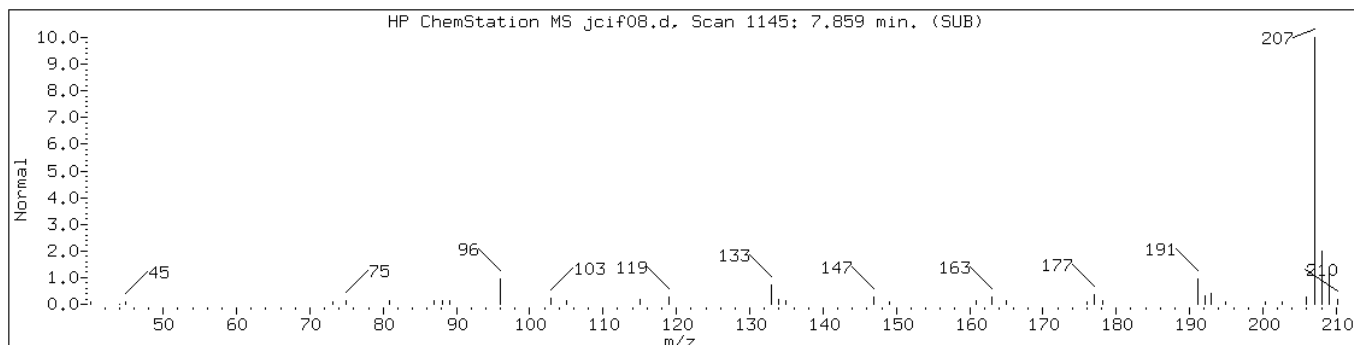
Date: 24-JAN-2011 11:09

Instrument: J.i

Operator: JH2

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	90	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C ₆ H ₁₈ O ₃ Si ₃	222
Benzo[h]quinoline, 2,4-dimethyl-	605-67-4	NIST05.1	62243	50	C ₁₅ H ₁₃ N	207



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

Client ID: MW-2

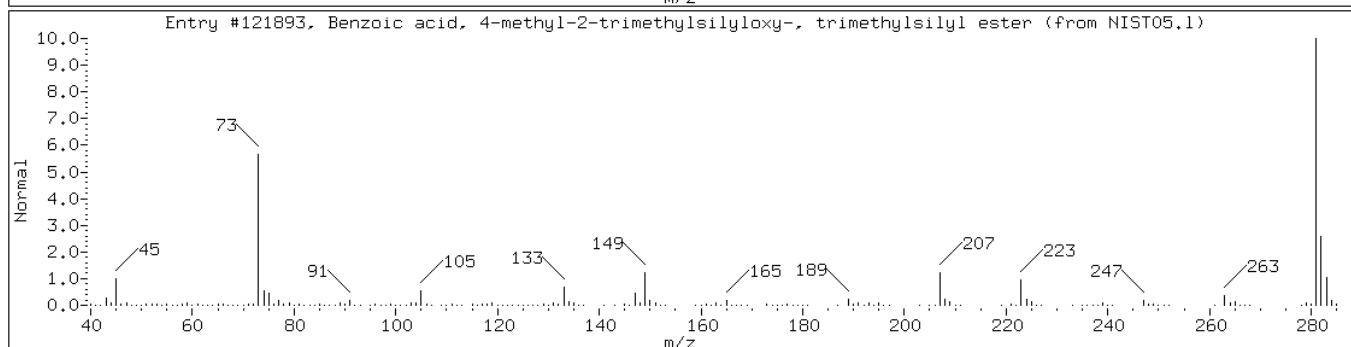
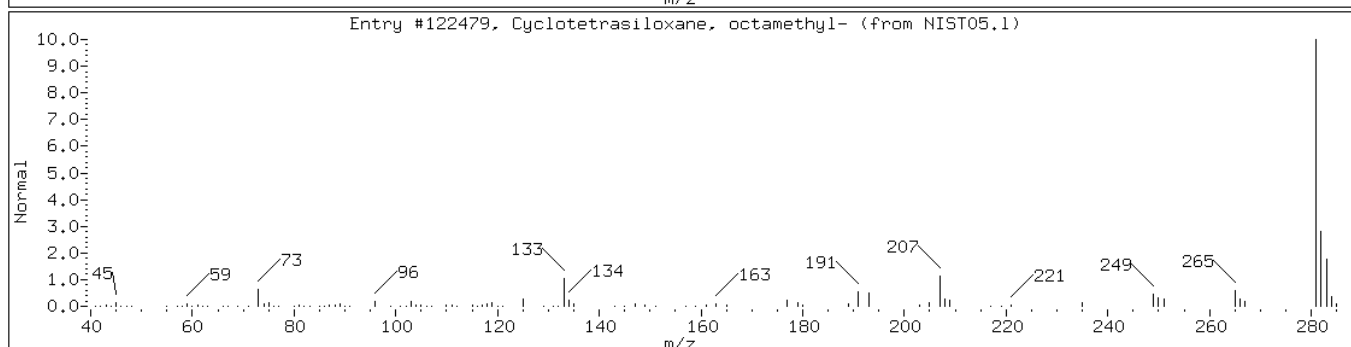
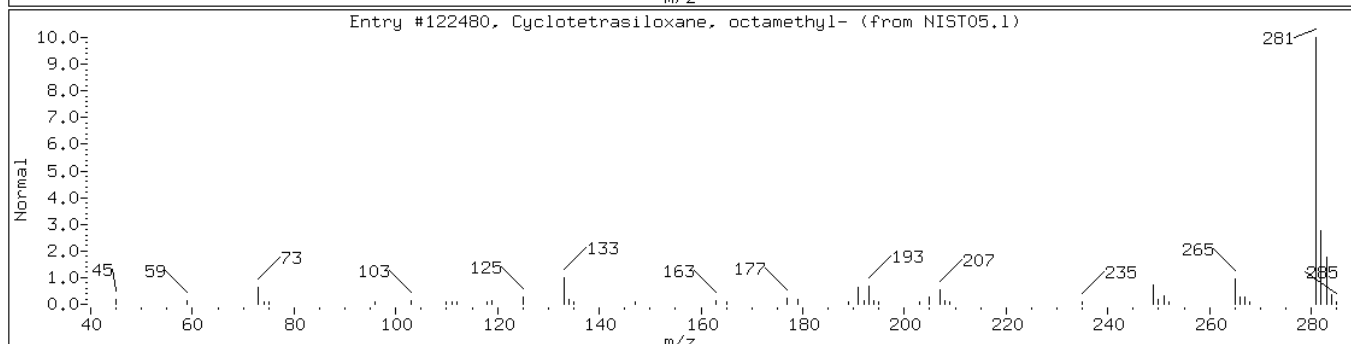
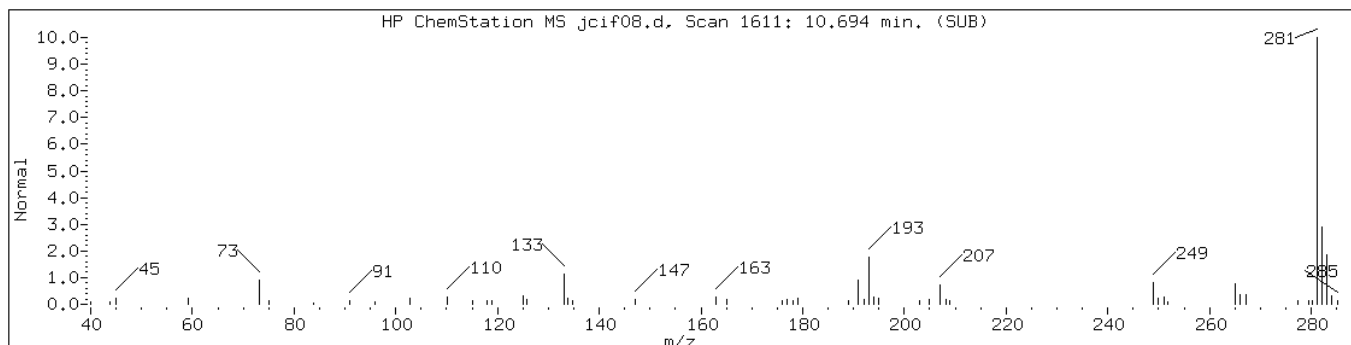
Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	91	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	83	C ₈ H ₂₄ O ₄ Si ₄	296
Benzoic acid, 4-methyl-2-trimethyl	1000153-59-3	NIST05.1	121893	59	C ₁₄ H ₂₄ O ₃ Si ₂	296



Data File: jcif08.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 11:09

Client ID: MW-2

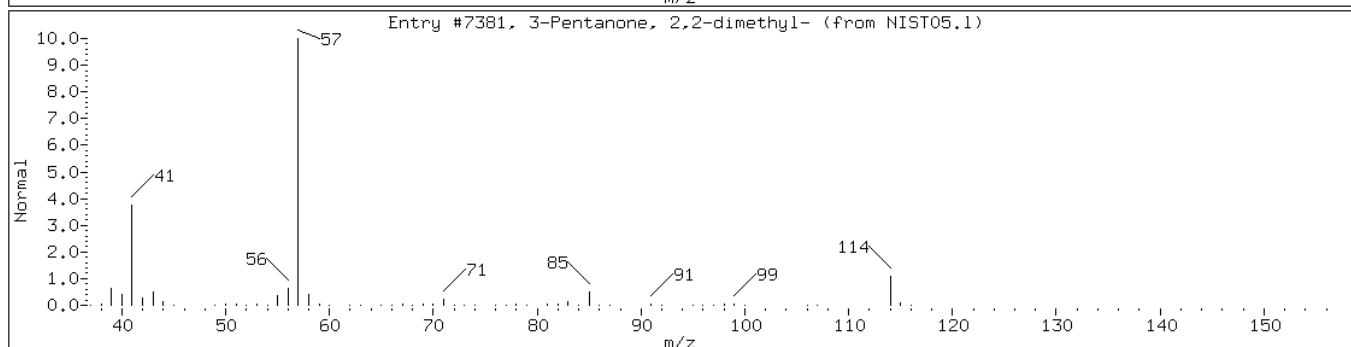
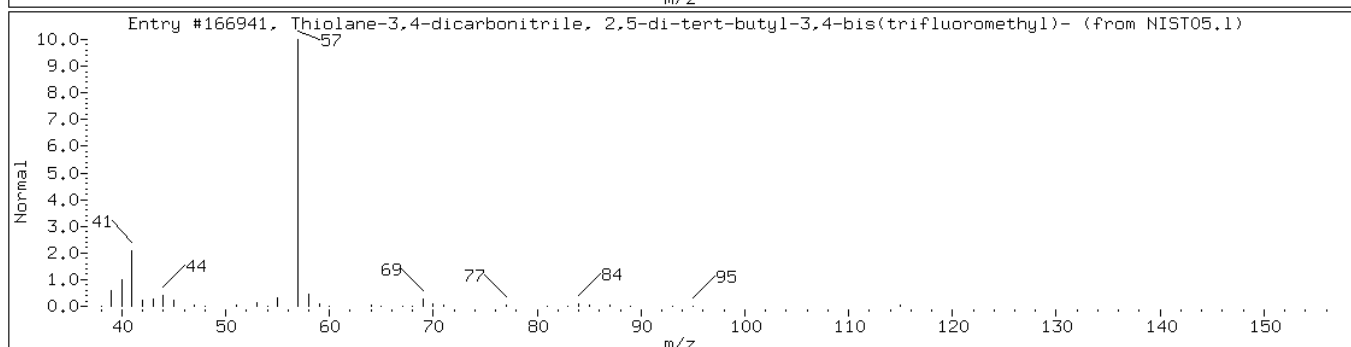
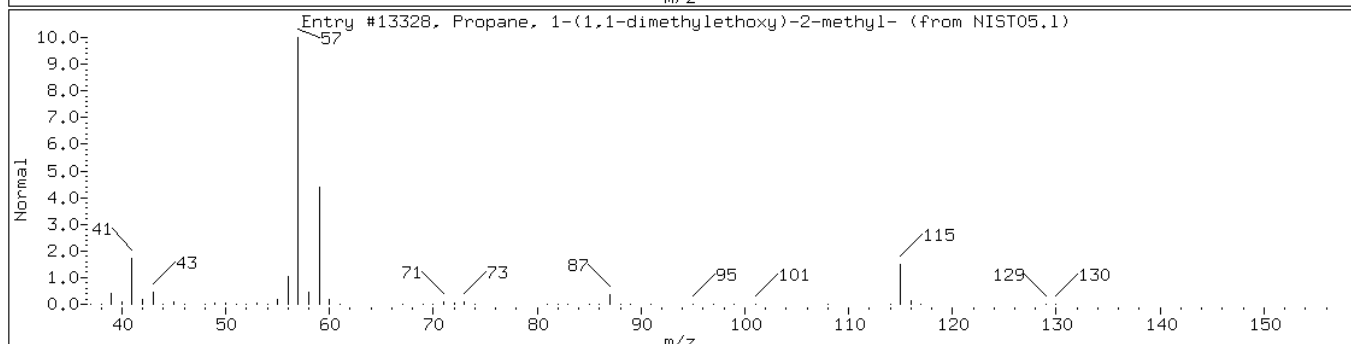
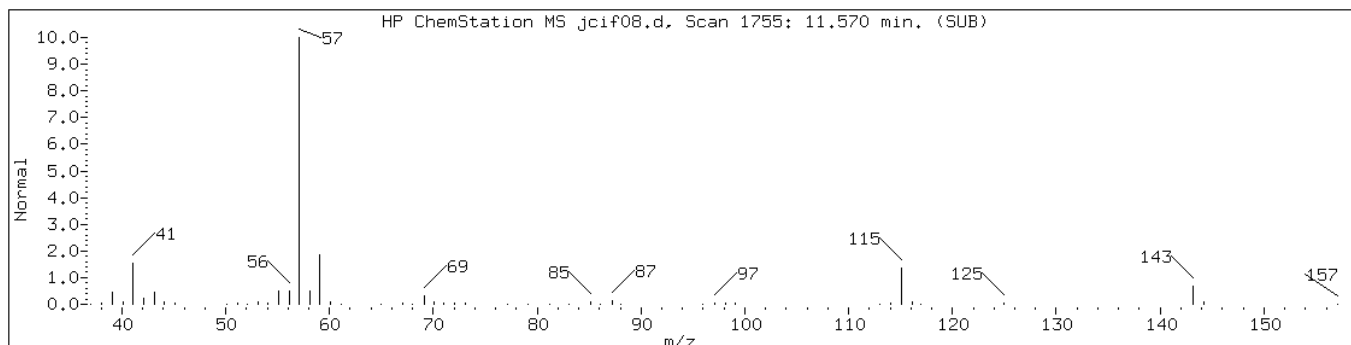
Instrument: J.i

Sample Info: 200-3445-B-3

Operator: JH2

Retention Time: 11.57

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Propane, 1-(1,1-dimethylethoxy)-2-	33021-02-2	NIST05.1	13328	38	C8H18O	130
Thiolane-3,4-dicarbonitrile, 2,5-d	1000260-74-6	NIST05.1	166941	25	C16H20F6N2S	386
3-Pentanone, 2,2-dimethyl-	564-04-5	NIST05.1	7381	23	C7H14O	114



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-2 DL Lab Sample ID: 200-3445-3 DL
 Matrix: Water Lab File ID: jcif15.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 18:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 14:05
 Soil Aliquot Vol: _____ Dilution Factor: 7.1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	3.6	U	3.6	0.18
74-87-3	Chloromethane	3.6	U	3.6	0.69
75-01-4	Vinyl chloride	3.6	U	3.6	0.35
74-83-9	Bromomethane	3.6	U	3.6	0.36
75-00-3	Chloroethane	3.6	U	3.6	0.49
75-69-4	Trichlorofluoromethane	3.6	U	3.6	0.37
75-35-4	1,1-Dichloroethene	3.6	U	3.6	0.27
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.6	U	3.6	0.21
67-64-1	Acetone	11	J D	36	6.6
75-15-0	Carbon disulfide	3.6	U	3.6	0.43
79-20-9	Methyl acetate	3.6	U	3.6	0.53
75-09-2	Methylene chloride	3.6	U	3.6	0.43
156-60-5	trans-1,2-Dichloroethene	3.6	U	3.6	0.13
1634-04-4	Methyl tert-butyl ether	1.5	J D B	3.6	0.23
75-34-3	1,1-Dichloroethane	3.6	U	3.6	0.38
156-59-2	cis-1,2-Dichloroethene	3.6	U	3.6	0.37
78-93-3	2-Butanone	36	U	36	4.3
74-97-5	Bromochloromethane	3.6	U	3.6	0.51
67-66-3	Chloroform	3.6	U	3.6	0.33
71-55-6	1,1,1-Trichloroethane	3.6	U	3.6	0.20
110-82-7	Cyclohexane	3.6	U	3.6	0.28
56-23-5	Carbon tetrachloride	3.6	U	3.6	0.27
71-43-2	Benzene	3.6	U	3.6	0.21
107-06-2	1,2-Dichloroethane	3.6	U	3.6	0.40
79-01-6	Trichloroethene	100	D	3.6	0.38
108-87-2	Methylcyclohexane	3.6	U	3.6	0.35
78-87-5	1,2-Dichloropropane	3.6	U	3.6	0.38
75-27-4	Bromodichloromethane	3.6	U	3.6	0.31
10061-01-5	cis-1,3-Dichloropropene	3.6	U	3.6	0.26
108-10-1	4-Methyl-2-pentanone	36	U	36	2.6
108-88-3	Toluene	3.6	U	3.6	0.22
10061-02-6	trans-1,3-Dichloropropene	3.6	U	3.6	0.22
79-00-5	1,1,2-Trichloroethane	3.6	U	3.6	0.52
127-18-4	Tetrachloroethene	1.3	J D	3.6	0.36
591-78-6	2-Hexanone	36	U	36	2.1
124-48-1	Dibromochloromethane	3.6	U	3.6	0.33

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-2 DL Lab Sample ID: 200-3445-3 DL
 Matrix: Water Lab File ID: jcif15.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 18:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 14:05
 Soil Aliquot Vol: Dilution Factor: 7.1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	3.6	U	3.6	1.4
108-90-7	Chlorobenzene	3.6	U	3.6	0.28
100-41-4	Ethylbenzene	3.6	U	3.6	0.36
95-47-6	o-Xylene	3.6	U	3.6	0.29
179601-23-1	m,p-Xylene	3.6	U	3.6	0.23
100-42-5	Styrene	3.6	U	3.6	0.40
75-25-2	Bromoform	3.6	U	3.6	0.47
98-82-8	Isopropylbenzene	3.6	U	3.6	0.31
79-34-5	1,1,2,2-Tetrachloroethane	3.6	U	3.6	0.57
541-73-1	1,3-Dichlorobenzene	3.6	U	3.6	0.30
106-46-7	1,4-Dichlorobenzene	3.6	U	3.6	0.25
95-50-1	1,2-Dichlorobenzene	3.6	U	3.6	0.36
96-12-8	1,2-Dibromo-3-chloropropane	3.6	U	3.6	1.8
120-82-1	1,2,4-Trichlorobenzene	3.6	U	3.6	0.33
87-61-6	1,2,3-Trichlorobenzene	3.6	U	3.6	0.21

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	109		65-131
19199-91-8	Chloroethane-d5	106		71-131
22280-73-5	1,1-Dichloroethene-d2	80		55-104
24313-50-6	2-Butanone-d5	94		49-155
865-49-6	Chloroform-d	103		78-121
17060-07-0	1,2-Dichloroethane-d4	98		78-129
1076-43-3	Benzene-d6	107		77-124
93952-08-0	1,2-Dichloropropane-d6	100		79-124
2037-26-5	Toluene-d8	108		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	105		73-121
4840-82-8	2-Hexanone-d5	96		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	93		73-125
2199-69-1	1,2-Dichlorobenzene-d4	102		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-2 DL Lab Sample ID: 200-3445-3 DL
Matrix: Water Lab File ID: jcif15.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 18:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 14:05
Soil Aliquot Vol: _____ Dilution Factor: 7.1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L
Number TICs Found: 3 TIC Result Total: 45.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Trimethylsilyl fluoride	1.74	8.8	D J N
	Unknown	6.92	22	B X D J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.87	4.4	B D J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-2 DL Lab Sample ID: 200-3445-3 DL
Matrix: Water Lab File ID: jcif15.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 18:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 14:05
Soil Aliquot Vol: _____ Dilution Factor: 7.1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	<i>Total Alkanes</i>		<i>270</i>	<i>J D</i>

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-3
Client Smp ID: MW-2DL
Inj Date : 24-JAN-2011 14:05
Operator : JH2
Smp Info : 200-3445-C-3
Misc Info : 7.1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmtr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:14 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 26
Dil Factor: 7.10000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	7.10000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)	
=====	=====	==	=====	=====	=====	=====	=====	
1 Dichlorodifluoromethane	85	Compound Not Detected.						
2 Chloromethane	50	Compound Not Detected.						
\$ 3 Vinyl chloride-d3	65	1.623	1.623	(0.290)	99669	135.625	5.4	
4 Vinyl chloride	62	Compound Not Detected.						
5 Bromomethane	94	Compound Not Detected.						
\$ 6 Chloroethane-d5	69	1.927	1.921	(0.345)	80490	132.443	5.3	
7 Chloroethane	64	Compound Not Detected.						
8 Trichlorofluoromethane	101	Compound Not Detected.						
\$ 9 1,1-Dichloroethene-d2	63	2.530	2.530	(0.453)	132789	99.5187	4.0	
10 1,1-Dichloroethene	96	Compound Not Detected.						
11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.						
12 Acetone	43	2.591	2.585	(0.463)	1501	37.9091	11(a)	
13 Carbon disulfide	76	Compound Not Detected.						
14 Methyl acetate	43	Compound Not Detected.						
15 Methylene chloride	84	Compound Not Detected.						

						CONCENTRATIONS			
		QUANT	SIG			ON-COLUMN	FINAL		
Compounds	MASS	RT	EXP	RT	REL	RT	RESPONSE	(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	Compound Not Detected.							
17 Methyl tert-butyl ether	73	3.199	3.193	(0.572)		3739	5.16762	1.5(aQ)	
18 1,1-Dichloroethane	63	Compound Not Detected.							
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)		61391	1170.20	47	
20 cis-1,2-Dichloroethene	96	Compound Not Detected.							
21 2-Butanone	43	Compound Not Detected.							
22 Bromochloromethane	128	Compound Not Detected.							
\$ 23 Chloroform-d	84	4.537	4.537	(0.812)		142855	128.932	5.2(Q)	
24 Chloroform	83	Compound Not Detected.							
25 1,1,1-Trichloroethane	97	Compound Not Detected.							
26 Cyclohexane	56	Compound Not Detected.							
27 Carbon tetrachloride	117	Compound Not Detected.							
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)		47443	121.946	4.9	
\$ 29 Benzene-d6	84	5.121	5.115	(0.573)		312195	134.023	5.4	
30 Benzene	78	Compound Not Detected.							
31 1,2-Dichloroethane	62	Compound Not Detected.							
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)		267643	125.000		
33 Trichloroethene	95	5.876	5.876	(0.657)		234319	360.706	100	
\$ 34 1,2-Dichloropropane-d6	67	6.028	6.028	(0.674)		73585	124.863	5.0	
35 Methylcyclohexane	55	Compound Not Detected.							
36 1,2-Dichloropropane	63	Compound Not Detected.							
37 Bromodichloromethane	83	Compound Not Detected.							
38 cis-1,3-Dichloropropene	75	Compound Not Detected.							
39 4-Methyl-2-pentanone	43	Compound Not Detected.							
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)		295159	135.141	5.4	
41 Toluene	91	Compound Not Detected.							
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)		54584	131.442	5.3	
43 trans-1,3-Dichloropropene	75	Compound Not Detected.							
44 1,1,2-Trichloroethane	97	Compound Not Detected.							
45 Tetrachloroethene	164	7.962	7.962	(0.890)		2786	4.66770	1.3(a)	
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)		47016	1203.29	48	
47 2-Hexanone	43	Compound Not Detected.							
48 Dibromochloromethane	129	Compound Not Detected.							
49 1,2-Dibromoethane	107	Compound Not Detected.							
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)		217115	125.000		
51 Chlorobenzene	112	Compound Not Detected.							
52 Ethylbenzene	91	Compound Not Detected.							
53 m,p-Xylene	106	Compound Not Detected.							
54 Styrene	104	Compound Not Detected.							
55 o-Xylene	106	Compound Not Detected.							
56 Bromoform	172	Compound Not Detected.							
57 Isopropylbenzene	105	Compound Not Detected.							
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)		27021	116.104	4.6	
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.							
60 1,3-Dichlorobenzene	146	Compound Not Detected.							
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.765	(1.000)		104715	125.000		
62 1,4-Dichlorobenzene	146	Compound Not Detected.							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.209	(1.037)	79110	127.229	5.1
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-3
Client Smp ID: MW-2DL
Inj Date : 24-JAN-2011 14:05
Operator : JH2
Smp Info : 200-3445-C-3
Misc Info : 7.1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:14 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 26
Dil Factor: 7.10000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	7.10000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

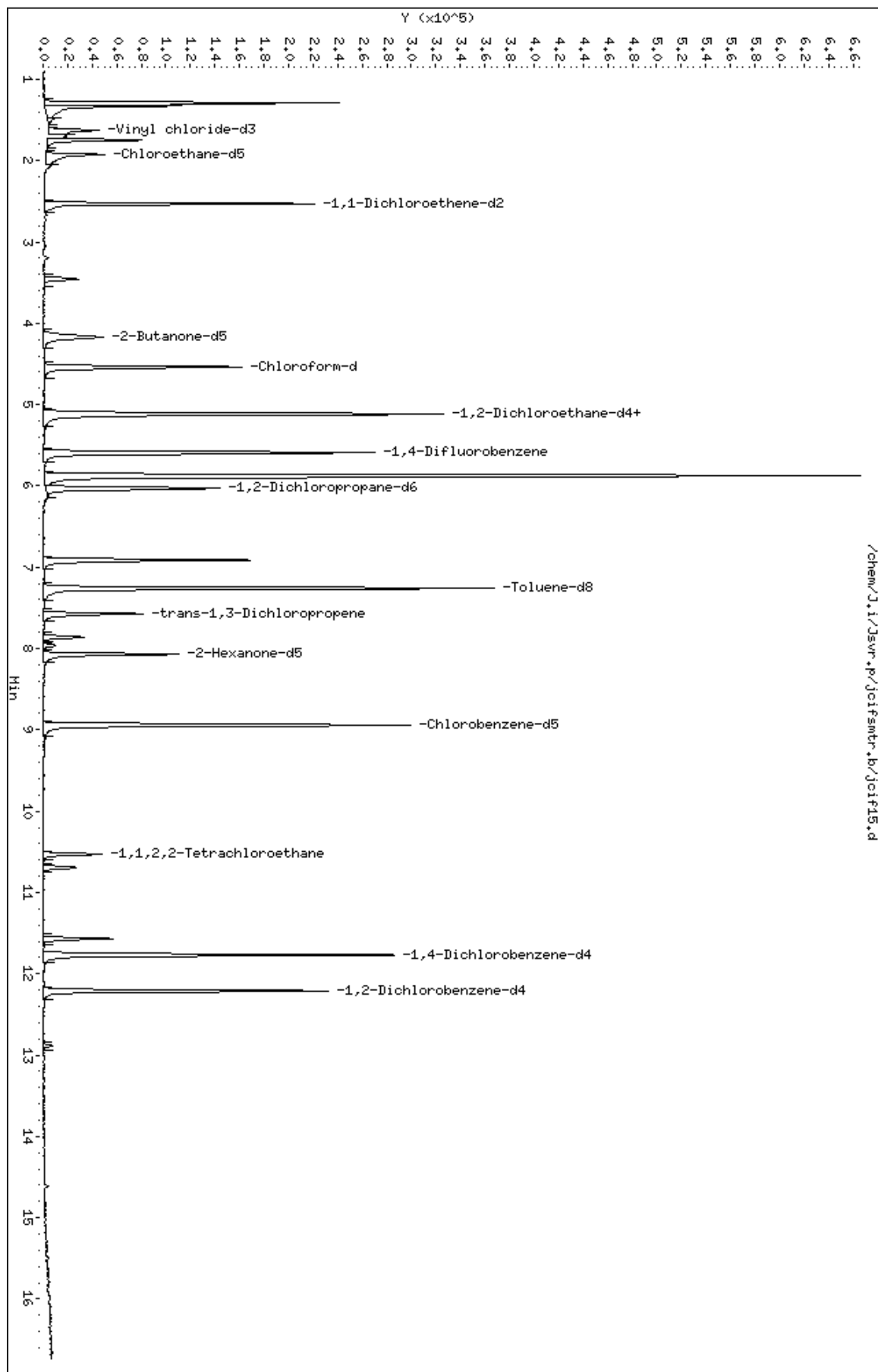
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	589867	125.000
* 50 Chlorobenzene-d5	8.942	635280	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	604809	125.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Trimethylsilyl fluoride					CAS #: 420-56-4		
1.745	145844	30.9061074	8.8	91	NIST05.l	2372	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
3.454	64714	13.7137126	3.9	0		0	32
Unknown					CAS #:		
6.916	368450	78.0789373	22	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.865	78905	15.5256215	4.4	86	NIST05.l	73123	50
Unknown alkane					CAS #:		
11.570	115667	23.9057258	6.8	0		0	61

Data File: /chem/J.i/Jswr.p/joifsmtf.b/joif15.d
 Date: 24-JAN-2011 14:05
 Client ID: MW-2DL
 Sample Info: 200-3445-C-3
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 14:05

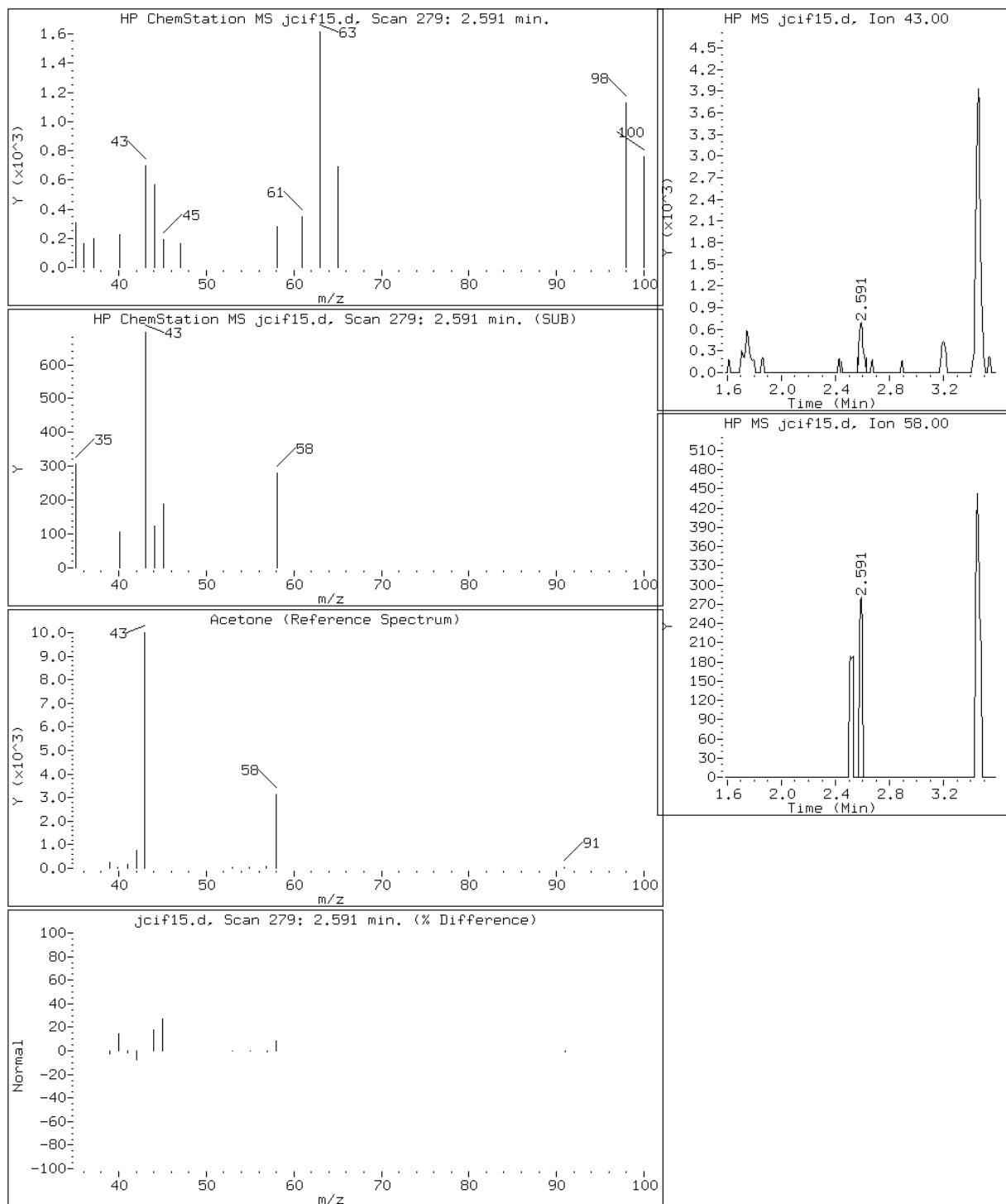
Client ID: MW-2DL

Instrument: J.i

Sample Info: 200-3445-C-3

Operator: JH2

12 Acetone



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 14:05

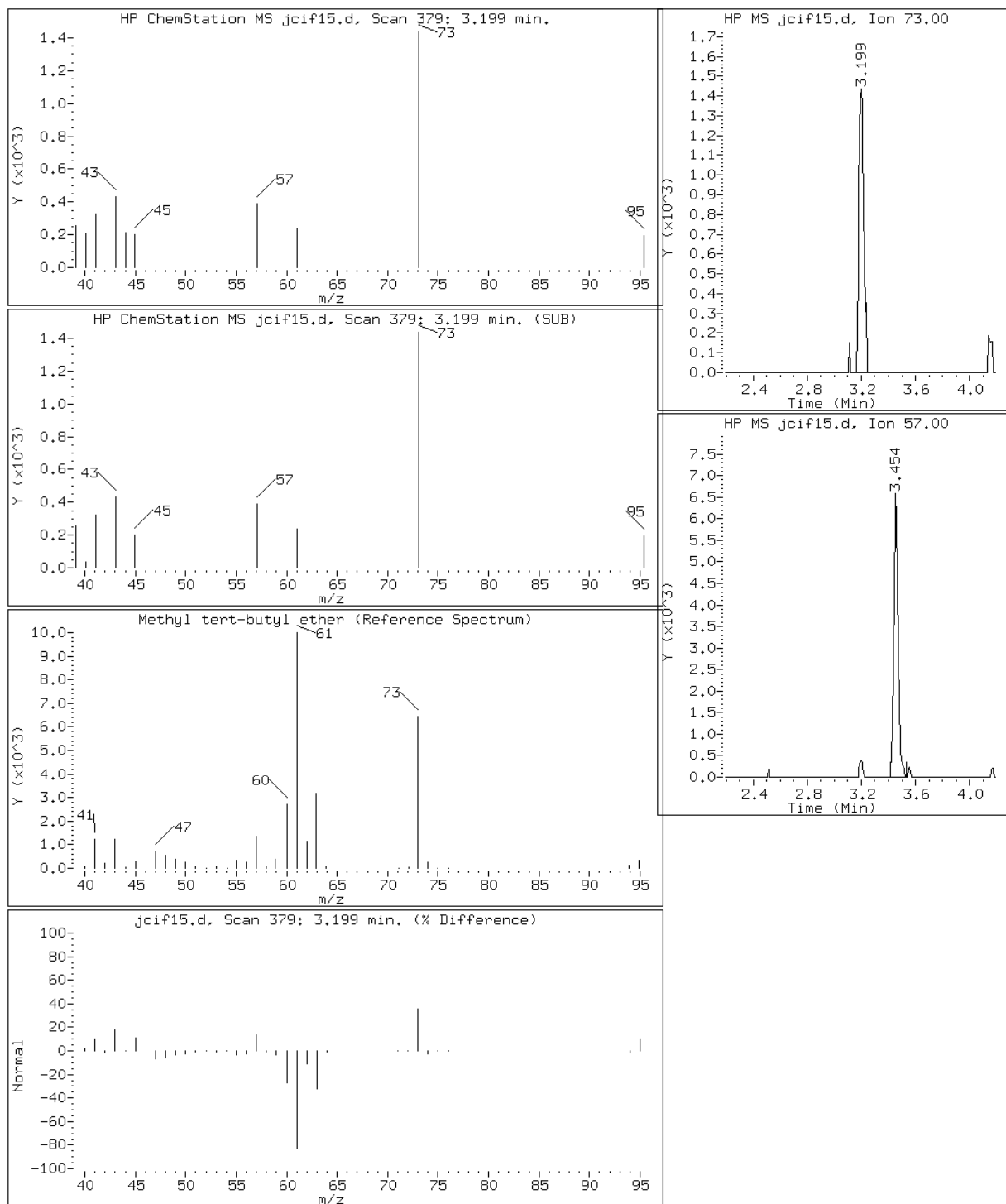
Client ID: MW-2DL

Instrument: J.i

Sample Info: 200-3445-C-3

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 14:05

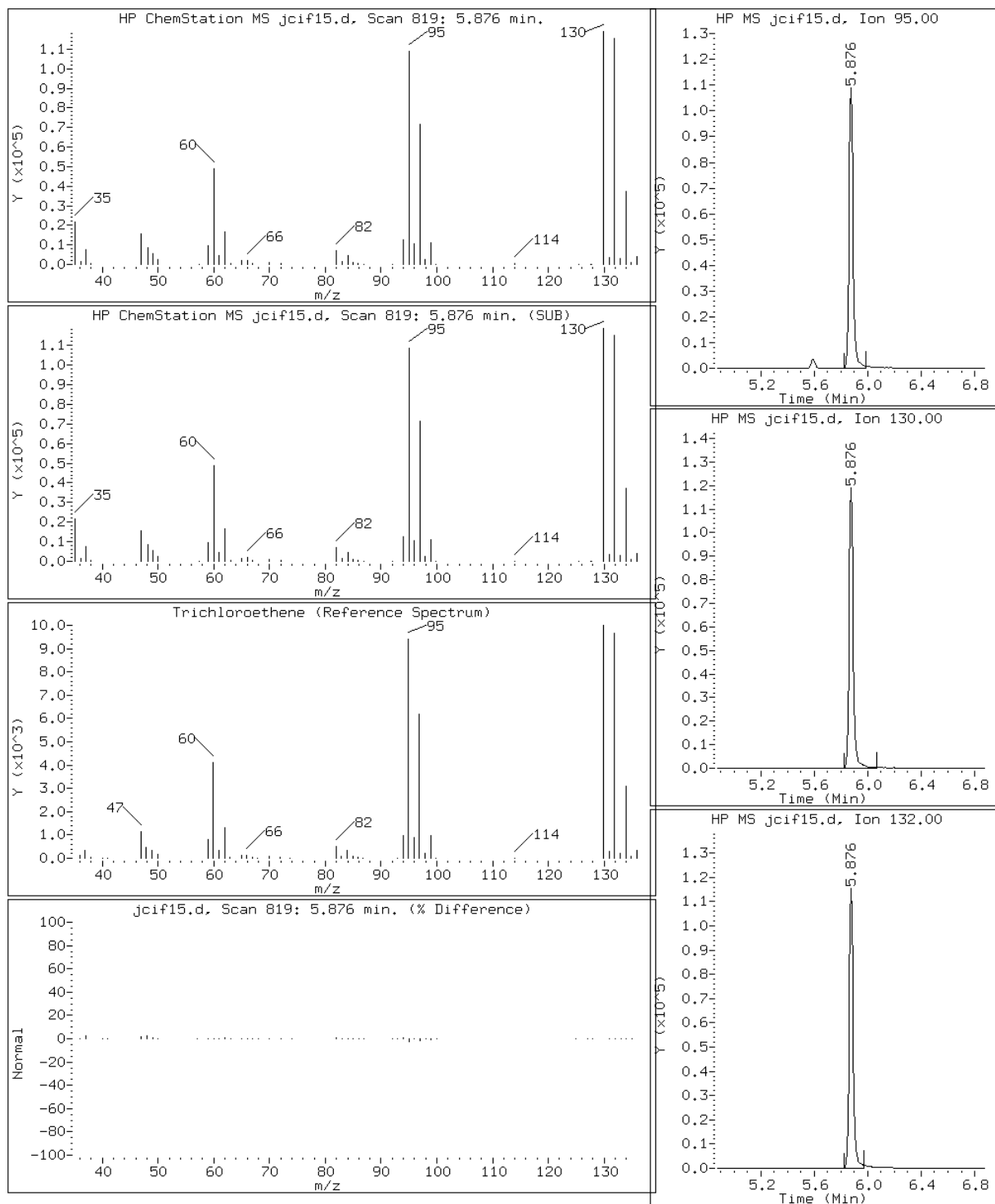
Client ID: MW-2DL

Instrument: J.i

Sample Info: 200-3445-C-3

Operator: JH2

33 Trichloroethene



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Date: 24-JAN-2011 14:05

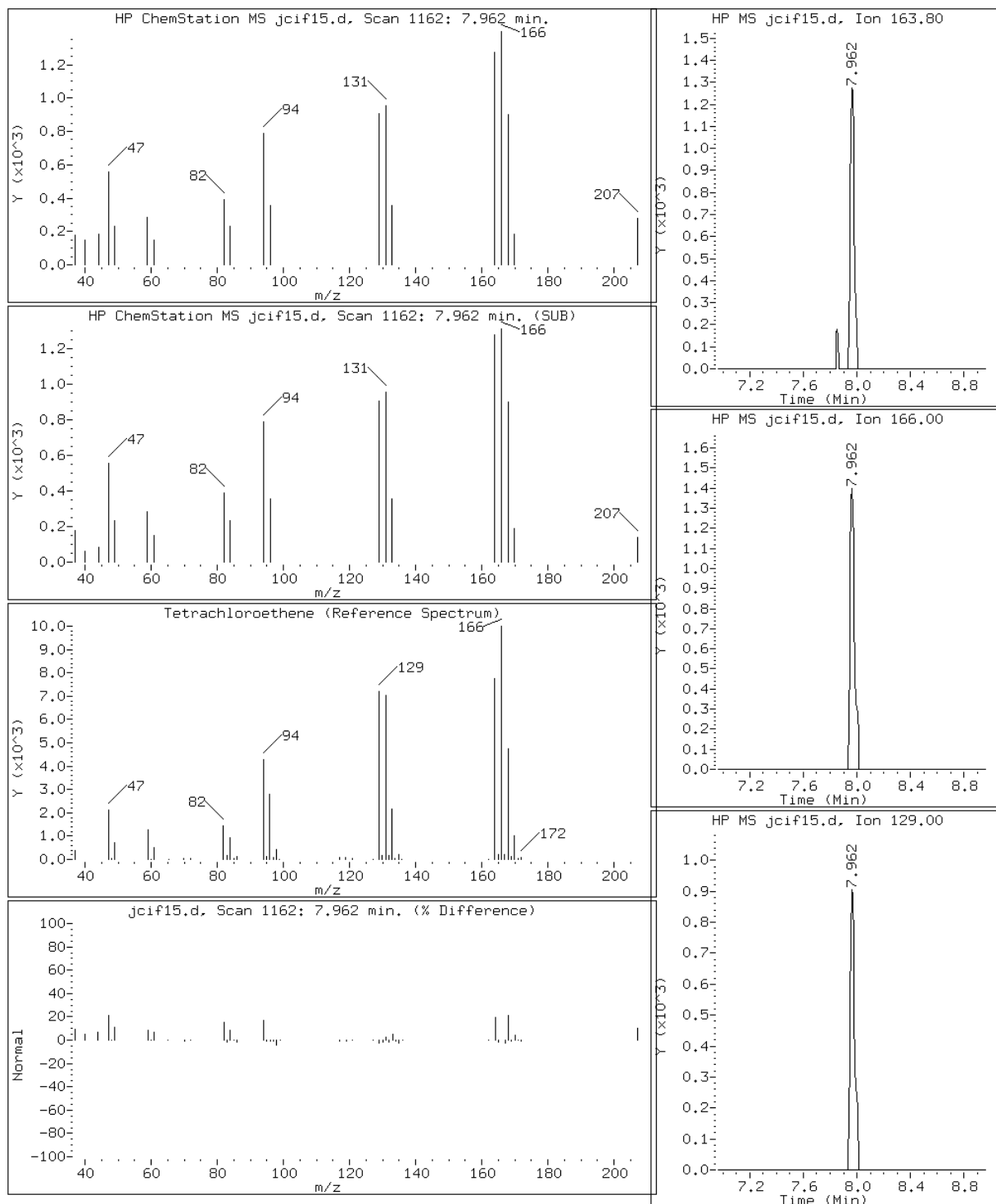
Client ID: MW-2DL

Instrument: J.i

Sample Info: 200-3445-C-3

Operator: JH2

45 Tetrachloroethene



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Client ID: MW-2DL

Sample Info: 200-3445-C-3

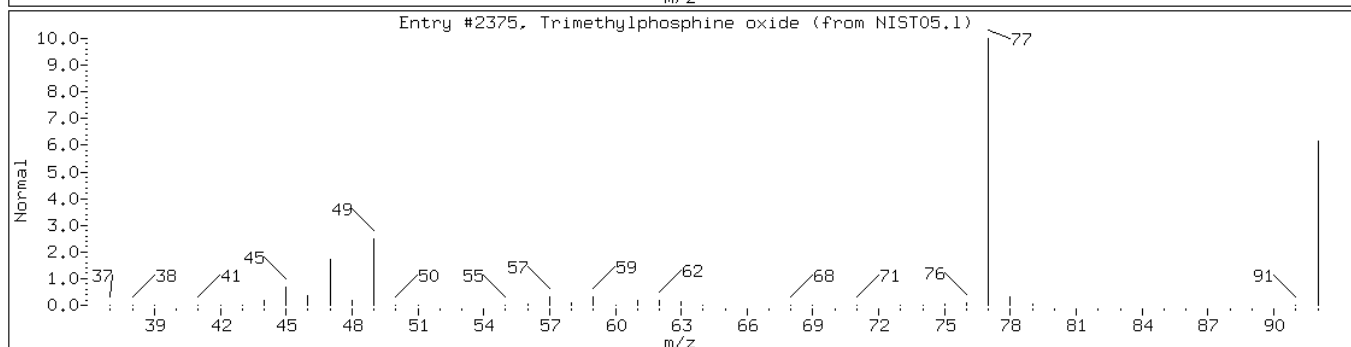
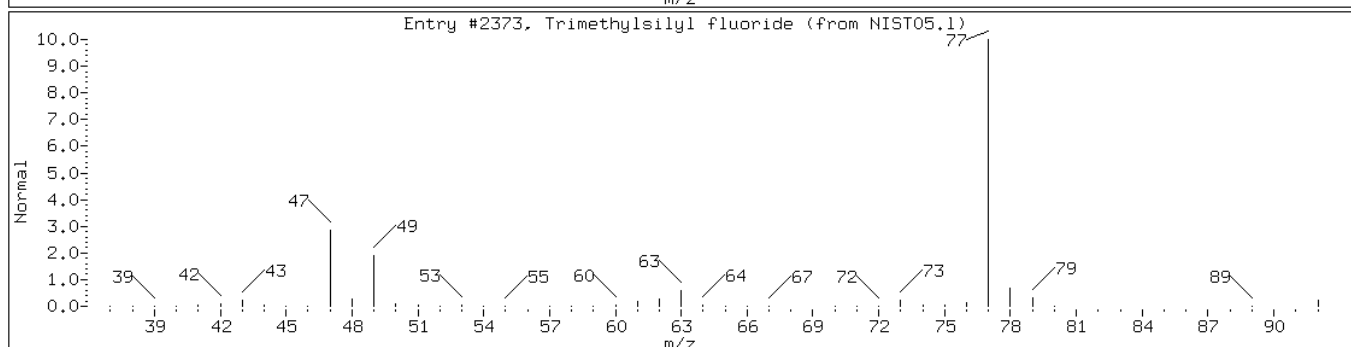
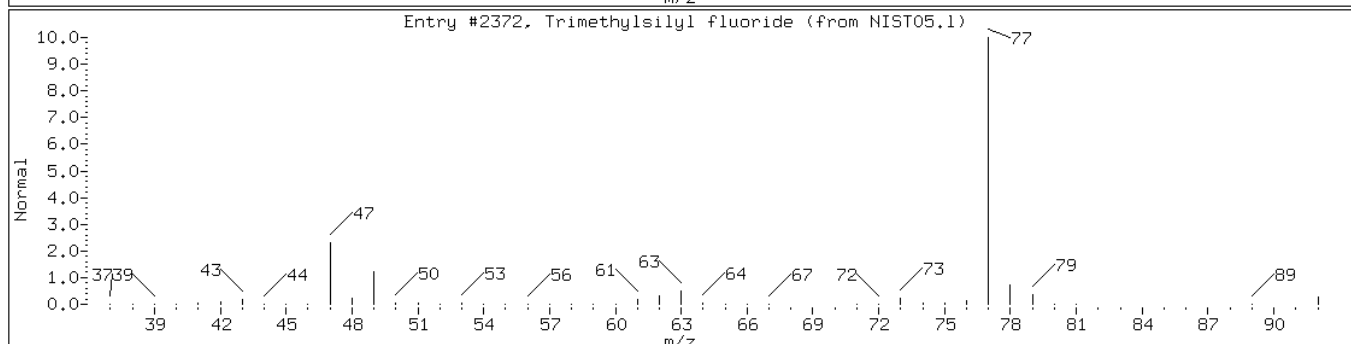
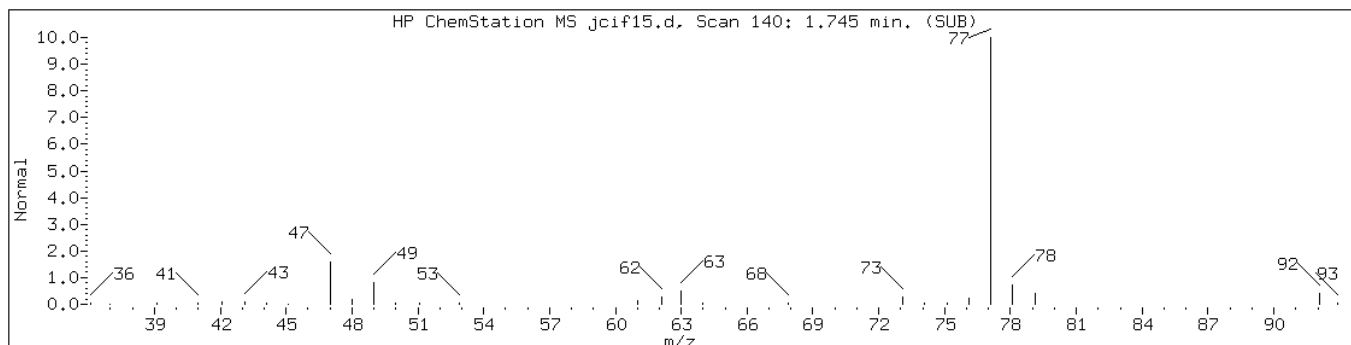
Date: 24-JAN-2011 14:05

Instrument: J.i

Operator: JH2

Retention Time: 1.74

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	87	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	38	C3H9OP	92



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Client ID: MW-2DL

Sample Info: 200-3445-C-3

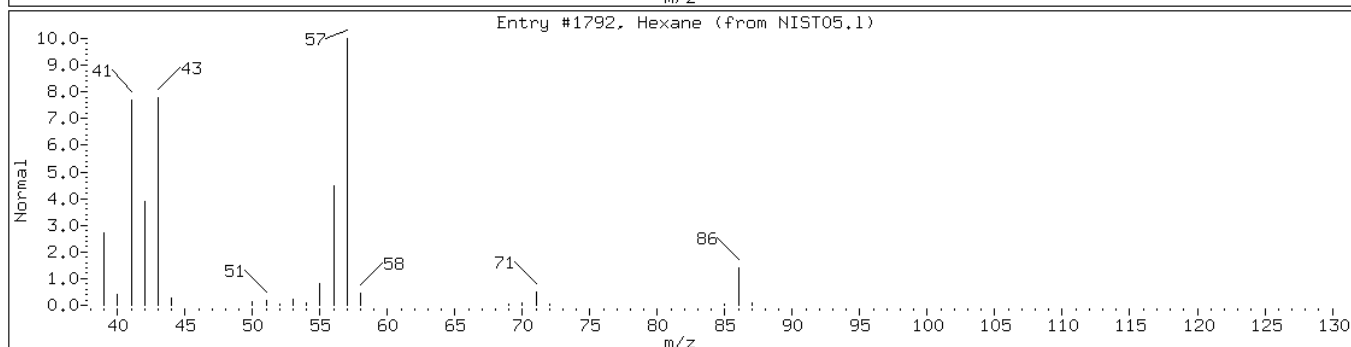
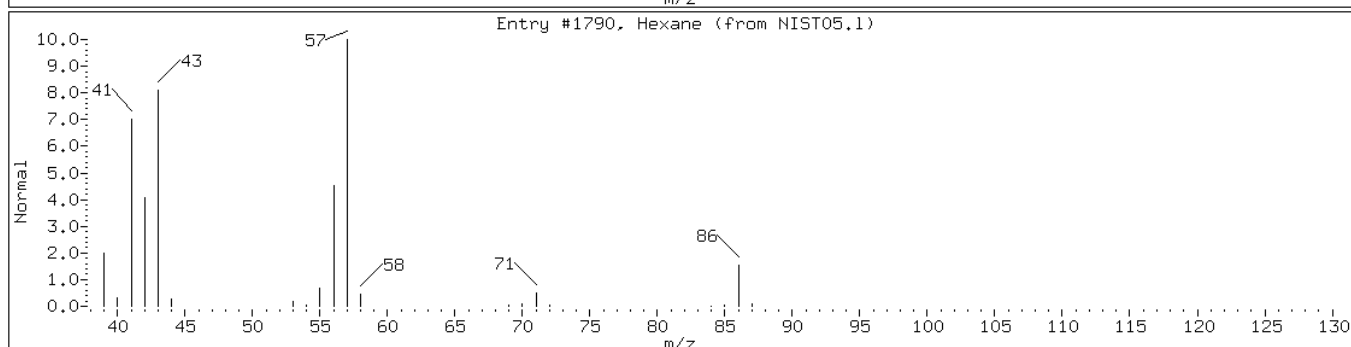
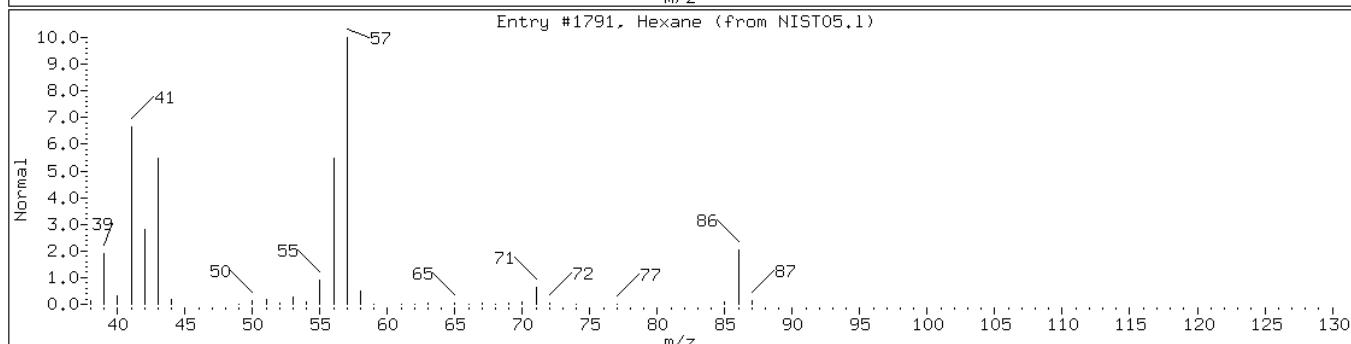
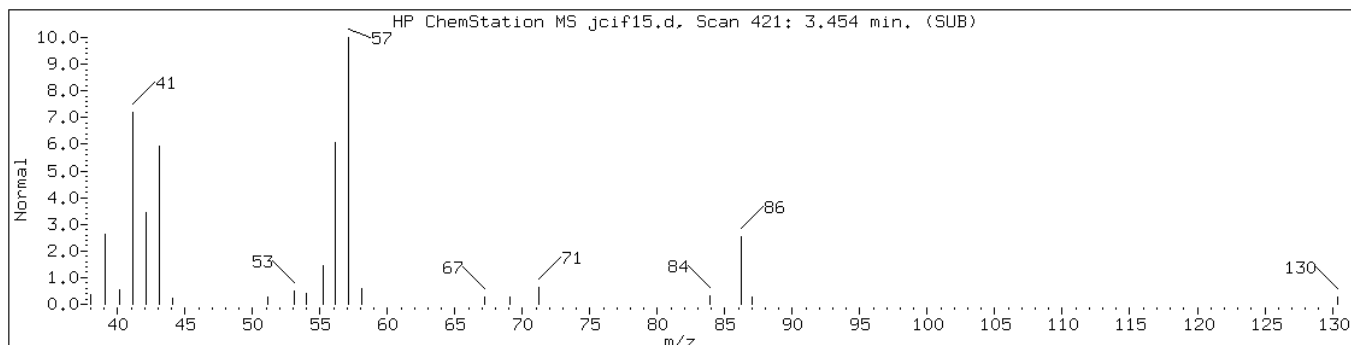
Date: 24-JAN-2011 14:05

Instrument: J.i

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	90	C6H14	86
Hexane	110-54-3	NIST05.1	1790	50	C6H14	86
Hexane	110-54-3	NIST05.1	1792	50	C6H14	86



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Client ID: MW-2DL

Sample Info: 200-3445-C-3

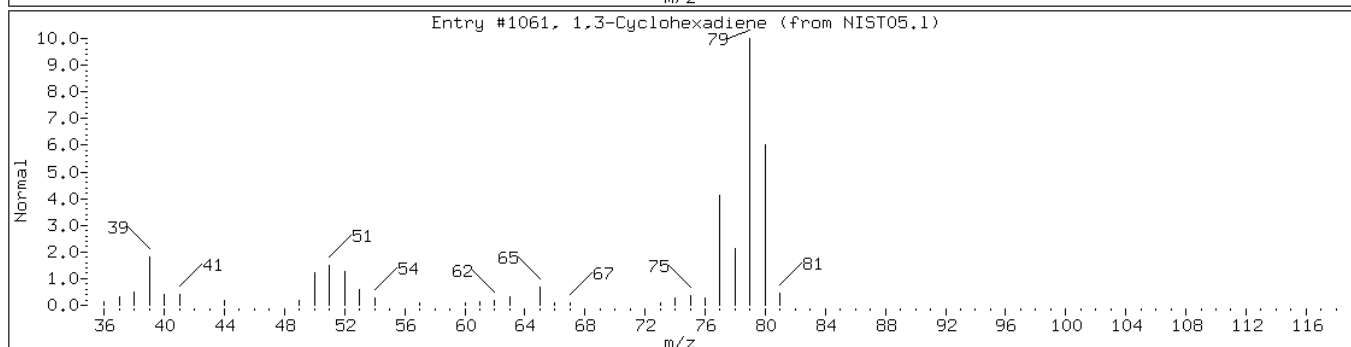
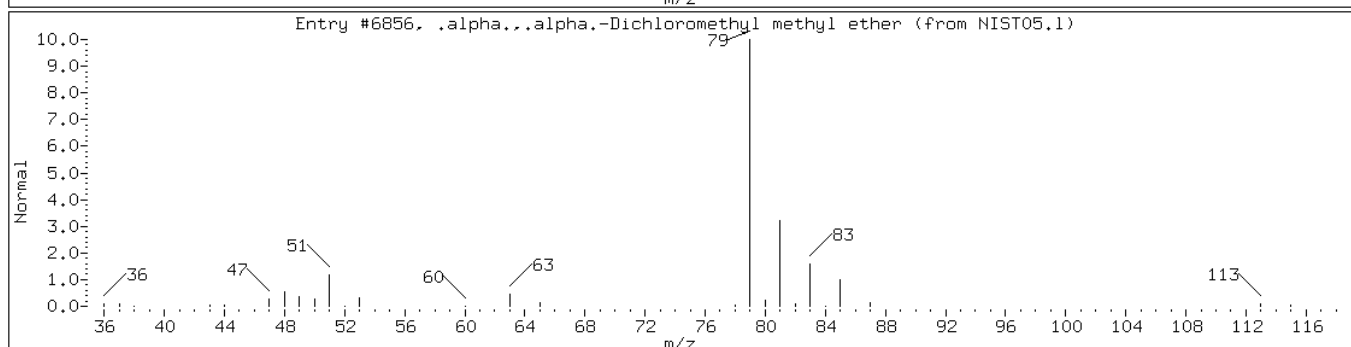
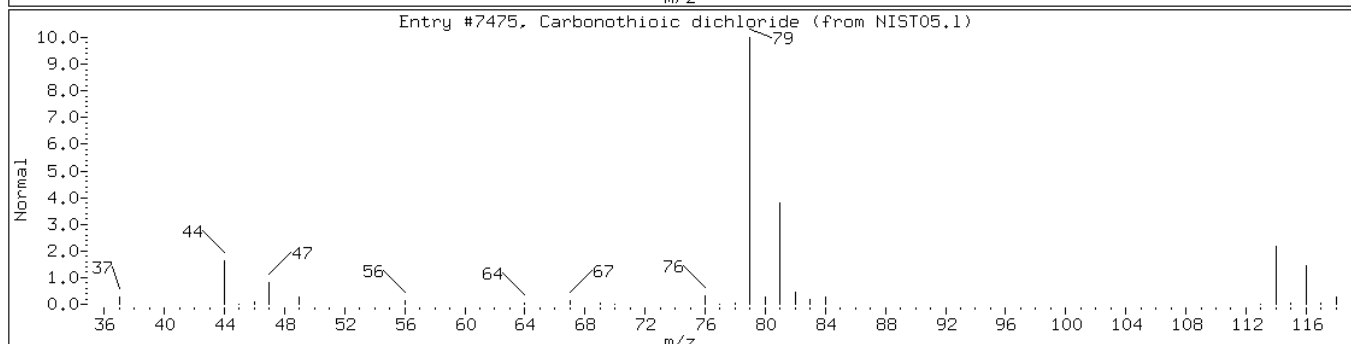
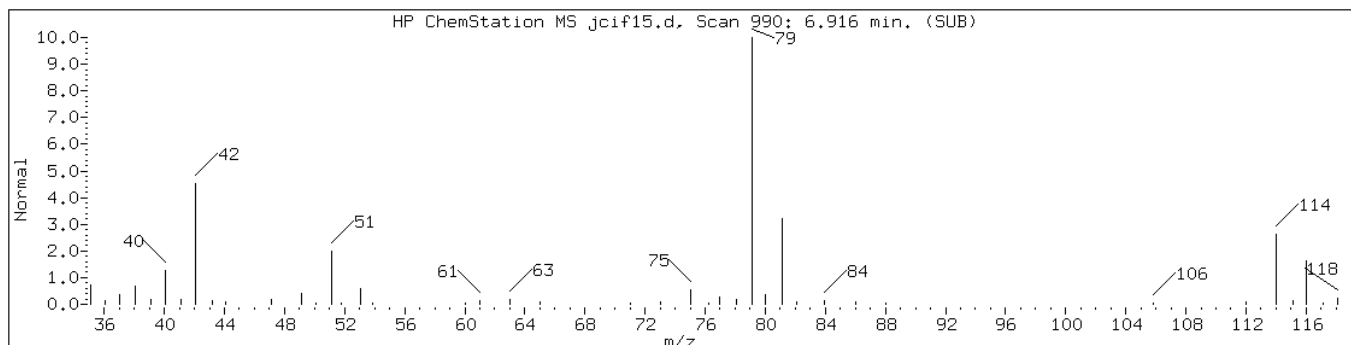
Date: 24-JAN-2011 14:05

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	38	CCl2S	114
.alpha.,.alpha.-Dichloromethyl met	4885-02-3	NIST05.1	6856	25	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Client ID: MW-2DL

Sample Info: 200-3445-C-3

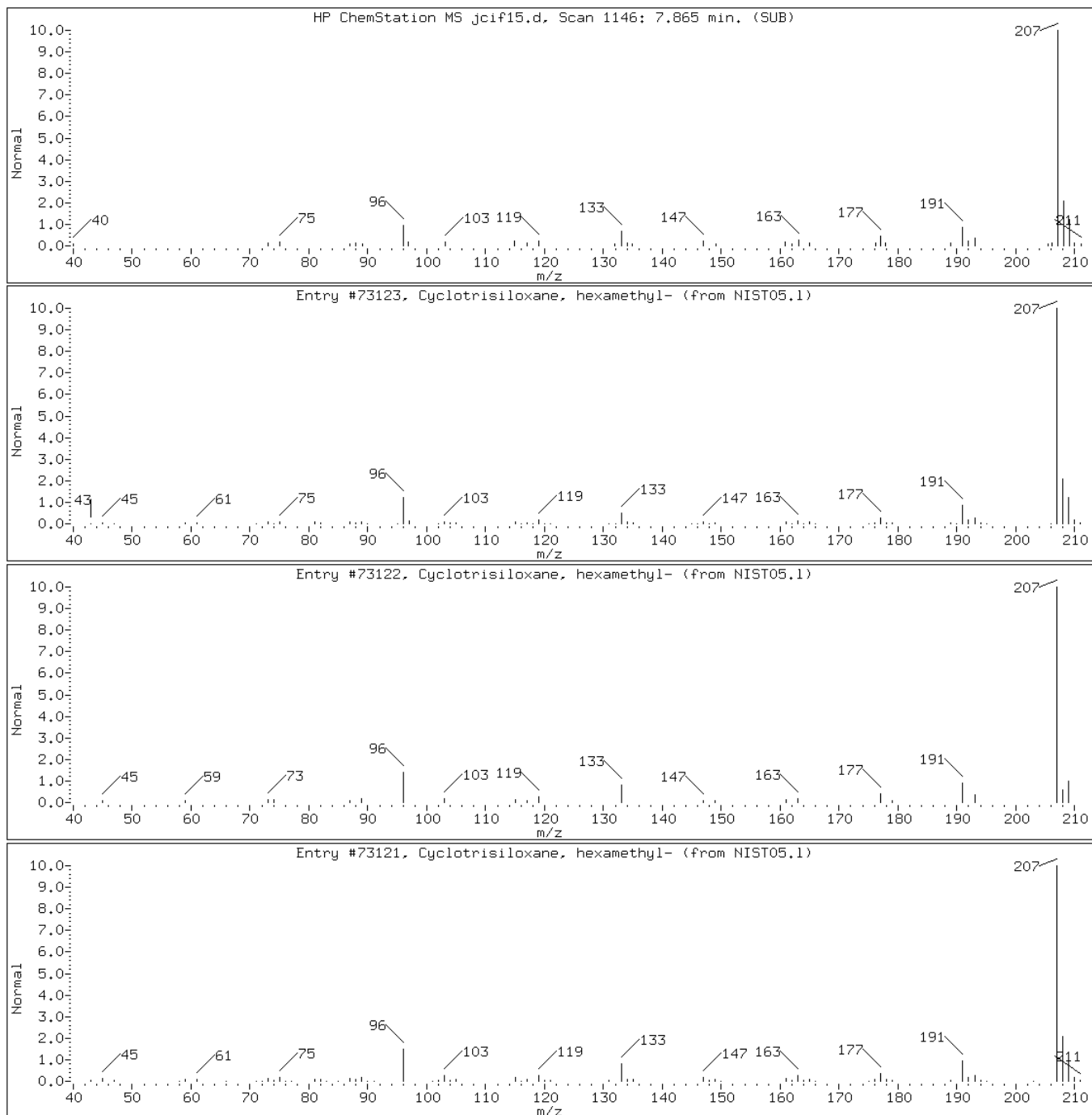
Date: 24-JAN-2011 14:05

Instrument: J.i

Operator: JH2

Retention Time: 7.87

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	86	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C ₆ H ₁₈ O ₃ Si ₃	222



Data File: jcif15.d

Lab Sample ID: 200-3445-3

Client ID: MW-2DL

Sample Info: 200-3445-C-3

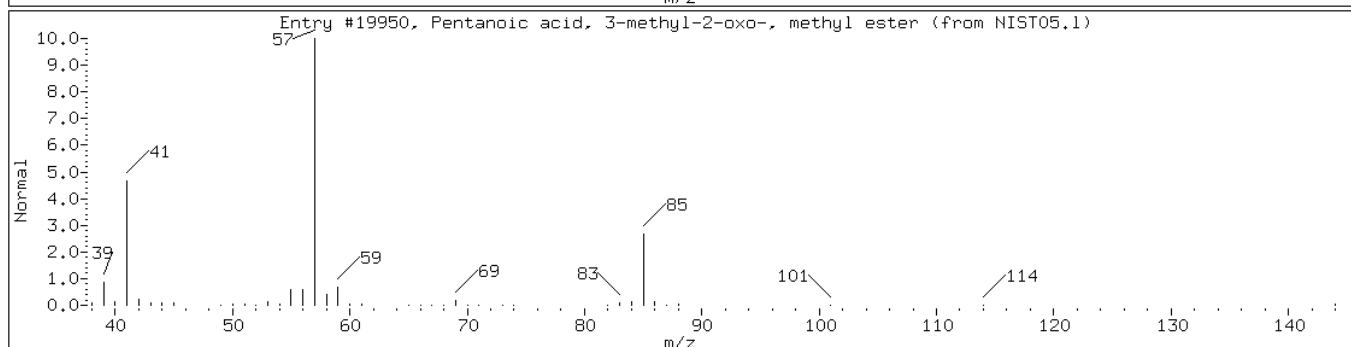
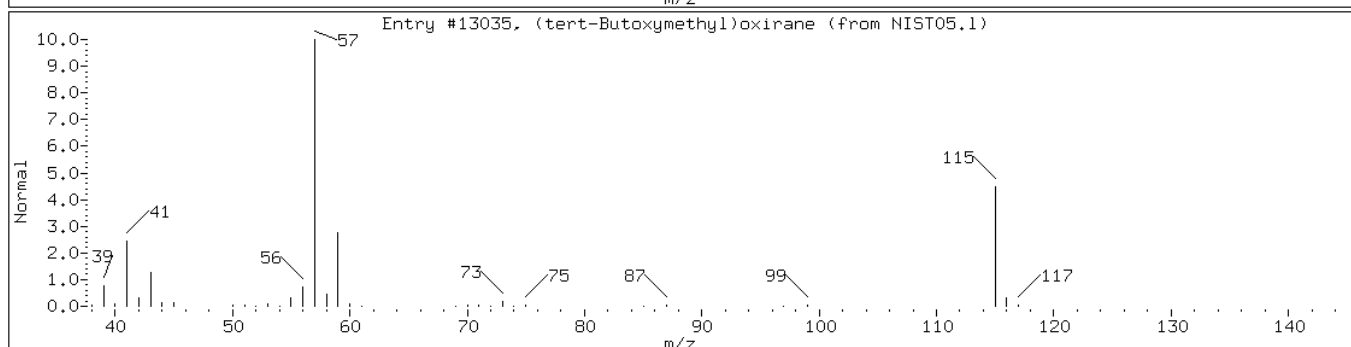
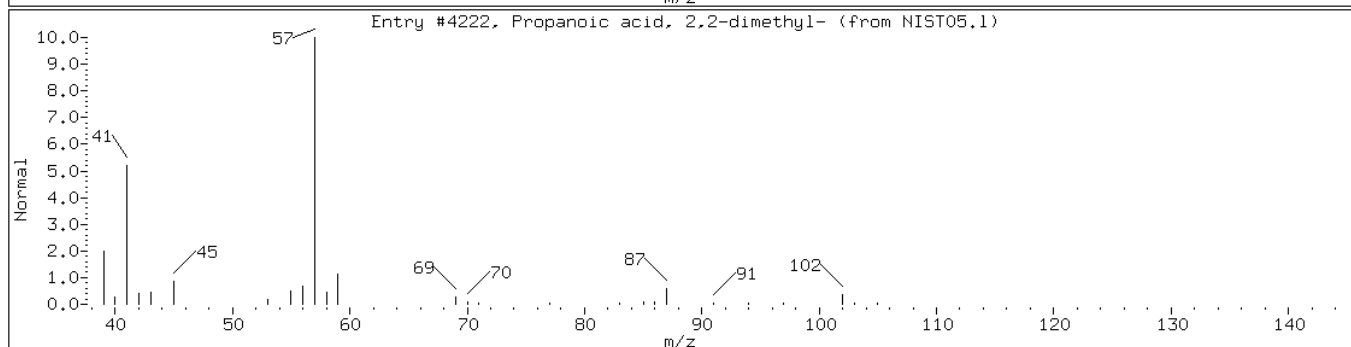
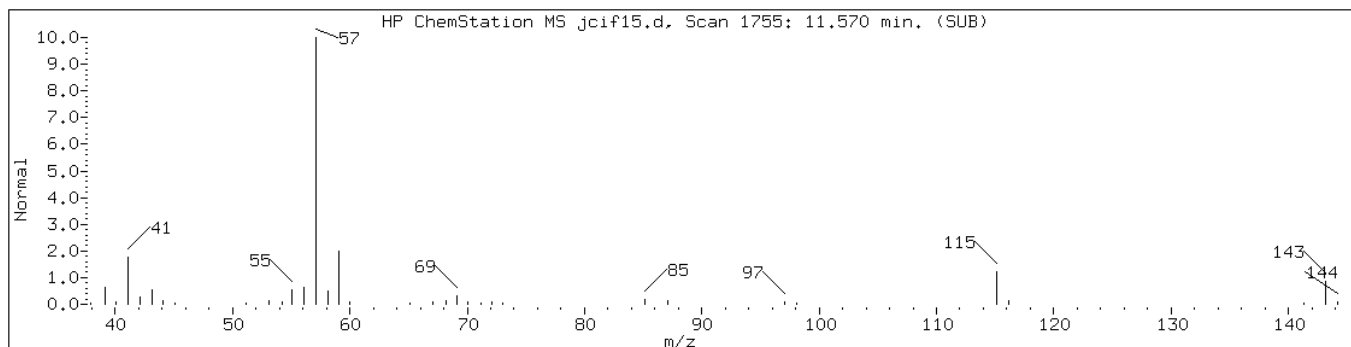
Date: 24-JAN-2011 14:05

Instrument: J.i

Operator: JH2

Retention Time: 11.57

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Propanoic acid, 2,2-dimethyl-	75-98-9	NIST05.1	4222	47	C5H10O2	102
(tert-Butoxymethyl)oxirane	7665-72-7	NIST05.1	13035	38	C7H14O2	130
Pentanoic acid, 3-methyl-2-oxo-, m	3682-42-6	NIST05.1	19950	38	C7H12O3	144



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-3445-1</u>
SDG No.: <u>200-3445-1</u>	
Client Sample ID: <u>MW-3</u>	Lab Sample ID: <u>200-3445-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>jcim20.d</u>
Analysis Method: <u>SOM01.2/VOA_Tr</u>	Date Collected: <u>01/20/2011 13:15</u>
Sample wt/vol: <u>25 (mL)</u>	Date Analyzed: <u>01/28/2011 23:20</u>
Soil Aliquot Vol: <u></u>	Dilution Factor: <u>1</u>
Soil Extract Vol.: <u></u>	GC Column: <u>DB-624</u> ID: <u>0.2 (mm)</u>
% Moisture: <u></u>	Level: (low/med) <u>Trace</u>
Analysis Batch No.: <u>12879</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	9.3	B	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	1.3	B	0.50	0.032
75-34-3	1,1-Dichloroethane	0.14	J	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.30	J	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.13	J	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.040	J	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.068	J B	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.094	J B	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-3 Lab Sample ID: 200-3445-4
 Matrix: Water Lab File ID: jcim20.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 13:15
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 23:20
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	1.8		0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	108		65-131
19199-91-8	Chloroethane-d5	117		71-131
22280-73-5	1,1-Dichloroethene-d2	86		55-104
24313-50-6	2-Butanone-d5	97		49-155
865-49-6	Chloroform-d	106		78-121
17060-07-0	1,2-Dichloroethane-d4	105		78-129
1076-43-3	Benzene-d6	110		77-124
93952-08-0	1,2-Dichloropropane-d6	98		79-124
2037-26-5	Toluene-d8	110		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	104		73-121
4840-82-8	2-Hexanone-d5	105		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	104		73-125
2199-69-1	1,2-Dichlorobenzene-d4	111		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-3 Lab Sample ID: 200-3445-4
Matrix: Water Lab File ID: jcim20.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 13:15
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 23:20
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L
Number TICs Found: 6 TIC Result Total: 14.18

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Trimethylsilyl fluoride	1.75	1.8	J N
	Unknown	6.92	3.0	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.87	0.63	B J N
	Unknown siloxane derivative	10.69	0.65	B J
	Unknown	11.57	6.5	J
591-17-3	Benzene, 1-bromo-3-methyl-	12.31	1.6	J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-3 Lab Sample ID: 200-3445-4
Matrix: Water Lab File ID: jcim20.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 13:15
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 23:20
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-4
Client Smp ID: MW-3
Inj Date : 28-JAN-2011 23:20
Operator : JH2
Smp Info : 200-3445-D-4
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 39
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

						CONCENTRATIONS		
		QUANT	SIG			ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====		=====	==	=====	=====	=====	=====	=====
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
\$ 3	Vinyl chloride-d3	65	1.623	1.623	(0.290)	89918	134.566	5.4
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
\$ 6	Chloroethane-d5	69	1.921	1.927	(0.343)	80793	146.207	5.8
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
\$ 9	1,1-Dichloroethene-d2	63	2.530	2.536	(0.452)	129942	107.102	4.3
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	2.591	2.584	(0.463)	8332	231.429	9.3
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					
15	Methylene chloride	84	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96		Compound Not Detected.				
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	21739	33.0432	1.3
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	3231	3.42292	0.14(a)
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	57568	1206.82	48
20 cis-1,2-Dichloroethene	96		Compound Not Detected.				
21 2-Butanone	43		Compound Not Detected.				
22 Bromochloromethane	128		Compound Not Detected.				
\$ 23 Chloroform-d	84	4.537	4.537	(0.811)	133862	132.871	5.3(Q)
24 Chloroform	83	4.556	4.562	(0.814)	7030	7.47611	0.30(a)
25 1,1,1-Trichloroethane	97	4.750	4.756	(0.531)	3110	3.27816	0.13(a)
26 Cyclohexane	56		Compound Not Detected.				
27 Carbon tetrachloride	117	4.933	4.933	(0.552)	885	1.00047	0.040(a)
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	46554	131.601	5.3
\$ 29 Benzene-d6	84	5.121	5.121	(0.573)	294454	137.825	5.5
30 Benzene	78		Compound Not Detected.				
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	243360	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	1007	1.69017	0.068(a)
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	65892	121.909	4.9
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
37 Bromodichloromethane	83		Compound Not Detected.				
38 cis-1,3-Dichloropropene	75		Compound Not Detected.				
39 4-Methyl-2-pentanone	43		Compound Not Detected.				
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	274986	137.276	5.5
41 Toluene	91		Compound Not Detected.				
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	49719	130.541	5.2
43 trans-1,3-Dichloropropene	75		Compound Not Detected.				
44 1,1,2-Trichloroethane	97		Compound Not Detected.				
45 Tetrachloroethene	164	7.969	7.962	(0.891)	1292	2.36015	0.094(aQ)
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)	47016	1311.97	52
47 2-Hexanone	43		Compound Not Detected.				
48 Dibromochloromethane	129		Compound Not Detected.				
49 1,2-Dibromoethane	107		Compound Not Detected.				
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	199129	125.000	
51 Chlorobenzene	112		Compound Not Detected.				
52 Ethylbenzene	91		Compound Not Detected.				
53 m,p-Xylene	106		Compound Not Detected.				
54 Styrene	104		Compound Not Detected.				
55 o-Xylene	106		Compound Not Detected.				
56 Bromoform	173	9.964	9.964	(0.846)	6871	44.3890	1.8
57 Isopropylbenzene	105		Compound Not Detected.				
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	27643	129.505	5.2
59 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				
60 1,3-Dichlorobenzene	146		Compound Not Detected.				
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	95835	125.000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	78777	138.433	5.5(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-4
Client Smp ID: MW-3
Inj Date : 28-JAN-2011 23:20
Operator : JH2
Smp Info : 200-3445-D-4
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 39
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

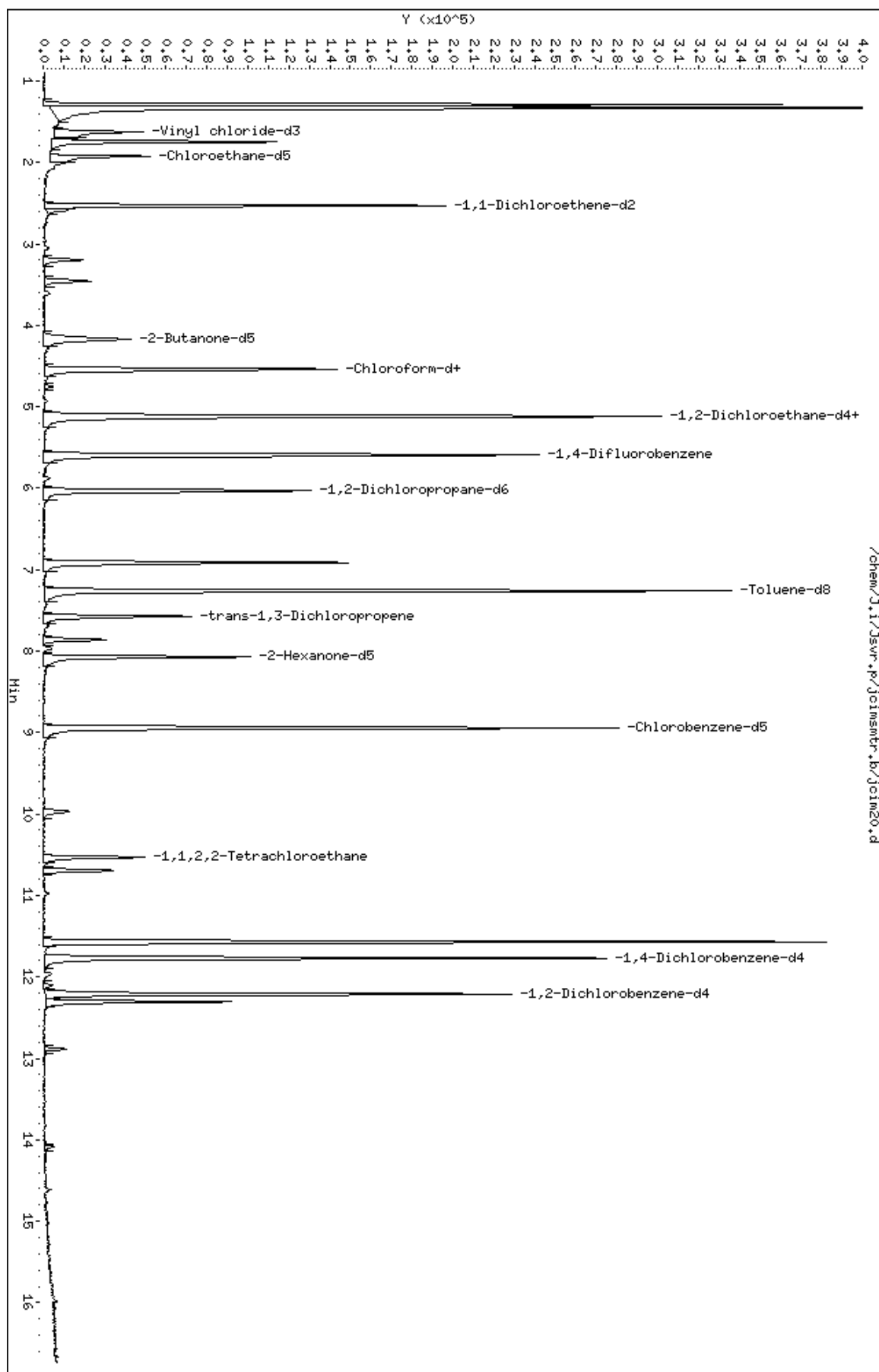
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	539437	125.000
* 50 Chlorobenzene-d5	8.942	584742	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	567699	125.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Trimethylsilyl fluoride					CAS #: 420-56-4		
1.745	197865	45.8497980	1.8	91	NIST05.1	2373	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.916	323782	75.0278478	3.0	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.865	73864	15.7898702	0.63	83	NIST05.1	73123	50
Unknown siloxane derivative					CAS #:		
10.694	74272	16.3537987	0.65	0		0	61
Unknown					CAS #:		
11.570	740663	163.084228	6.5	0		0	61
Benzene, 1-bromo-3-methyl-					CAS #: 591-17-3		
12.306	183333	40.3674883	1.6	97	NIST05.1	36684	61

Data File: /chem/J.i/Jswr.p/joimsnr.b/joim20.d
 Date : 28-JAN-2011 23:20
 Client ID: MM-3
 Sample Info: 200-3445-D-4
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

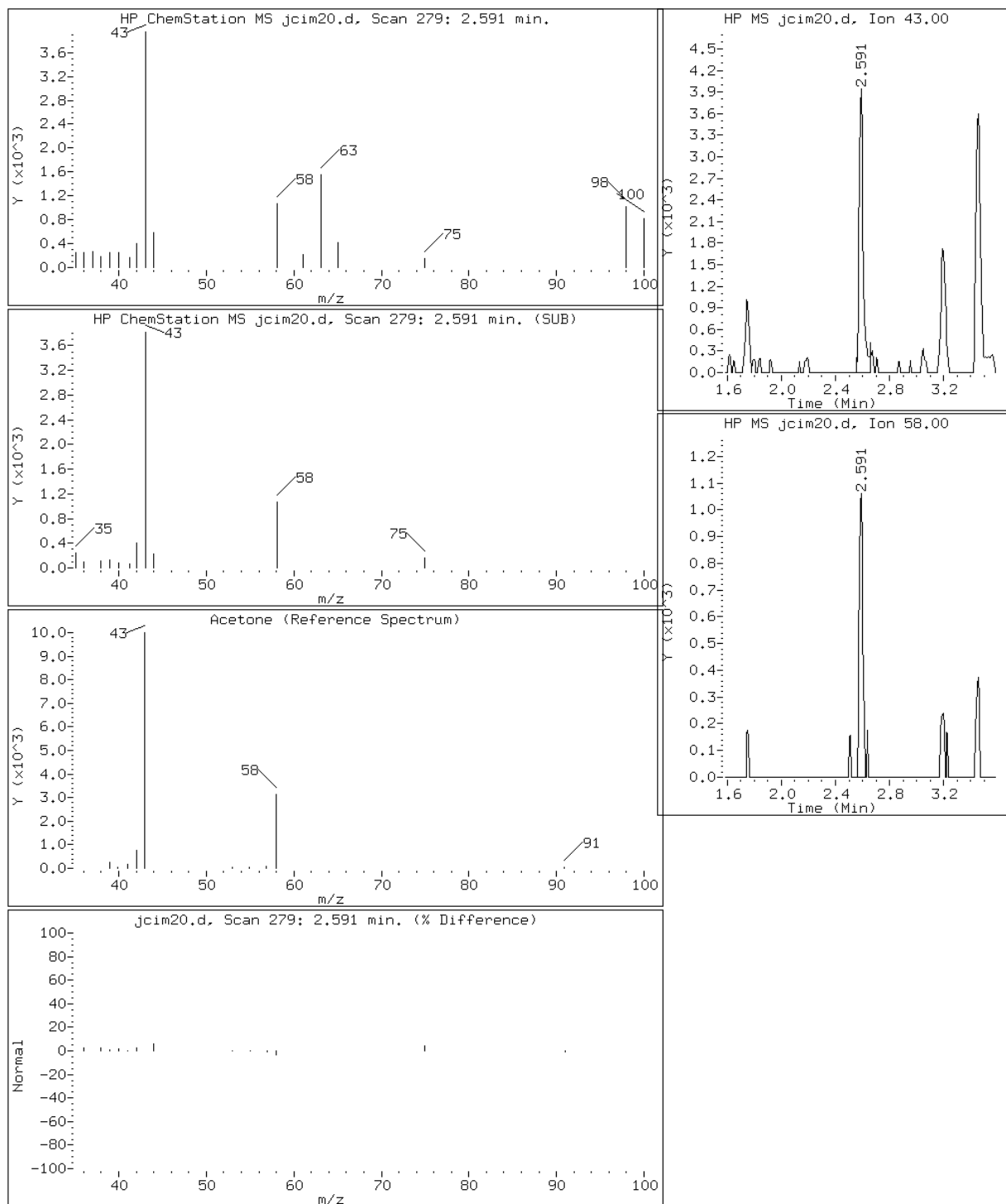
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

12 Acetone



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

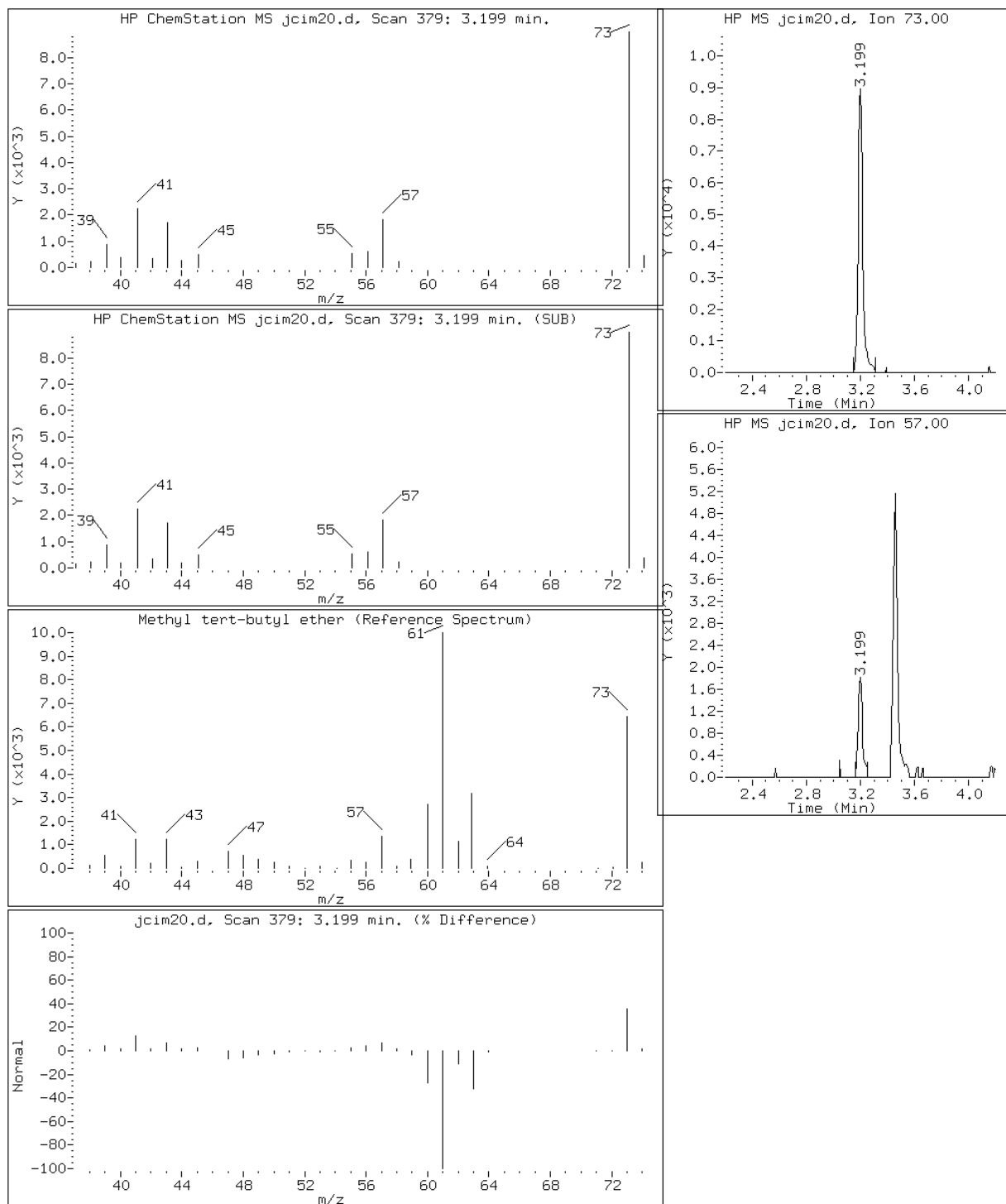
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

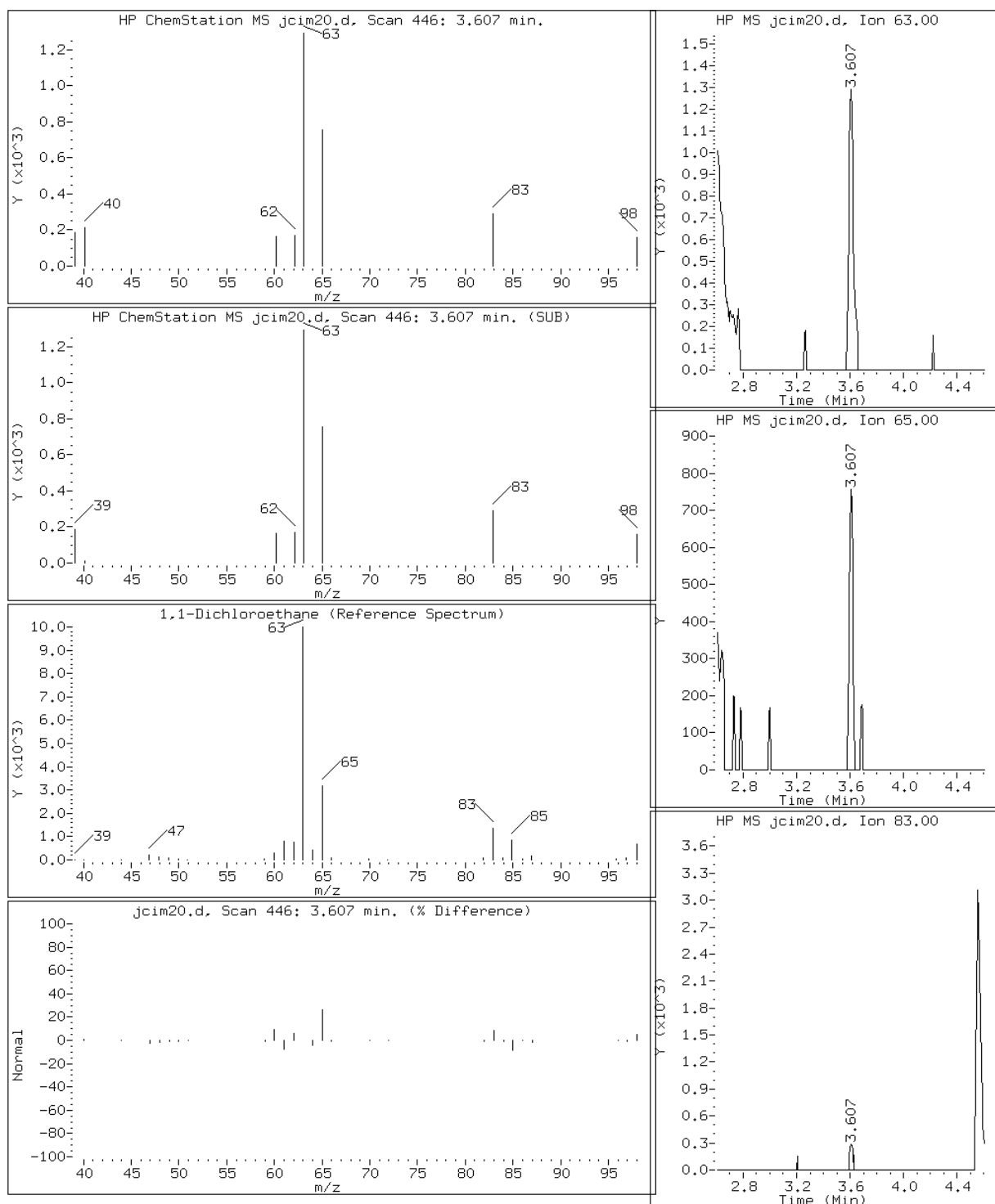
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

18 1,1-Dichloroethane



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

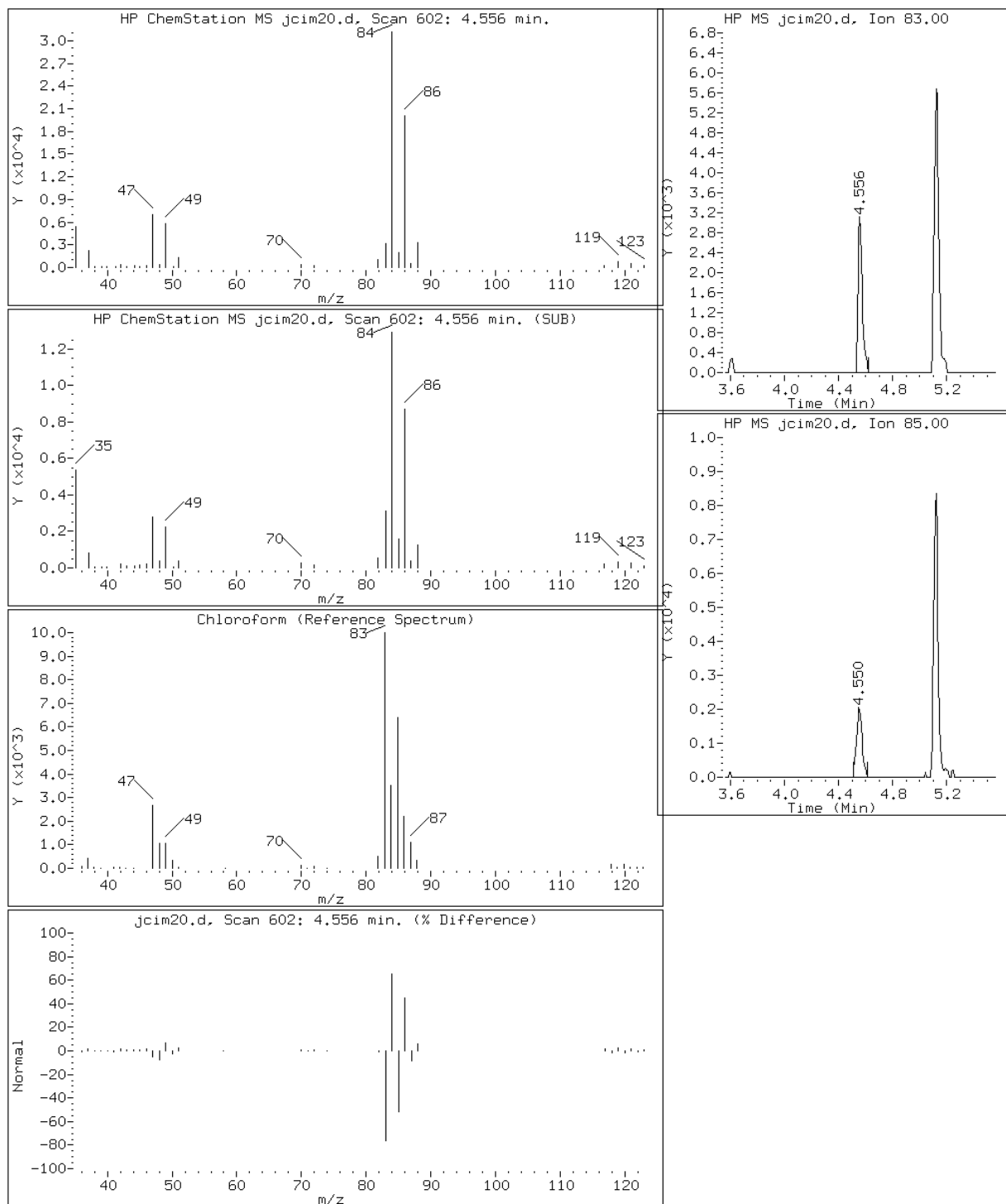
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

24 Chloroform



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

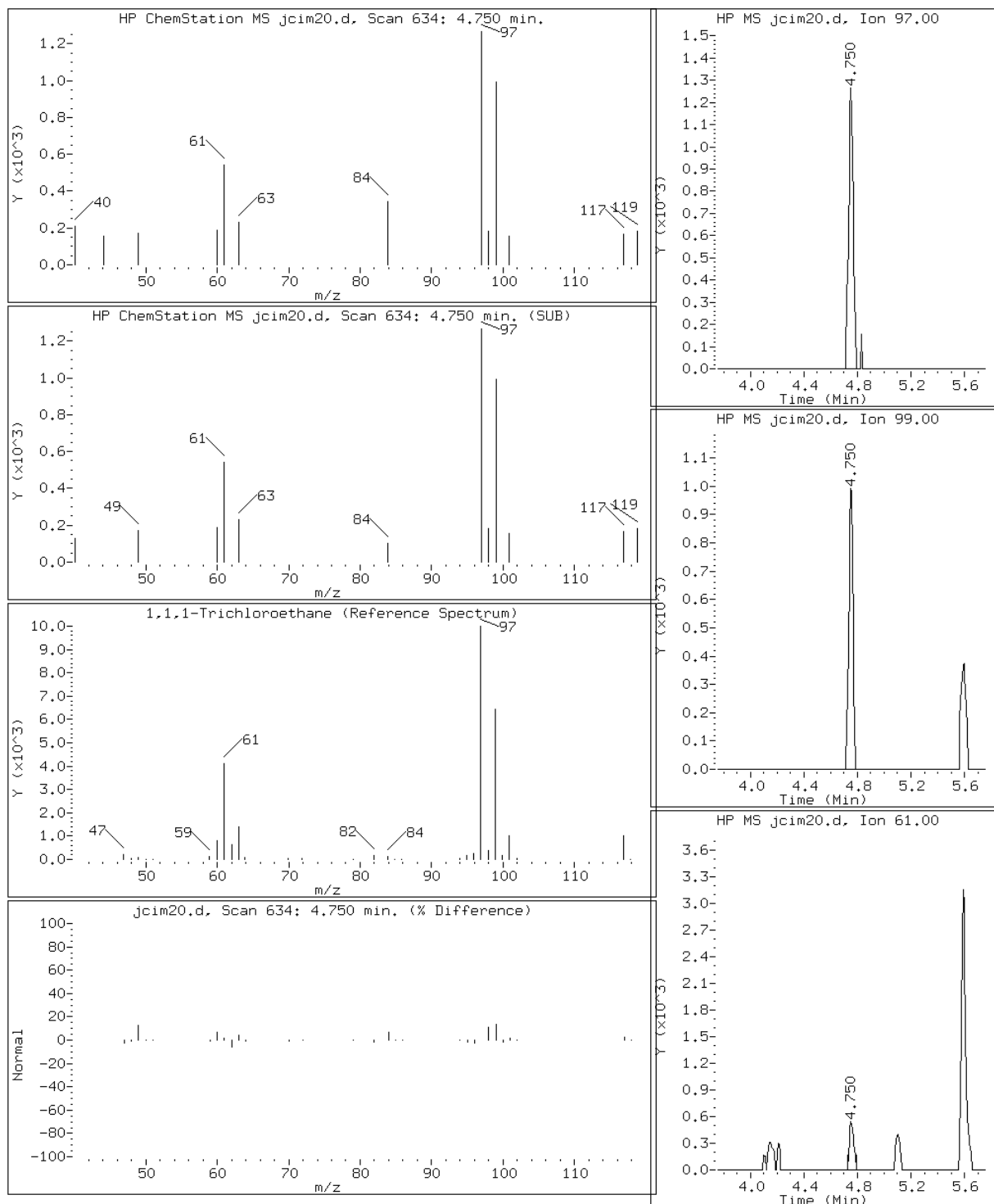
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

25 1,1,1-Trichloroethane



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

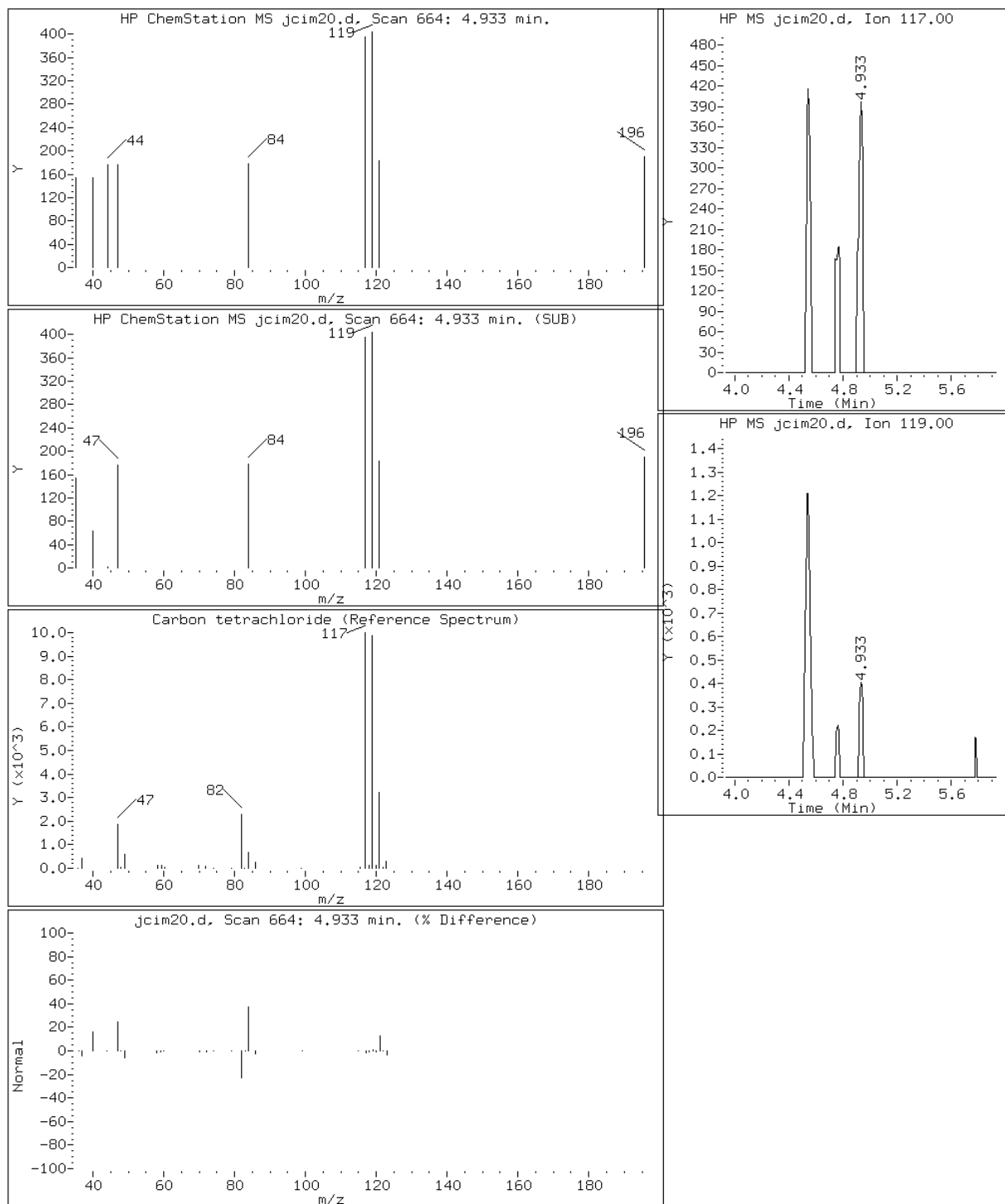
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

27 Carbon tetrachloride



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

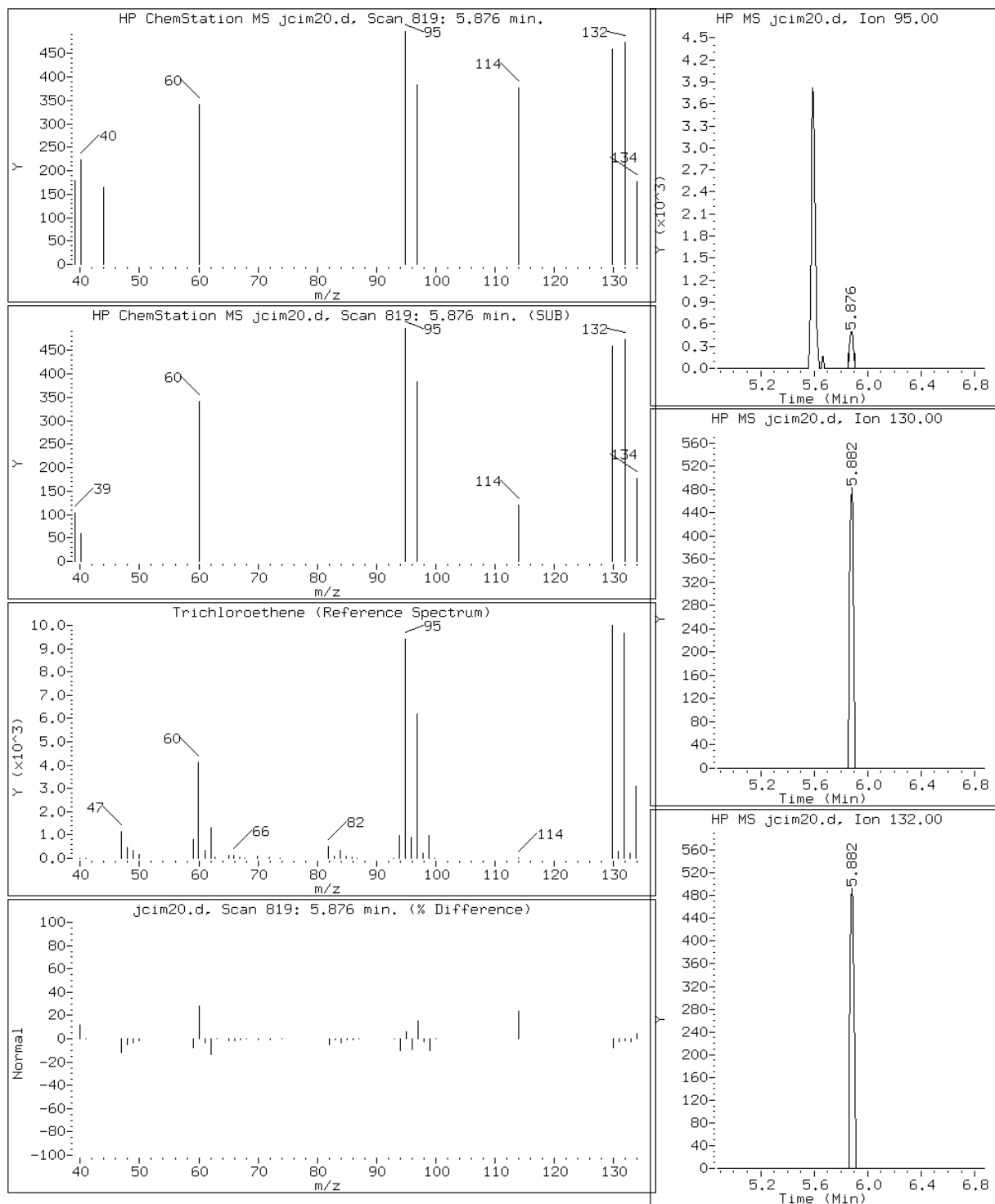
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

33 Trichloroethene



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

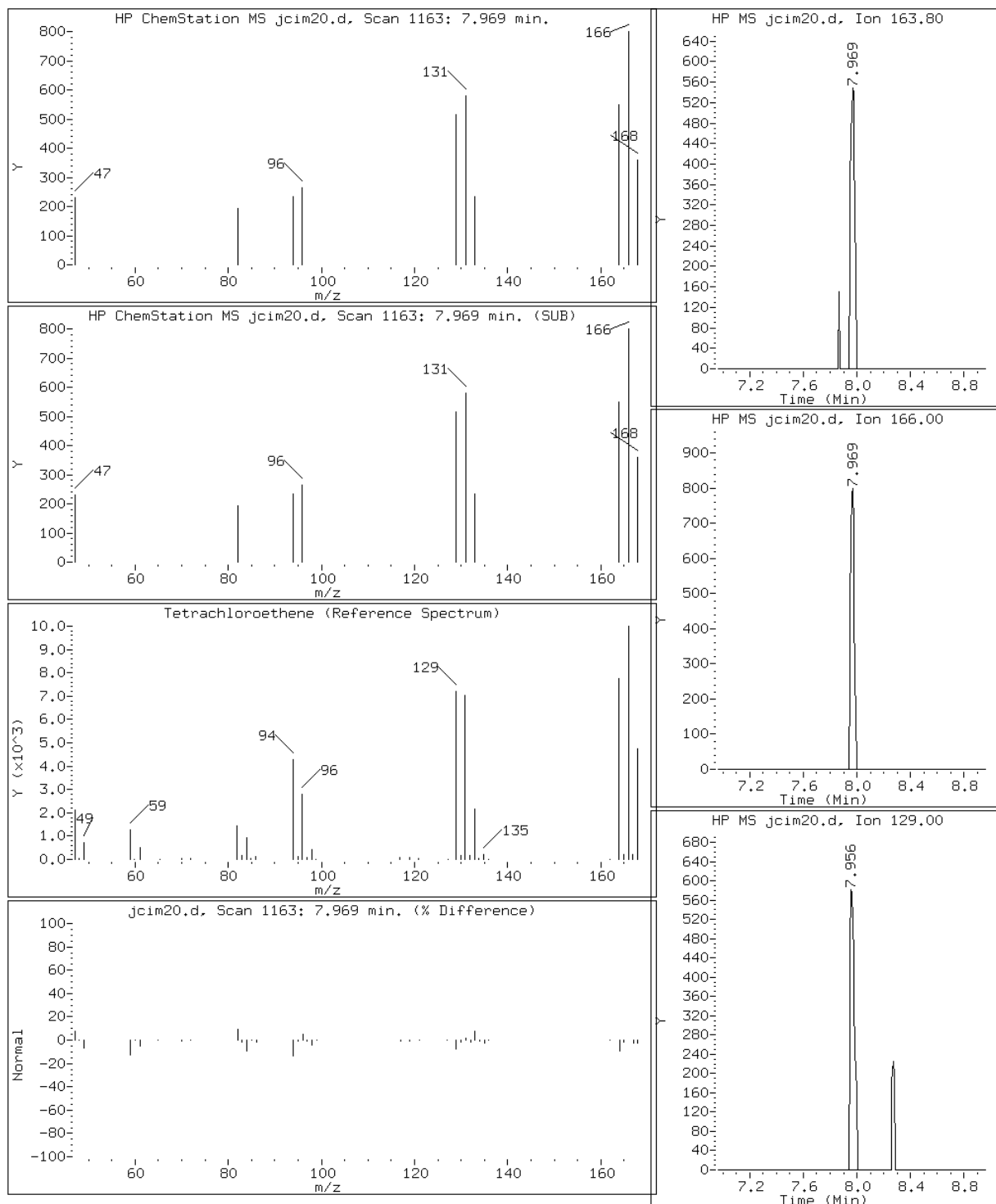
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

45 Tetrachloroethene



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

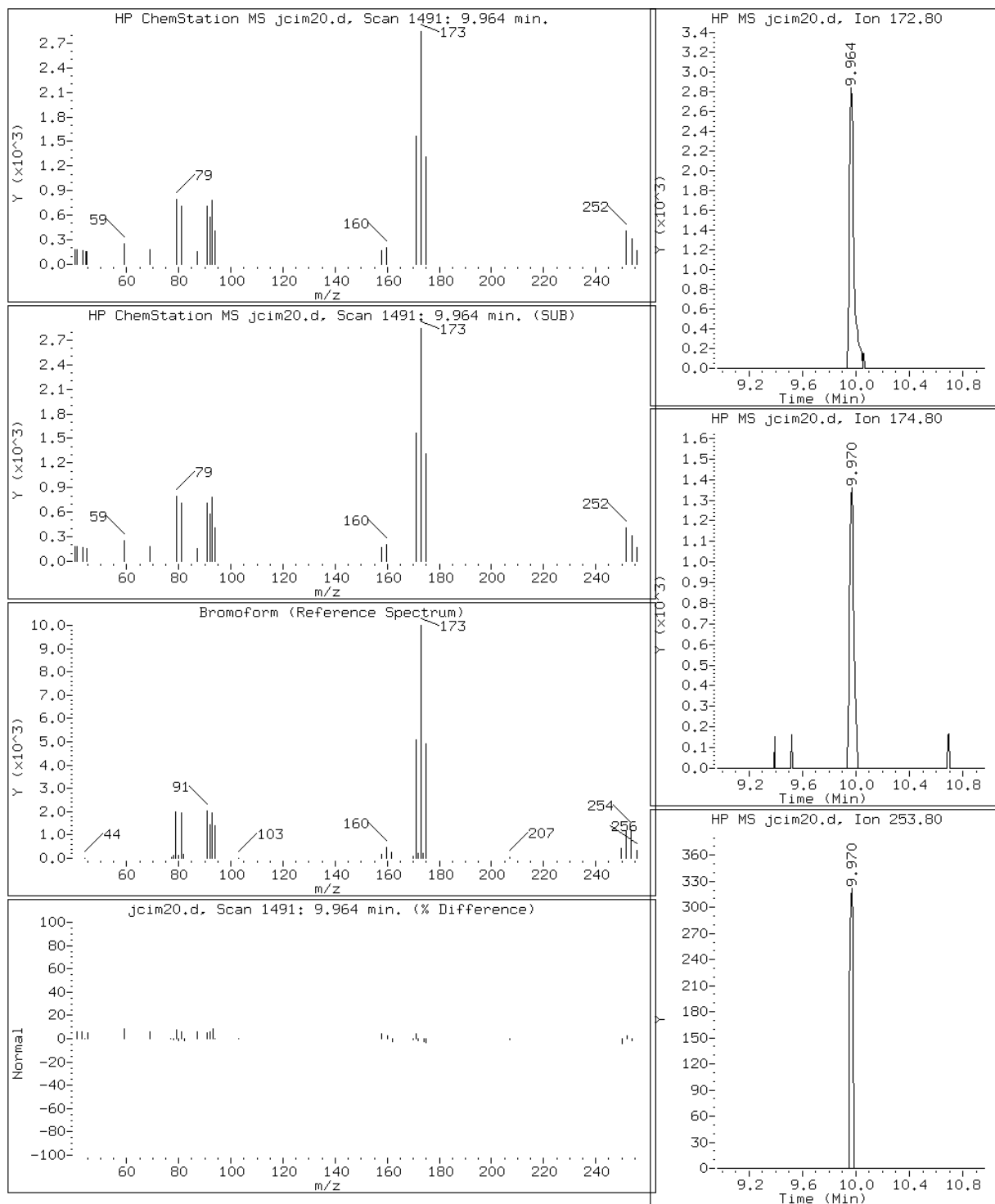
Client ID: MW-3

Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

56 Bromoform



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Client ID: MW-3

Sample Info: 200-3445-D-4

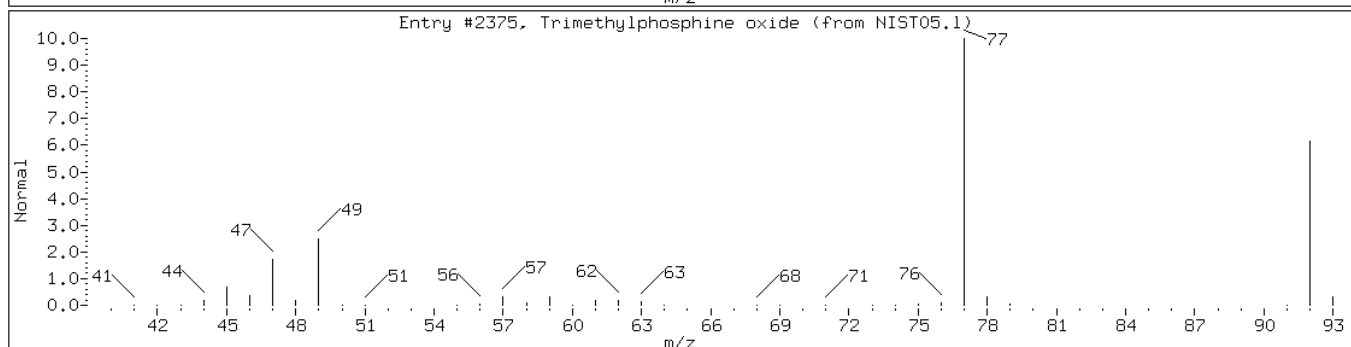
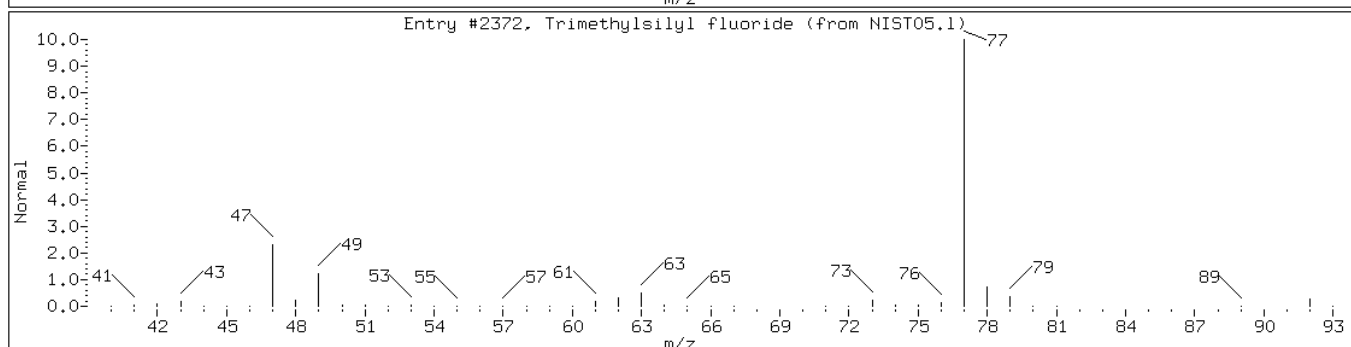
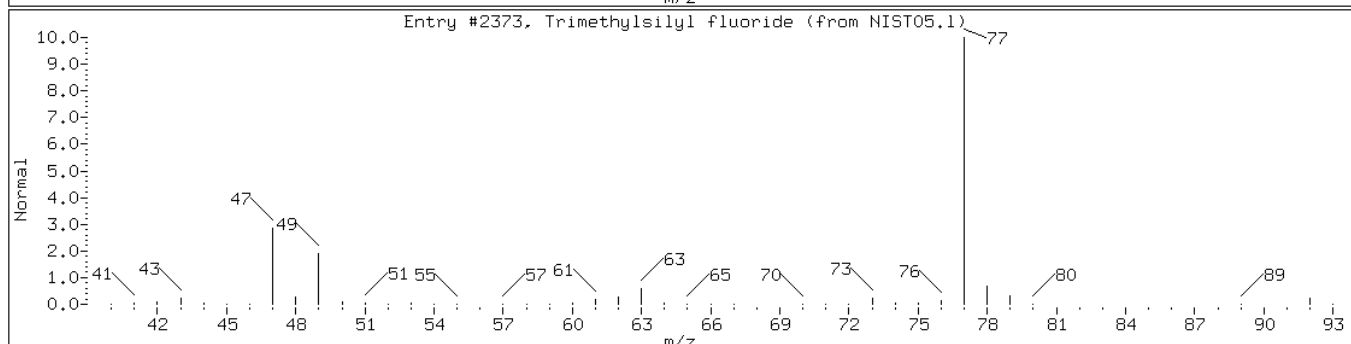
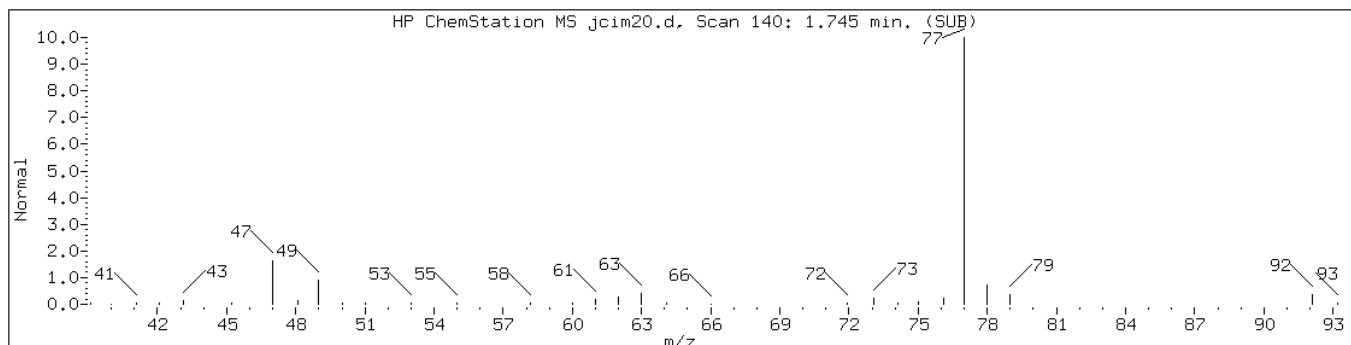
Date: 28-JAN-2011 23:20

Instrument: J.i

Operator: JH2

Retention Time: 1.75

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	90	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	38	C3H9OP	92



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Client ID: MW-3

Sample Info: 200-3445-D-4

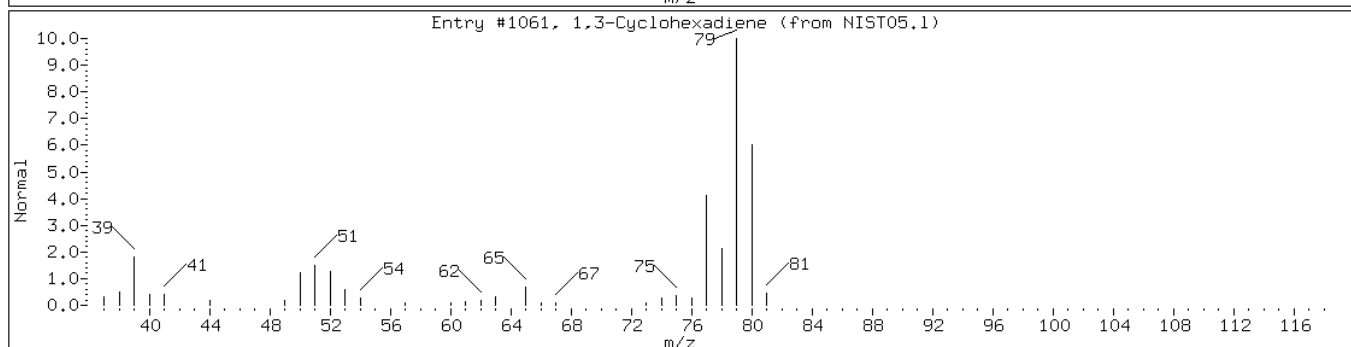
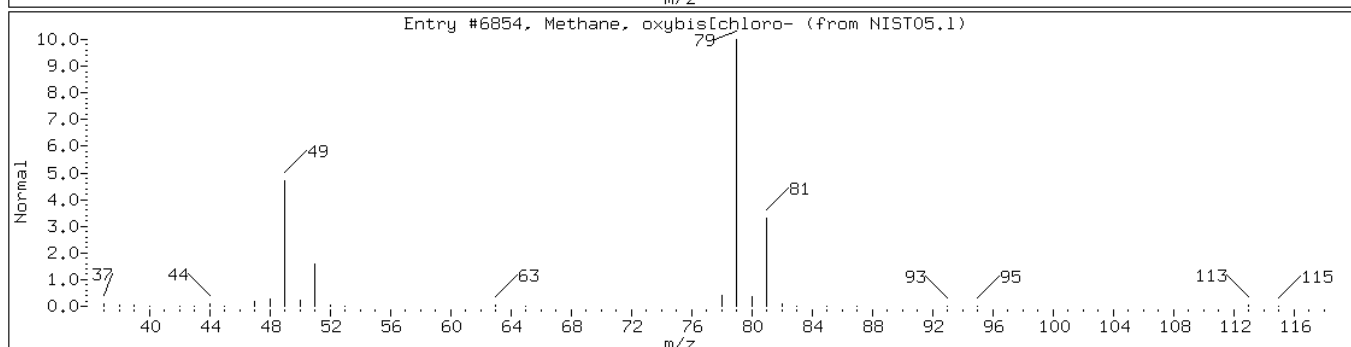
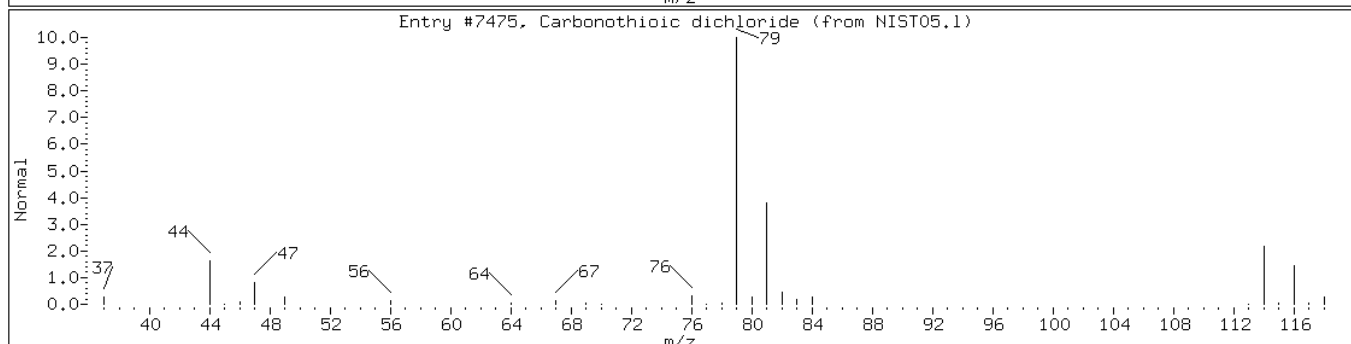
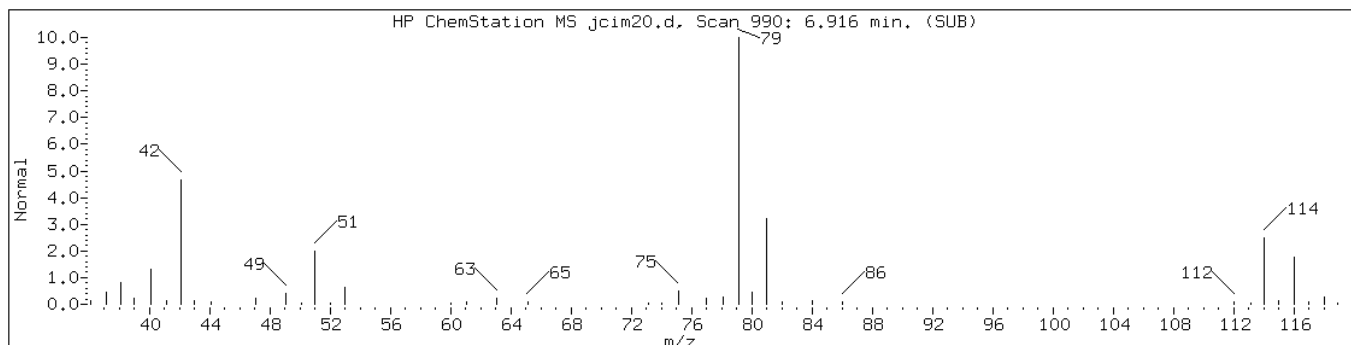
Date: 28-JAN-2011 23:20

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	<chem>CCl2S</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	<chem>C2H4Cl2O</chem>	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	<chem>C6H8</chem>	80



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Client ID: MW-3

Sample Info: 200-3445-D-4

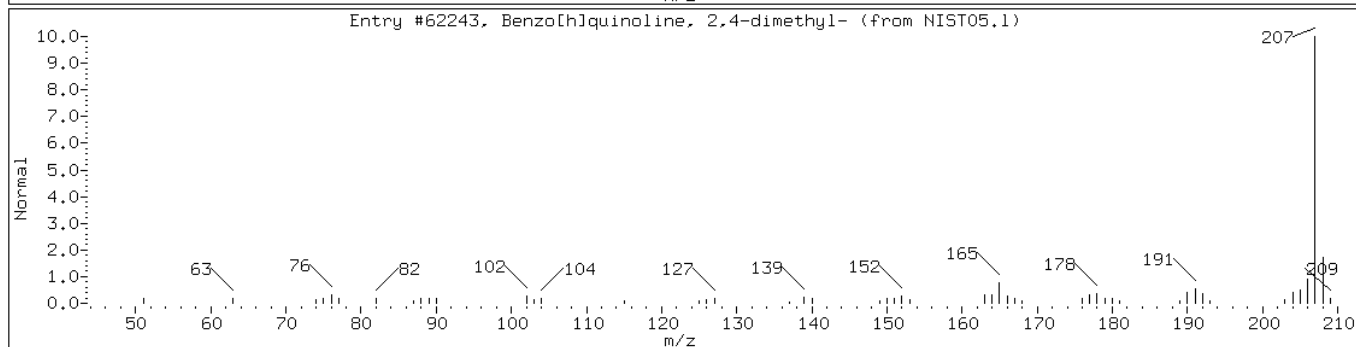
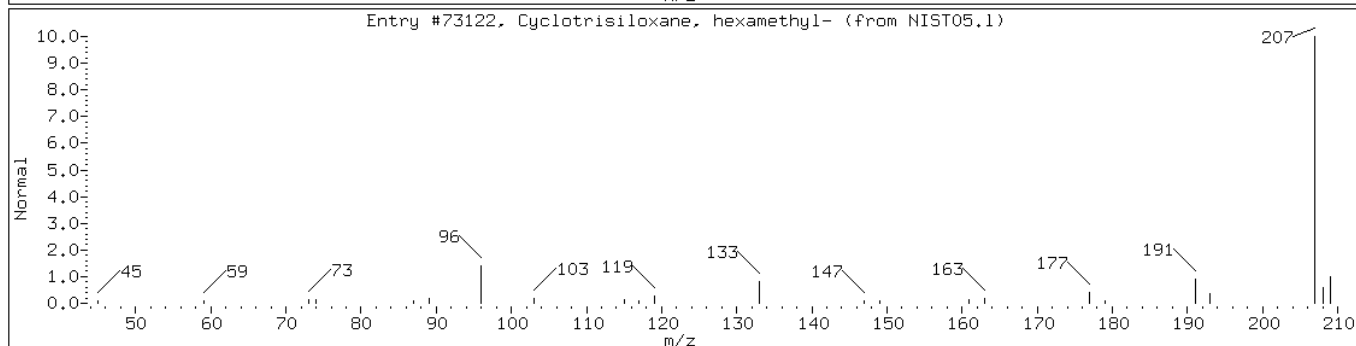
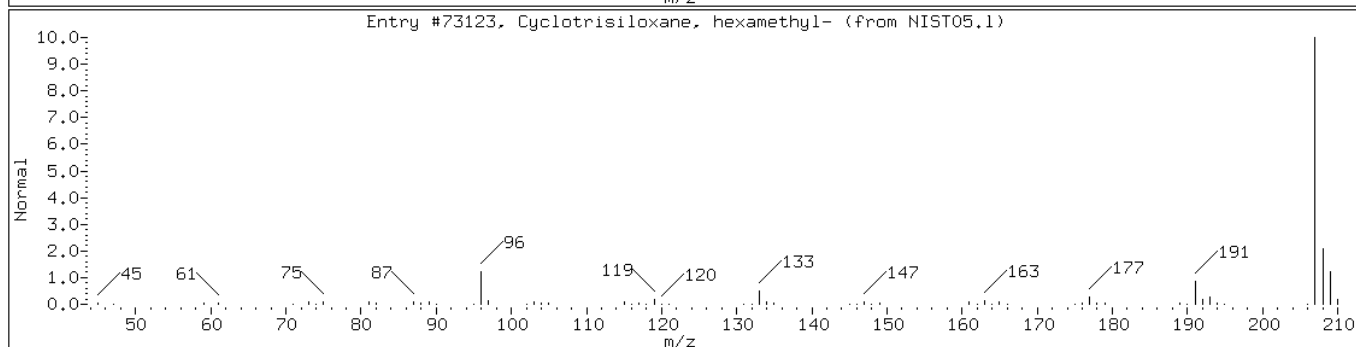
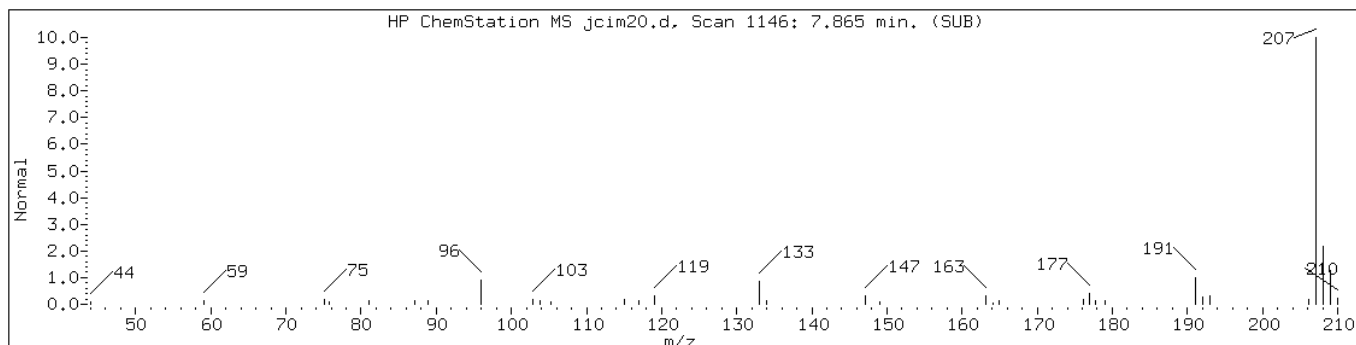
Date: 28-JAN-2011 23:20

Instrument: J.i

Operator: JH2

Retention Time: 7.87

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	72	C ₆ H ₁₈ O ₃ Si ₃	222
Benzo[h]quinoline, 2,4-dimethyl-	605-67-4	NIST05.1	62243	64	C ₁₅ H ₁₃ N	207



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

Client ID: MW-3

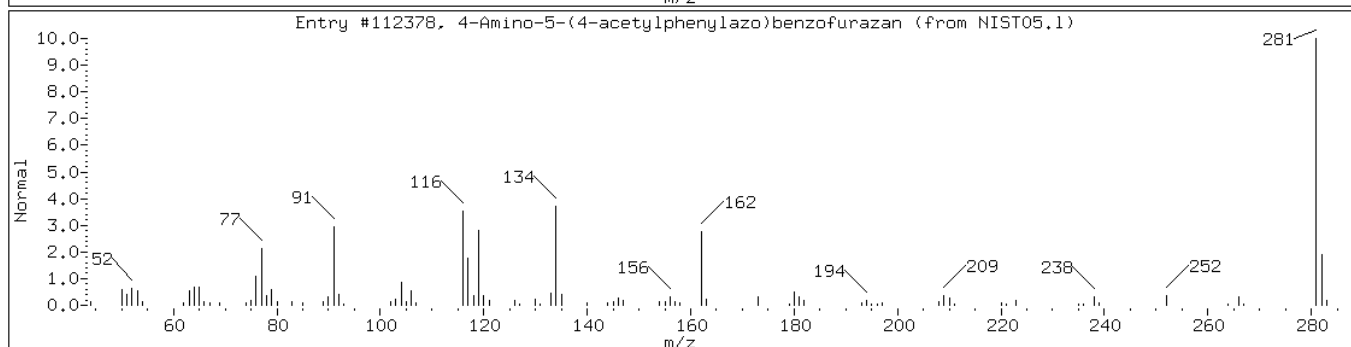
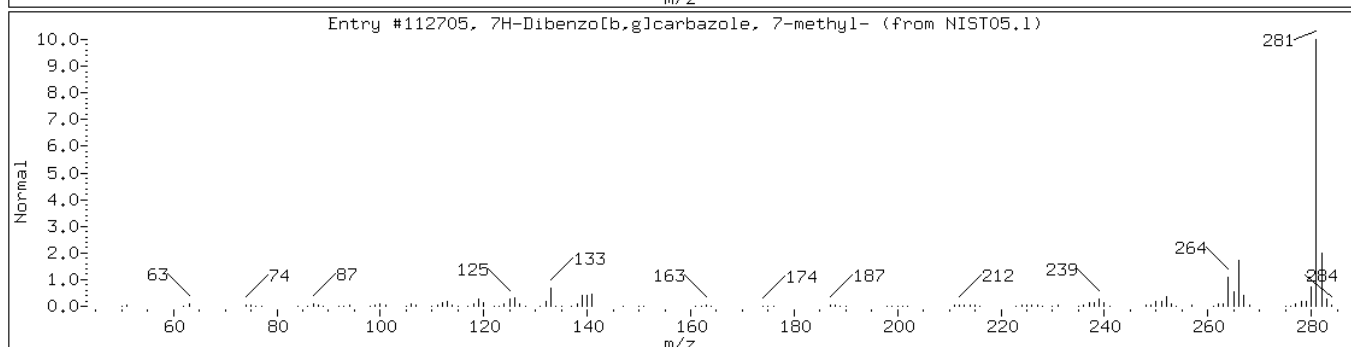
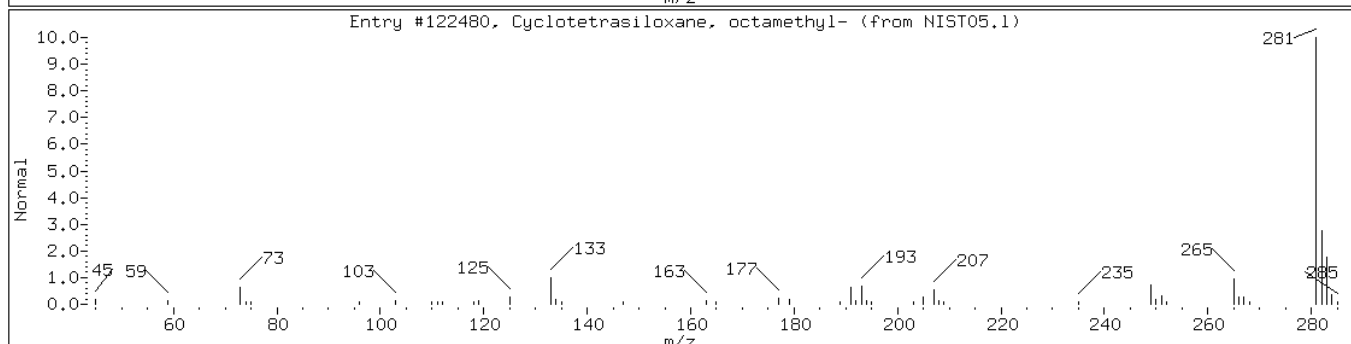
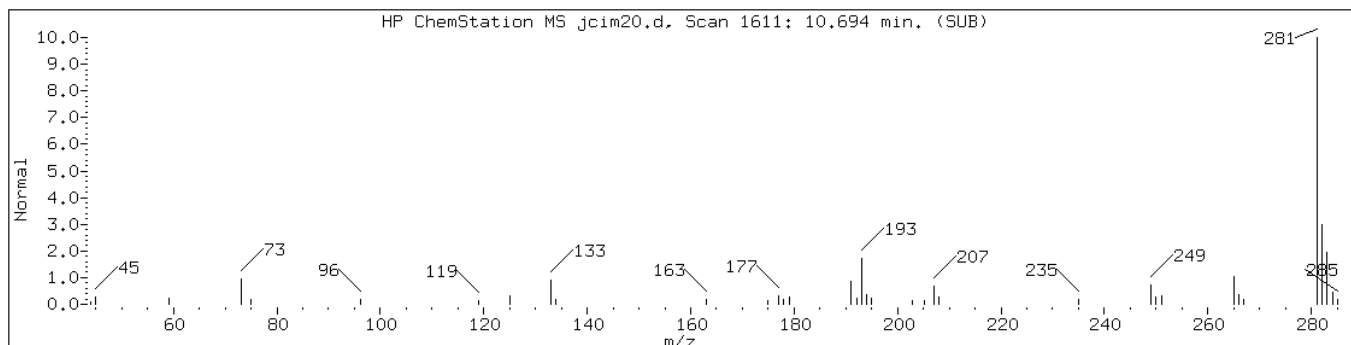
Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	90	C ₈ H ₂₄ O ₄ Si ₄	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C ₂₁ H ₁₅ N	281
4-Amino-5-(4-acetylphenylazo)benzo	166766-09-2	NIST05.1	112378	50	C ₁₄ H ₁₁ N ₅ O ₂	281



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Date: 28-JAN-2011 23:20

Client ID: MW-3

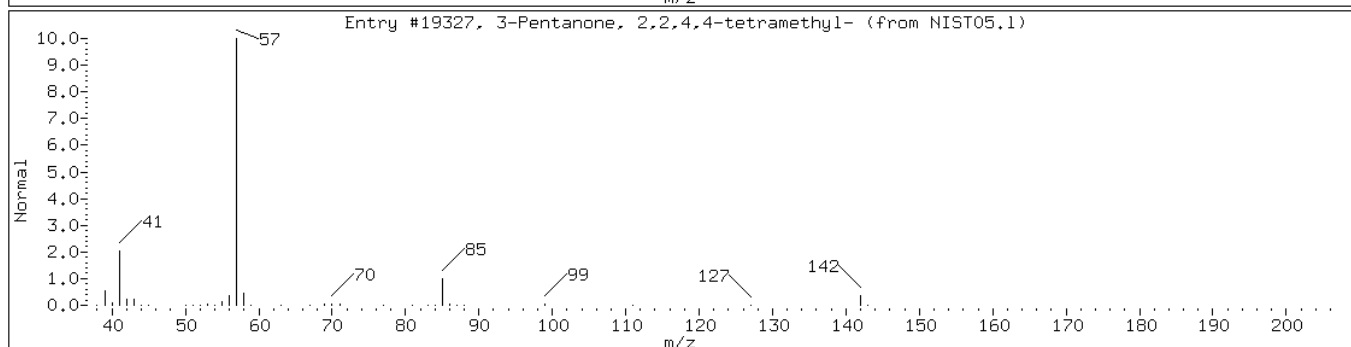
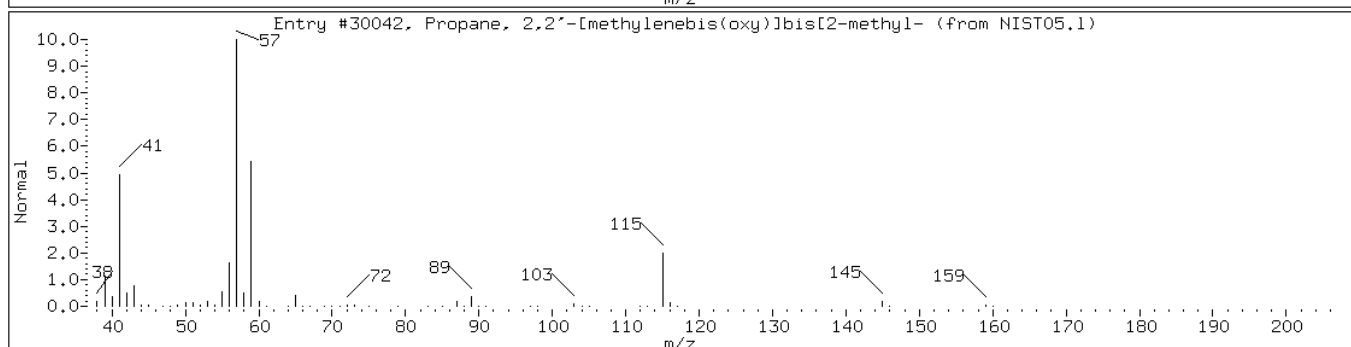
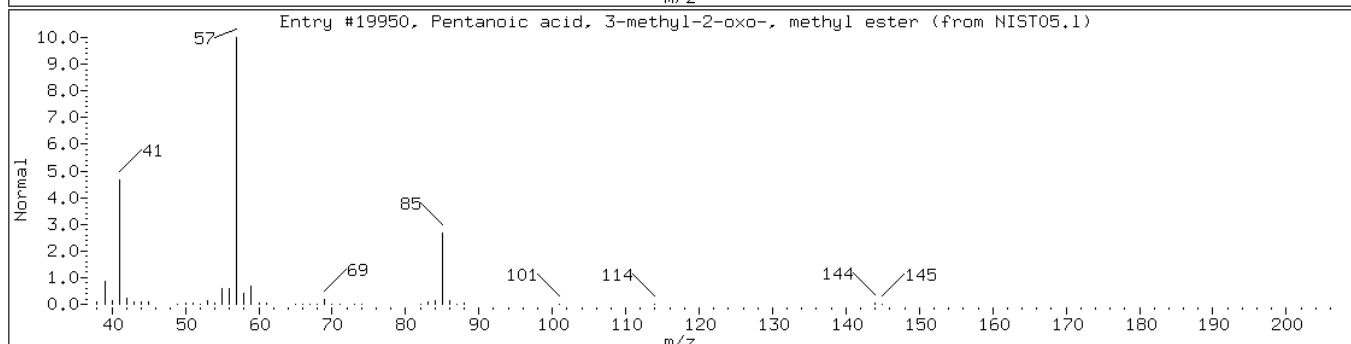
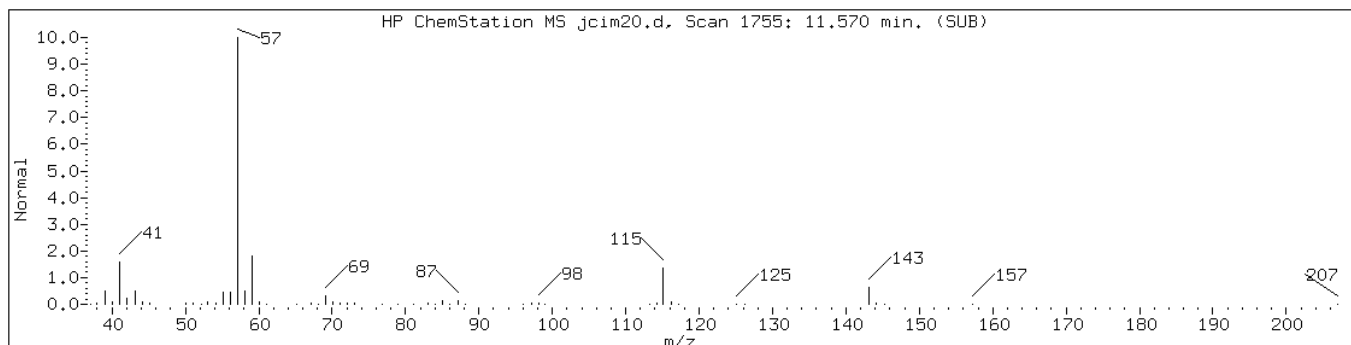
Instrument: J.i

Sample Info: 200-3445-D-4

Operator: JH2

Retention Time: 11.57

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentanoic acid, 3-methyl-2-oxo-, m	3682-42-6	NIST05.1	19950	32	C7H12O3	144
Propane, 2,2'-[methylenebis(oxy)]b	2568-93-6	NIST05.1	30042	28	C9H20O2	160
3-Pentanone, 2,2,4,4-tetramethyl-	815-24-7	NIST05.1	19327	25	C9H18O	142



Data File: jcim20.d

Lab Sample ID: 200-3445-4

Client ID: MW-3

Sample Info: 200-3445-D-4

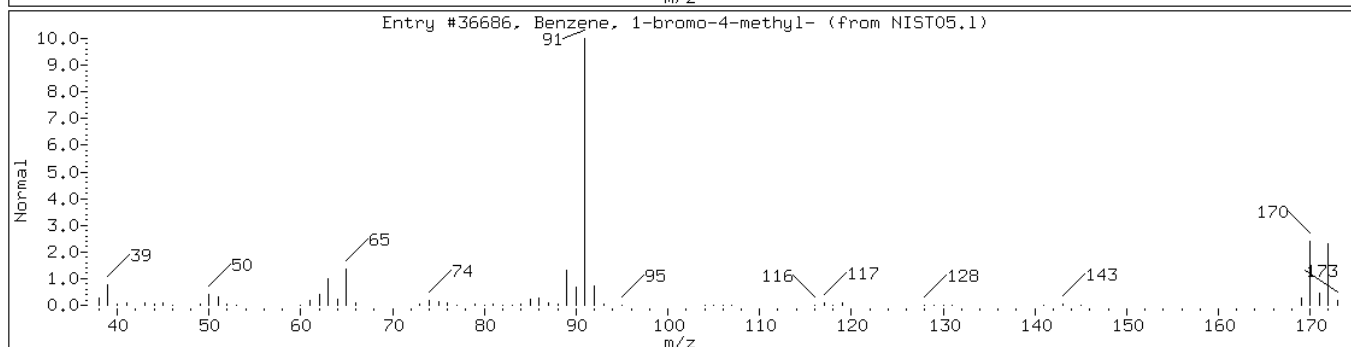
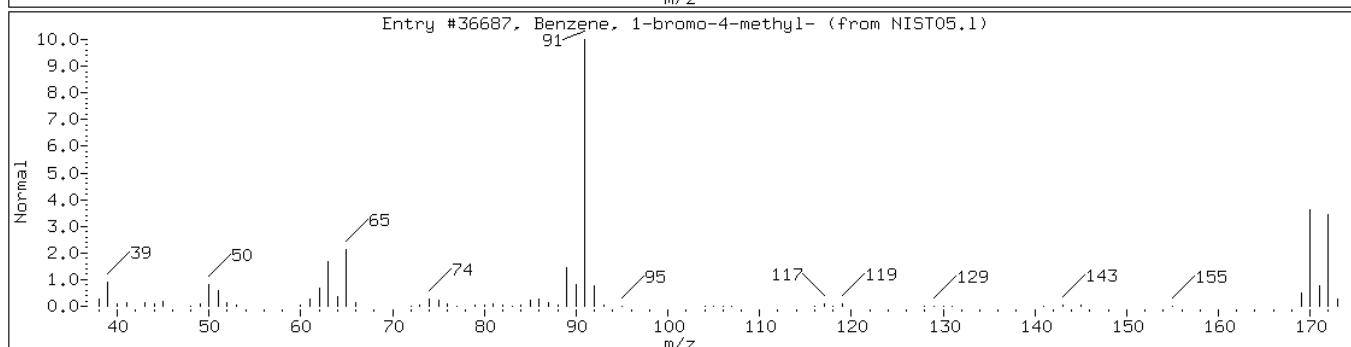
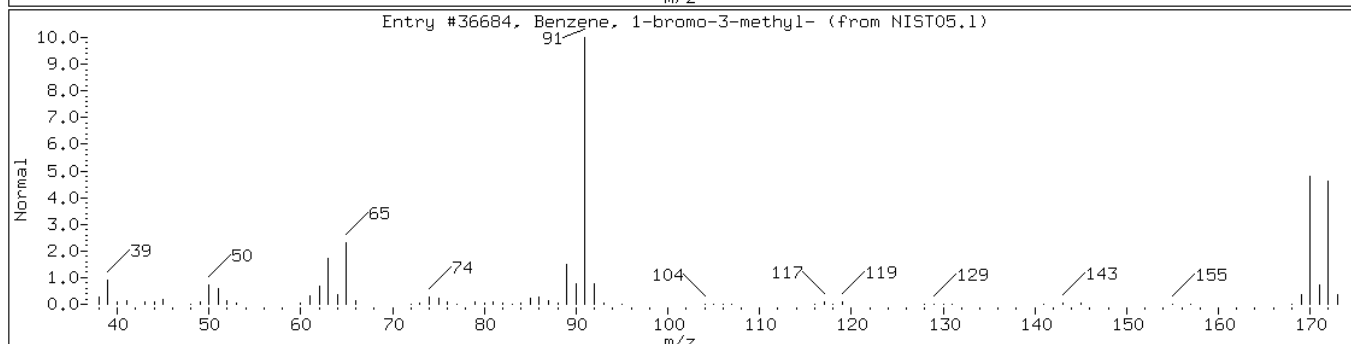
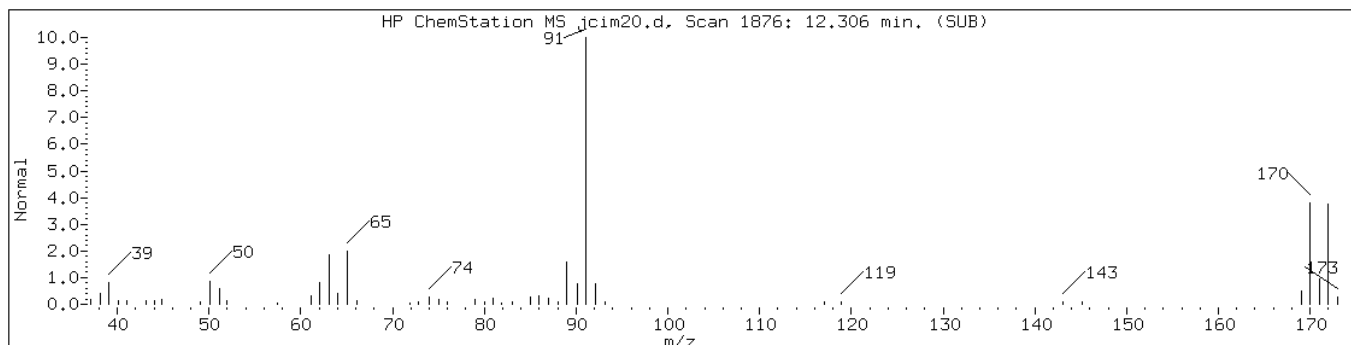
Date: 28-JAN-2011 23:20

Instrument: J.i

Operator: JH2

Retention Time: 12.31

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-bromo-3-methyl-	591-17-3	NIST05.1	36684	97	C7H7Br	170
Benzene, 1-bromo-4-methyl-	106-38-7	NIST05.1	36687	96	C7H7Br	170
Benzene, 1-bromo-4-methyl-	106-38-7	NIST05.1	36686	95	C7H7Br	170



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-4 Lab Sample ID: 200-3445-5
 Matrix: Water Lab File ID: jcim21.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 11:30
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 23:45
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.15	J	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	7.7	B	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	2.3	B	0.50	0.032
75-34-3	1,1-Dichloroethane	0.24	J	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.48	J	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.24	J	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.032	J	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.072	J B	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.076	J B	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-4 Lab Sample ID: 200-3445-5
 Matrix: Water Lab File ID: jcm21.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 11:30
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 23:45
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	110		65-131
19199-91-8	Chloroethane-d5	113		71-131
22280-73-5	1,1-Dichloroethene-d2	87		55-104
24313-50-6	2-Butanone-d5	100		49-155
865-49-6	Chloroform-d	109		78-121
17060-07-0	1,2-Dichloroethane-d4	106		78-129
1076-43-3	Benzene-d6	110		77-124
93952-08-0	1,2-Dichloropropane-d6	98		79-124
2037-26-5	Toluene-d8	111		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	103		73-121
4840-82-8	2-Hexanone-d5	111		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	100		73-125
2199-69-1	1,2-Dichlorobenzene-d4	113		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-4 Lab Sample ID: 200-3445-5
Matrix: Water Lab File ID: jcim21.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 11:30
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 23:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L
Number TICs Found: 5 TIC Result Total: 16.53

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Trimethylsilyl fluoride	1.75	2.9	J N
	Unknown	6.92	3.1	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.55	B J N
	Unknown siloxane derivative	10.69	0.55	B J
	Unknown	11.57	8.9	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-4 Lab Sample ID: 200-3445-5
Matrix: Water Lab File ID: jcim21.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 11:30
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 23:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		13	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-5
Client Smp ID: MW-4
Inj Date : 28-JAN-2011 23:45
Operator : JH2
Smp Info : 200-3445-D-5
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmt.r.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 40
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85				Compound Not Detected.		
2 Chloromethane	50	1.605	1.617	(0.287)	2784	3.72385	0.15(a)
\$ 3 Vinyl chloride-d3	65	1.623	1.623	(0.290)	92444	137.034	5.5
4 Vinyl chloride	62				Compound Not Detected.		
5 Bromomethane	94				Compound Not Detected.		
\$ 6 Chloroethane-d5	69	1.928	1.927	(0.344)	78975	141.562	5.7
7 Chloroethane	64				Compound Not Detected.		
8 Trichlorofluoromethane	101				Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63	2.530	2.536	(0.452)	132942	108.536	4.3
10 1,1-Dichloroethene	96				Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101				Compound Not Detected.		
12 Acetone	43	2.585	2.584	(0.462)	6980	192.038	7.7
13 Carbon disulfide	76				Compound Not Detected.		
14 Methyl acetate	43				Compound Not Detected.		
15 Methylene chloride	84				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96		Compound Not Detected.				
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	37421	56.3405	2.3
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	5771	6.05583	0.24(aQ)
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	59990	1245.67	50
20 cis-1,2-Dichloroethene	96		Compound Not Detected.				
21 2-Butanone	43		Compound Not Detected.				
22 Bromochloromethane	128		Compound Not Detected.				
\$ 23 Chloroform-d	84	4.537	4.537	(0.811)	138759	136.426	5.5(Q)
24 Chloroform	83	4.562	4.562	(0.815)	11422	12.0317	0.48(a)
25 1,1,1-Trichloroethane	97	4.763	4.756	(0.533)	5736	5.97650	0.24(a)
26 Cyclohexane	56		Compound Not Detected.				
27 Carbon tetrachloride	117		Compound Not Detected.				
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	47487	132.966	5.3
\$ 29 Benzene-d6	84	5.121	5.121	(0.573)	297436	137.617	5.5
30 Benzene	78	5.164	5.164	(0.578)	1784	0.81000	0.032(a)
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	245689	125.000	
33 Trichloroethene	95	5.882	5.876	(0.658)	1082	1.79513	0.072(aQ)
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	66727	122.031	4.9
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
37 Bromodichloromethane	83		Compound Not Detected.				
38 cis-1,3-Dichloropropene	75		Compound Not Detected.				
39 4-Methyl-2-pentanone	43		Compound Not Detected.				
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	280847	138.587	5.5
41 Toluene	91		Compound Not Detected.				
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	49748	129.112	5.2
43 trans-1,3-Dichloropropene	75		Compound Not Detected.				
44 1,1,2-Trichloroethane	97		Compound Not Detected.				
45 Tetrachloroethene	164	7.956	7.962	(0.890)	1054	1.90320	0.076(a)
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)	50095	1381.79	55
47 2-Hexanone	43		Compound Not Detected.				
48 Dibromochloromethane	129		Compound Not Detected.				
49 1,2-Dibromoethane	107		Compound Not Detected.				
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	201450	125.000	
51 Chlorobenzene	112		Compound Not Detected.				
52 Ethylbenzene	91		Compound Not Detected.				
53 m,p-Xylene	106		Compound Not Detected.				
54 Styrene	104		Compound Not Detected.				
55 o-Xylene	106		Compound Not Detected.				
56 Bromoform	172		Compound Not Detected.				
57 Isopropylbenzene	105		Compound Not Detected.				
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	26888	124.517	5.0
59 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				
60 1,3-Dichlorobenzene	146		Compound Not Detected.				
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	96284	125.000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	81002	141.679	5.7(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-5
Client Smp ID: MW-4
Inj Date : 28-JAN-2011 23:45
Operator : JH2
Smp Info : 200-3445-D-5
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 40
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

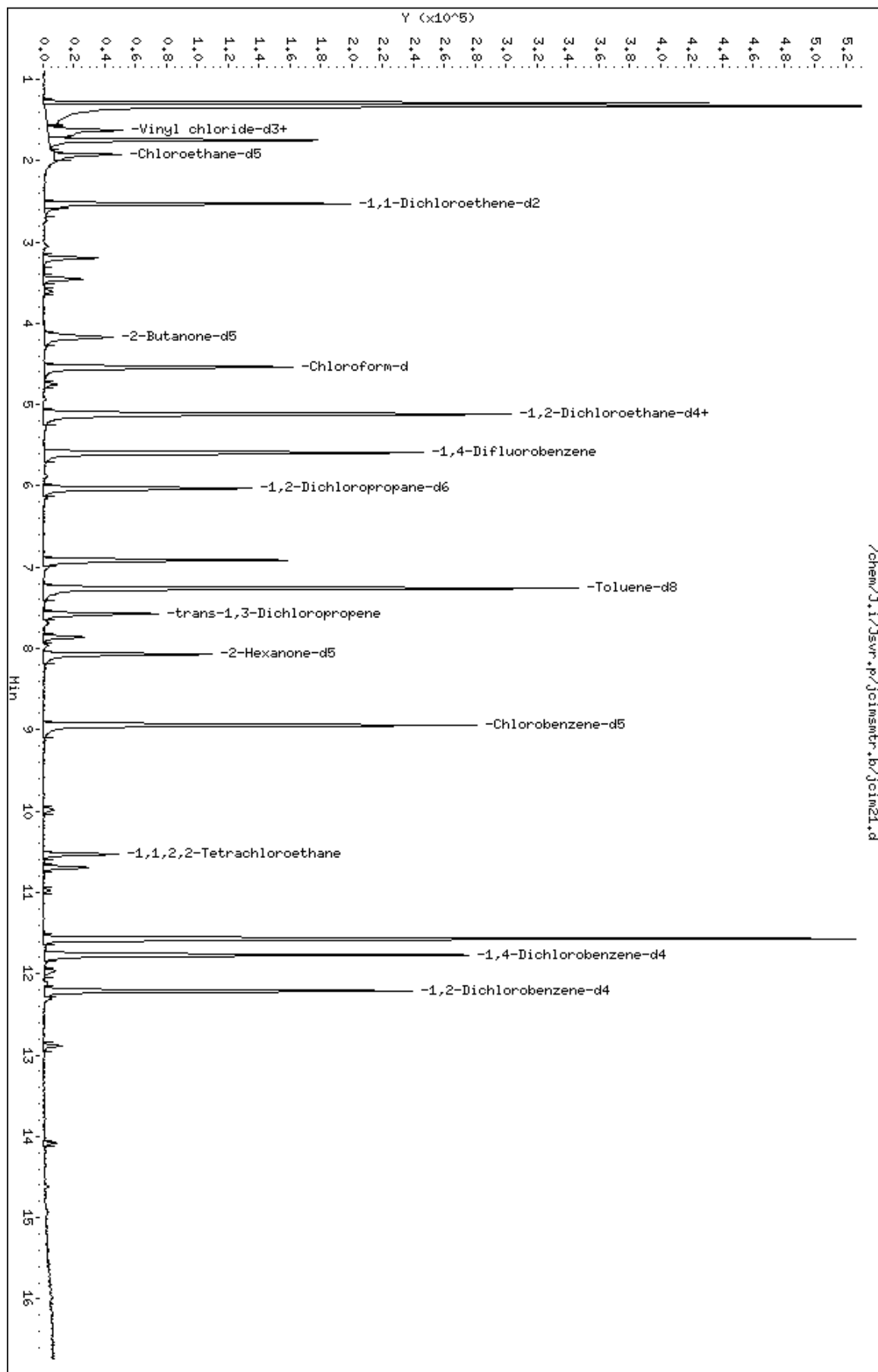
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	542376	125.000
* 50 Chlorobenzene-d5	8.942	592244	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	570722	125.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Trimethylsilyl fluoride					CAS #: 420-56-4		
1.745	313455	72.2410671	2.9	91	NIST05.l	2373	32

RT	CONCENTRATIONS				QUANT		CPND #
	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	
====	====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
3.455	57122	13.1646864	0.53	0		0	32
Unknown					CAS #:		
6.916	336656	77.5880169	3.1	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.859	64983	13.7153238	0.55	83	NIST05.l	73123	50
Unknown siloxane derivative					CAS #:		
10.694	62453	13.6784977	0.55	0		0	61
Unknown					CAS #:		
11.570	1014535	222.204280	8.9	0		0	61

Data File: /chem/J.i/Jswr.p/joismtr.b/joim21.d
Date : 28-JAN-2011 23:45
Client ID: MM-4
Sample Info: 200-3445-D-5
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.20



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

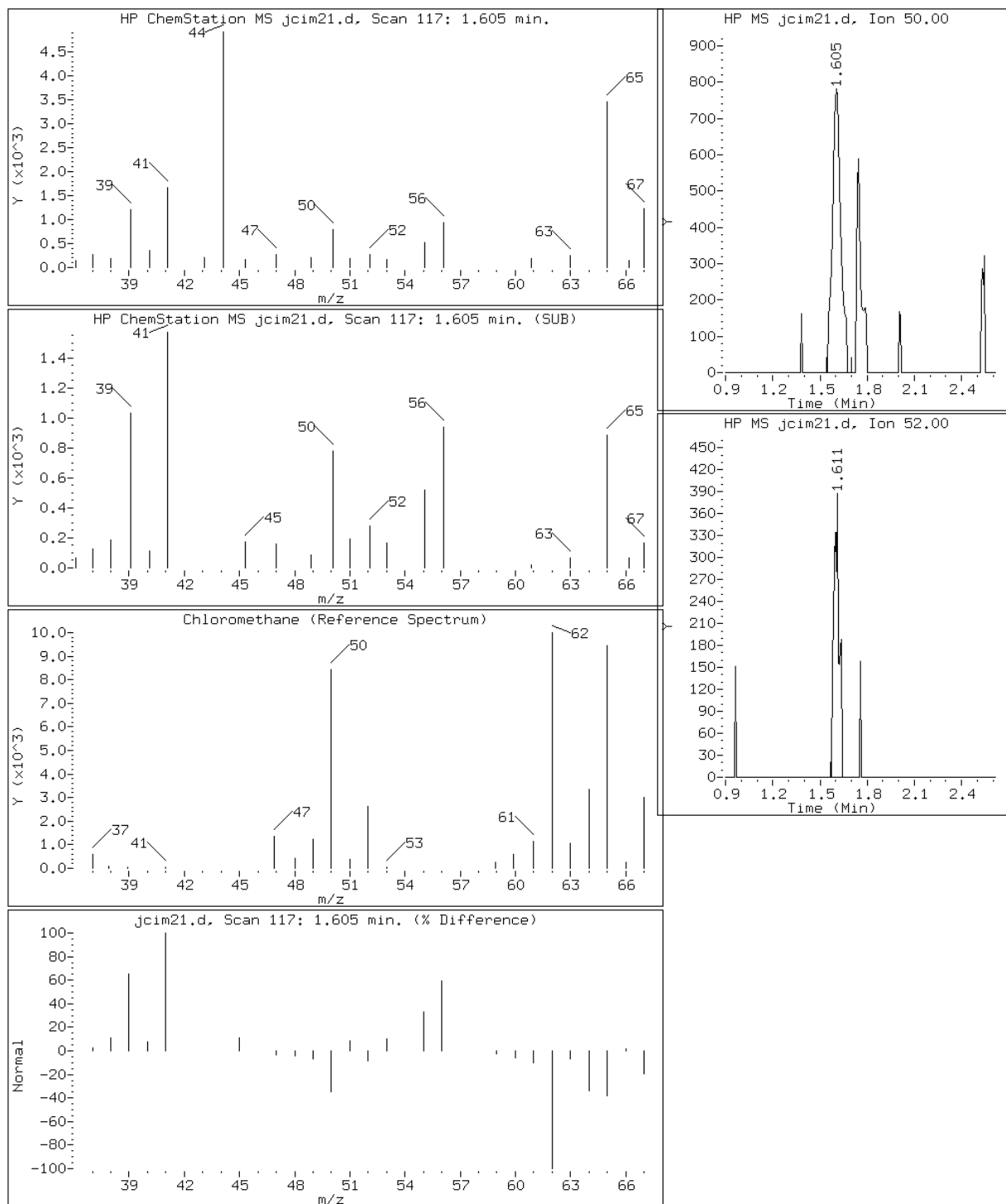
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

2 Chloromethane



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

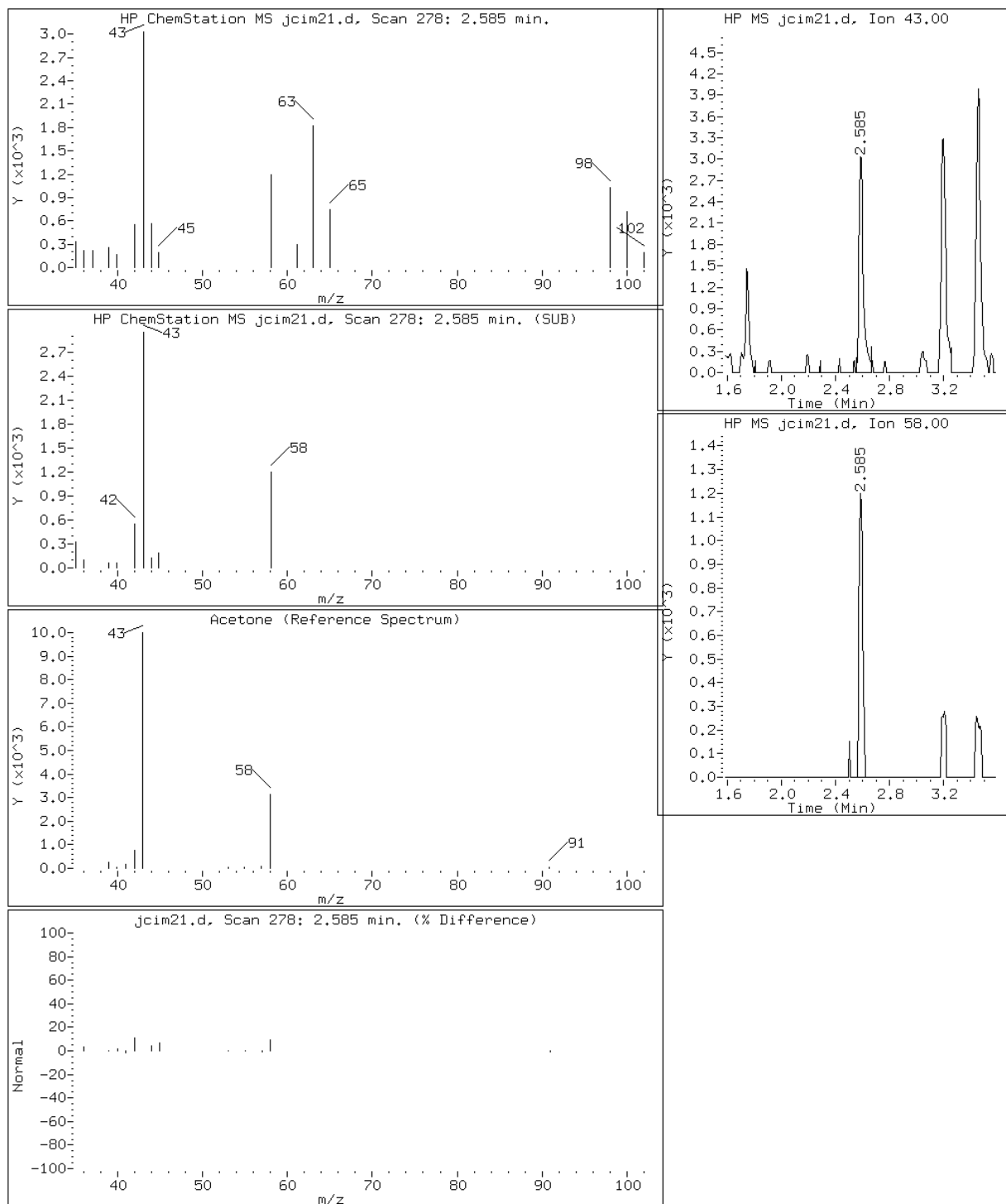
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

12 Acetone



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

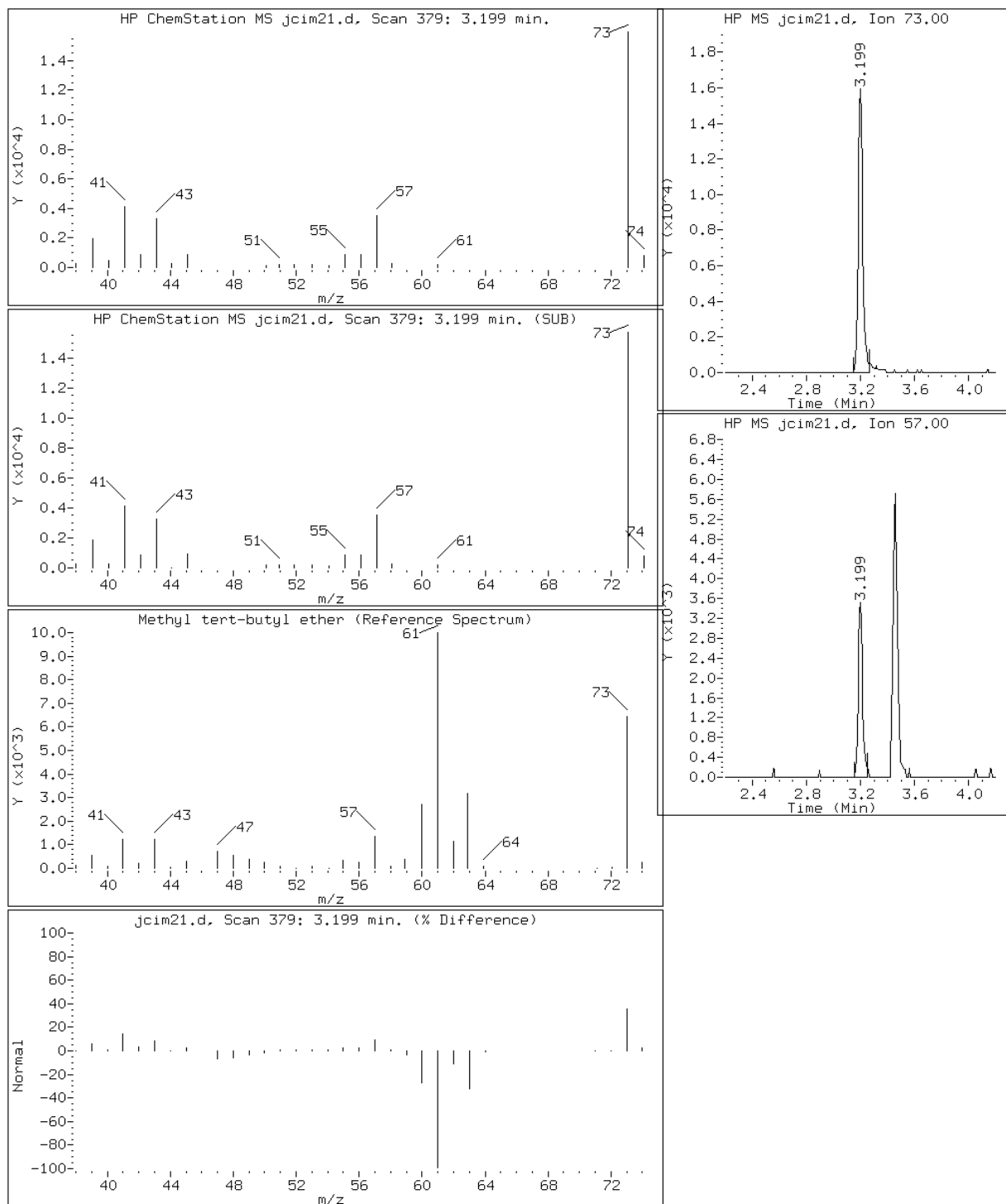
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

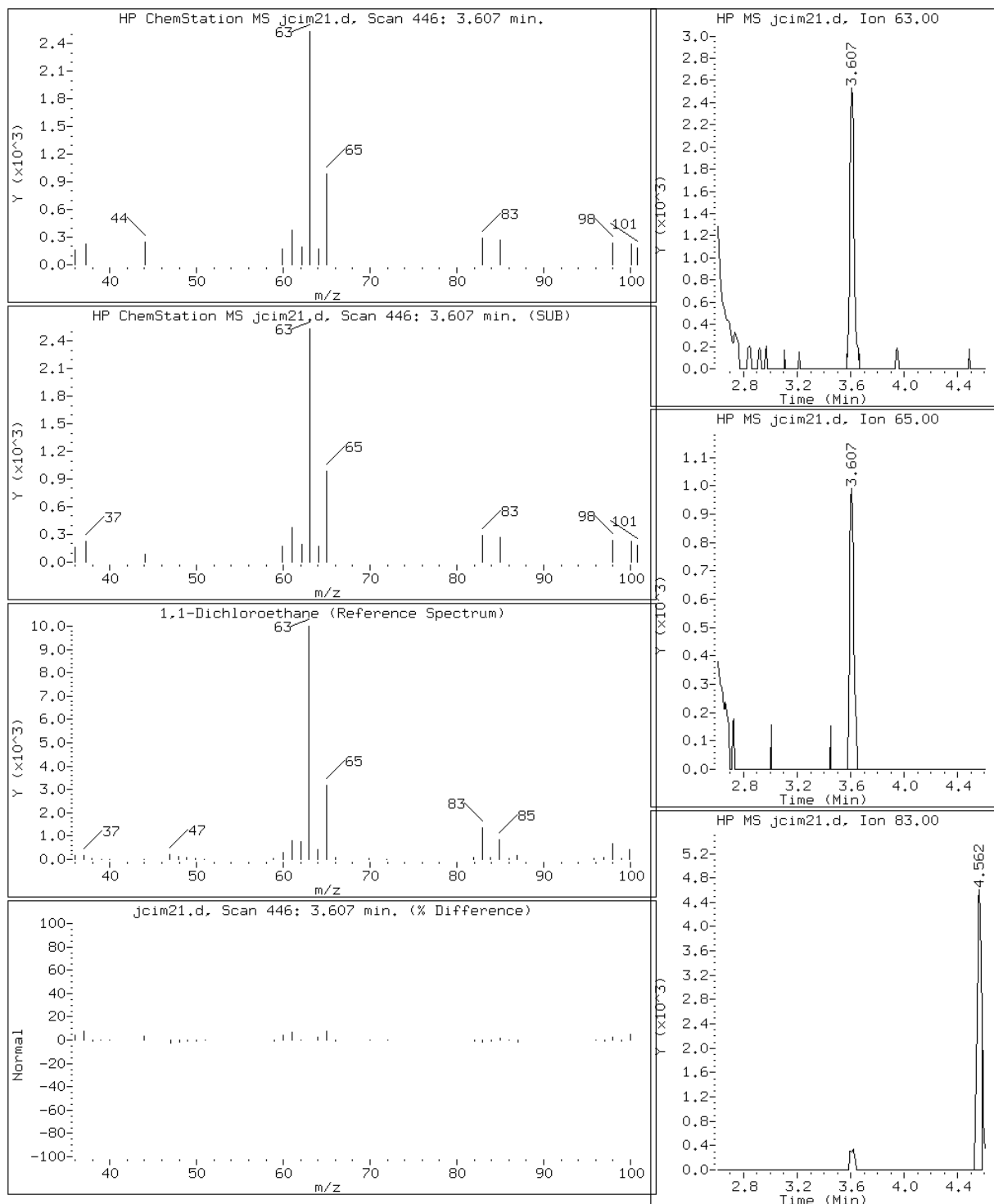
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

18 1,1-Dichloroethane



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

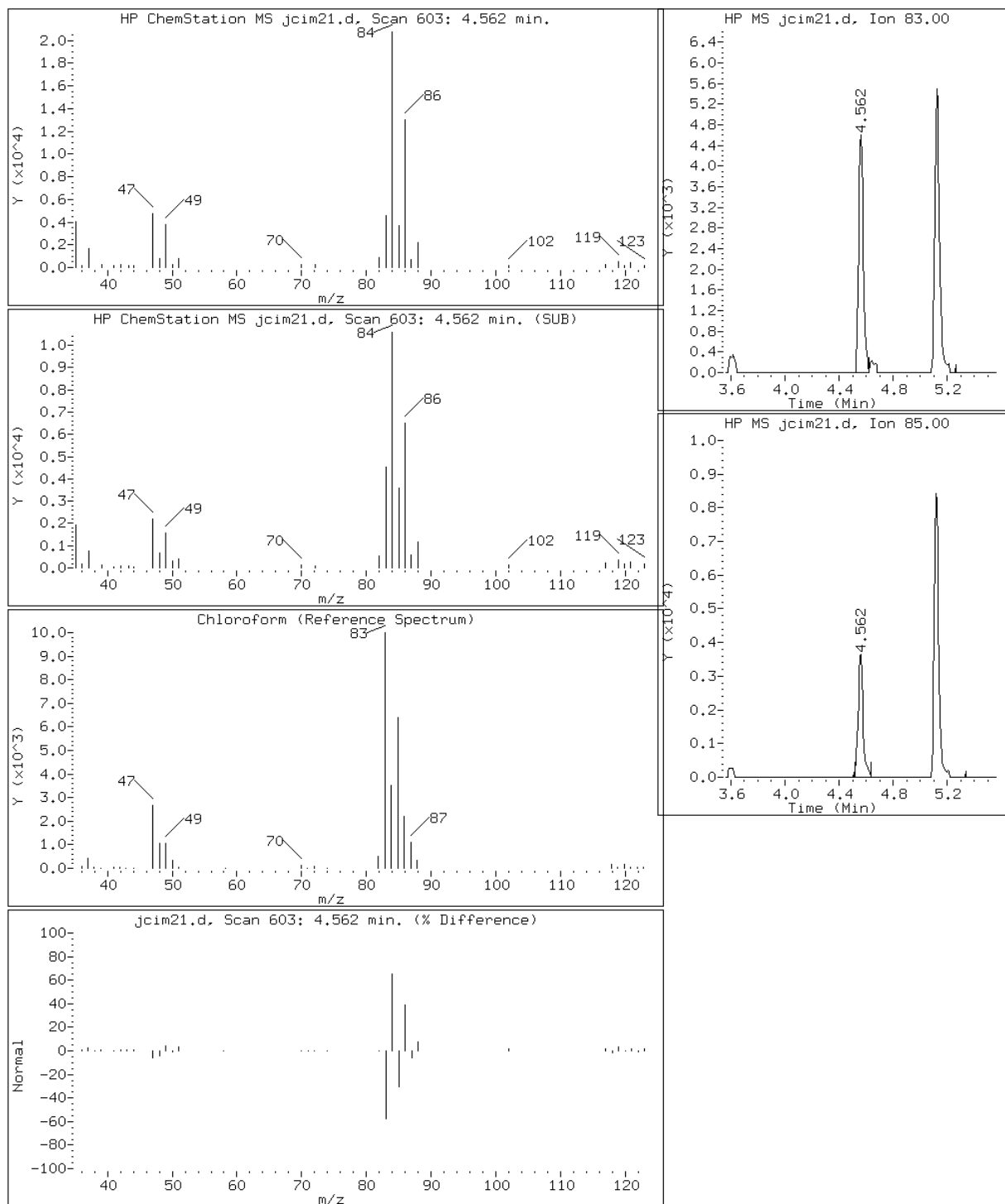
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

24 Chloroform



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

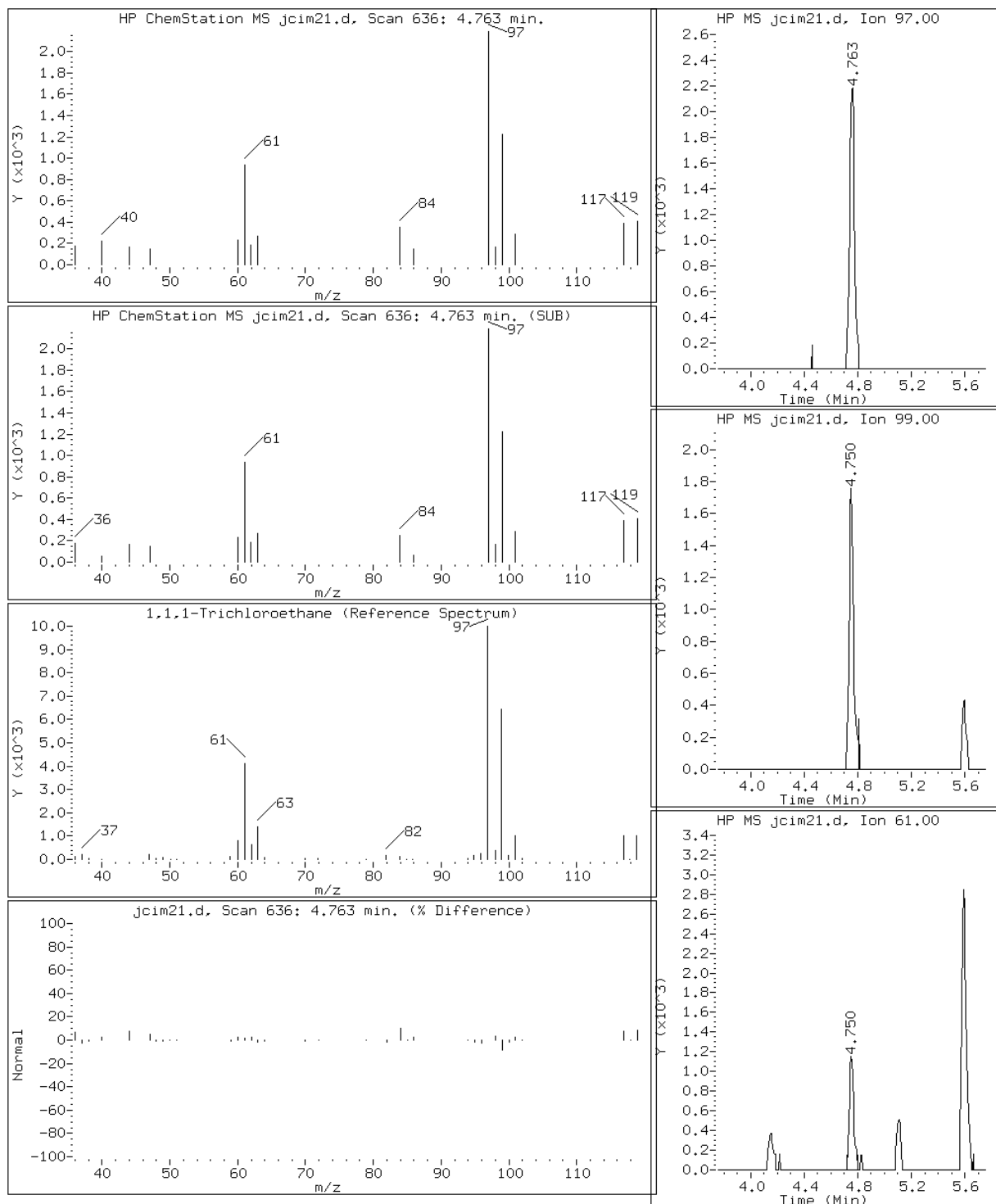
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

25 1,1,1-Trichloroethane



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

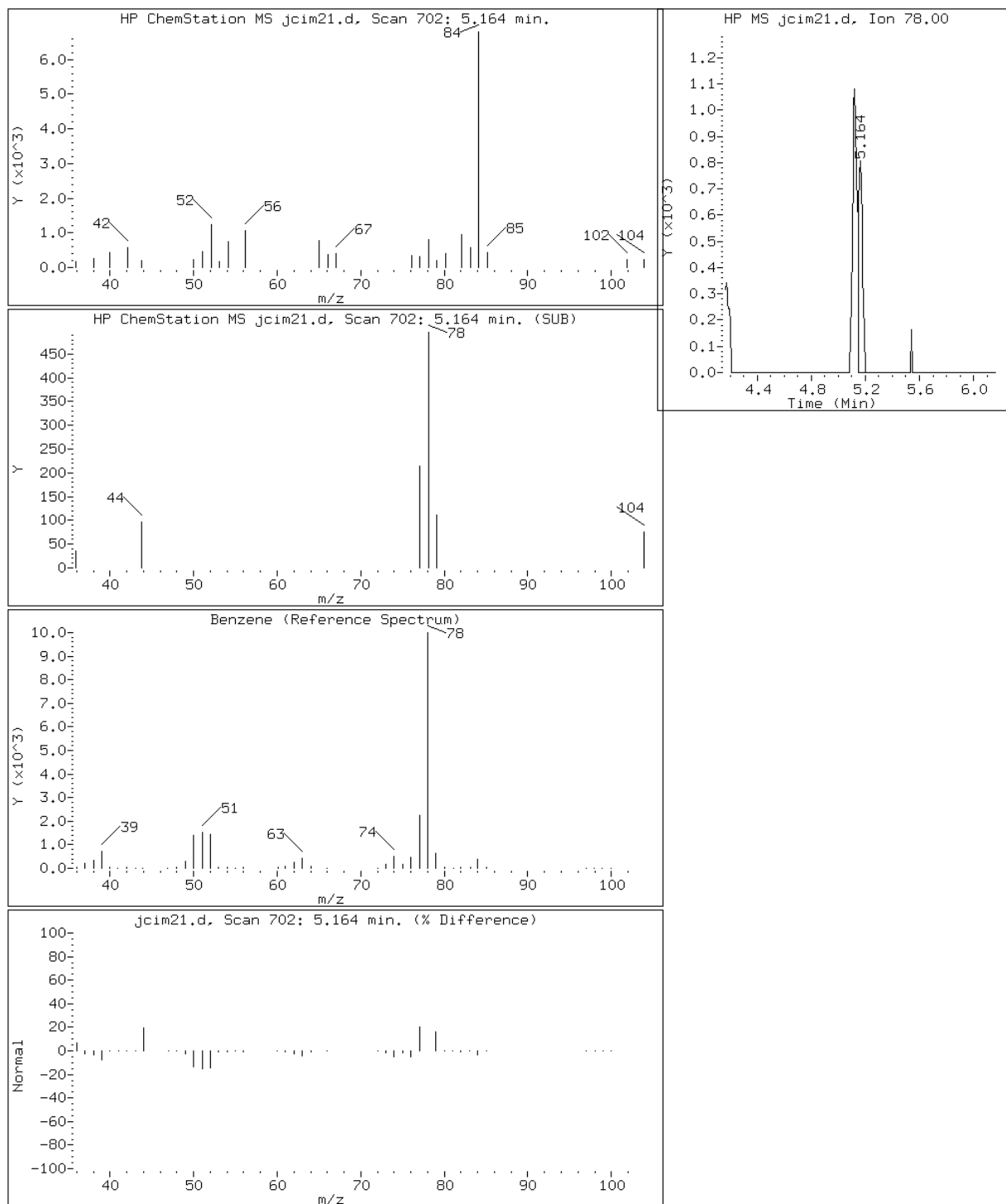
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

30 Benzene



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

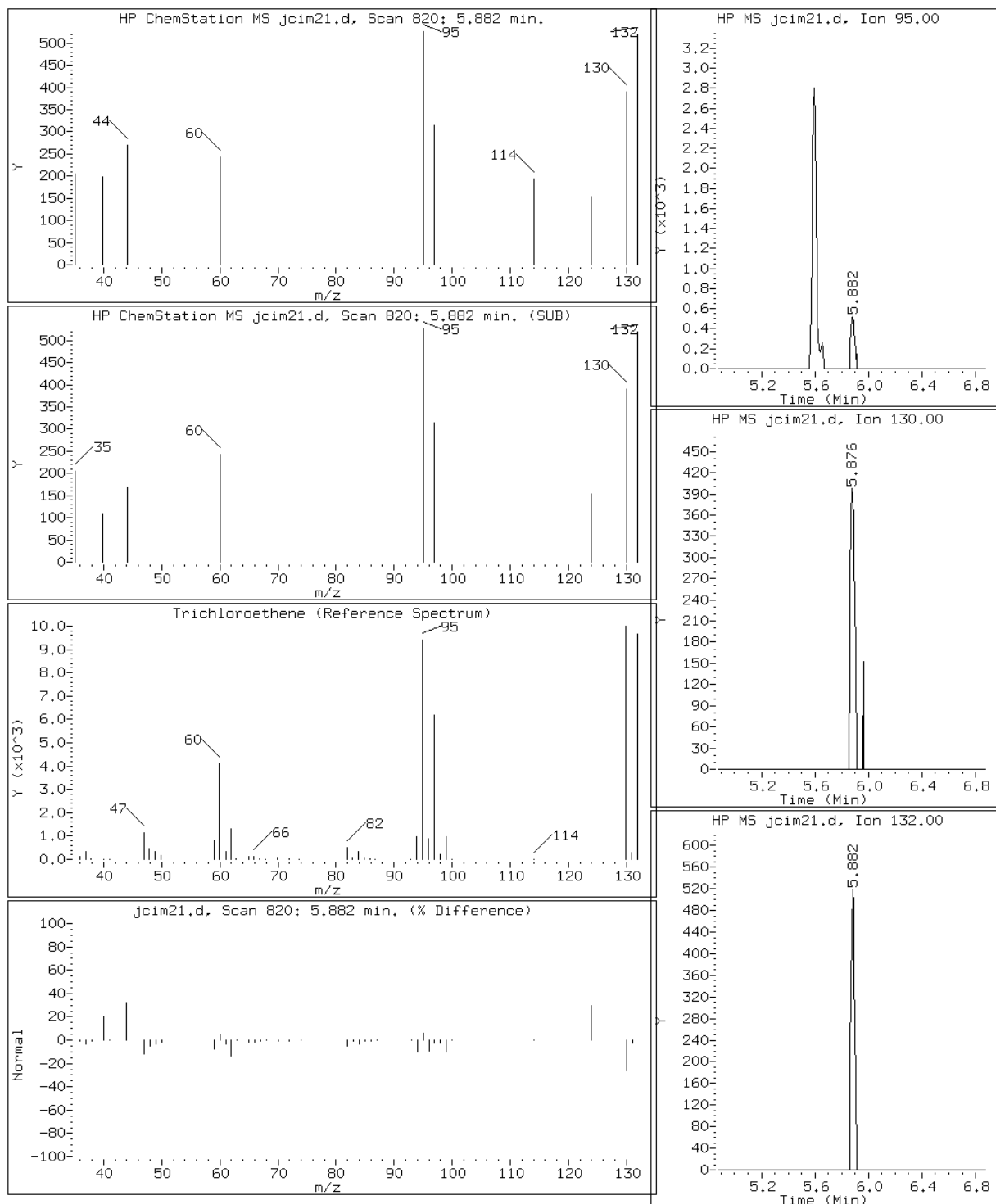
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

33 Trichloroethene



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

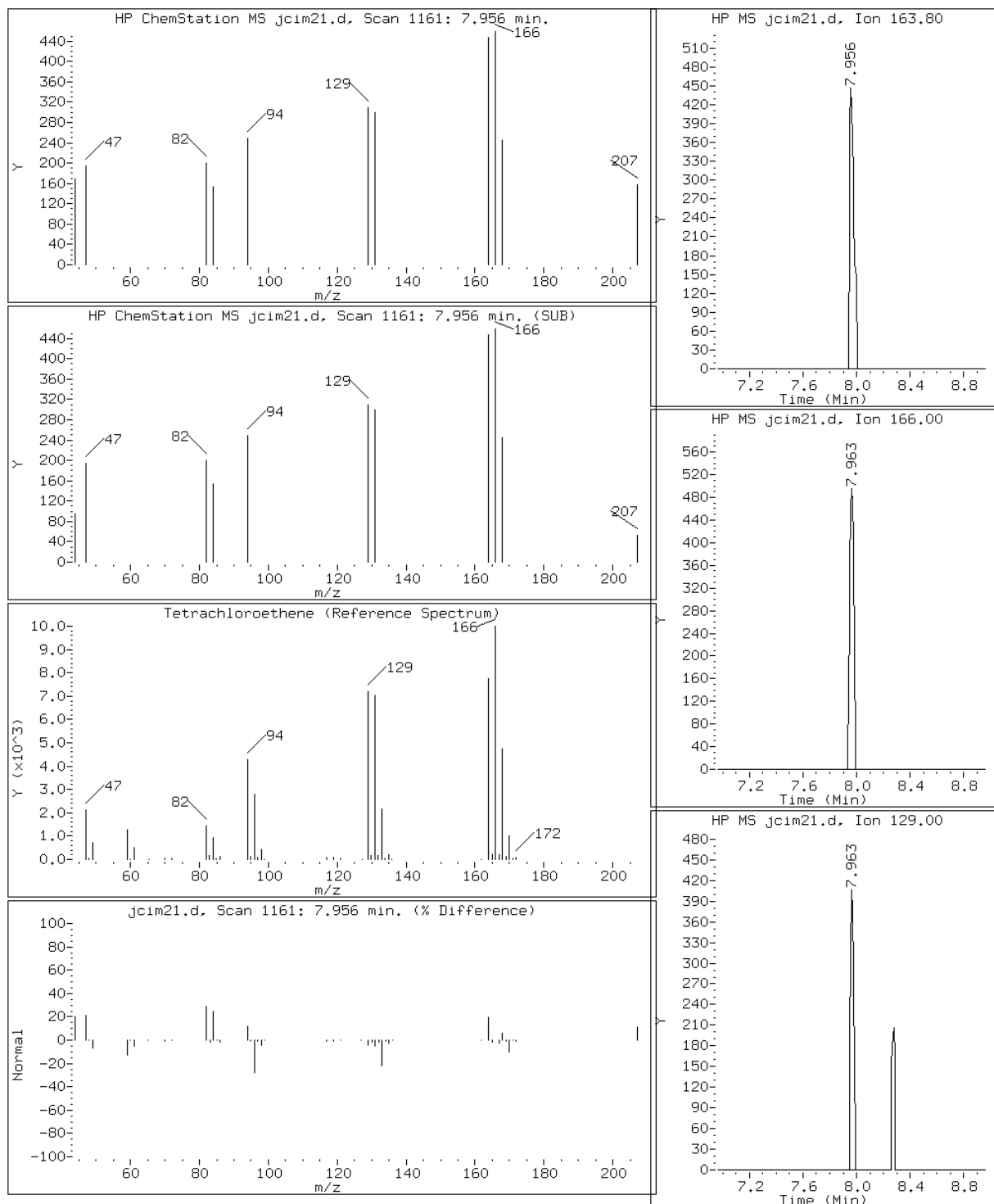
Client ID: MW-4

Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

45 Tetrachloroethene



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Client ID: MW-4

Sample Info: 200-3445-D-5

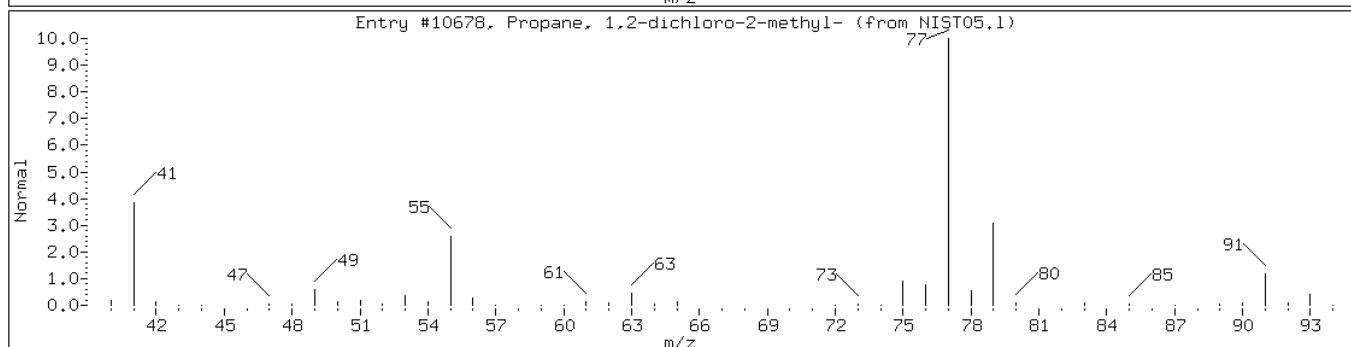
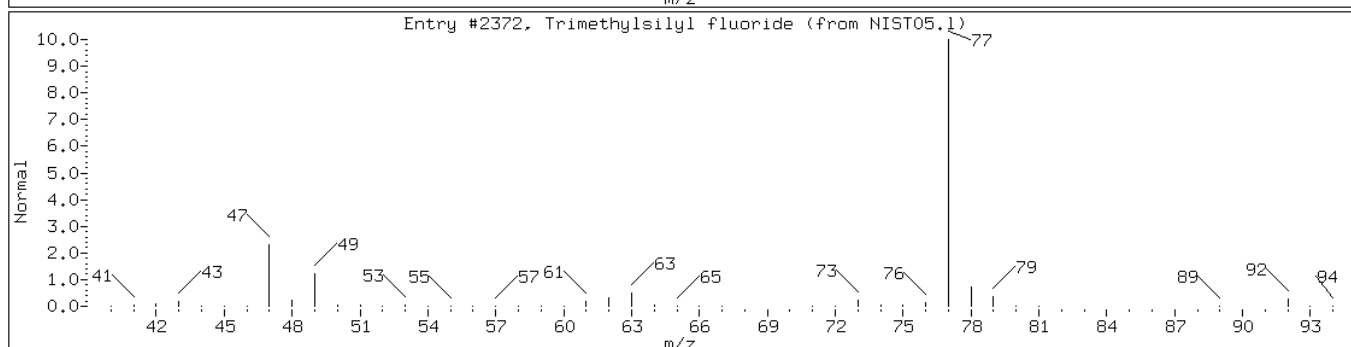
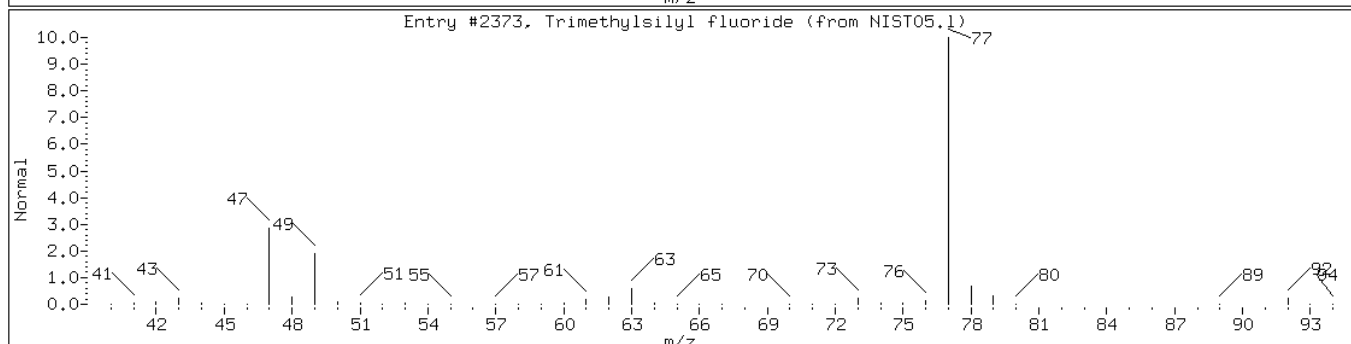
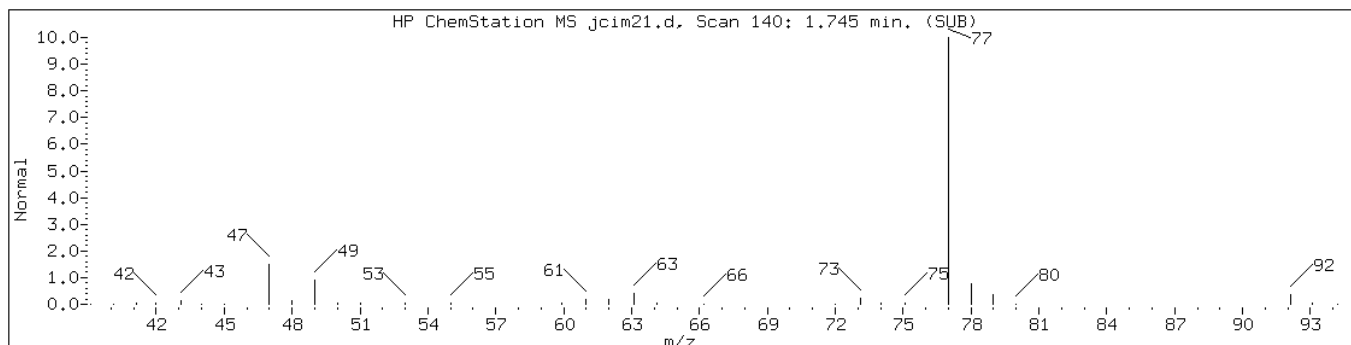
Date: 28-JAN-2011 23:45

Instrument: J.i

Operator: JH2

Retention Time: 1.75

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	90	C3H9FSi	92
Propane, 1,2-dichloro-2-methyl-	594-37-6	NIST05.1	10678	39	C4H8Cl2	126



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

Client ID: MW-4

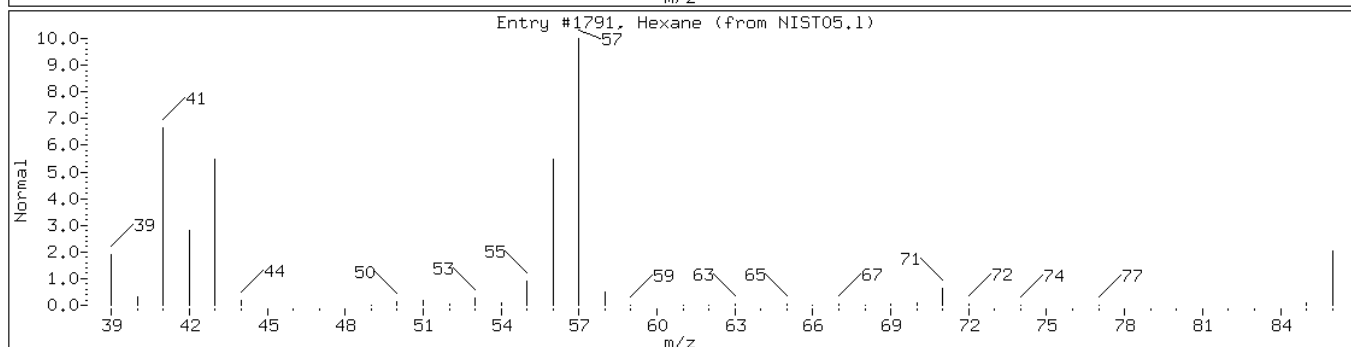
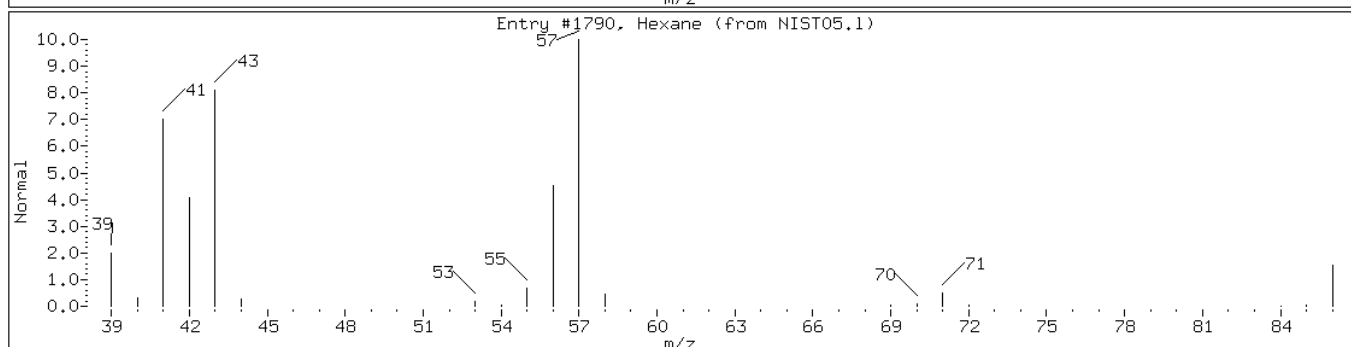
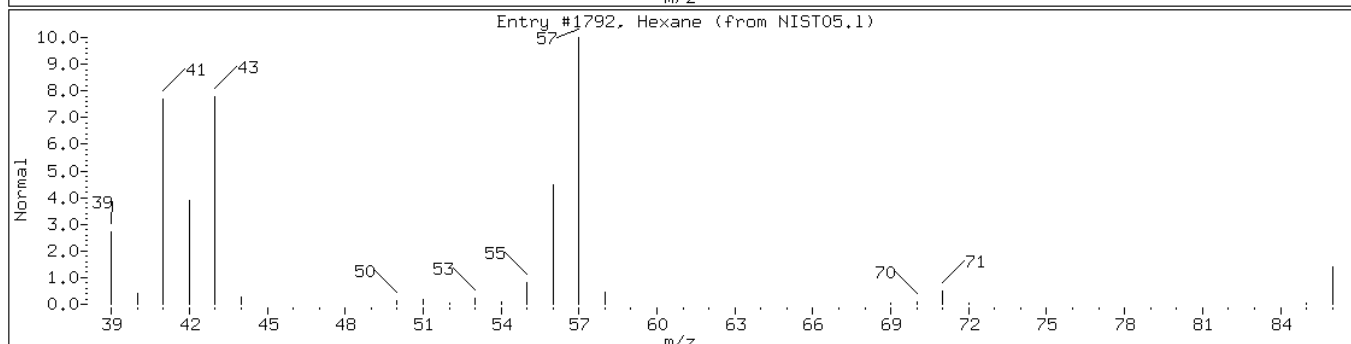
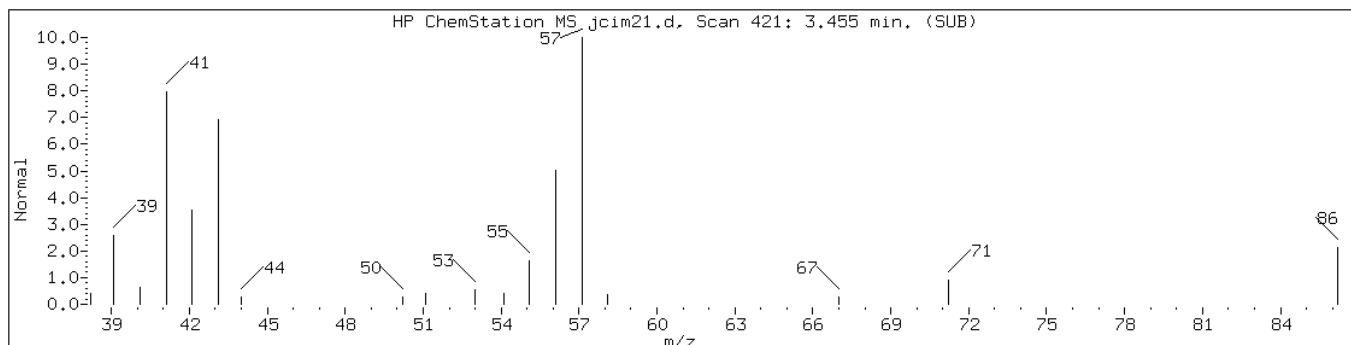
Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1792	72	C6H14	86
Hexane	110-54-3	NIST05.1	1790	72	C6H14	86
Hexane	110-54-3	NIST05.1	1791	52	C6H14	86



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Client ID: MW-4

Sample Info: 200-3445-D-5

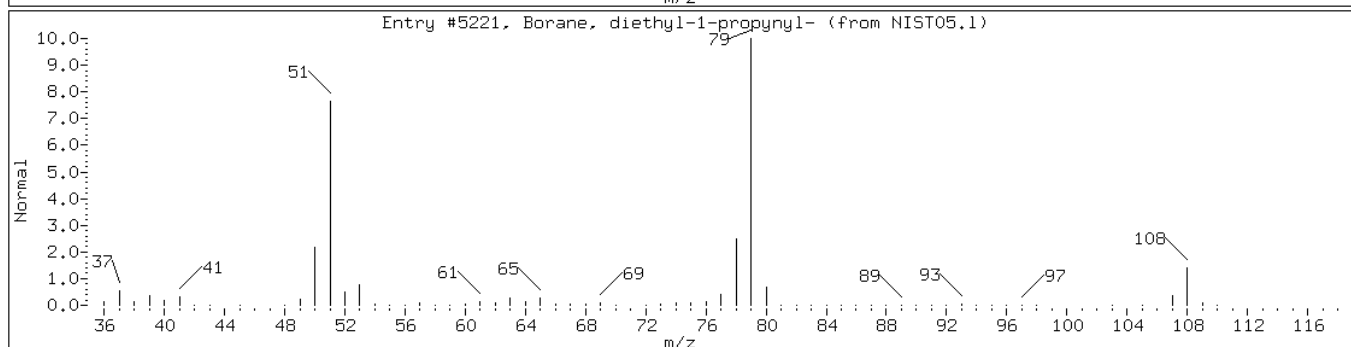
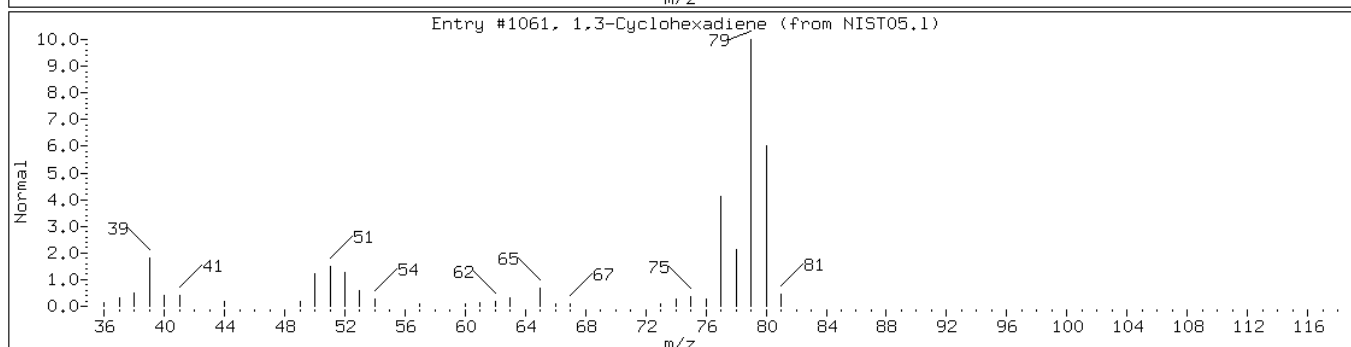
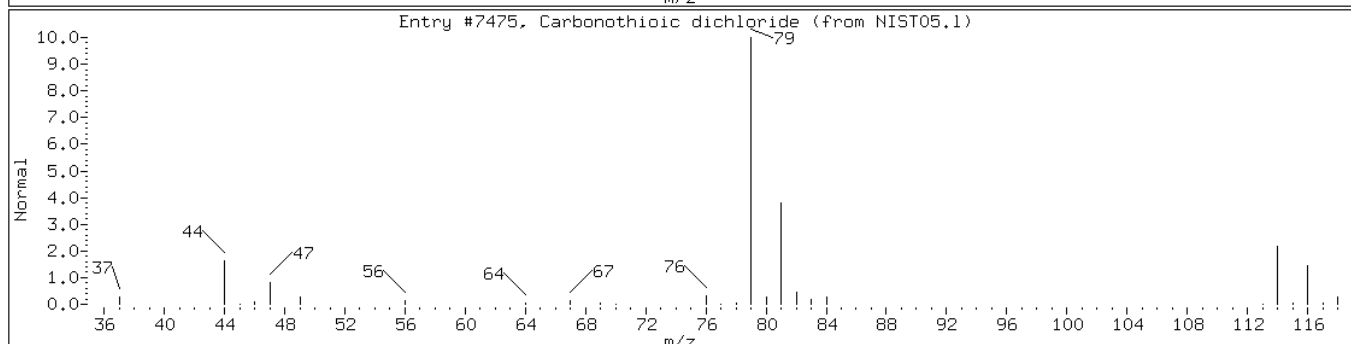
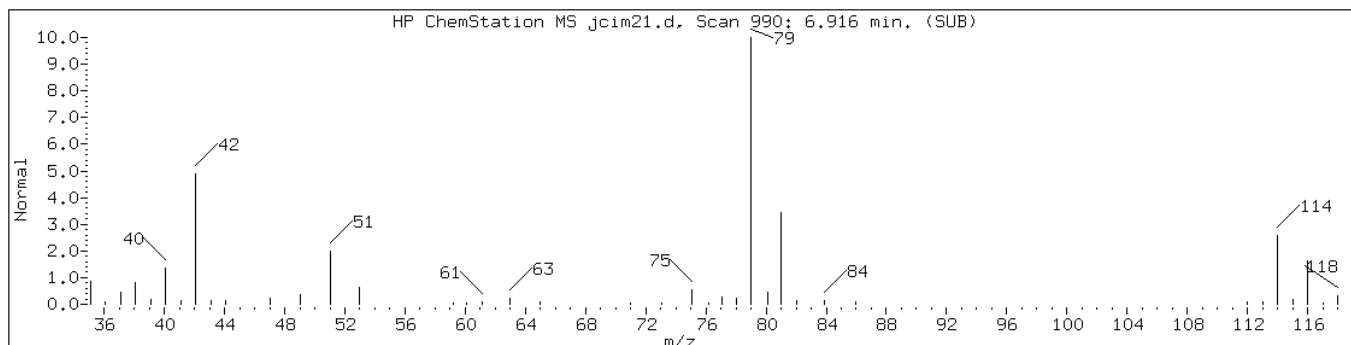
Date: 28-JAN-2011 23:45

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	58	CCl2S	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	37	C6H8	80
Borane, diethyl-1-propynyl-	22405-32-9	NIST05.1	5221	37	C7H13B	108



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Client ID: MW-4

Sample Info: 200-3445-D-5

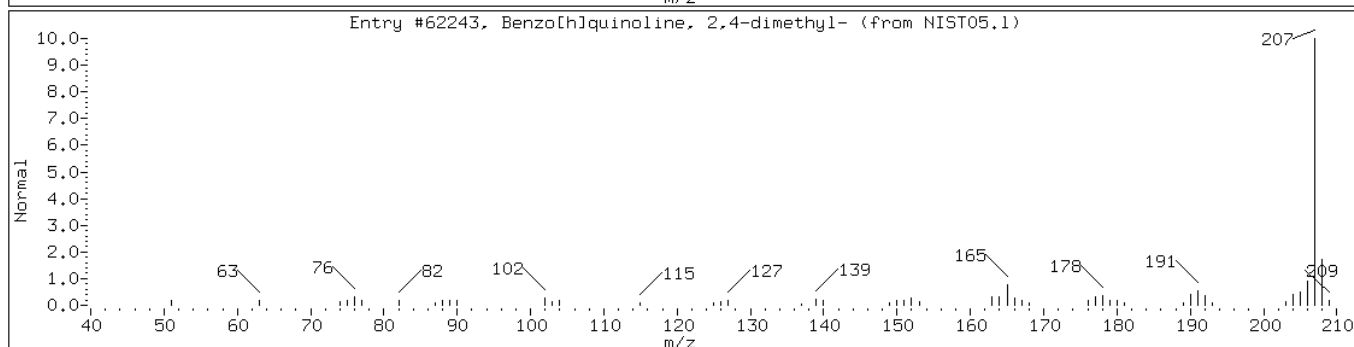
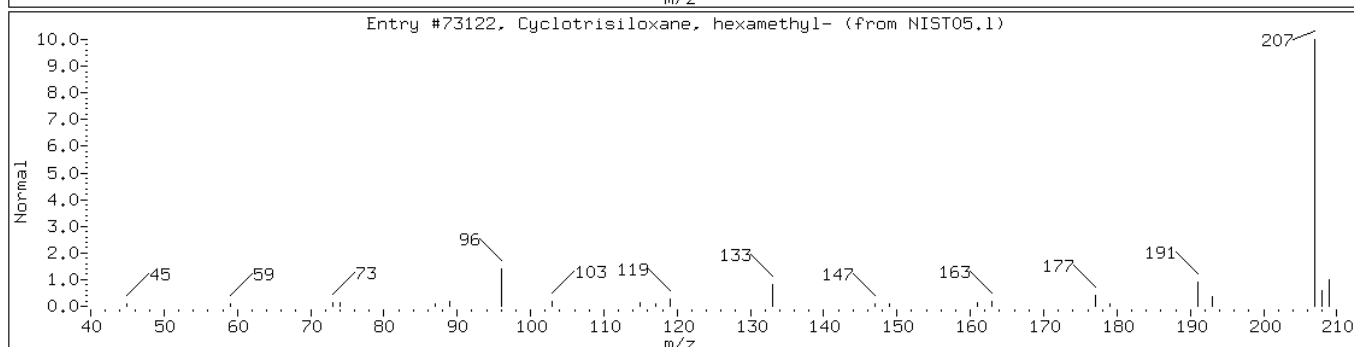
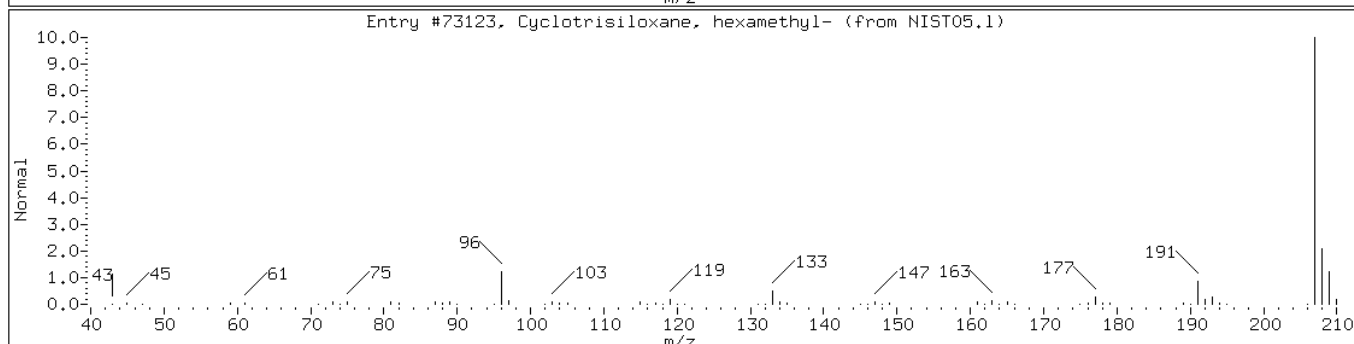
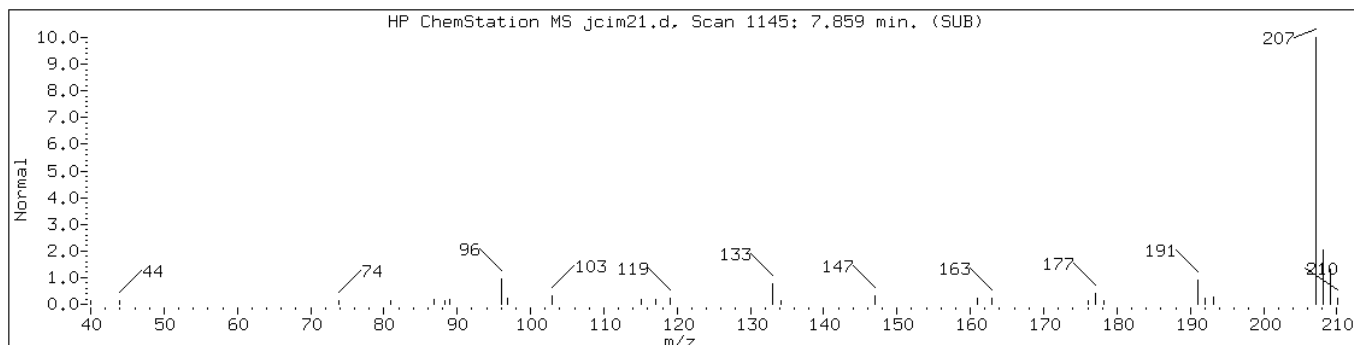
Date: 28-JAN-2011 23:45

Instrument: J.i

Operator: JH2

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	72	C ₆ H ₁₈ O ₃ Si ₃	222
Benzo[h]quinoline, 2,4-dimethyl-	605-67-4	NIST05.1	62243	59	C ₁₅ H ₁₃ N	207



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

Client ID: MW-4

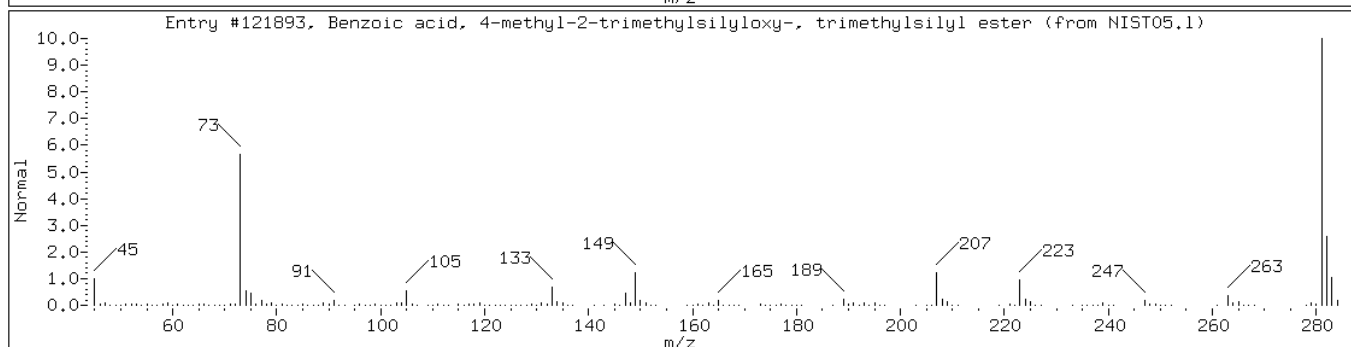
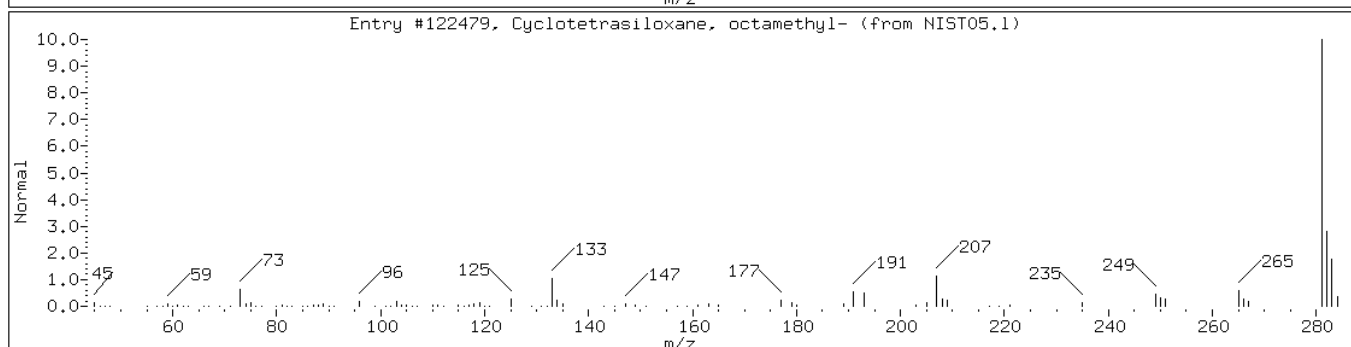
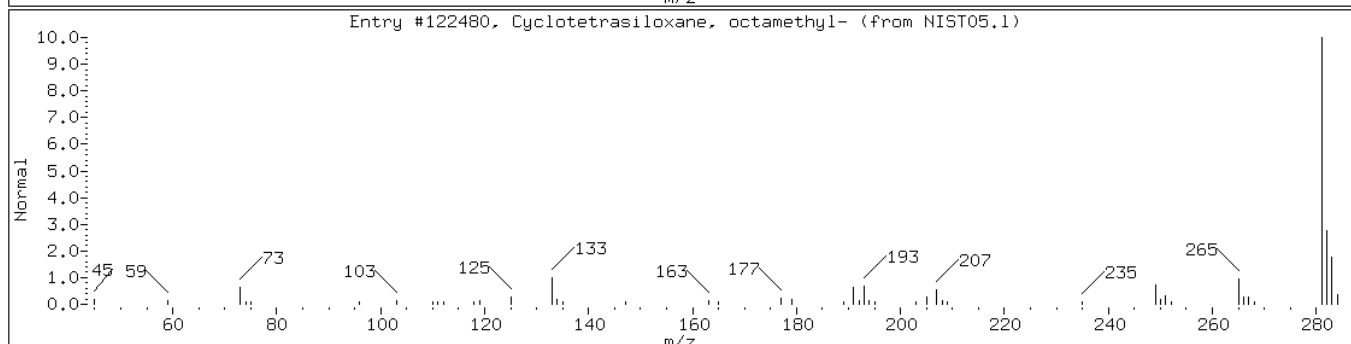
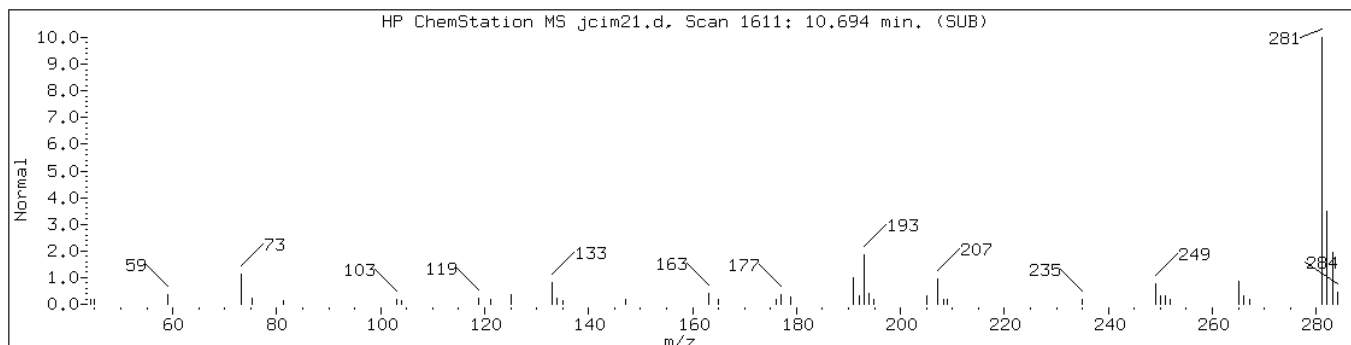
Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	87	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	64	C ₈ H ₂₄ O ₄ Si ₄	296
Benzoic acid, 4-methyl-2-trimethyl	1000153-59-3	NIST05.1	121893	53	C ₁₄ H ₂₄ O ₃ Si ₂	296



Data File: jcim21.d

Lab Sample ID: 200-3445-5

Date: 28-JAN-2011 23:45

Client ID: MW-4

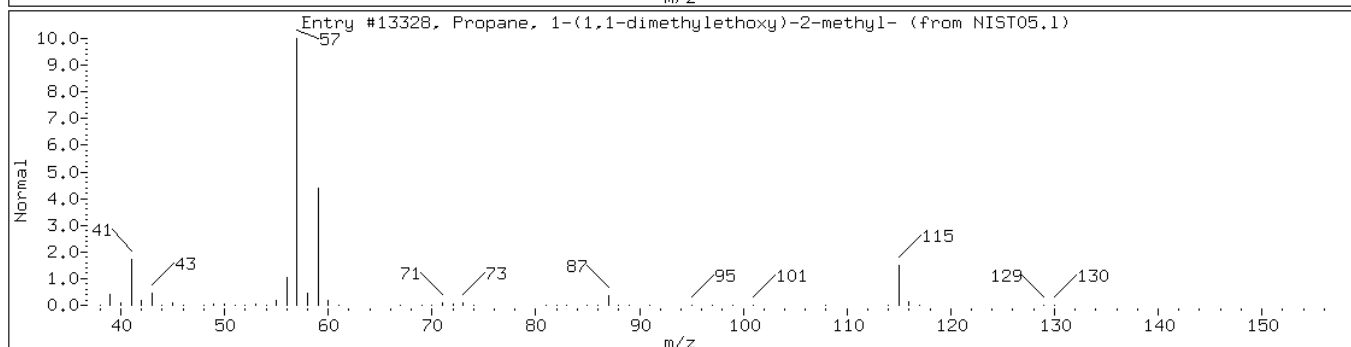
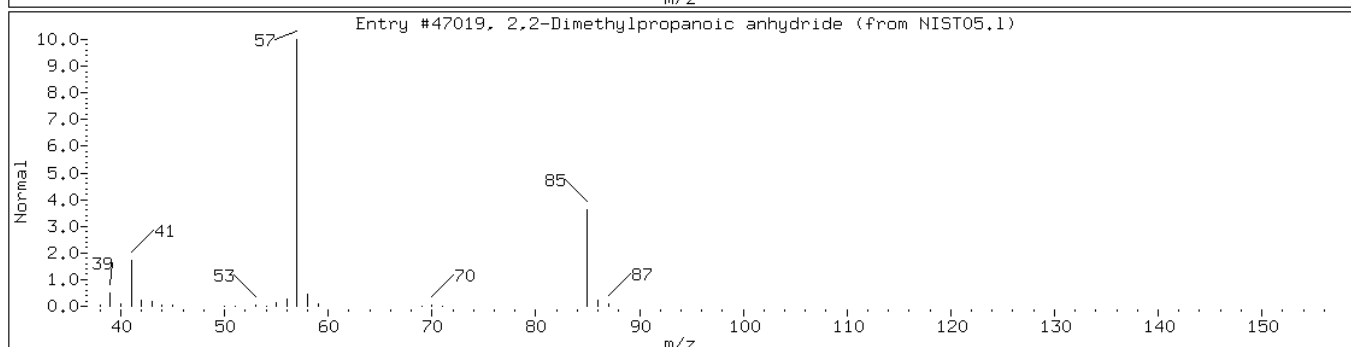
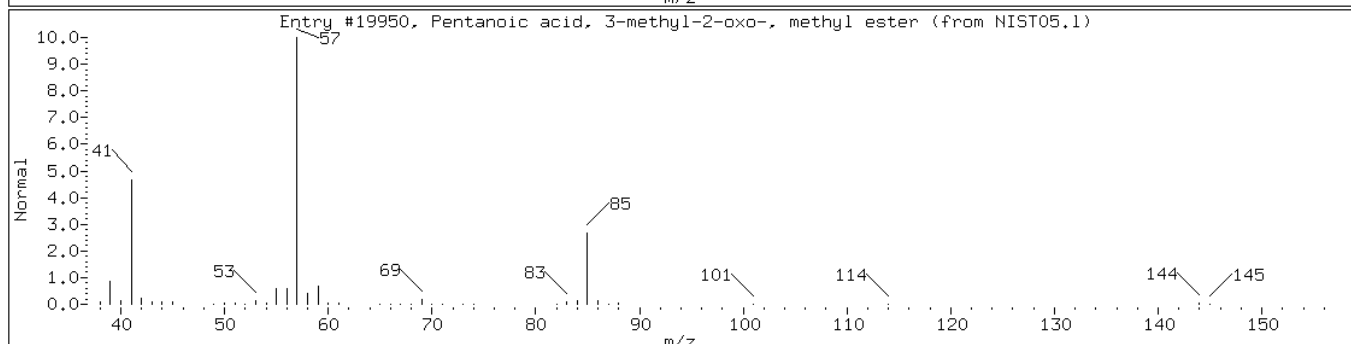
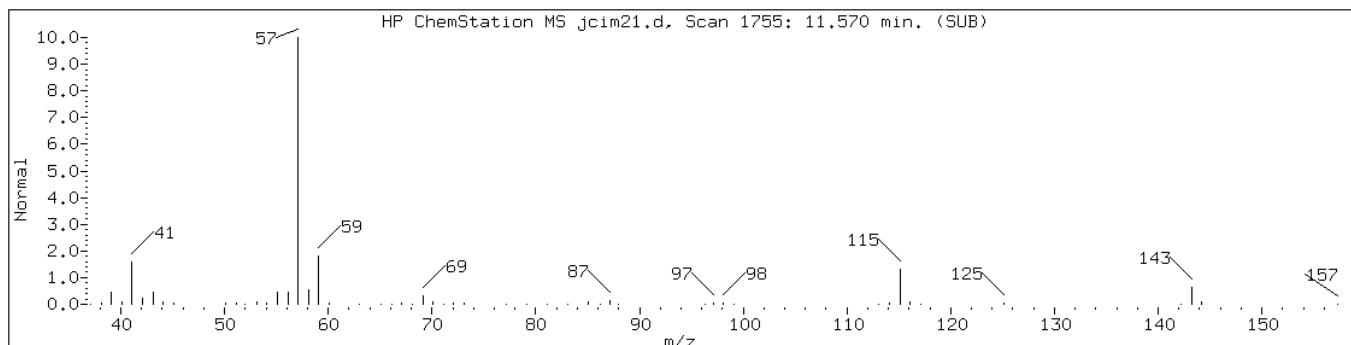
Instrument: J.i

Sample Info: 200-3445-D-5

Operator: JH2

Retention Time: 11.57

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentanoic acid, 3-methyl-2-oxo-, m	3682-42-6	NIST05.1	19950	32	C7H12O3	144
2,2-Dimethylpropanoic anhydride	1538-75-6	NIST05.1	47019	23	C10H18O3	186
Propane, 1-(1,1-dimethylethoxy)-2-	33021-02-2	NIST05.1	13328	23	C8H18O	130



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-6 Lab Sample ID: 200-3445-6
 Matrix: Water Lab File ID: jcim22.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 12:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/29/2011 00:10
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	6.3	B	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	2.4	B	0.50	0.032
75-34-3	1,1-Dichloroethane	0.25	J	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	0.67	J	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.48	J	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.26	J	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.031	J	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: MW-6 Lab Sample ID: 200-3445-6
 Matrix: Water Lab File ID: jcim22.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 12:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/29/2011 00:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	111		65-131
19199-91-8	Chloroethane-d5	114		71-131
22280-73-5	1,1-Dichloroethene-d2	89		55-104
24313-50-6	2-Butanone-d5	97		49-155
865-49-6	Chloroform-d	114		78-121
17060-07-0	1,2-Dichloroethane-d4	112		78-129
1076-43-3	Benzene-d6	111		77-124
93952-08-0	1,2-Dichloropropane-d6	103		79-124
2037-26-5	Toluene-d8	113		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	103		73-121
4840-82-8	2-Hexanone-d5	104		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	104		73-125
2199-69-1	1,2-Dichlorobenzene-d4	107		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-6 Lab Sample ID: 200-3445-6
Matrix: Water Lab File ID: jcim22.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 12:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/29/2011 00:10
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L
Number TICs Found: 4 TIC Result Total: 22.83

CAS NO.	COMPOUND NAME	RT	RESULT	Q
420-56-4	Trimethylsilyl fluoride	1.75	9.9	J N
	Unknown	6.92	3.0	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.87	0.52	B J N
	Unknown	11.57	8.9	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: MW-6 Lab Sample ID: 200-3445-6
Matrix: Water Lab File ID: jcim22.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 12:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/29/2011 00:10
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		13	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-6
Client Smp ID: MW-6
Inj Date : 29-JAN-2011 00:10
Operator : JH2
Smp Info : 200-3445-D-6
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmt.r.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 41
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	92857	138.248	5.5
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.928	1.927	(0.344)	78825	141.910	5.7
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.536	(0.452)	136311	111.773	4.5
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		2.591	2.584	(0.463)	5667	156.595	6.3
13 Carbon disulfide	76					Compound Not Detected.		
14 Methyl acetate	43					Compound Not Detected.		
15 Methylene chloride	84					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96		Compound Not Detected.				
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	39475	59.6925	2.4
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	5946	6.26671	0.25(a)
\$ 19 2-Butanone-d5	46	4.173	4.172	(0.746)	58089	1211.46	48
20 cis-1,2-Dichloroethene	96		Compound Not Detected.				
21 2-Butanone	43	4.252	4.239	(0.760)	773	16.7974	0.67(a)
22 Bromochloromethane	128		Compound Not Detected.				
\$ 23 Chloroform-d	84	4.538	4.537	(0.811)	144611	142.800	5.7(Q)
24 Chloroform	83	4.562	4.562	(0.815)	11409	12.0705	0.48(a)
25 1,1,1-Trichloroethane	97	4.757	4.756	(0.532)	6295	6.45953	0.26(a)
26 Cyclohexane	56		Compound Not Detected.				
27 Carbon tetrachloride	117		Compound Not Detected.				
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	49936	140.434	5.6
\$ 29 Benzene-d6	84	5.122	5.121	(0.573)	304422	138.714	5.5
30 Benzene	78	5.164	5.164	(0.578)	1748	0.78162	0.031(a)
31 1,2-Dichloroethane	62		Compound Not Detected.				
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	244621	125.000	
33 Trichloroethene	95		Compound Not Detected.				
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	71400	128.598	5.1
35 Methylcyclohexane	55		Compound Not Detected.				
36 1,2-Dichloropropane	63		Compound Not Detected.				
37 Bromodichloromethane	83		Compound Not Detected.				
38 cis-1,3-Dichloropropene	75		Compound Not Detected.				
39 4-Methyl-2-pentanone	43		Compound Not Detected.				
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	289668	140.773	5.6
41 Toluene	91		Compound Not Detected.				
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	50534	129.165	5.2
43 trans-1,3-Dichloropropene	75		Compound Not Detected.				
44 1,1,2-Trichloroethane	97		Compound Not Detected.				
45 Tetrachloroethene	163		Compound Not Detected.				
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)	47842	1299.64	52
47 2-Hexanone	43		Compound Not Detected.				
48 Dibromochloromethane	129		Compound Not Detected.				
49 1,2-Dibromoethane	107		Compound Not Detected.				
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	204550	125.000	
51 Chlorobenzene	112		Compound Not Detected.				
52 Ethylbenzene	91		Compound Not Detected.				
53 m,p-Xylene	106		Compound Not Detected.				
54 Styrene	104		Compound Not Detected.				
55 o-Xylene	106		Compound Not Detected.				
56 Bromoform	172		Compound Not Detected.				
57 Isopropylbenzene	105		Compound Not Detected.				
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	28387	129.466	5.2
59 1,1,2,2-Tetrachloroethane	83		Compound Not Detected.				
60 1,3-Dichlorobenzene	146		Compound Not Detected.				
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	99278	125.000	
62 1,4-Dichlorobenzene	146		Compound Not Detected.				

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	78778	133.634	5.3
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-6
Client Smp ID: MW-6
Inj Date : 29-JAN-2011 00:10
Operator : JH2
Smp Info : 200-3445-D-6
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 41
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	544535	125.000
* 50 Chlorobenzene-d5	8.942	583993	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	568718	125.000

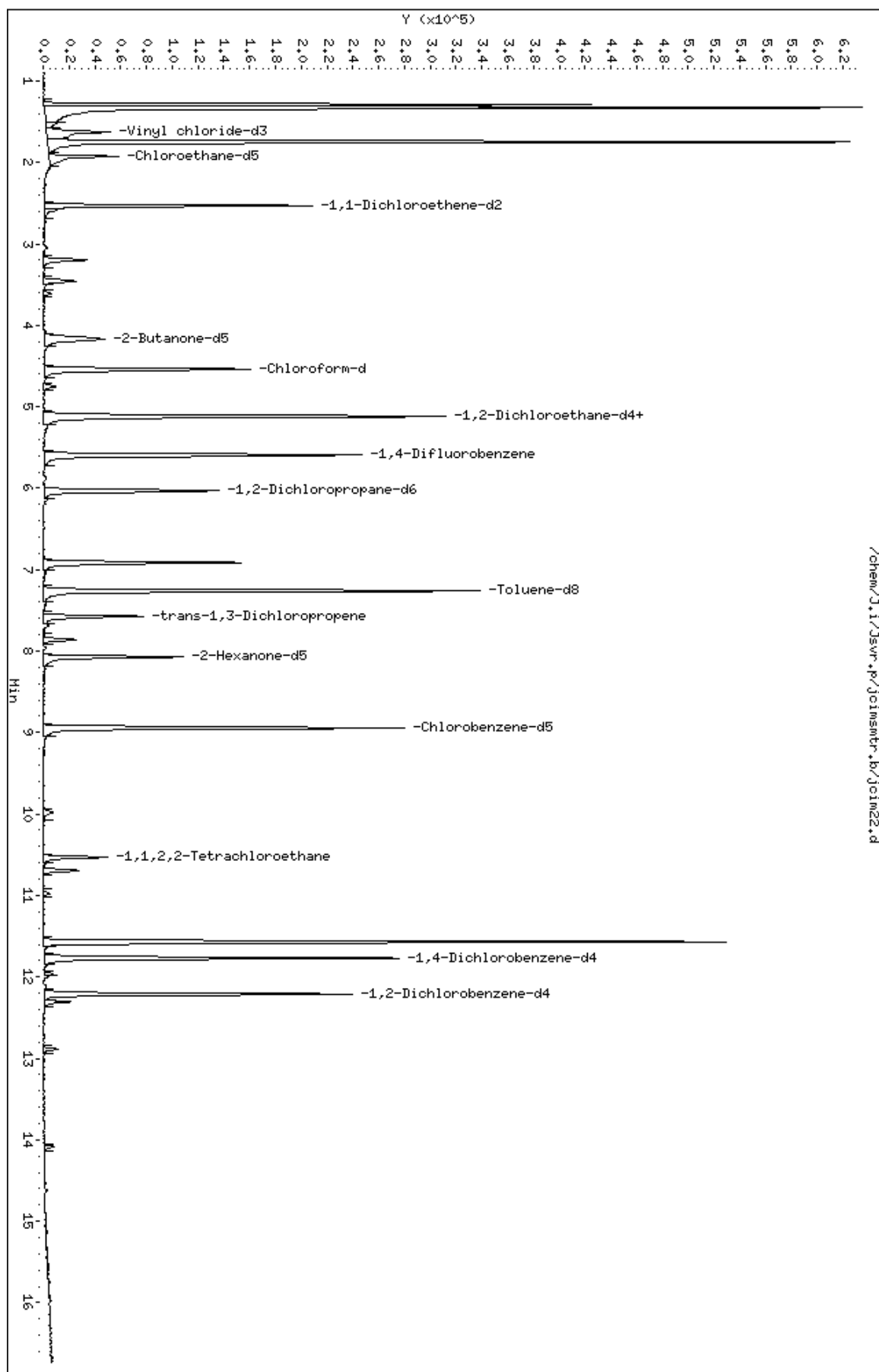
CONCENTRATIONS					QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #	
=====	=====	=====	=====	=====	=====	=====	=====	
Trimethylsilyl fluoride								
1.745	1074863	246.738735	9.9	91	NIST05.1	2373	32	

CAS #: 420-56-4

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
3.455	55996	12.8539714	0.51	0		0	32
Unknown					CAS #:		
6.916	331922	76.1938045	3.0	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.865	60263	12.8989682	0.52	90	NIST05.1	73121	50
Unknown					CAS #:		
11.570	1010532	222.107479	8.9	0		0	61

Data File: /chem/J.i/Jsvr.p/joimsntr.b/joim22.d
Date : 29-JAN-2011 00:10
Client ID: MM-6
Sample Info: 200-3445-D-6
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.20



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

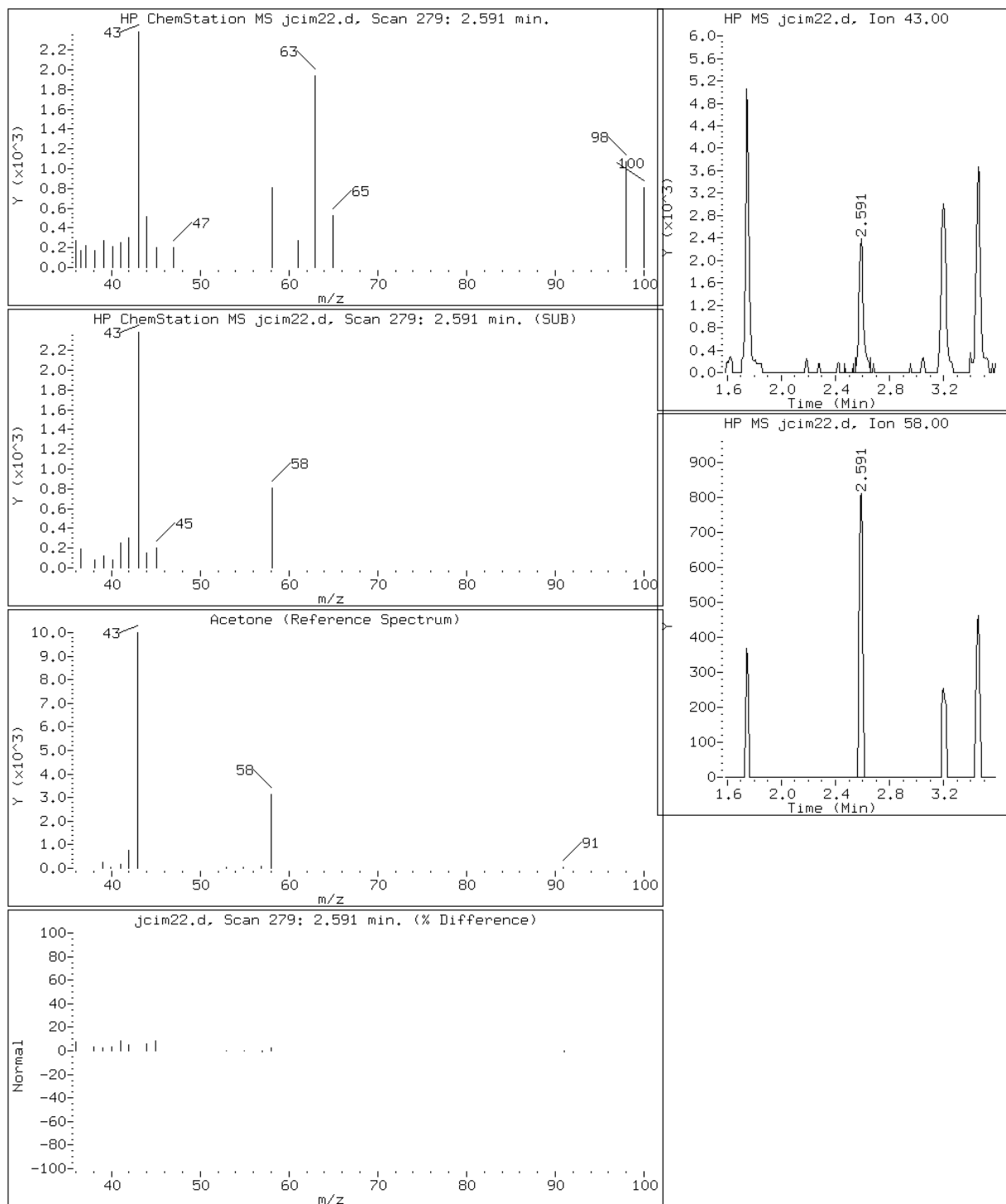
Client ID: MW-6

Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

12 Acetone



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

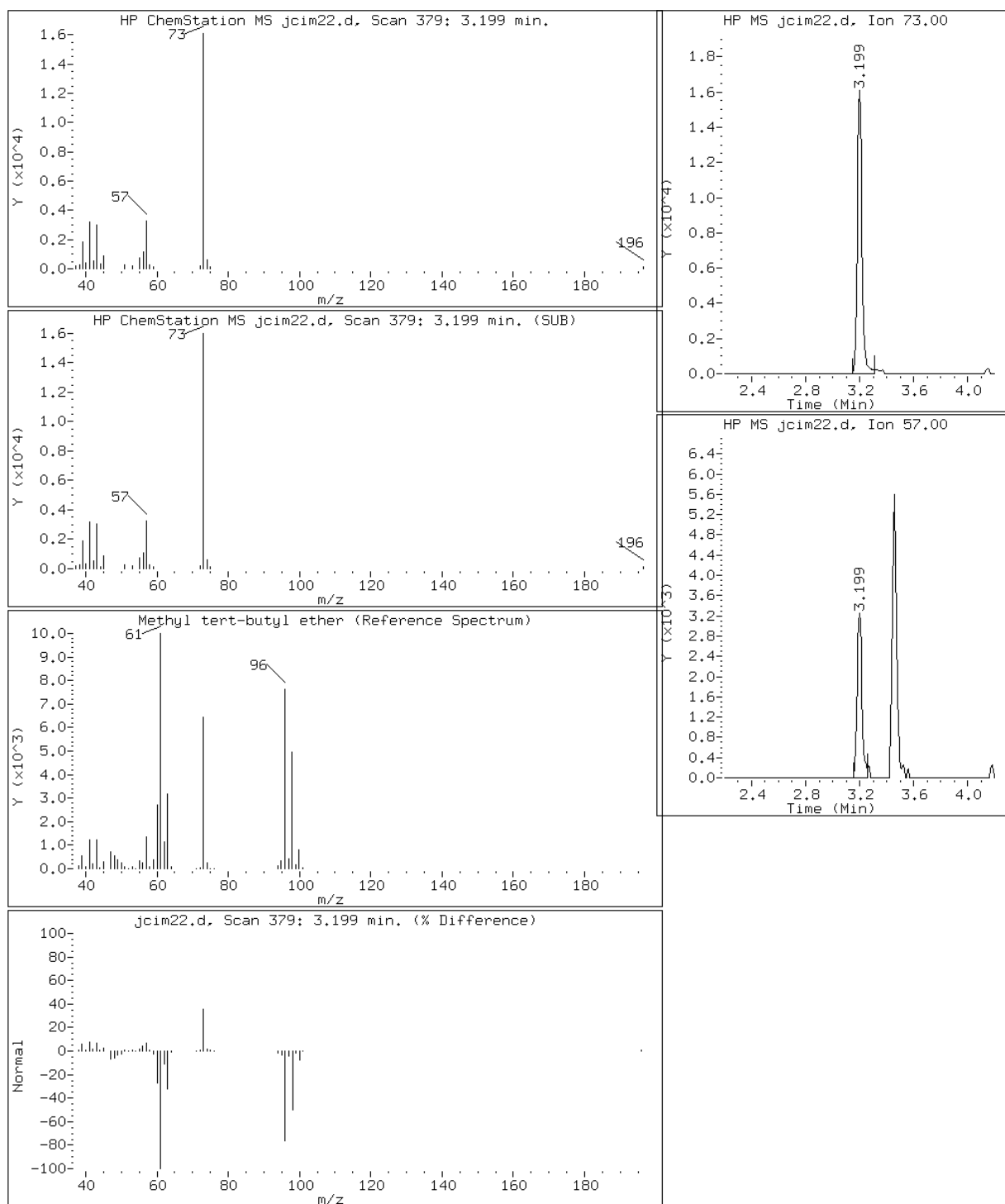
Client ID: MW-6

Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

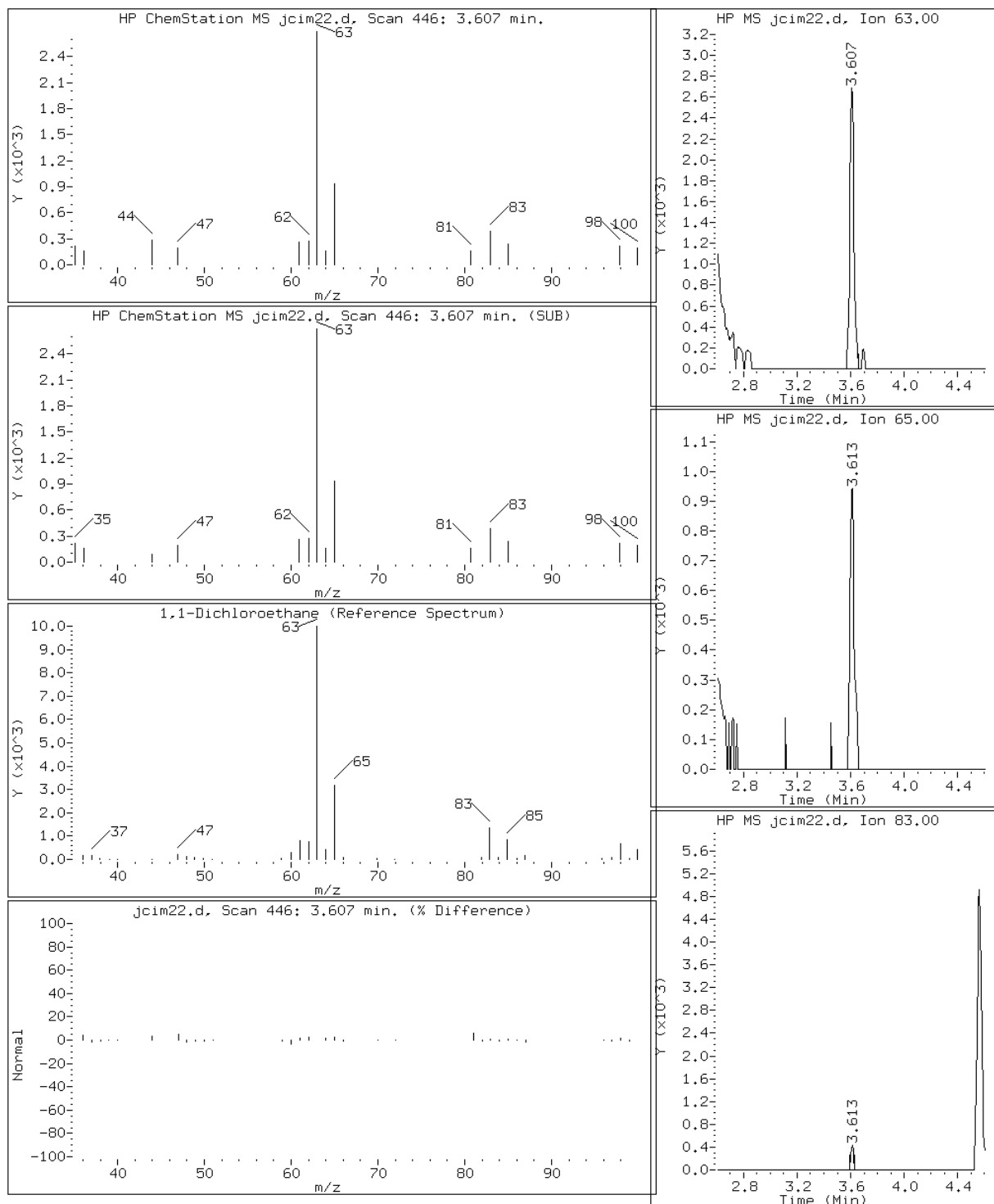
Client ID: MW-6

Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

18 1,1-Dichloroethane



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

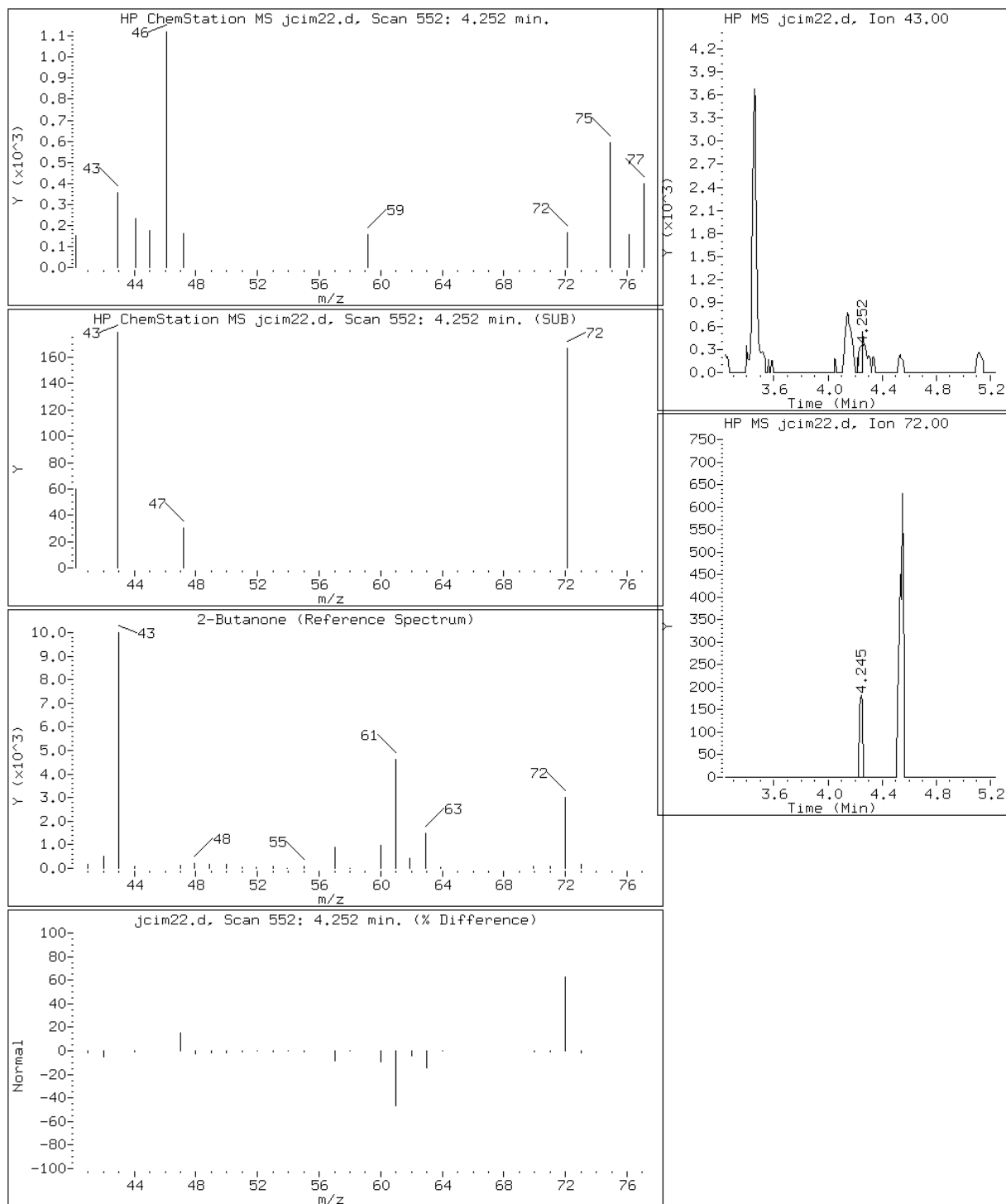
Client ID: MW-6

Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

21 2-Butanone



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

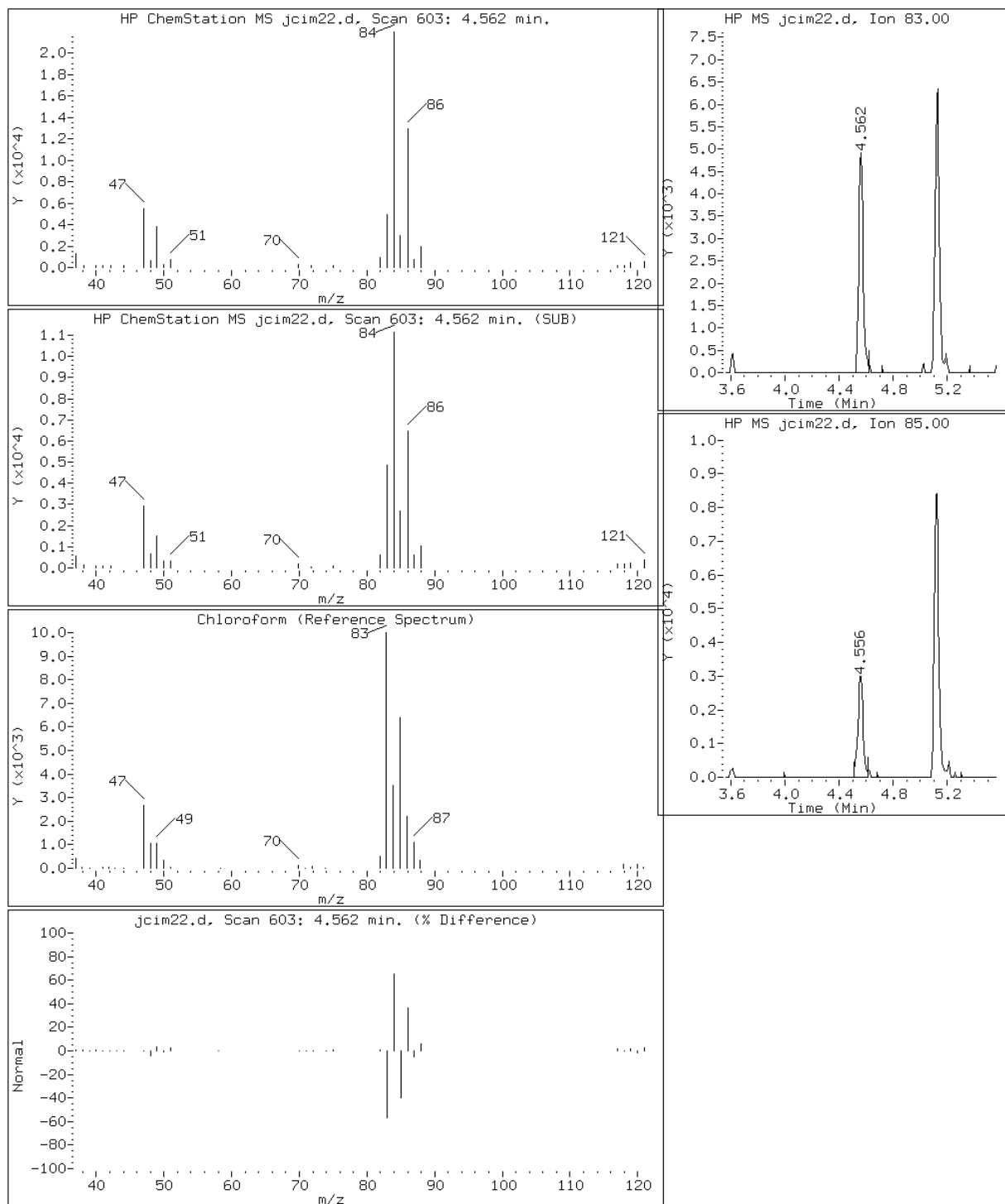
Client ID: MW-6

Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

24 Chloroform



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

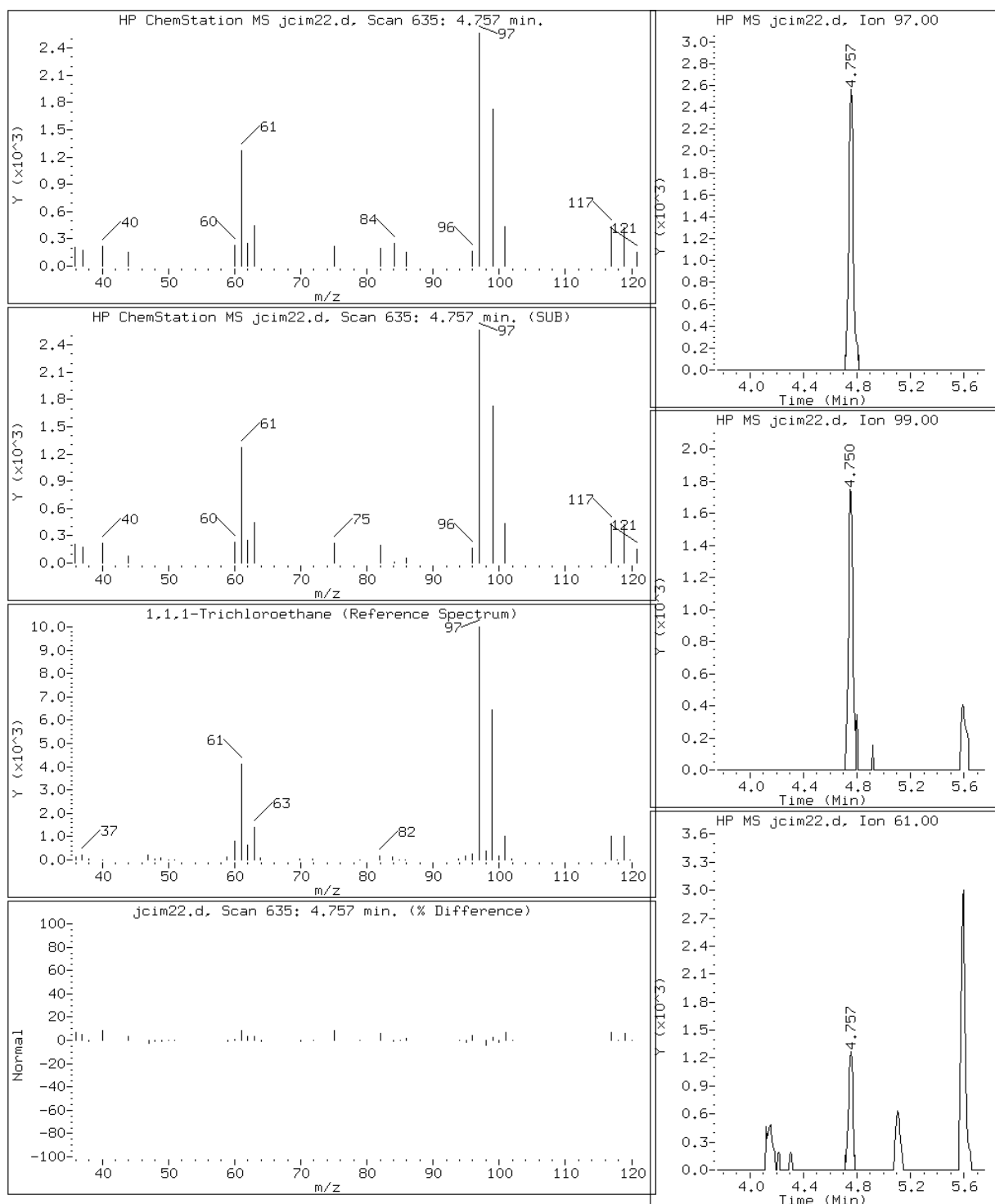
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Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

25 1,1,1-Trichloroethane



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

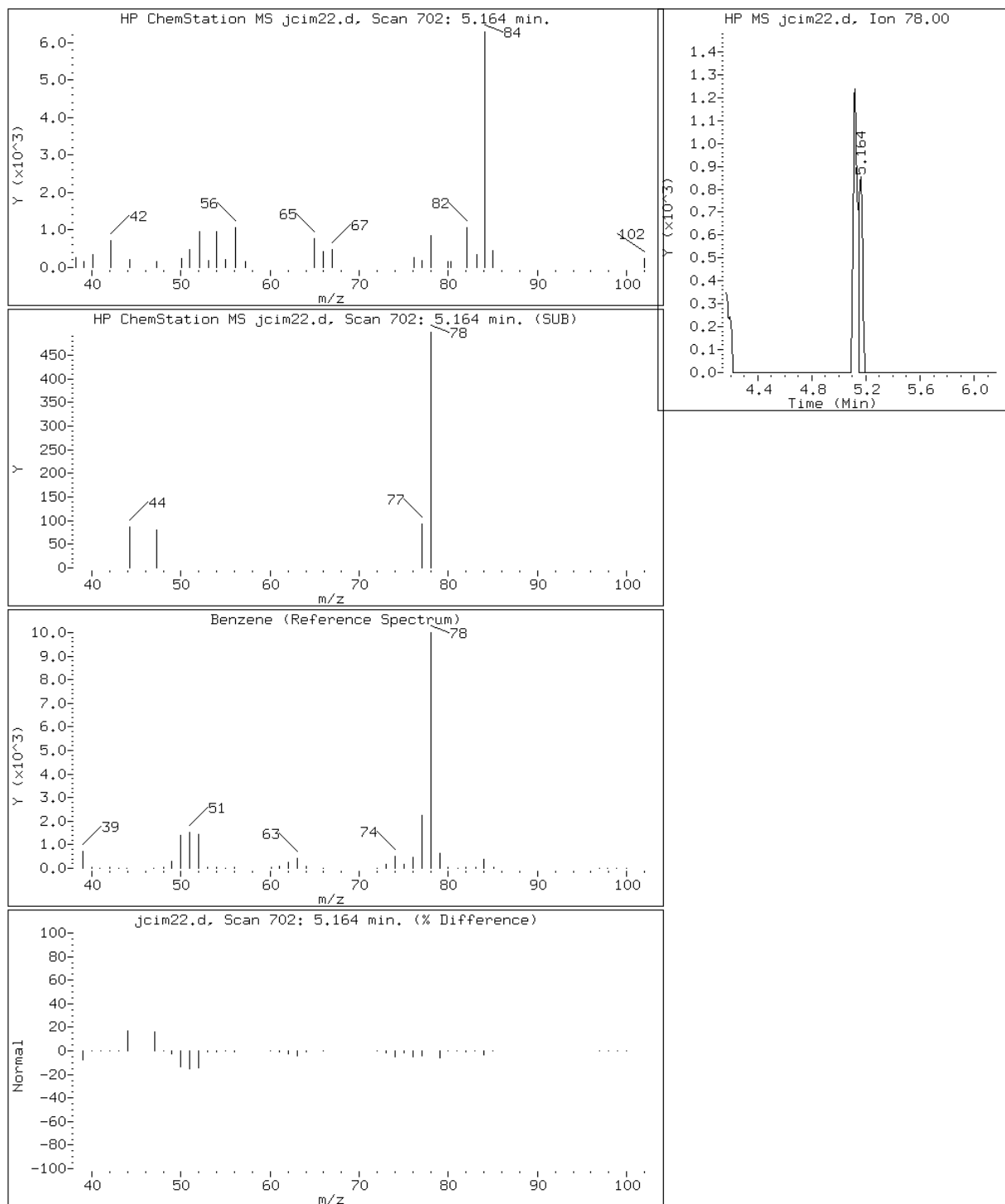
Client ID: MW-6

Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

30 Benzene



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Client ID: MW-6

Sample Info: 200-3445-D-6

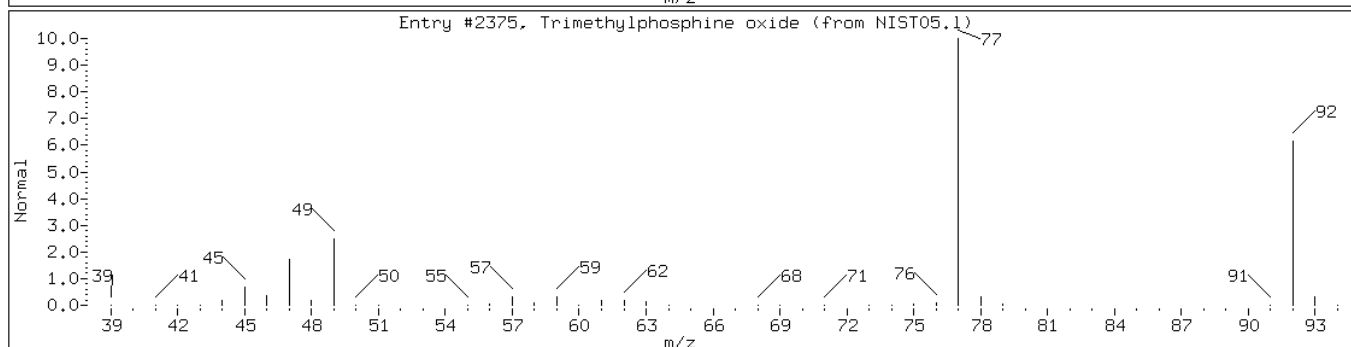
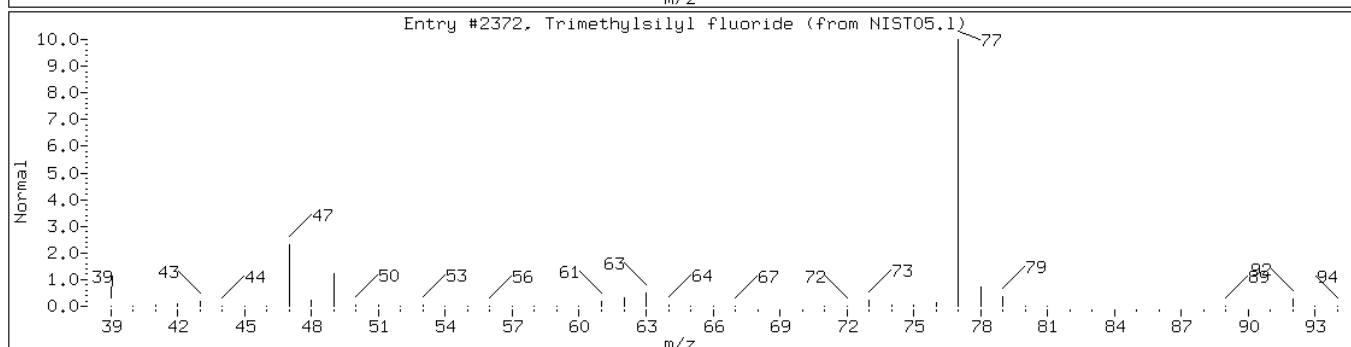
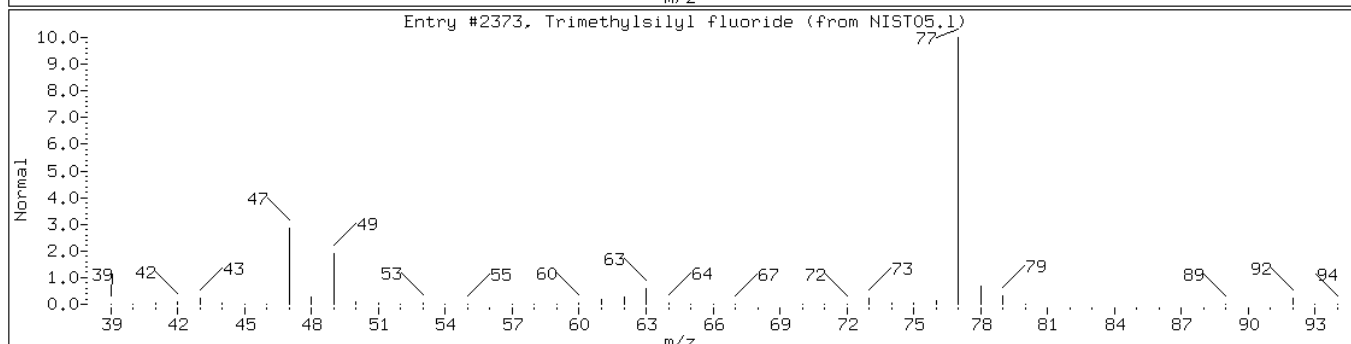
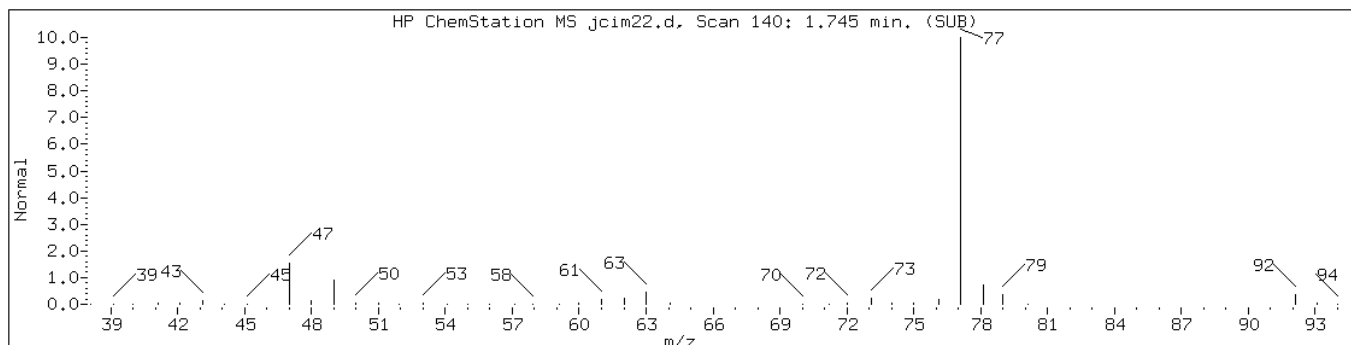
Date: 29-JAN-2011 00:10

Instrument: J.i

Operator: JH2

Retention Time: 1.75

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	91	C3H9FSi	92
Trimethylphosphine oxide	676-96-0	NIST05.1	2375	38	C3H9OP	92



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

Client ID: MW-6

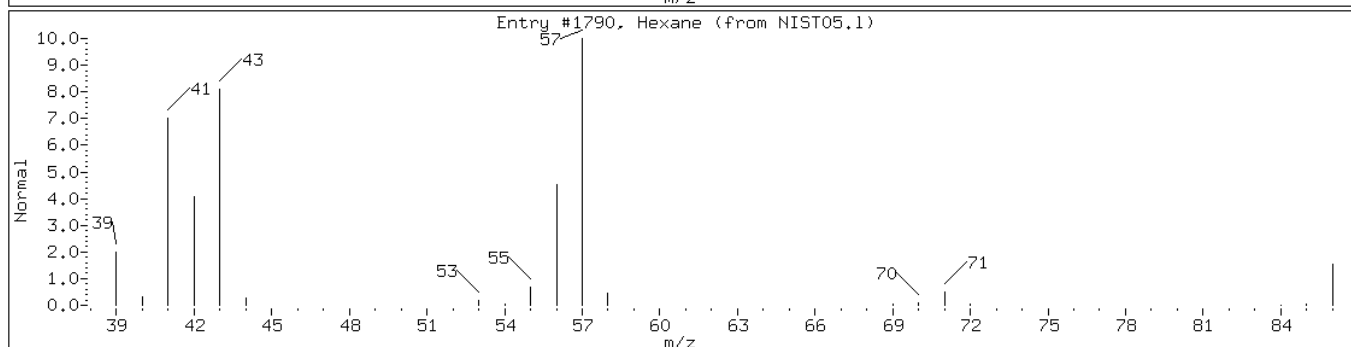
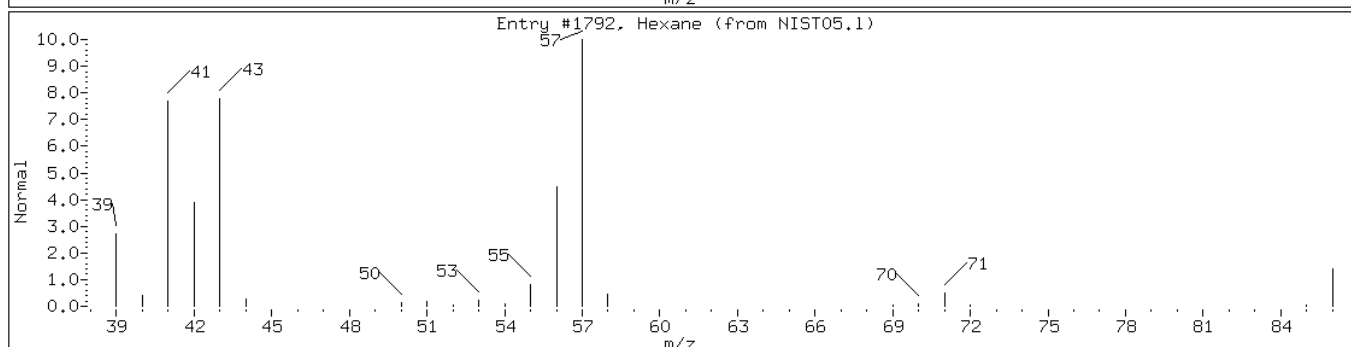
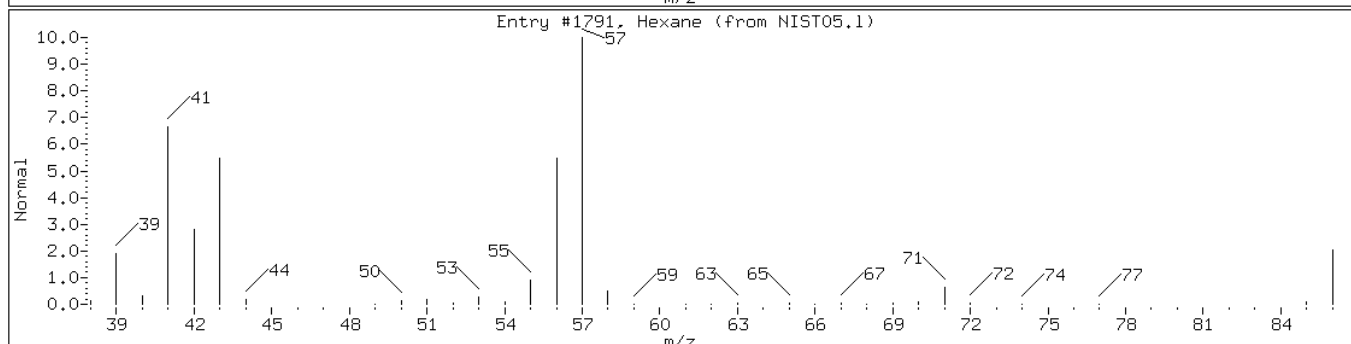
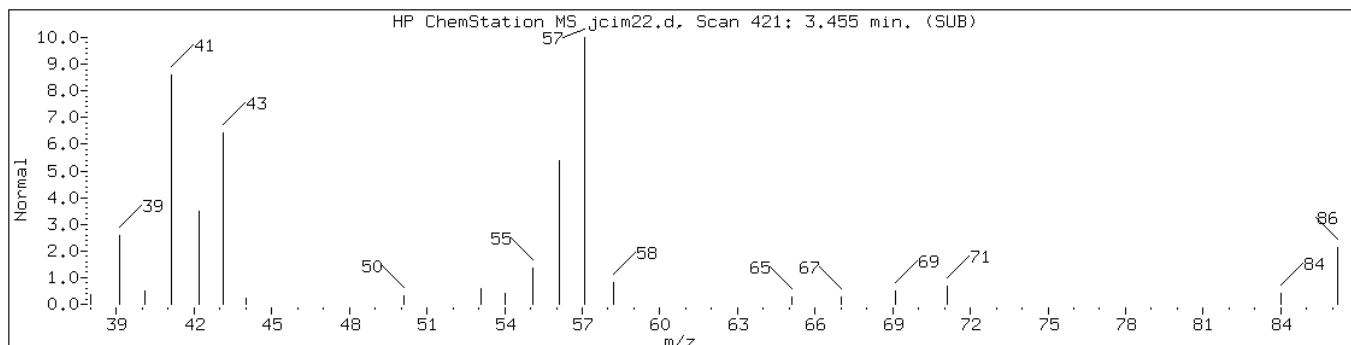
Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	90	C6H14	86
Hexane	110-54-3	NIST05.1	1792	64	C6H14	86
Hexane	110-54-3	NIST05.1	1790	59	C6H14	86



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Client ID: MW-6

Sample Info: 200-3445-D-6

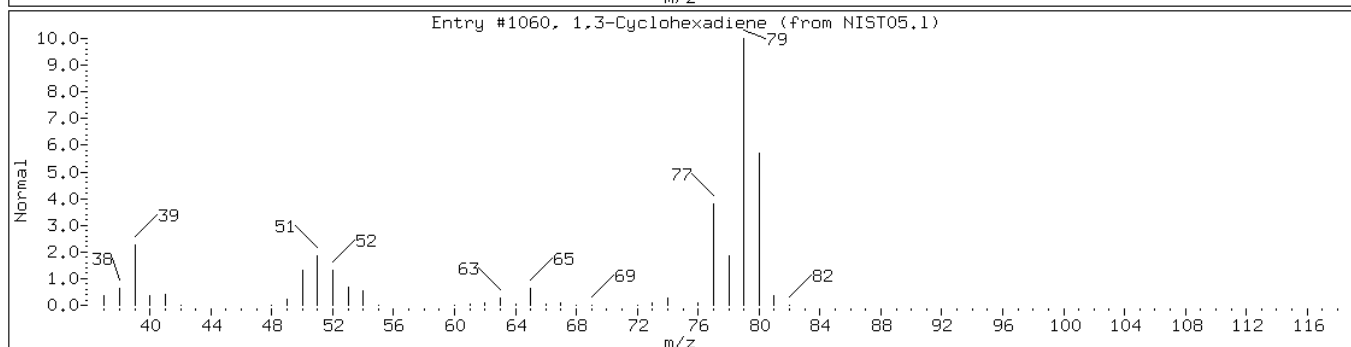
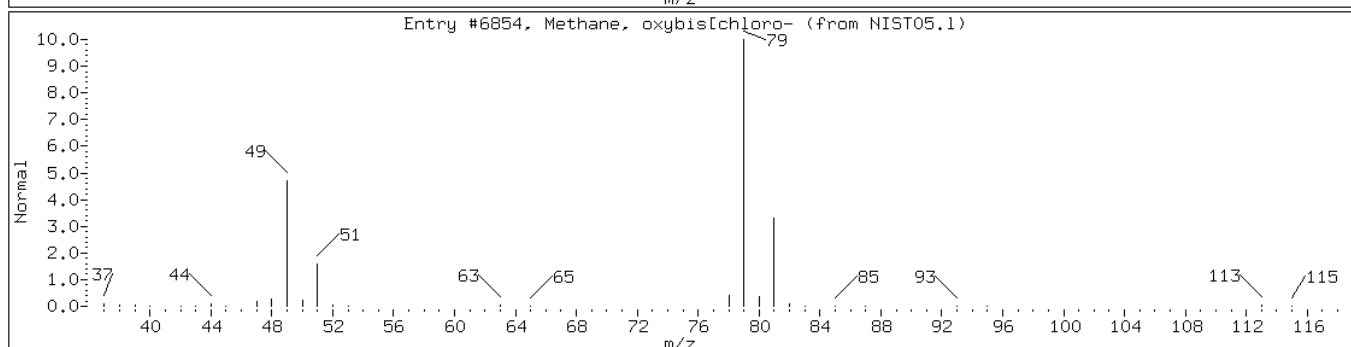
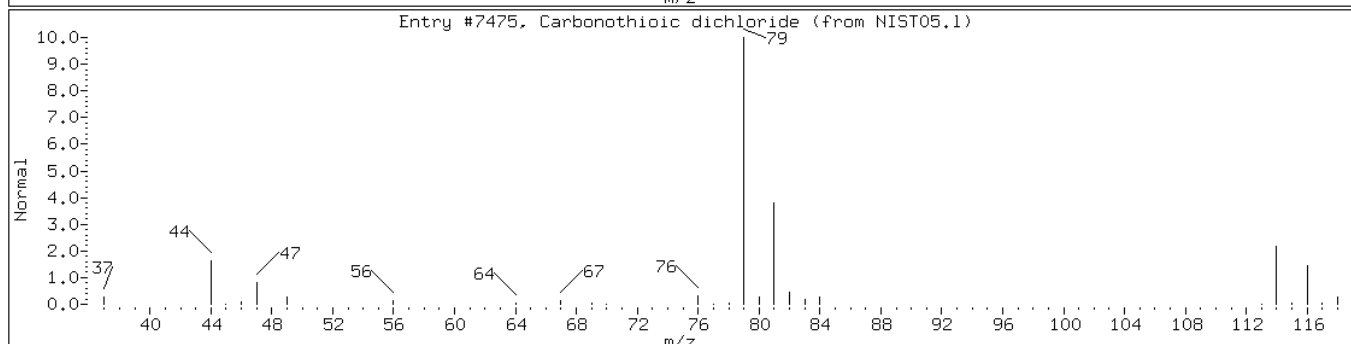
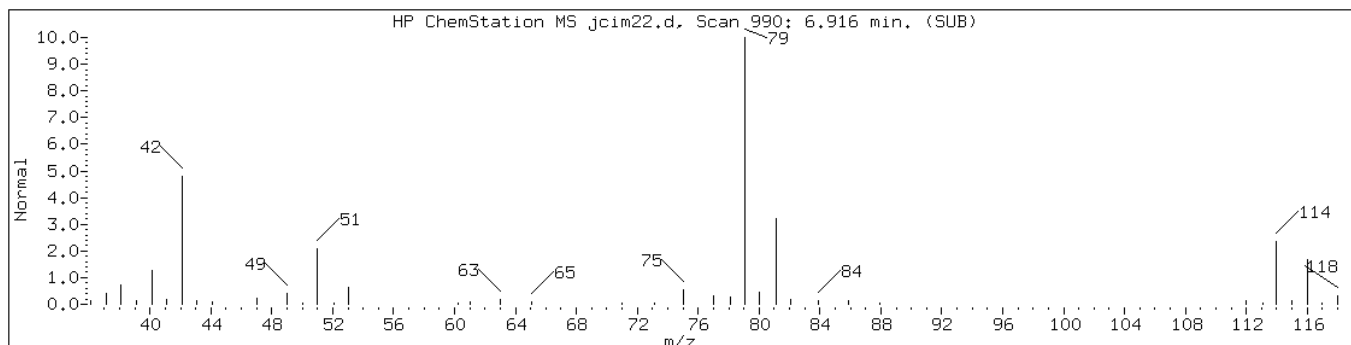
Date: 29-JAN-2011 00:10

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	<chem>CCl2S</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	<chem>C2H4Cl2O</chem>	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1060	25	<chem>C6H8</chem>	80



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

Client ID: MW-6

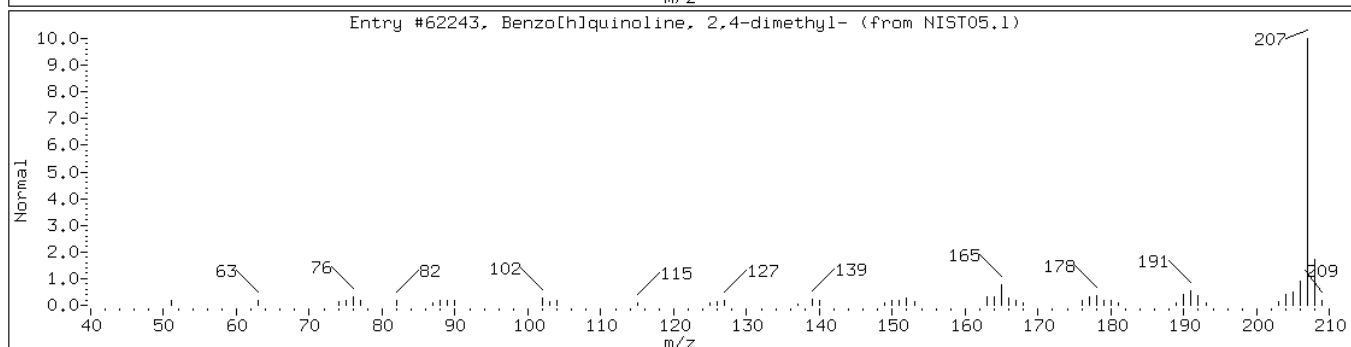
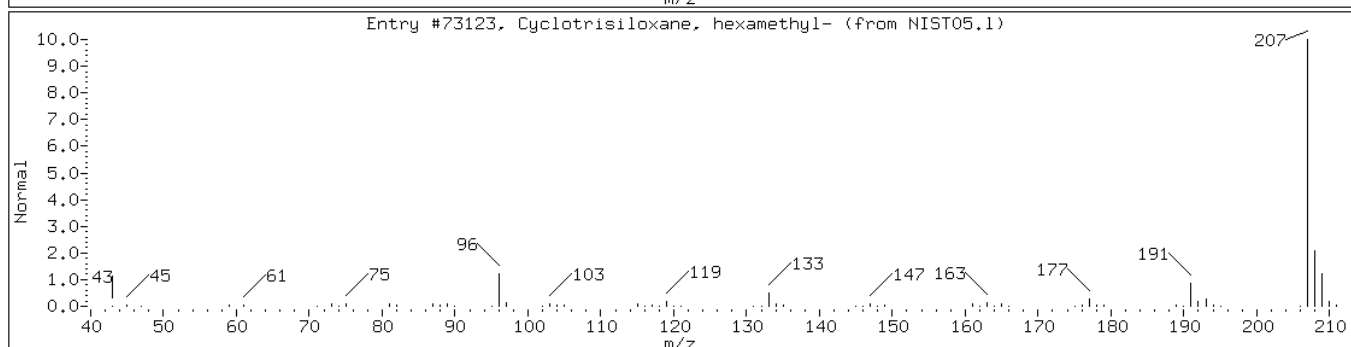
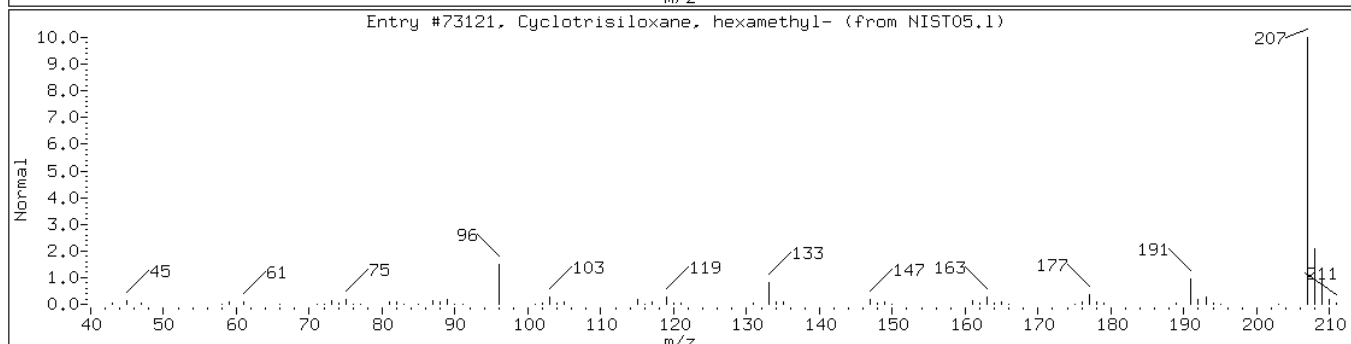
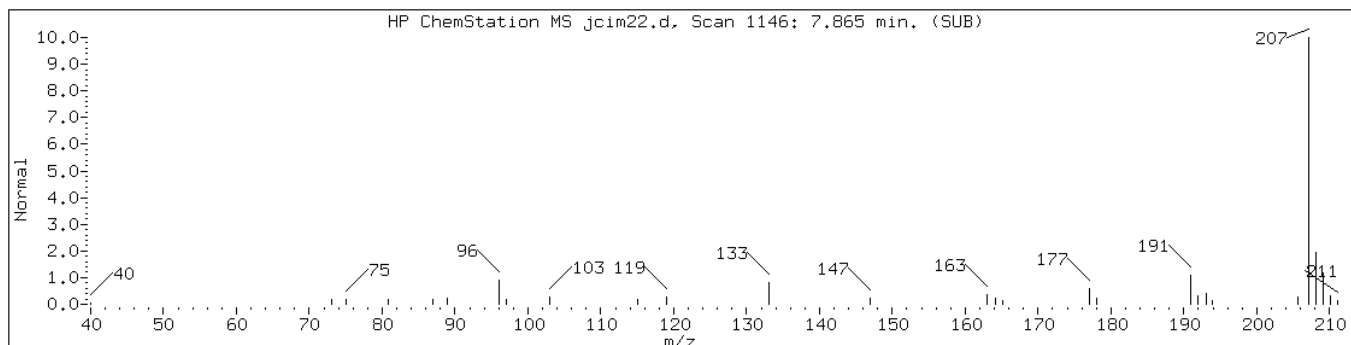
Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

Retention Time: 7.87

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	90	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C ₆ H ₁₈ O ₃ Si ₃	222
Benzo[h]quinoline, 2,4-dimethyl-	605-67-4	NIST05.1	62243	59	C ₁₅ H ₁₃ N	207



Data File: jcim22.d

Lab Sample ID: 200-3445-6

Date: 29-JAN-2011 00:10

Client ID: MW-6

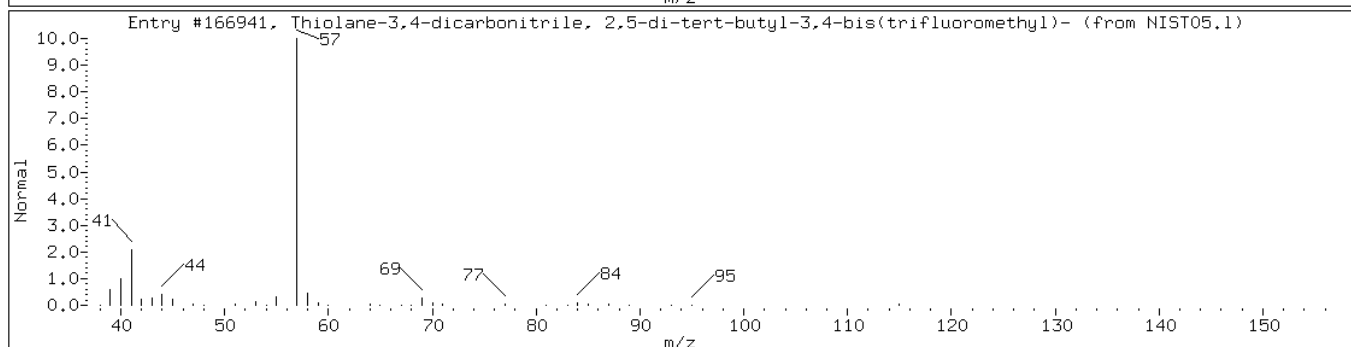
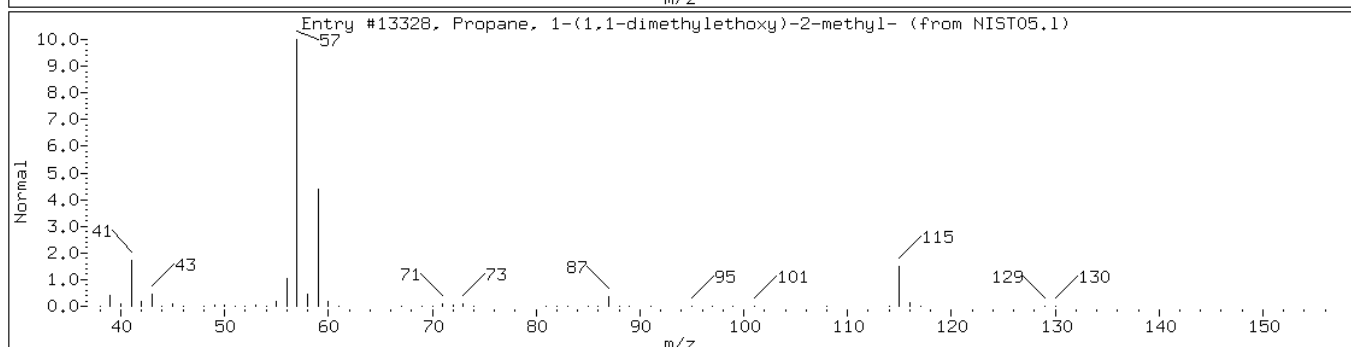
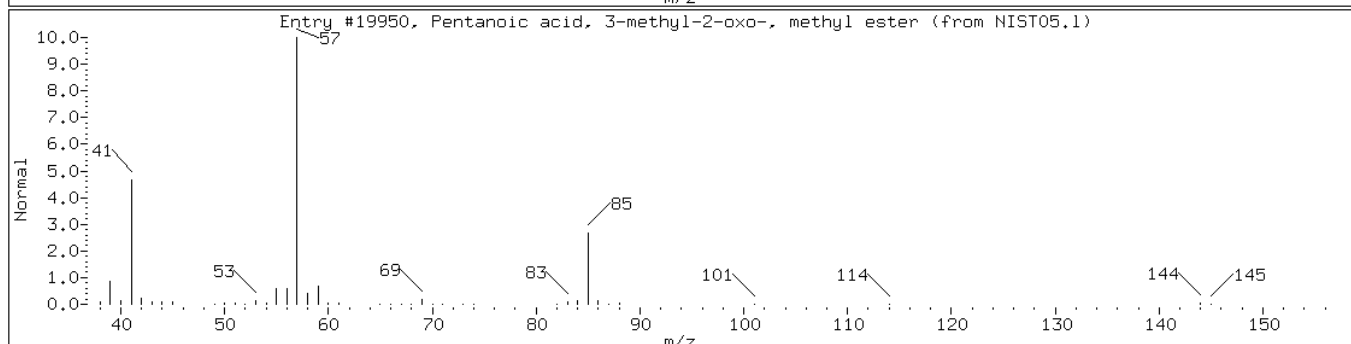
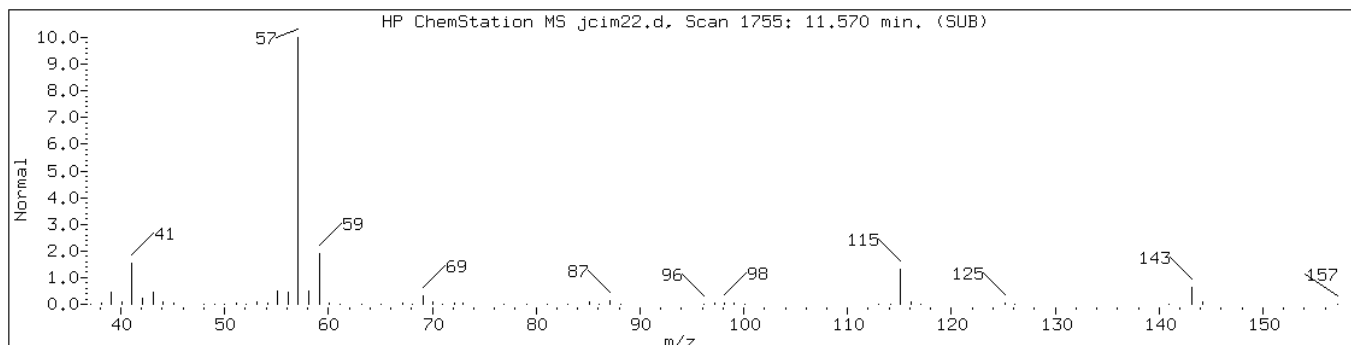
Instrument: J.i

Sample Info: 200-3445-D-6

Operator: JH2

Retention Time: 11.57

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentanoic acid, 3-methyl-2-oxo-, m	3682-42-6	NIST05.1	19950	38	C7H12O3	144
Propane, 1-(1,1-dimethylethoxy)-2-	33021-02-2	NIST05.1	13328	25	C8H18O	130
Thiolane-3,4-dicarbonitrile, 2,5-d	1000260-74-6	NIST05.1	166941	17	C16H20F6N2S	386



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: FB 01202011 Lab Sample ID: 200-3445-7
 Matrix: Water Lab File ID: jcif13.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 16:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 13:14
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	2.9	J	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.044	J B	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.50	U	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: FB 01202011 Lab Sample ID: 200-3445-7
 Matrix: Water Lab File ID: jcif13.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 16:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 13:14
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	105		65-131
19199-91-8	Chloroethane-d5	107		71-131
22280-73-5	1,1-Dichloroethene-d2	81		55-104
24313-50-6	2-Butanone-d5	94		49-155
865-49-6	Chloroform-d	99		78-121
17060-07-0	1,2-Dichloroethane-d4	101		78-129
1076-43-3	Benzene-d6	106		77-124
93952-08-0	1,2-Dichloropropane-d6	96		79-124
2037-26-5	Toluene-d8	107		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	100		73-121
4840-82-8	2-Hexanone-d5	101		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	94		73-125
2199-69-1	1,2-Dichlorobenzene-d4	106		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: FB 01202011 Lab Sample ID: 200-3445-7
Matrix: Water Lab File ID: jcif13.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 16:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 13:14
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L
Number TICs Found: 1 TIC Result Total: 3.55

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.92	3.0	B X J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: FB 01202011 Lab Sample ID: 200-3445-7
Matrix: Water Lab File ID: jcif13.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 16:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 13:14
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		14	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-7
Client Smp ID: FB 01202011
Inj Date : 24-JAN-2011 13:14
Operator : JH2
Smp Info : 200-3445-B-7
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmtr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ng)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	97834	130.715	5.2
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.928	1.921	(0.345)	83010	134.114	5.4
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.530	(0.453)	138345	101.803	4.1
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.585	2.585	(0.462)	2883	71.4928	2.9(a)
13 Carbon disulfide	76							
14 Methyl acetate	43							
15 Methylene chloride	84							

						CONCENTRATIONS	
		QUANT	SIG			ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.199	3.193	(0.572)	806	1.09377	0.044(aQ)
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	62657	1172.68	47
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	Compound Not Detected.					
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.537	4.537	(0.812)	139794	123.882	5.0(Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	50219	126.742	5.1
\$ 29 Benzene-d6	84	5.121	5.115	(0.573)	315205	131.958	5.3
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	272584	125.000	
33 Trichloroethene	95	Compound Not Detected.					
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.028	(0.675)	72166	119.417	4.8
35 Methylcyclohexane	55	Compound Not Detected.					
36 1,2-Dichloropropane	63	Compound Not Detected.					
37 Bromodichloromethane	83	Compound Not Detected.					
38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
39 4-Methyl-2-pentanone	43	Compound Not Detected.					
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	299325	133.648	5.3
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	53158	124.832	5.0
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	163	Compound Not Detected.					
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	50612	1263.18	51
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	222639	125.000	
51 Chlorobenzene	112	Compound Not Detected.					
52 Ethylbenzene	91	Compound Not Detected.					
53 m,p-Xylene	106	Compound Not Detected.					
54 Styrene	104	Compound Not Detected.					
55 o-Xylene	106	Compound Not Detected.					
56 Bromoform	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	28052	117.544	4.7
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.765	(1.000)	104275	125.000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.209	(1.037)	81734	132.004	5.3
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-7
Client Smp ID: FB 01202011
Inj Date : 24-JAN-2011 13:14
Operator : JH2
Smp Info : 200-3445-B-7
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

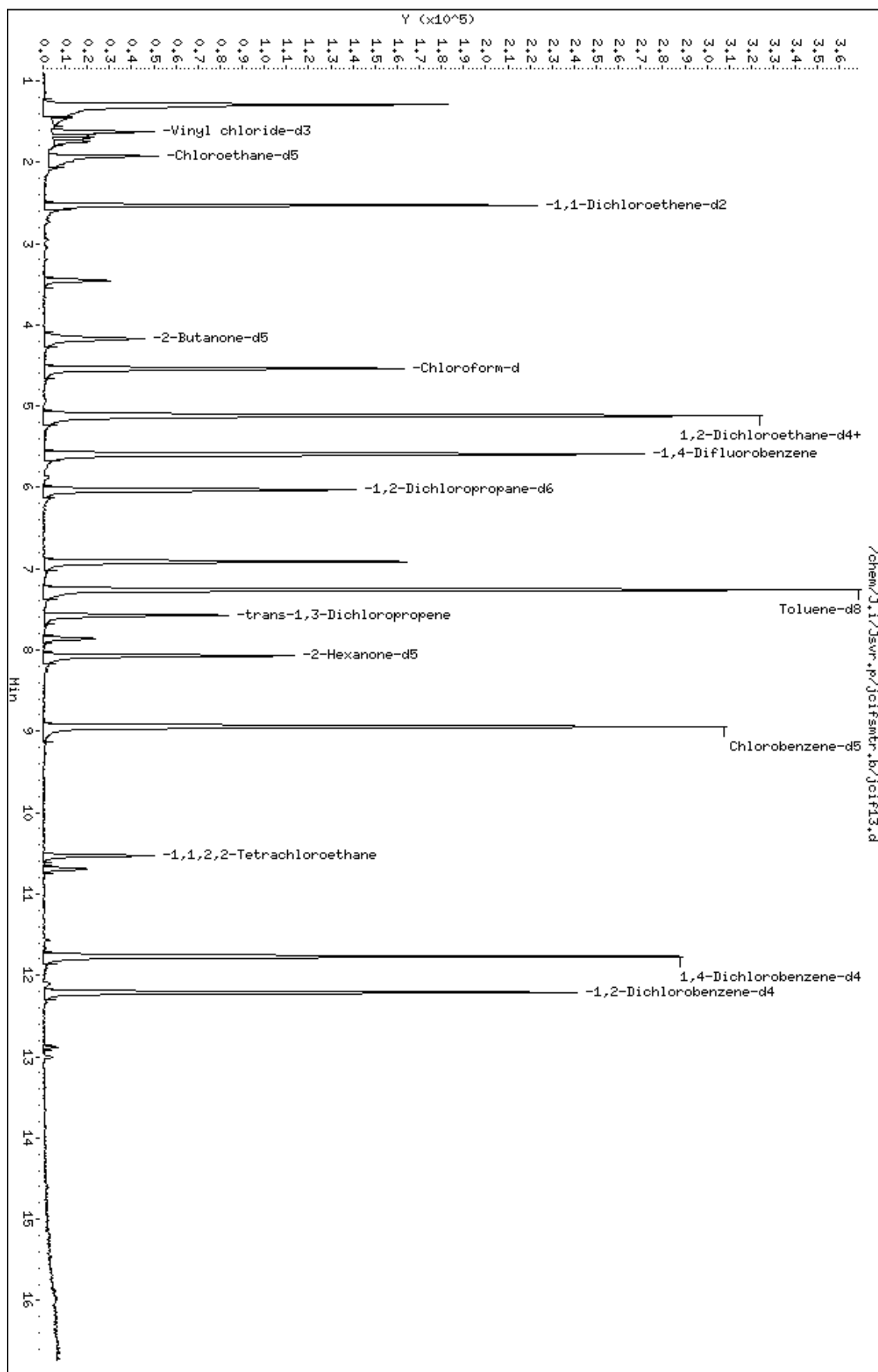
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	595845	125.000

CONCENTRATIONS					QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane							
3.454	66088	13.8644029	0.55	0		0	32
Unknown							
6.916	357700	75.0404651	3.0	0		0	32

Data File: /chem/J.i/Jswr.p/joifsmtf.b/joif13.d
 Date : 24-JAN-2011 13:14
 Client ID: FB 01202011
 Sample Info: 200-3445-B-7
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20

Page 1



Data File: jcif13.d

Lab Sample ID: 200-3445-7

Date: 24-JAN-2011 13:14

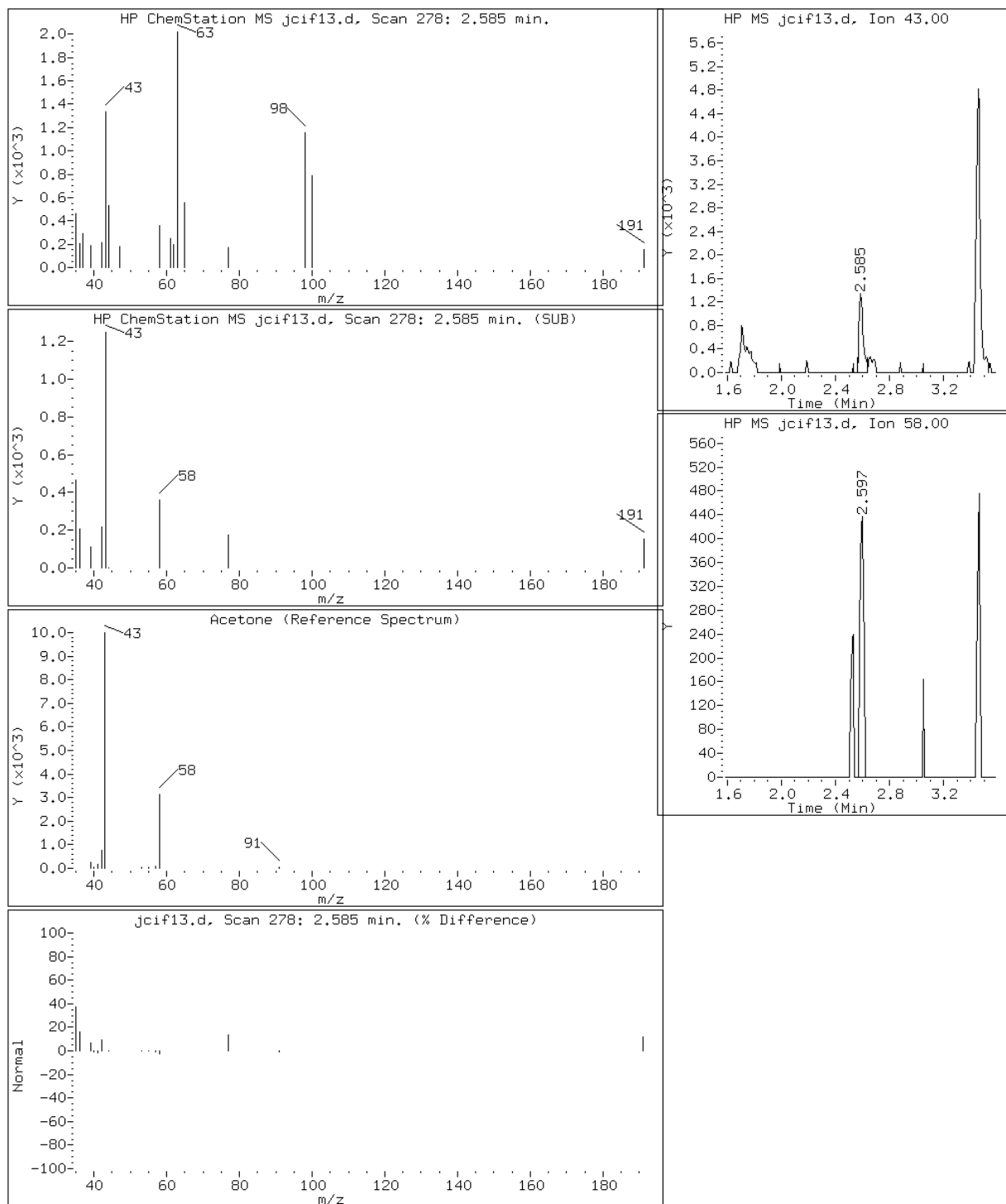
Client ID: FB 01202011

Instrument: J.i

Sample Info: 200-3445-B-7

Operator: JH2

12 Acetone



Data File: jcif13.d

Lab Sample ID: 200-3445-7

Date: 24-JAN-2011 13:14

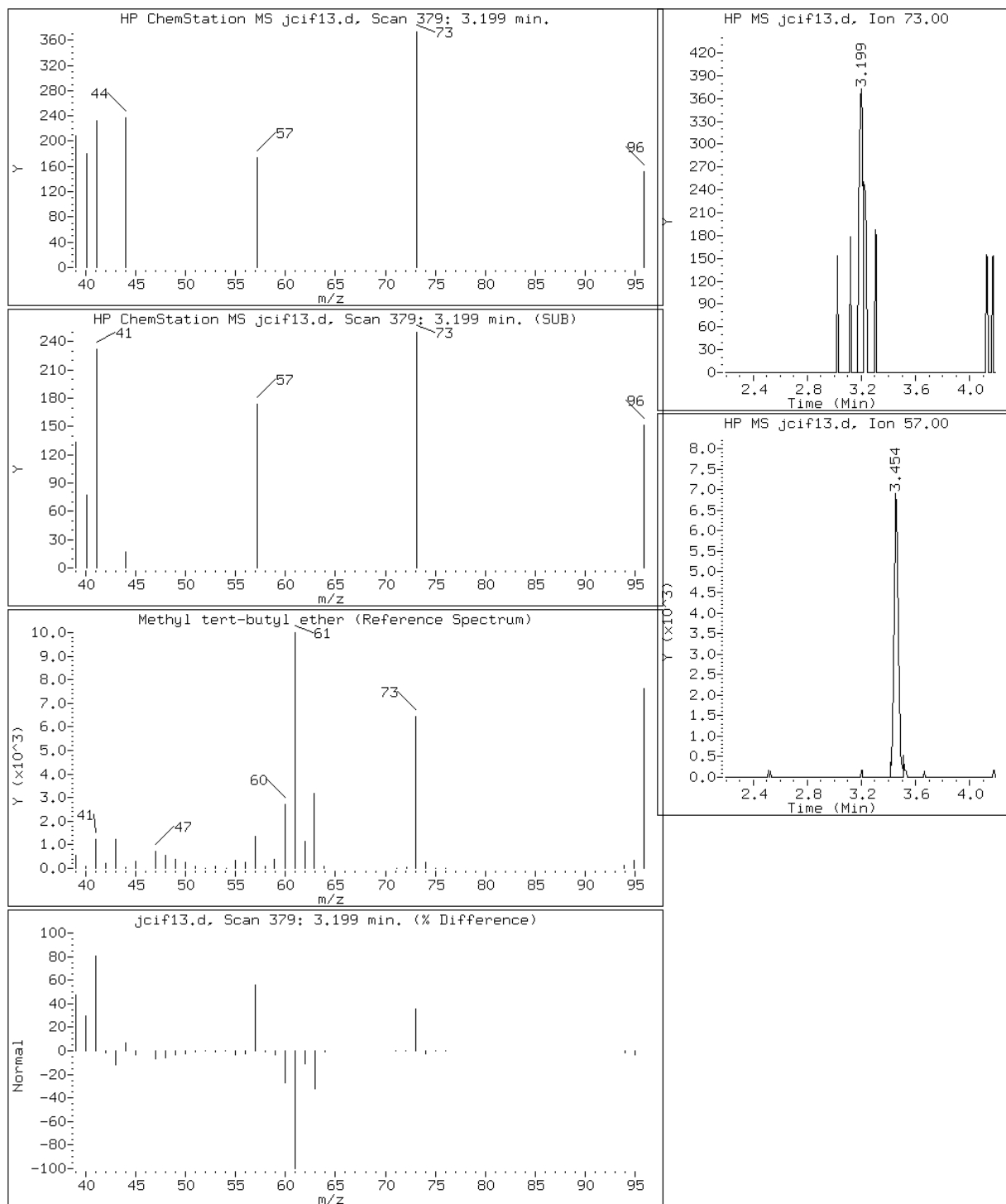
Client ID: FB 01202011

Instrument: J.i

Sample Info: 200-3445-B-7

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcif13.d

Lab Sample ID: 200-3445-7

Date: 24-JAN-2011 13:14

Client ID: FB 01202011

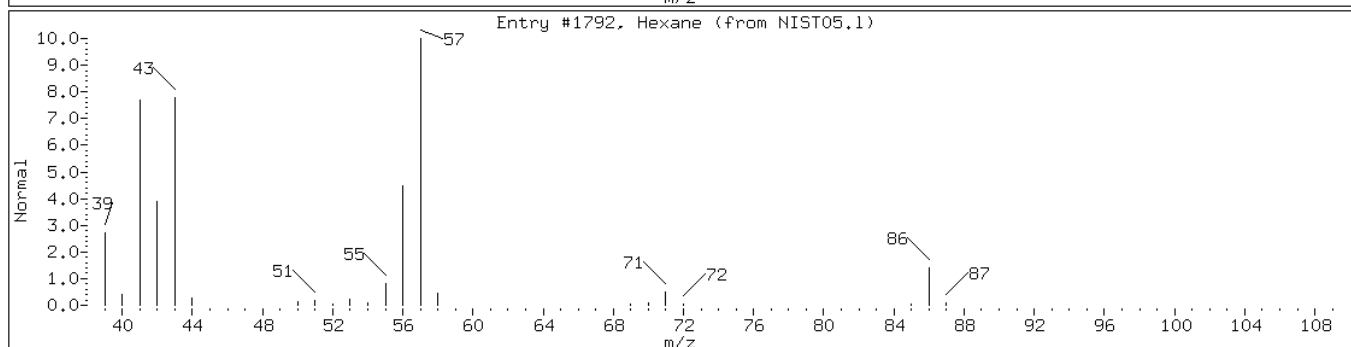
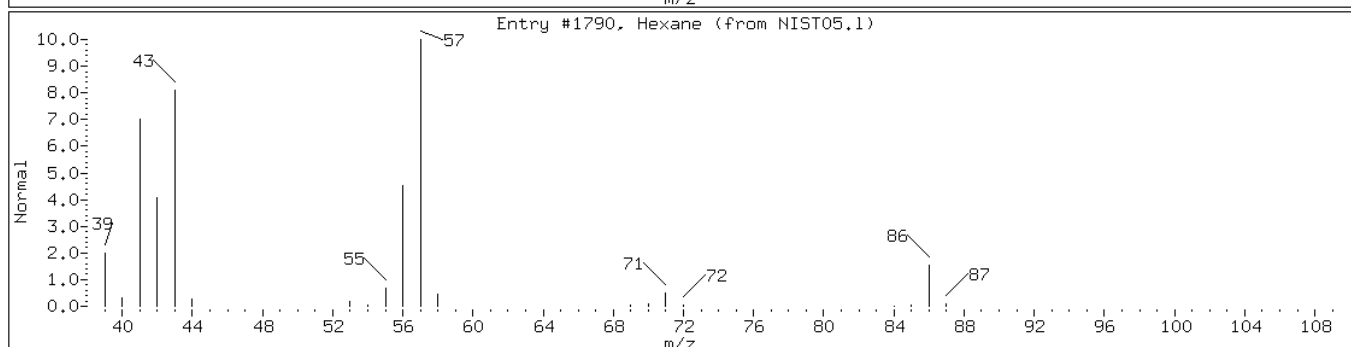
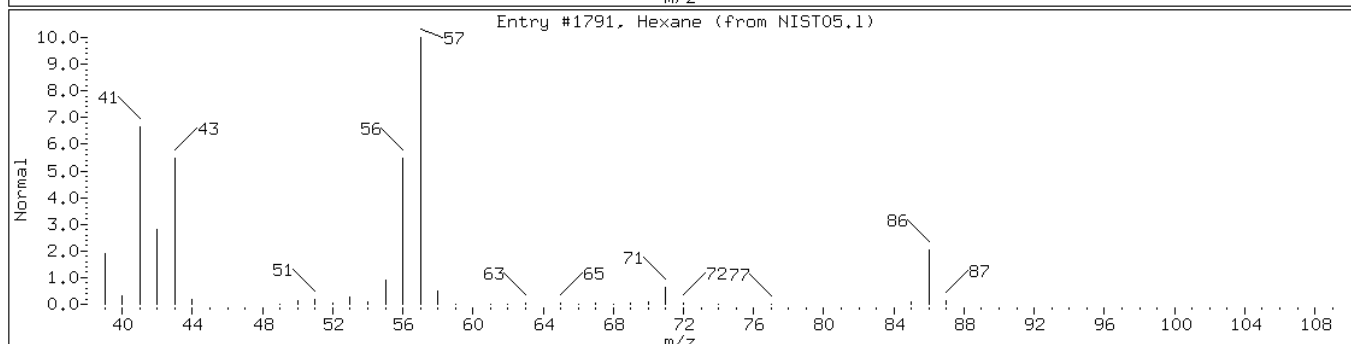
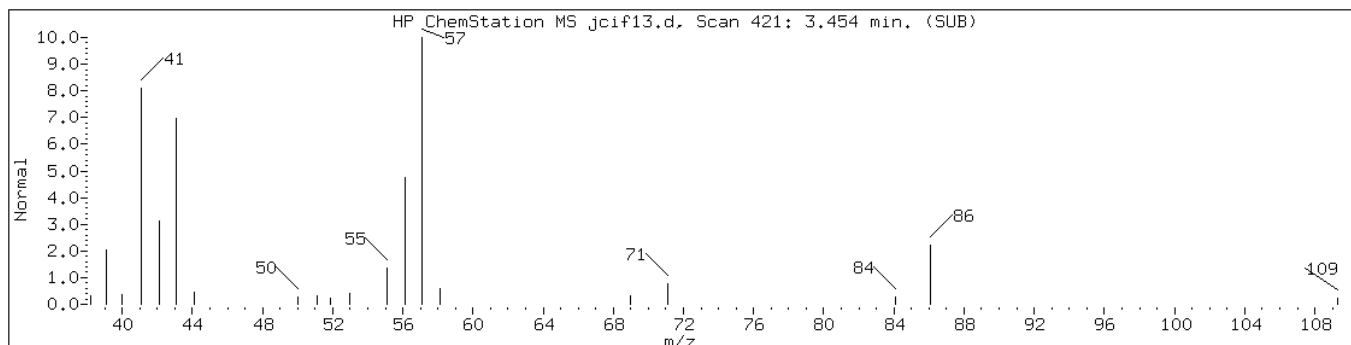
Instrument: J.i

Sample Info: 200-3445-B-7

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	91	C6H14	86
Hexane	110-54-3	NIST05.1	1790	64	C6H14	86
Hexane	110-54-3	NIST05.1	1792	59	C6H14	86



Data File: jcif13.d

Lab Sample ID: 200-3445-7

Date: 24-JAN-2011 13:14

Client ID: FB 01202011

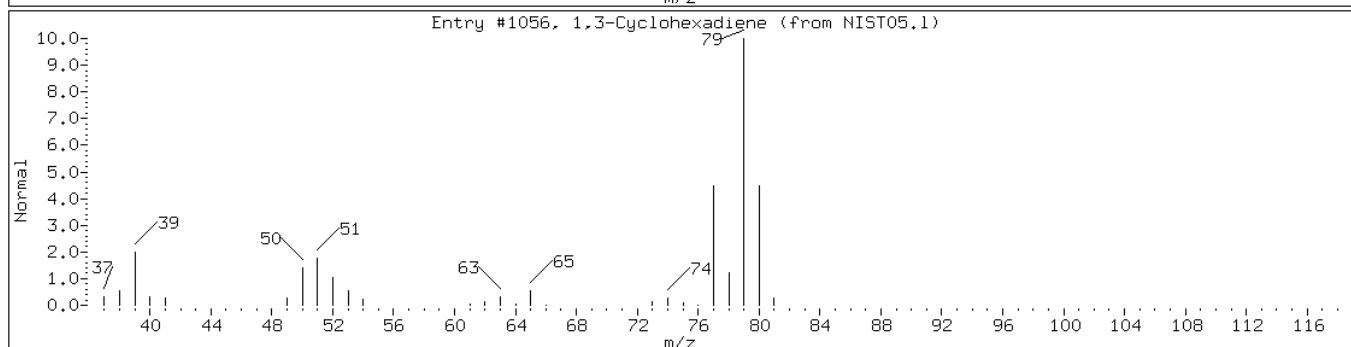
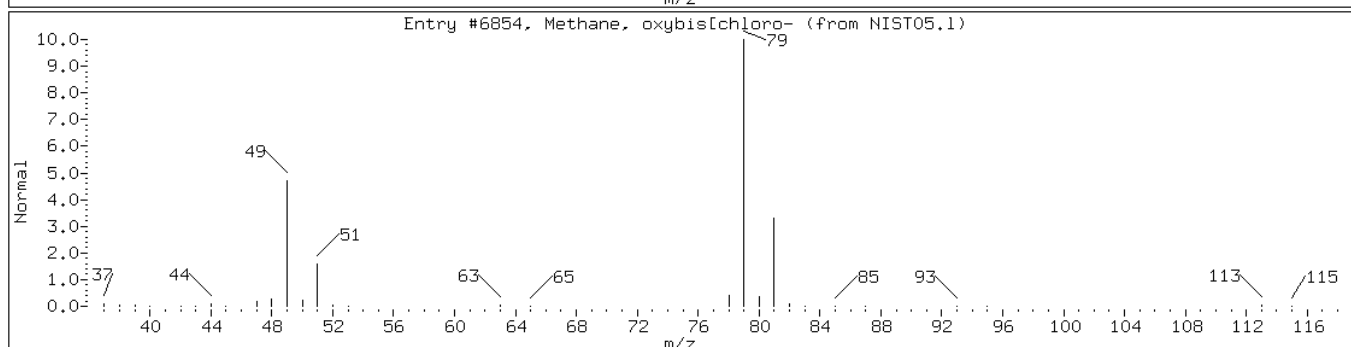
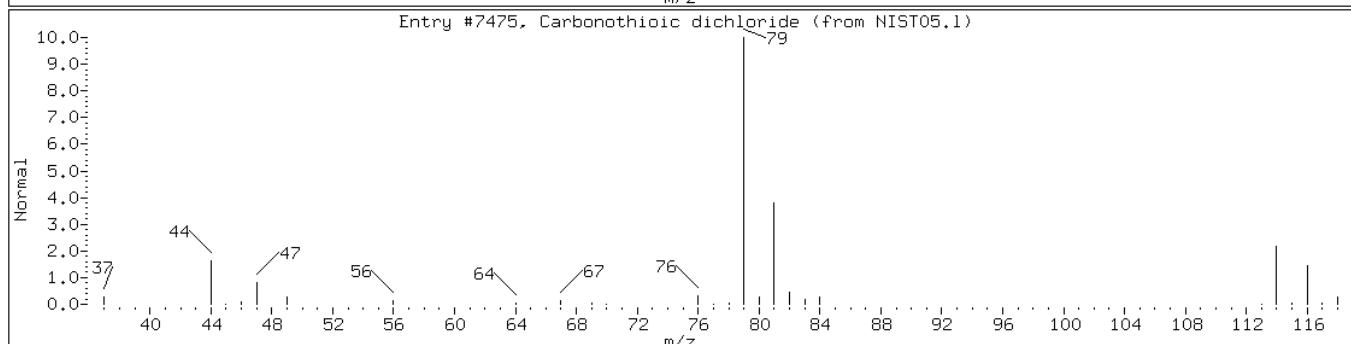
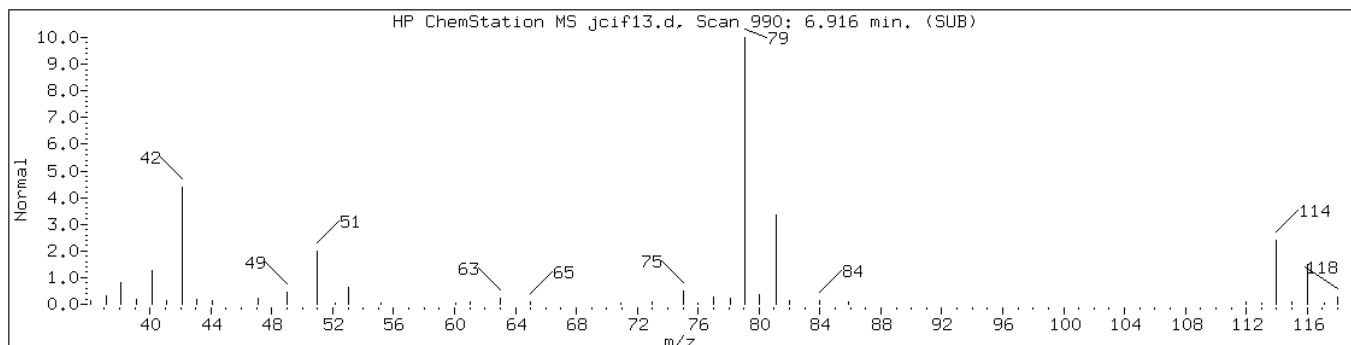
Instrument: J.i

Sample Info: 200-3445-B-7

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	38	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1056	25	C6H8	80



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: TRIP BLANK Lab Sample ID: 200-3445-8
 Matrix: Water Lab File ID: jcif14.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 00:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 13:39
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	1.3	J	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.50	U	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: TRIP BLANK Lab Sample ID: 200-3445-8
 Matrix: Water Lab File ID: jcif14.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 00:00
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 13:39
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	109		65-131
19199-91-8	Chloroethane-d5	106		71-131
22280-73-5	1,1-Dichloroethene-d2	84		55-104
24313-50-6	2-Butanone-d5	95		49-155
865-49-6	Chloroform-d	101		78-121
17060-07-0	1,2-Dichloroethane-d4	97		78-129
1076-43-3	Benzene-d6	107		77-124
93952-08-0	1,2-Dichloropropane-d6	98		79-124
2037-26-5	Toluene-d8	110		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	103		73-121
4840-82-8	2-Hexanone-d5	96		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	97		73-125
2199-69-1	1,2-Dichlorobenzene-d4	107		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: TRIP BLANK Lab Sample ID: 200-3445-8
Matrix: Water Lab File ID: jcif14.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 00:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 13:39
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L
Number TICs Found: 3 TIC Result Total: 4.61

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.92	2.9	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.60	B J N
	Unknown siloxane derivative	10.69	0.58	B J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: TRIP BLANK Lab Sample ID: 200-3445-8
Matrix: Water Lab File ID: jcif14.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/20/2011 00:00
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 13:39
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		13	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-8
Client Smp ID: TRIP BLANK
Inj Date : 24-JAN-2011 13:39
Operator : JH2
Smp Info : 200-3445-B-8
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmtr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
							(ng)	(ug/L)
1 Dichlorodifluoromethane	85							
2 Chloromethane	50							
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	101767	136.095	5.4
4 Vinyl chloride	62							
5 Bromomethane	94							
\$ 6 Chloroethane-d5	69		1.921	1.921	(0.344)	82159	132.861	5.3
7 Chloroethane	64							
8 Trichlorofluoromethane	101							
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.530	(0.453)	143391	105.613	4.2
10 1,1-Dichloroethene	96							
11 1,1,2-Trichloro-1,2,2-trifluo	101							
12 Acetone	43		2.591	2.585	(0.463)	1358	33.7067	1.3(a)
13 Carbon disulfide	76							
14 Methyl acetate	43							
15 Methylene chloride	84							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.		
17 Methyl tert-butyl ether	73				Compound Not Detected.		
18 1,1-Dichloroethane	63				Compound Not Detected.		
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	63559	1190.65	48
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	4.537	4.537	(0.812)	141898	125.862	5.0(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	48064	121.415	4.9
\$ 29 Benzene-d6	84	5.115	5.115	(0.572)	321514	134.285	5.4
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	272334	125.000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.028	6.028	(0.674)	74026	122.209	4.9
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83				Compound Not Detected.		
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	307611	137.027	5.5
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	54755	128.282	5.1
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)	47944	1193.80	48
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	223160	125.000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106				Compound Not Detected.		
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	29023	121.328	4.9
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.765	(1.000)	100607	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.209	(1.038)	80261	134.351	5.4
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-8
Client Smp ID: TRIP BLANK
Inj Date : 24-JAN-2011 13:39
Operator : JH2
Smp Info : 200-3445-B-8
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6
Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	606146	125.000
* 50 Chlorobenzene-d5	8.942	641881	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	588841	125.000

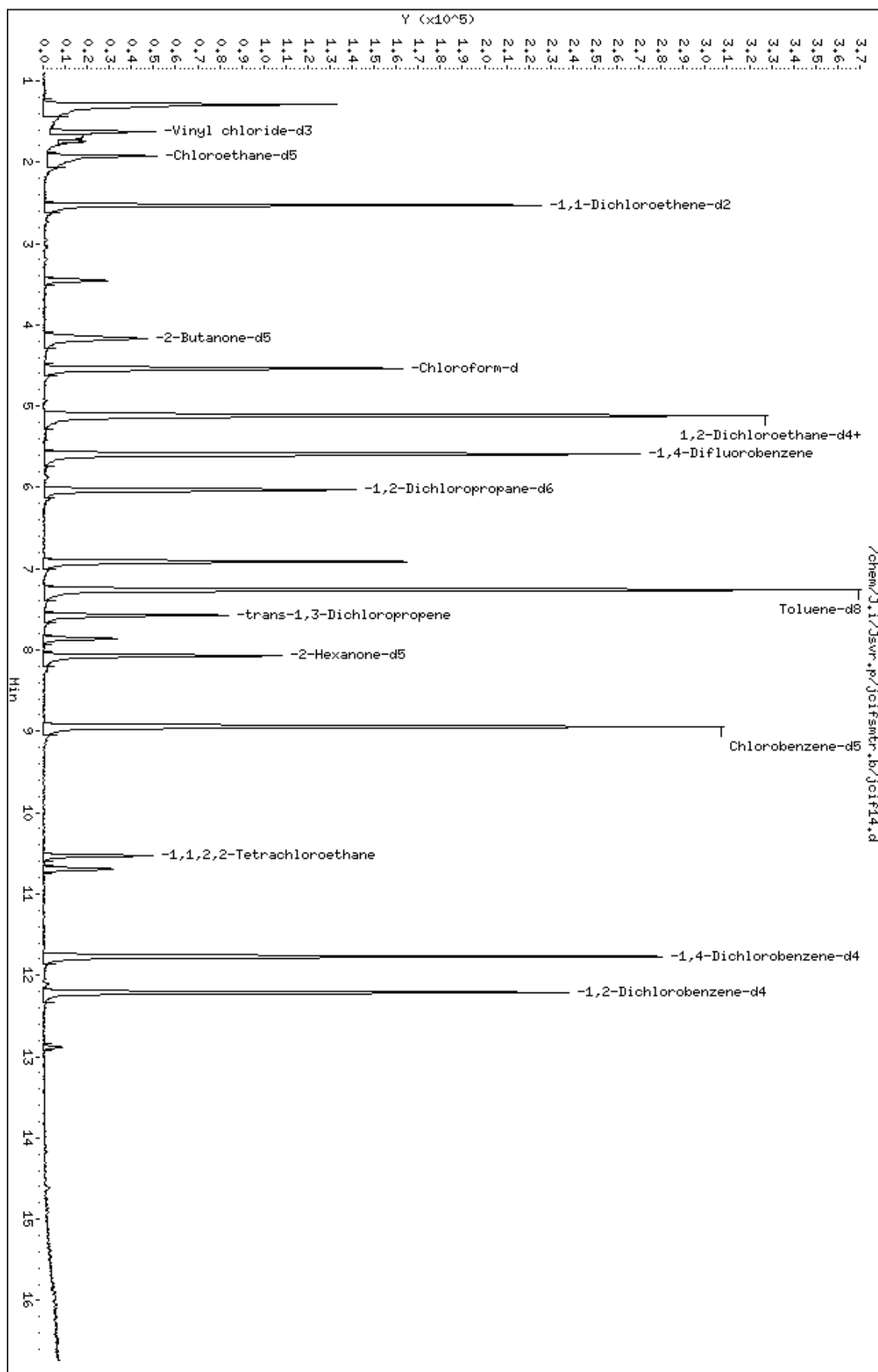
RT	AREA	CONCENTRATIONS		QUAL	LIBRARY	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)			LIB ENTRY		
=====	=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:			
3.454	64510	13.3032488	0.53	0		0		32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.916	357459	73.7155482	2.9	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.859	77289	15.0513568	0.60	91	NIST05.1	73121	50
Unknown siloxane derivative					CAS #:		
10.694	68753	14.5949454	0.58	0		0	61

Data File: /chem/J.i/Jswr.p/joifsmtf.b/joif14.d
 Date : 24-JAN-2011 13:39
 Client ID: TRIP BLANK
 Sample Info: 200-3445-B-8
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20

Page 1



Data File: jcif14.d

Lab Sample ID: 200-3445-8

Date: 24-JAN-2011 13:39

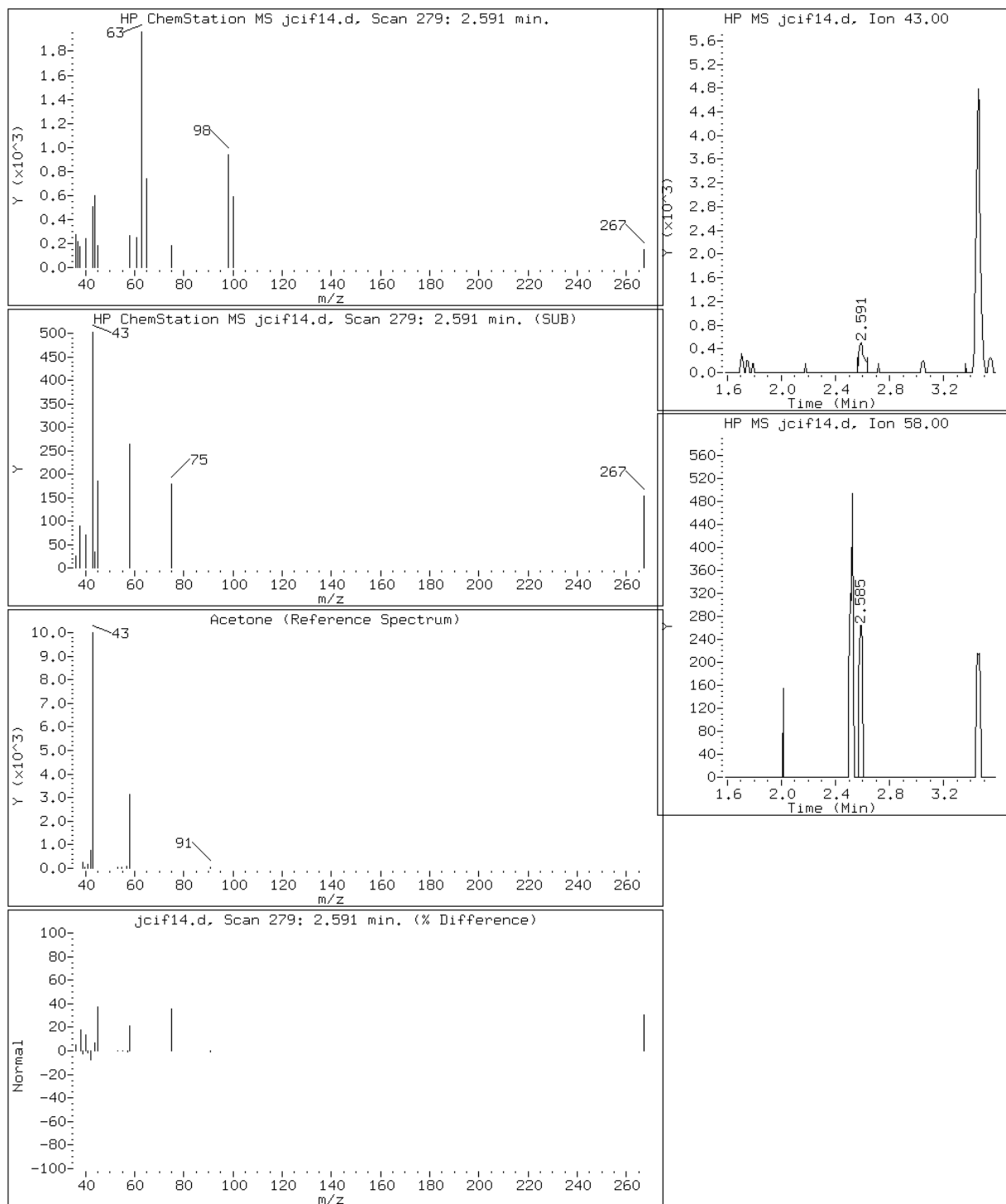
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Instrument: J.i

Sample Info: 200-3445-B-8

Operator: JH2

12 Acetone



Data File: jcif14.d

Lab Sample ID: 200-3445-8

Client ID: TRIP BLANK

Sample Info: 200-3445-B-8

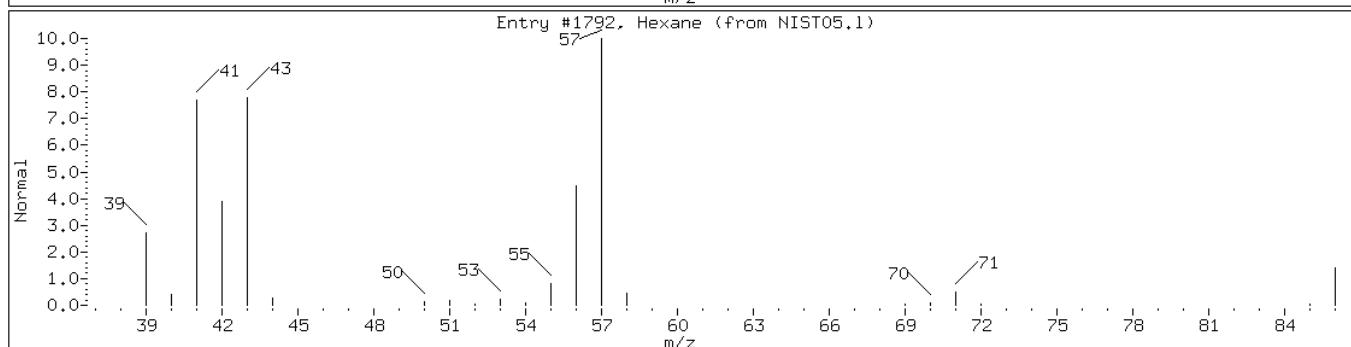
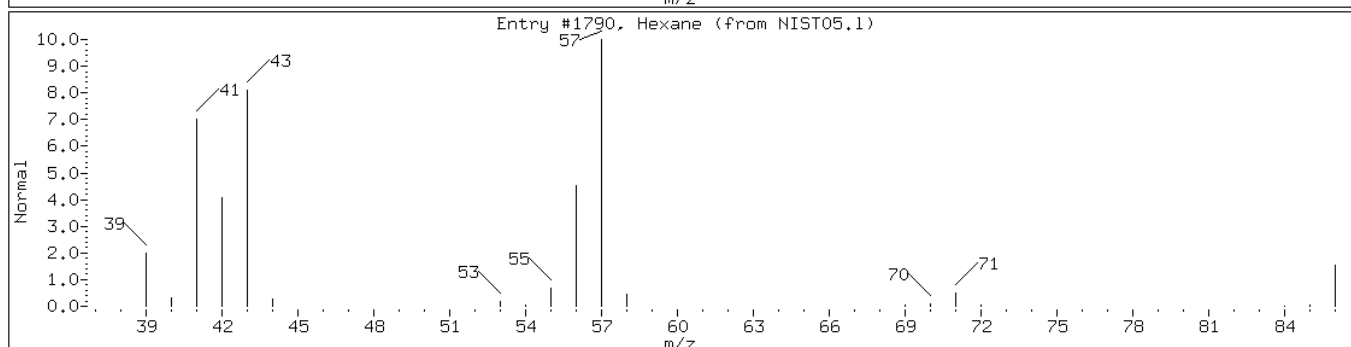
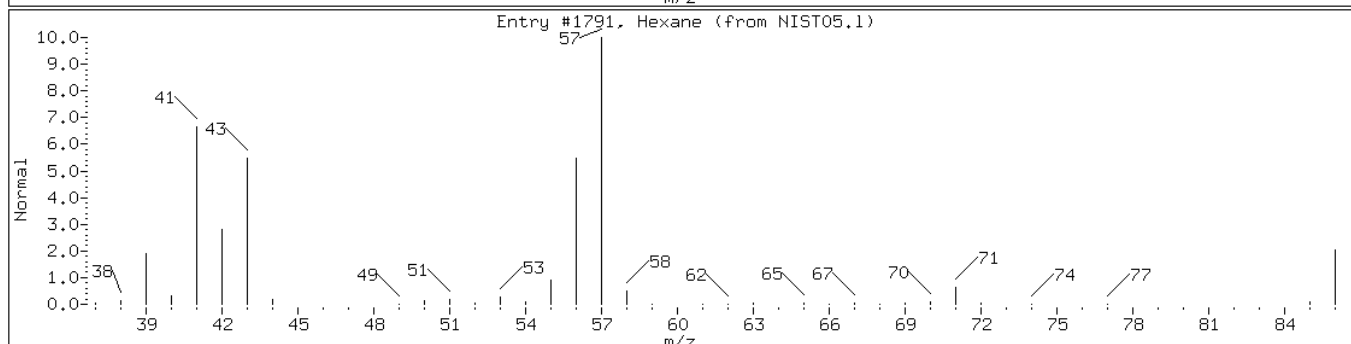
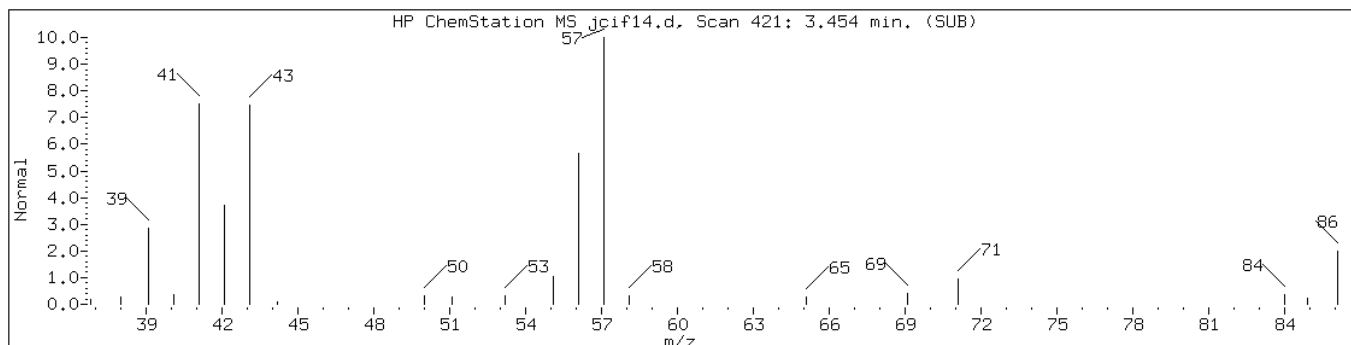
Date: 24-JAN-2011 13:39

Instrument: J.i

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	87	C6H14	86
Hexane	110-54-3	NIST05.1	1790	87	C6H14	86
Hexane	110-54-3	NIST05.1	1792	87	C6H14	86



Data File: jcif14.d

Lab Sample ID: 200-3445-8

Client ID: TRIP BLANK

Sample Info: 200-3445-B-8

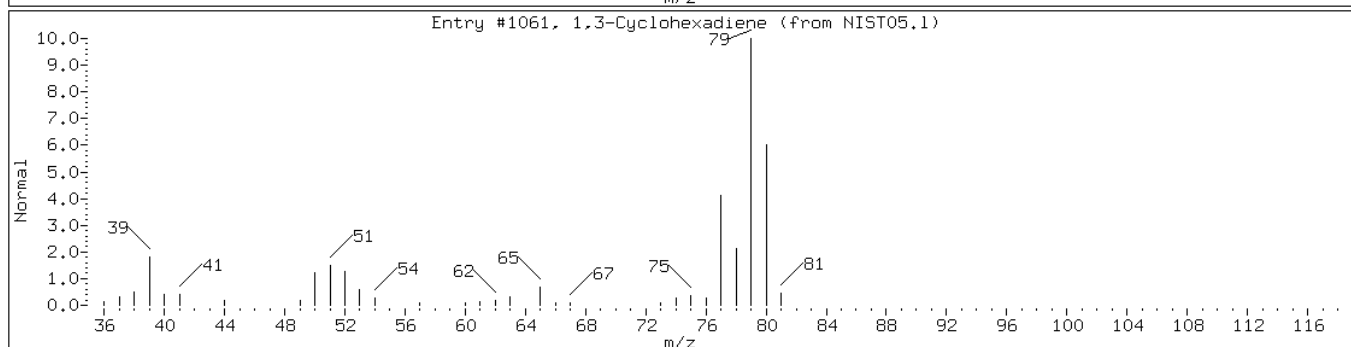
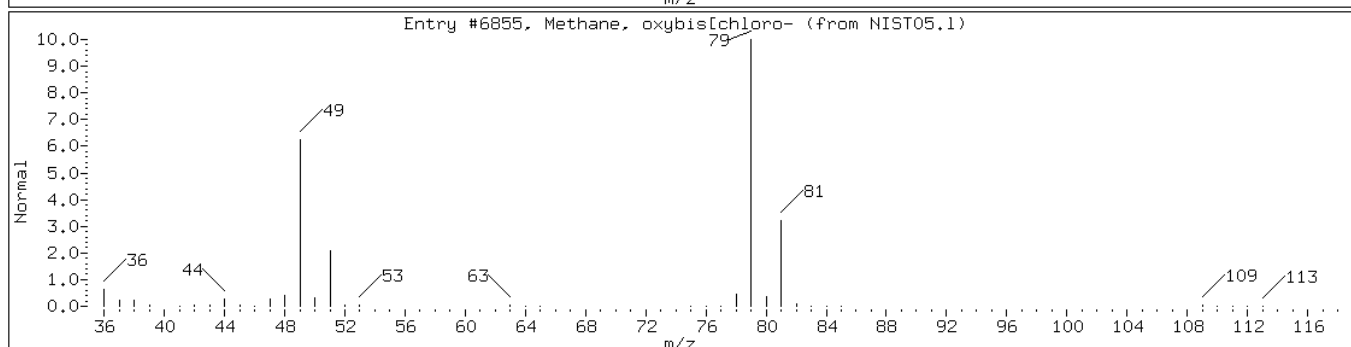
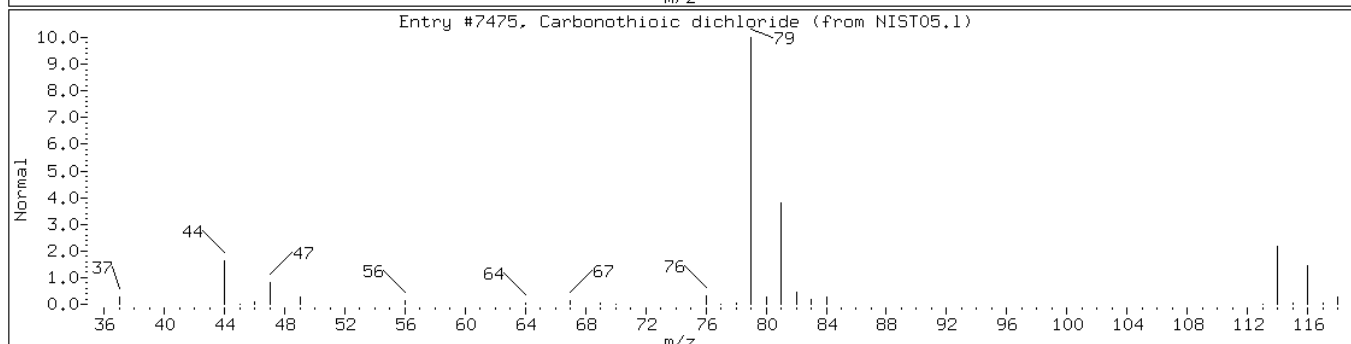
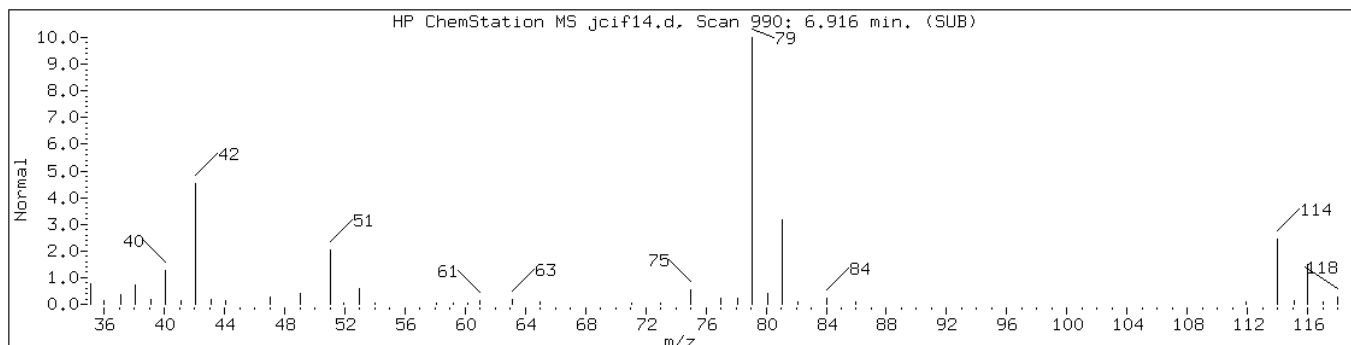
Date: 24-JAN-2011 13:39

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	58	<chem>CCl2S</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	38	<chem>C2H4Cl2O</chem>	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	37	<chem>C6H8</chem>	80



Data File: jcif14.d

Lab Sample ID: 200-3445-8

Client ID: TRIP BLANK

Sample Info: 200-3445-B-8

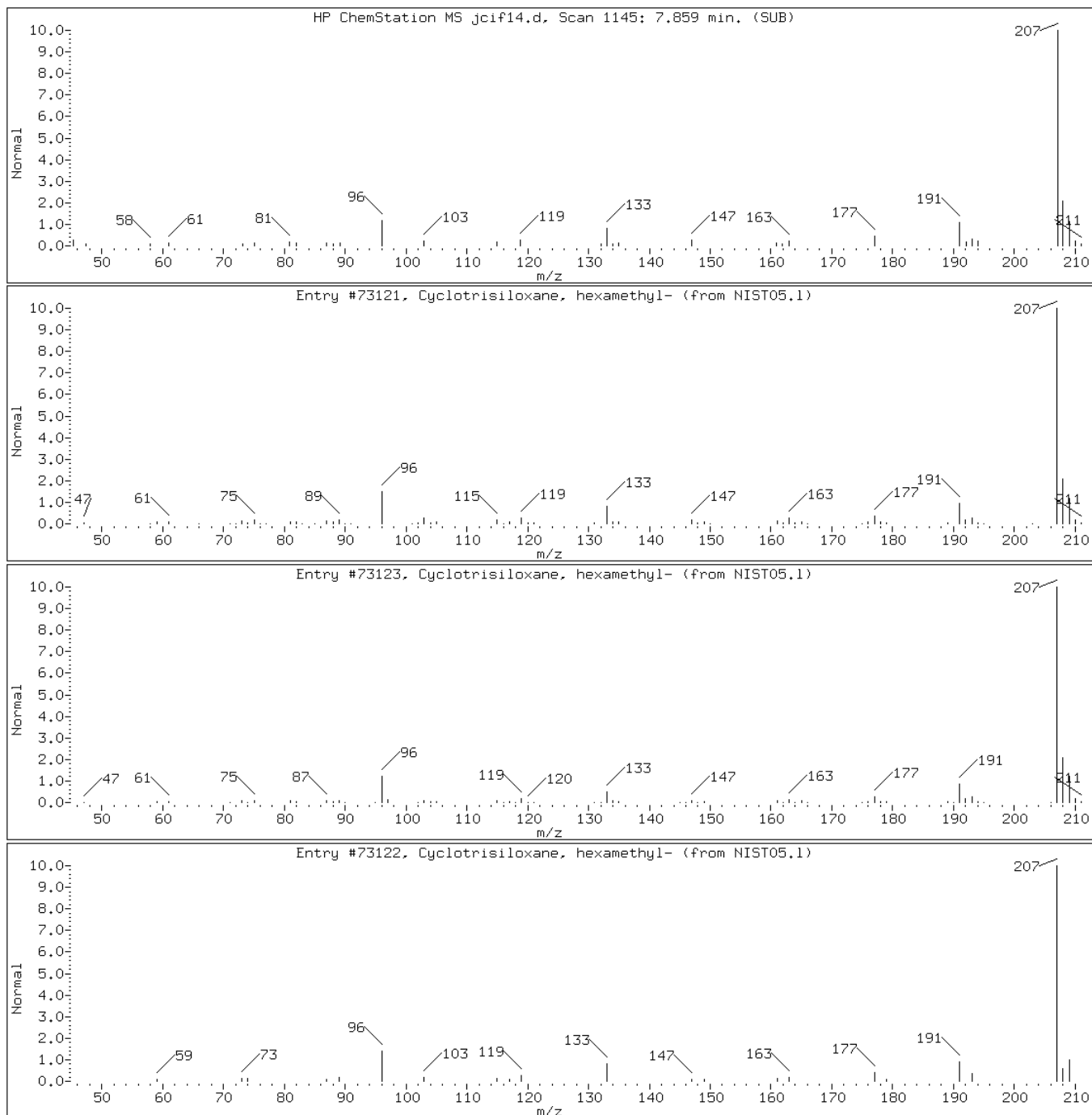
Date: 24-JAN-2011 13:39

Instrument: J.i

Operator: JH2

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C ₆ H ₁₈ O ₃ Si ₃	222



Data File: jcif14.d

Lab Sample ID: 200-3445-8

Client ID: TRIP BLANK

Sample Info: 200-3445-B-8

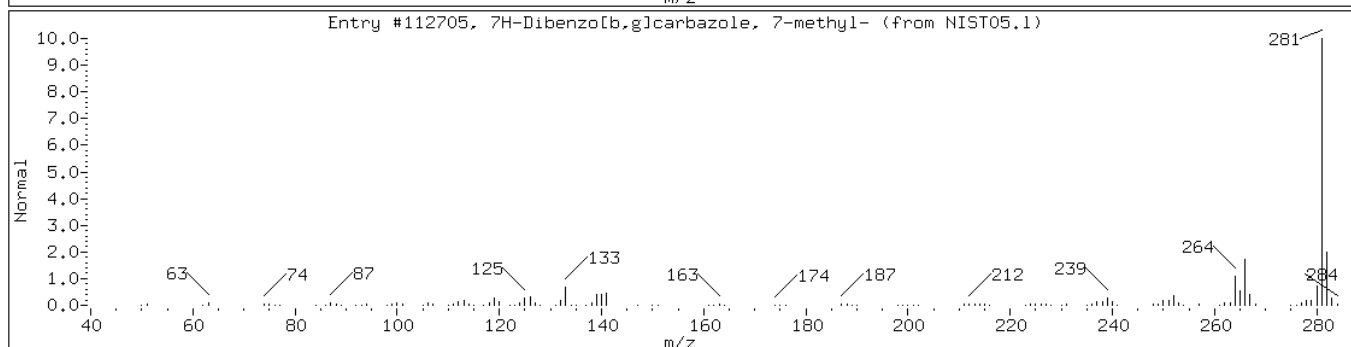
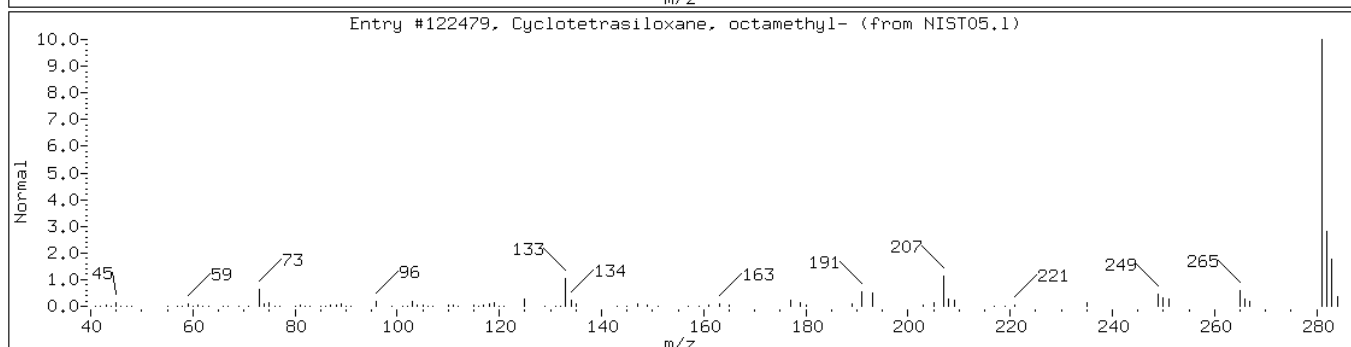
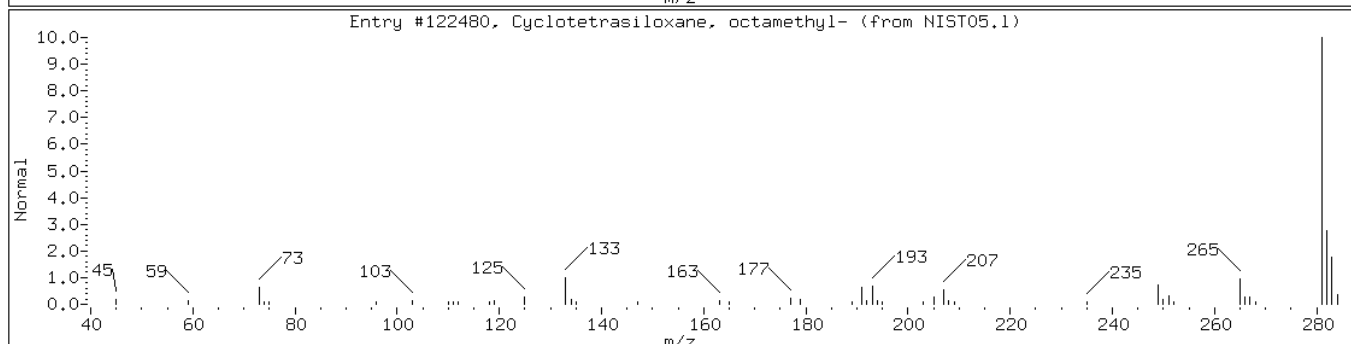
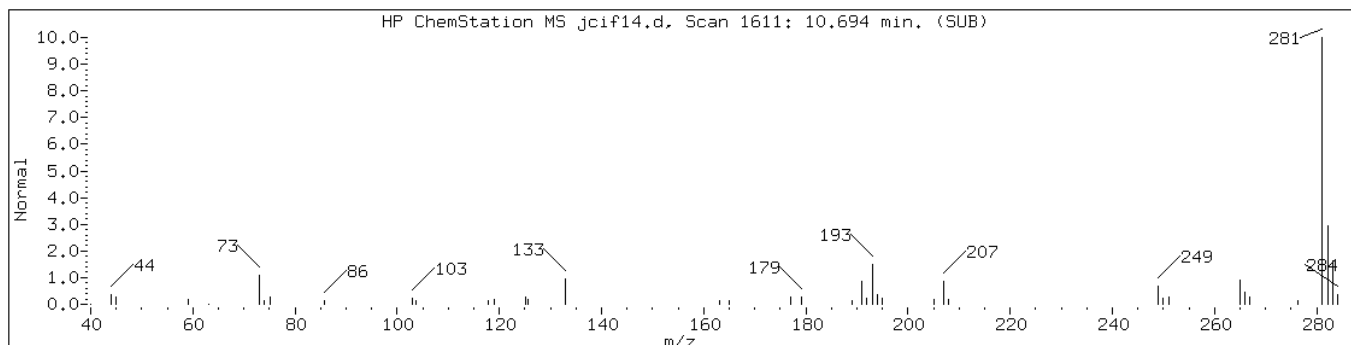
Date: 24-JAN-2011 13:39

Instrument: J.i

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	90	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	83	C ₈ H ₂₄ O ₄ Si ₄	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST05.1	112705	59	C ₂₁ H ₁₅ N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: VHBLK01 Lab Sample ID: 200-3445-9
 Matrix: Water Lab File ID: jcim24.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/22/2011 09:30
 Sample wt/vol: 25 (mL) Date Analyzed: 01/29/2011 01:00
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.93
75-15-0	Carbon disulfide	0.50	U	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.50	U	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: VHBLK01 Lab Sample ID: 200-3445-9
 Matrix: Water Lab File ID: jcim24.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/22/2011 09:30
 Sample wt/vol: 25 (mL) Date Analyzed: 01/29/2011 01:00
 Soil Aliquot Vol: Dilution Factor: 1
 Soil Extract Vol.: GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	112		65-131
19199-91-8	Chloroethane-d5	116		71-131
22280-73-5	1,1-Dichloroethene-d2	88		55-104
24313-50-6	2-Butanone-d5	90		49-155
865-49-6	Chloroform-d	110		78-121
17060-07-0	1,2-Dichloroethane-d4	103		78-129
1076-43-3	Benzene-d6	110		77-124
93952-08-0	1,2-Dichloropropane-d6	96		79-124
2037-26-5	Toluene-d8	111		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	103		73-121
4840-82-8	2-Hexanone-d5	97		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	98		73-125
2199-69-1	1,2-Dichlorobenzene-d4	113		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: VHBLK01 Lab Sample ID: 200-3445-9
Matrix: Water Lab File ID: jcim24.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/22/2011 09:30
Sample wt/vol: 25 (mL) Date Analyzed: 01/29/2011 01:00
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L
Number TICs Found: 3 TIC Result Total: 4.64

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.92	3.0	B X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.61	B J N
	Unknown siloxane derivative	10.69	0.52	B J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: VHBLK01 Lab Sample ID: 200-3445-9
Matrix: Water Lab File ID: jcim24.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: 01/22/2011 09:30
Sample wt/vol: 25 (mL) Date Analyzed: 01/29/2011 01:00
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		13	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-9
Client Smp ID: VHBLK01
Inj Date : 29-JAN-2011 01:00
Operator : JH2
Smp Info : 200-3445-D-9
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmt.r.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 43
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.623	1.623	(0.290)	95672	140.075	5.6
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.922	1.927	(0.343)	81909	145.016	5.8
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.530	2.536	(0.452)	136818	110.327	4.4
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76						
14 Methyl acetate	43						
15 Methylene chloride	84						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.		
17 Methyl tert-butyl ether	73				Compound Not Detected.		
18 1,1-Dichloroethane	63				Compound Not Detected.		
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	55001	1128.03	45
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	4.537	4.537	(0.811)	141208	137.126	5.5(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	46687	129.119	5.2
\$ 29 Benzene-d6	84	5.121	5.121	(0.573)	305696	137.584	5.5
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	248748	125.000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	67658	120.362	4.8
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83				Compound Not Detected.		
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	289111	138.777	5.6
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	50919	128.550	5.1
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)	45293	1215.28	49
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	207094	125.000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106				Compound Not Detected.		
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	27178	122.430	4.9
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	92574	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	77668	141.292	5.7
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-3445-9
Client Smp ID: VHBLK01
Inj Date : 29-JAN-2011 01:00
Operator : JH2
Smp Info : 200-3445-D-9
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2
Cal Date : 14-JAN-2011 13:20
Als bottle: 43
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: J.i
Quant Type: ISTD
Cal File: jci08.d
Compound Sublist: all.sub

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.596	560831	125.000
* 50 Chlorobenzene-d5	8.942	602337	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	545972	125.000

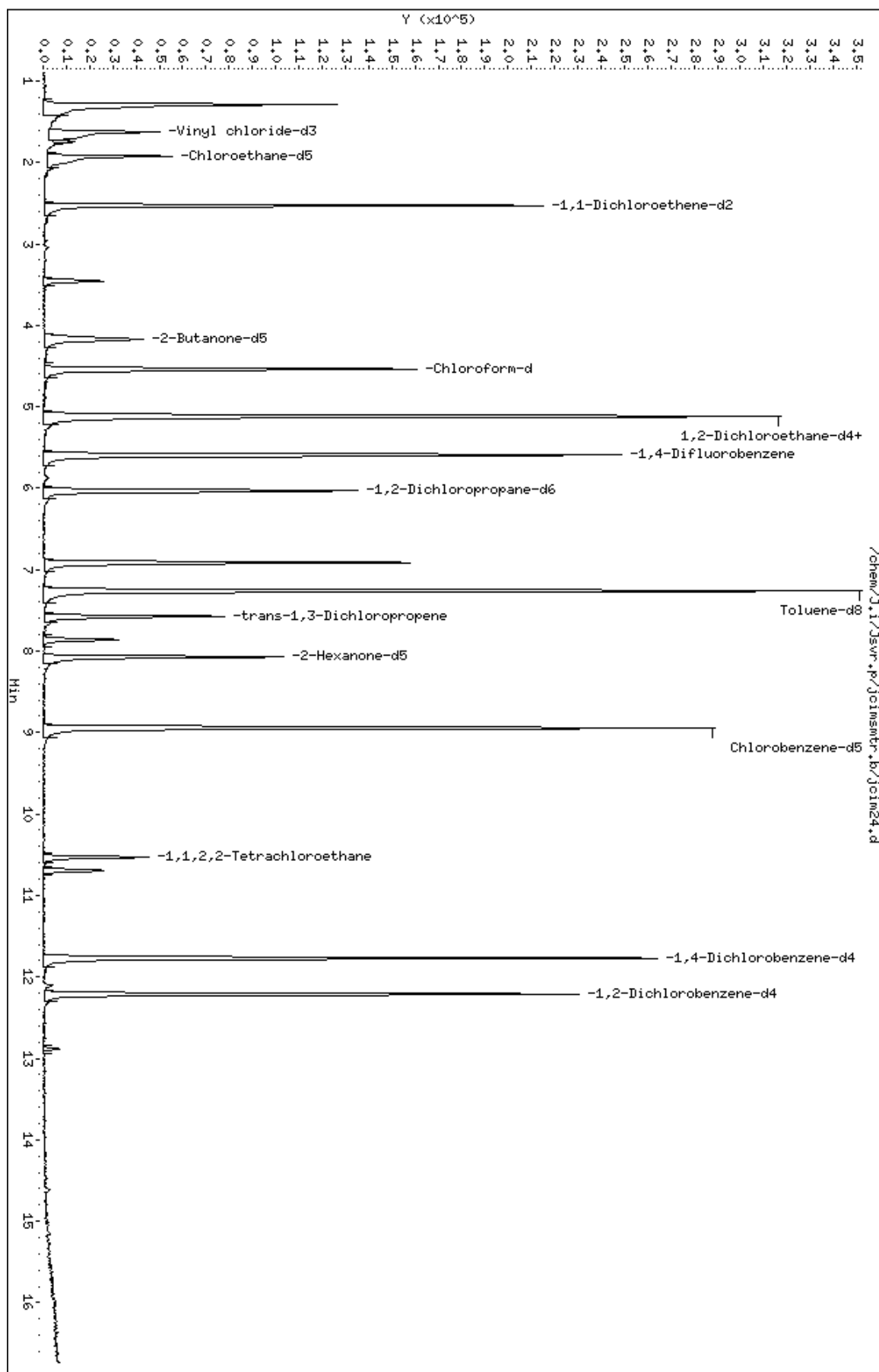
CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
3.455	57505	12.8168186	0.51	0		0	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.916	338829	75.5192232	3.0	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.859	74036	15.3642803	0.61	90	NIST05.1	73121	50
Unknown siloxane derivative					CAS #:		
10.694	56598	12.9580804	0.52	0		0	61

Data File: /chem/J.i/Jswr.p/joimsnr.b/joim24.d
 Date : 29-JAN-2011 01:00
 Client ID: VHBK01
 Sample Info: 200-3445-D-9
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20

Page 1



Data File: jcim24.d

Lab Sample ID: 200-3445-9

Date: 29-JAN-2011 01:00

Client ID: VHBLK01

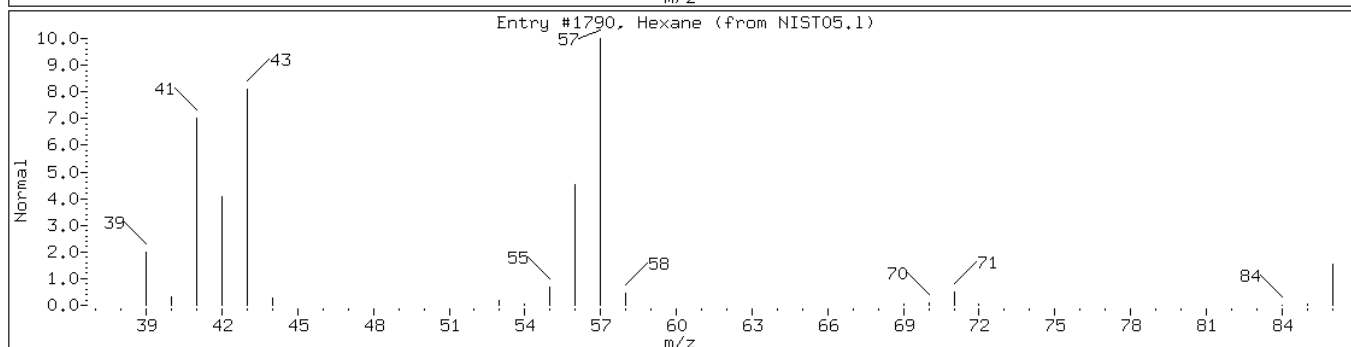
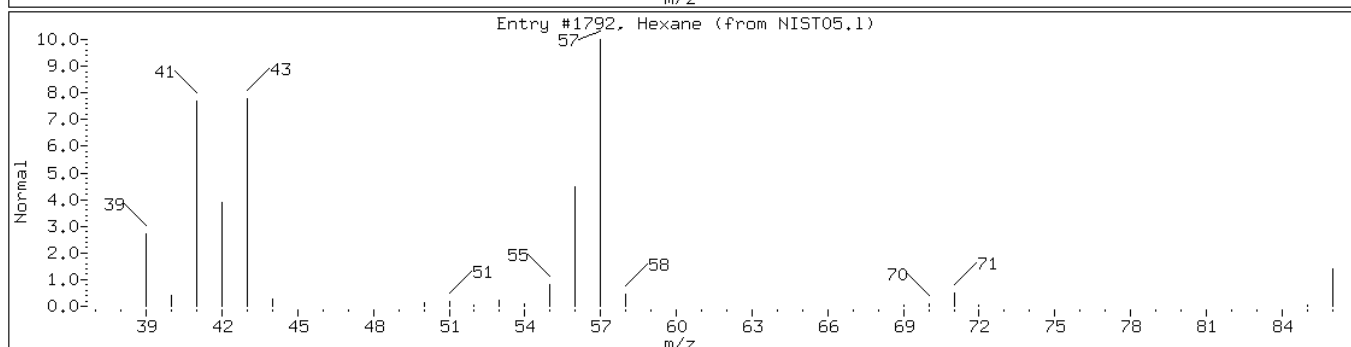
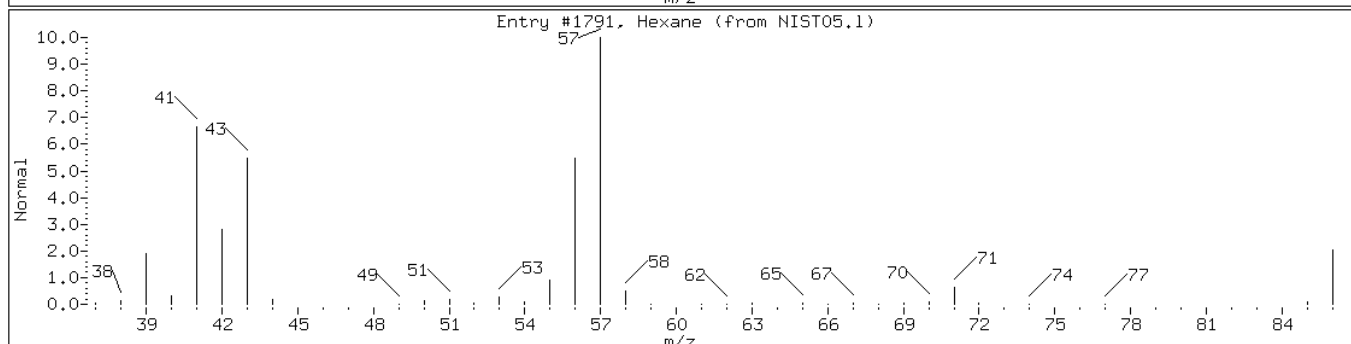
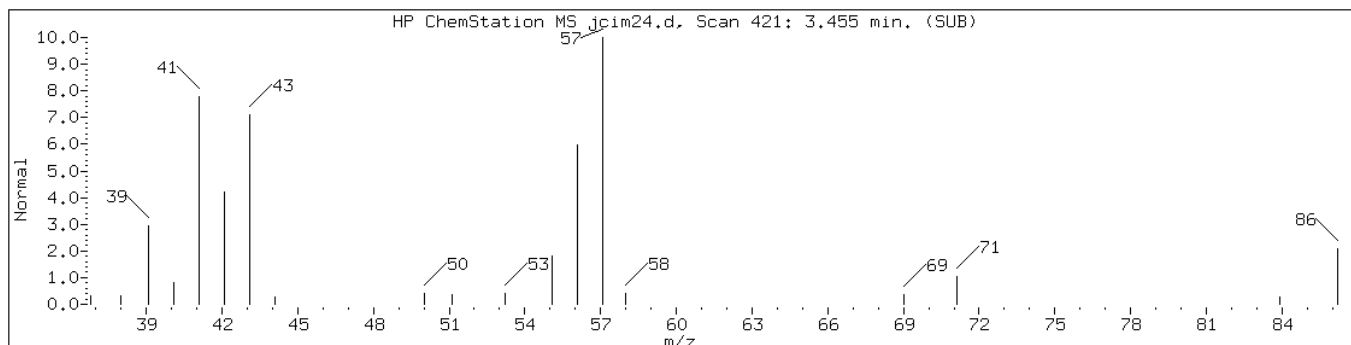
Instrument: J.i

Sample Info: 200-3445-D-9

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	87	C6H14	86
Hexane	110-54-3	NIST05.1	1792	72	C6H14	86
Hexane	110-54-3	NIST05.1	1790	50	C6H14	86



Data File: jcim24.d

Lab Sample ID: 200-3445-9

Client ID: VHBLK01

Sample Info: 200-3445-D-9

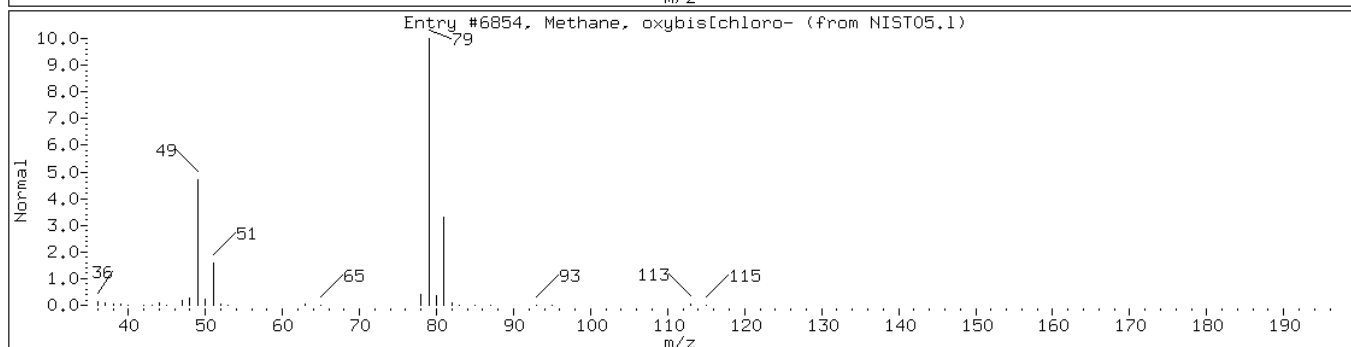
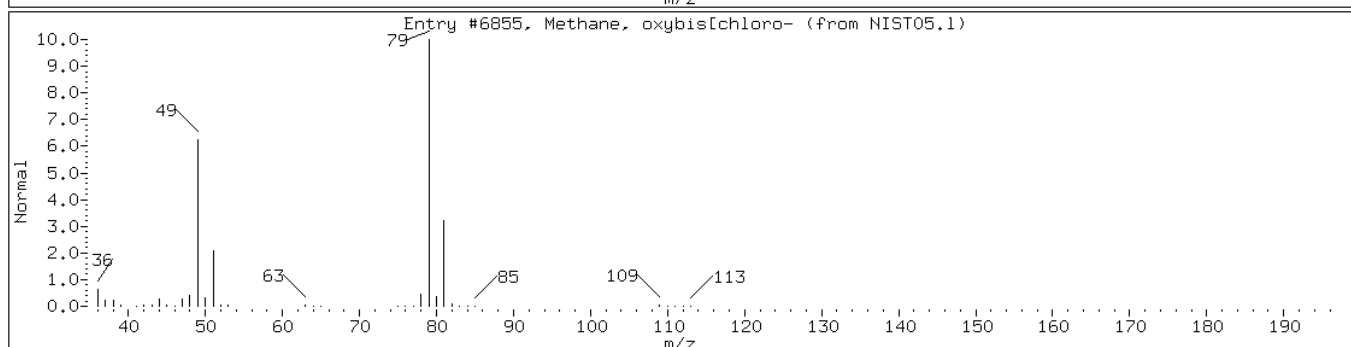
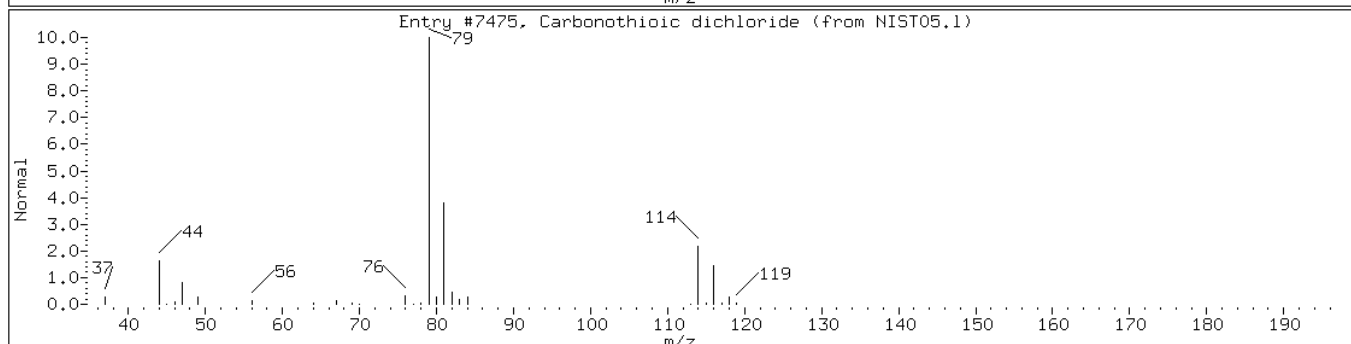
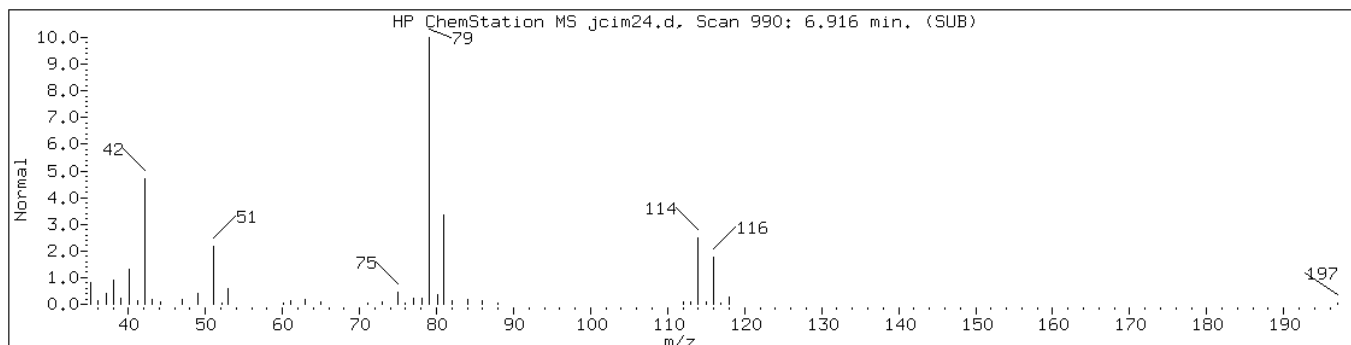
Date: 29-JAN-2011 01:00

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	53	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



Data File: jcim24.d

Lab Sample ID: 200-3445-9

Client ID: VHBLK01

Sample Info: 200-3445-D-9

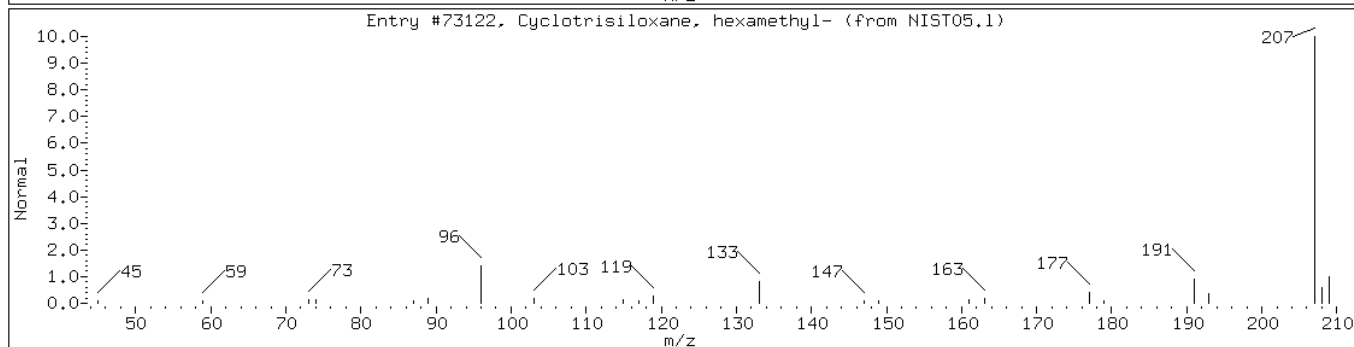
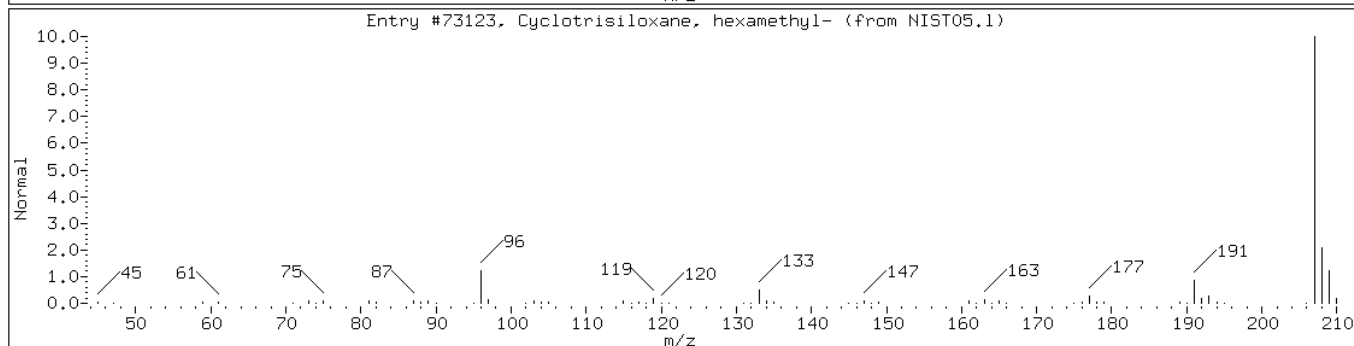
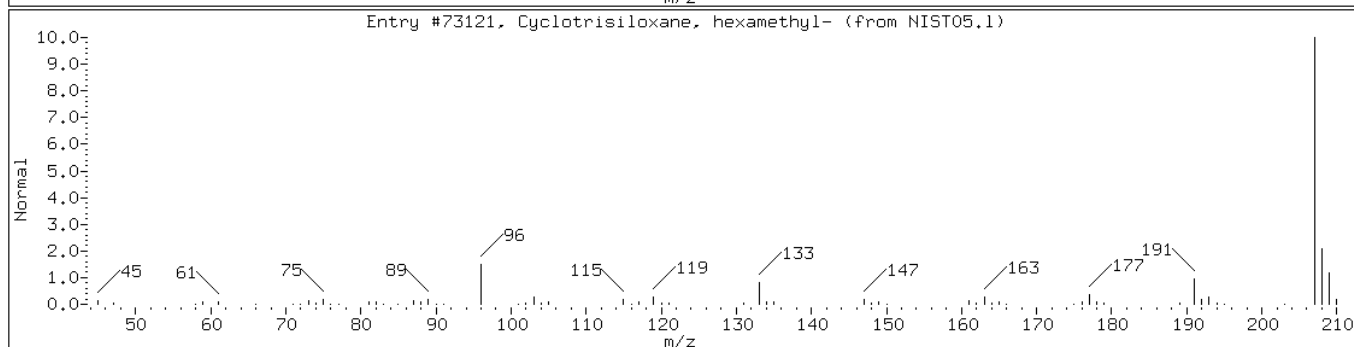
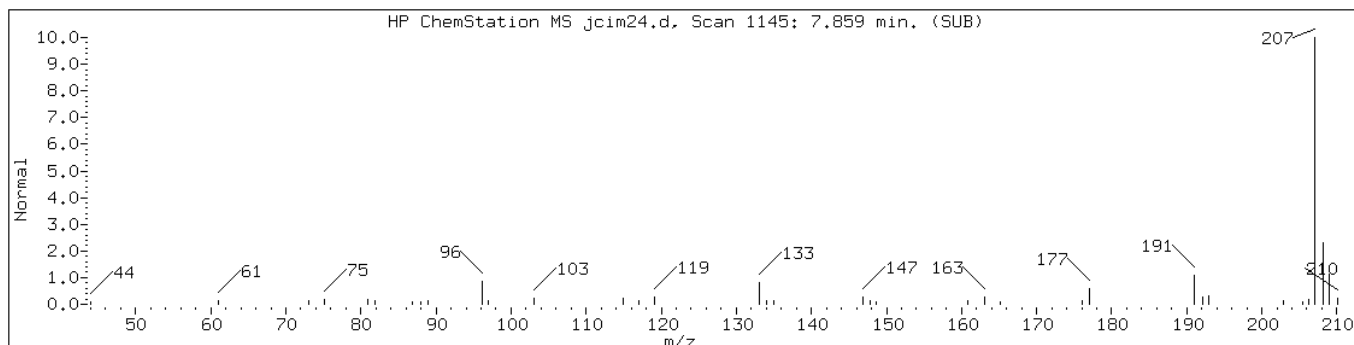
Date: 29-JAN-2011 01:00

Instrument: J.i

Operator: JH2

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	90	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	43	C ₆ H ₁₈ O ₃ Si ₃	222



Data File: jcim24.d

Lab Sample ID: 200-3445-9

Client ID: VHBLK01

Sample Info: 200-3445-D-9

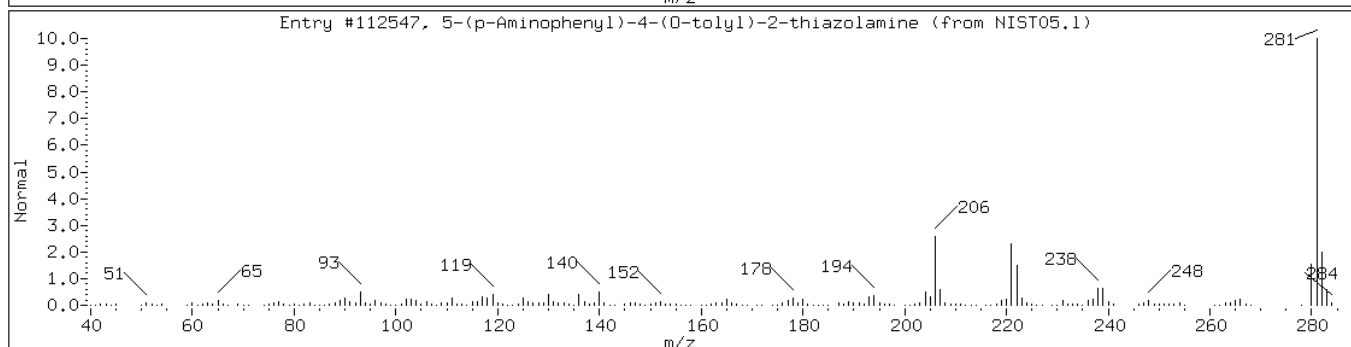
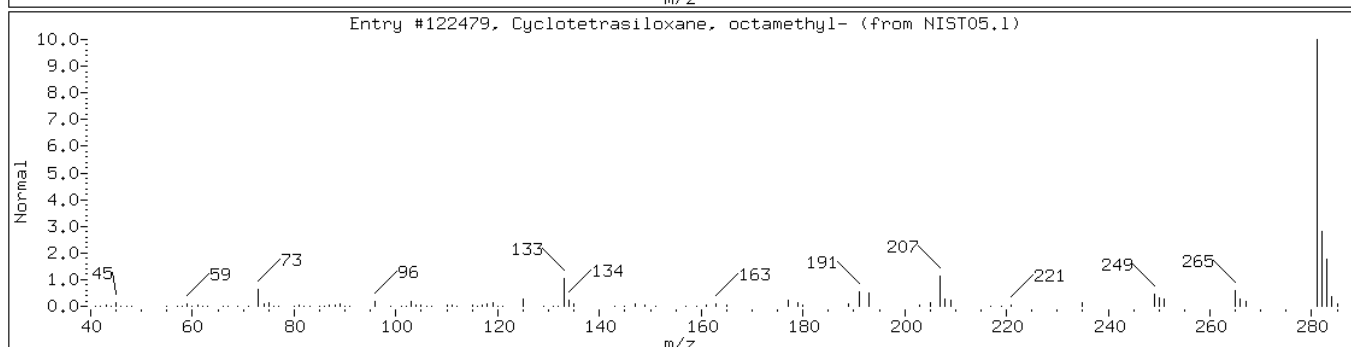
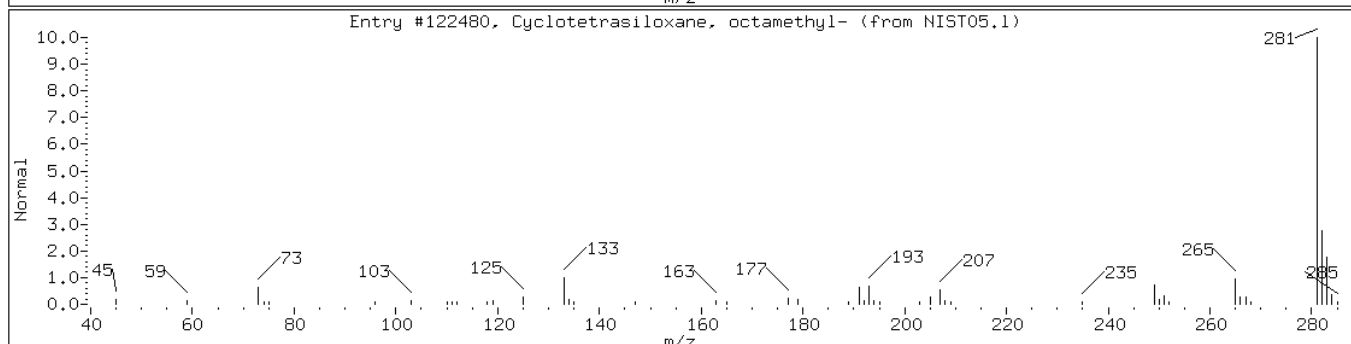
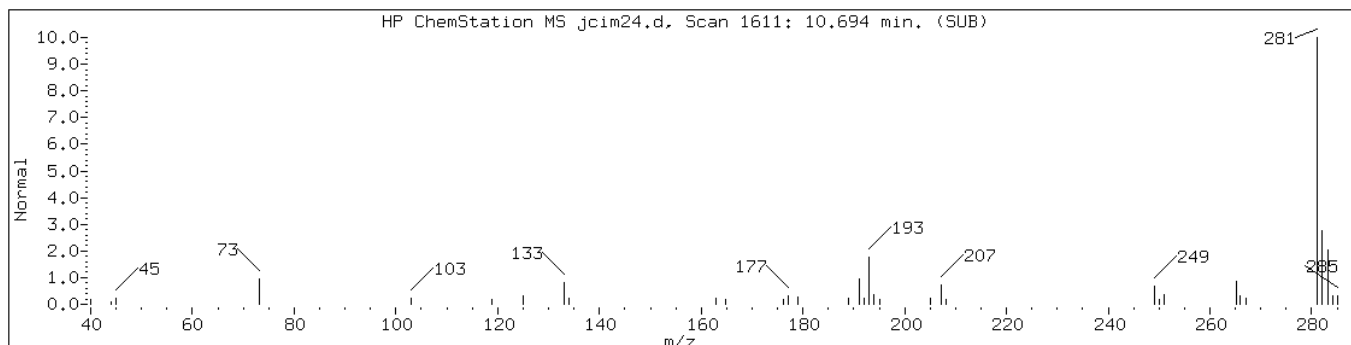
Date: 29-JAN-2011 01:00

Instrument: J.i

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	91	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	74	C ₈ H ₂₄ O ₄ Si ₄	296
5-(p-Aminophenyl)-4-(O-tolyl)-2-th	1000242-18-7	NIST05.1	112547	50	C ₁₆ H ₁₅ N ₃ S	281



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-3445-1 Analy Batch No.: 12248

SDG No.: 200-3445-1

Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2011 11:39 Calibration End Date: 01/14/2011 13:20 Calibration ID: 4374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-12248/4	VSTD0.5JT	jci04.d
Level 2	IC 200-12248/5	VSTD001JT	jci05.d
Level 3	ICIS 200-12248/6	VSTD005JT	jci06.d
Level 4	IC 200-12248/7	VSTD010JT	jci07.d
Level 5	IC 200-12248/8	VSTD020JT	jci08.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.5046	0.4579	0.4188	0.4141	0.4110	Ave		0.4413			0.0100	9.1		40.0			
Chloromethane	0.4115	0.4009	0.3593	0.3734	0.3567	Ave		0.3804			0.0100	6.5		40.0			
Vinyl chloride	0.4247	0.4083	0.3567	0.3659	0.3594	Ave		0.3830			0.1000	8.2		30.0			
Bromomethane	0.2241	0.2140	0.2053	0.2070	0.2137	Ave		0.2128			0.1000	3.5		30.0			
Chloroethane	0.2435	0.2149	0.2229	0.2259	0.2231	Ave		0.2260			0.0100	4.7		40.0			
Trichlorofluoromethane	0.6321	0.5728	0.5688	0.5804	0.5770	Ave		0.5862			0.0100	4.4		40.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3572	0.3428	0.3369	0.3370	0.3390	Ave		0.3426			0.0100	2.5		40.0			
1,1-Dichloroethene	0.3021	0.2959	0.2838	0.2880	0.2890	Ave		0.2918			0.1000	2.5		30.0			
Acetone	0.0239	0.0178	0.0169	0.0176	0.0163	Ave		0.0185			0.0100	16.5		40.0			
Carbon disulfide	1.0563	0.9498	0.8235	0.8195	0.8174	Ave		0.8933			0.0100	12.0		40.0			
Methyl acetate	0.0513	0.0459	0.0425	0.0448	0.0396	Ave		0.0448			0.0100	9.7		40.0			
Methylene chloride	0.2281	0.2571	0.2230	0.2372	0.2262	Ave		0.2343			0.0100	5.9		40.0			
Methyl tert-butyl ether	0.3214	0.3282	0.3270	0.3571	0.3559	Ave		0.3379			0.0100	5.1		40.0			
trans-1,2-Dichloroethene	0.3429	0.3119	0.2884	0.2946	0.2916	Ave		0.3059			0.0100	7.4		40.0			
1,1-Dichloroethane	0.5063	0.4975	0.4720	0.4814	0.4670	Ave		0.4848			0.2000	3.4		40.0			
cis-1,2-Dichloroethene	0.2645	0.2948	0.2810	0.2907	0.2848	Ave		0.2832			0.0100	4.1		40.0			
2-Butanone	0.0209	0.0243	0.0231	0.0253	0.0240	Ave		0.0235			0.0100	7.0		40.0			
Bromochloromethane	0.0905	0.1086	0.0963	0.1039	0.0979	Ave		0.0994			0.0500	7.0		30.0			
Chloroform	0.4629	0.4978	0.4761	0.4942	0.4840	Ave		0.4830			0.2000	2.9		30.0			
1,1,1-Trichloroethane	0.6044	0.5641	0.5937	0.6117	0.6037	Ave		0.5955			0.1000	3.1		30.0			
Cyclohexane	0.6073	0.5638	0.5792	0.5952	0.5822	Ave		0.5855			0.0100	2.8		40.0			
Carbon tetrachloride	0.5660	0.5162	0.5448	0.5688	0.5807	Ave		0.5553			0.1000	4.6		30.0			
Benzene	1.3461	1.3124	1.3687	1.3997	1.4063	Ave		1.3666			0.4000	2.8		30.0			
1,2-Dichloroethane	0.1997	0.2132	0.1983	0.2186	0.2085	Ave		0.2077			0.1000	4.2		30.0			
Trichloroethene	0.3978	0.3651	0.3685	0.3770	0.3616	Ave		0.3740			0.3000	3.9		30.0			
Methylcyclohexane	0.3816	0.3980	0.4237	0.4415	0.4539	Ave		0.4197			0.0100	7.1		40.0			
1,2-Dichloropropane	0.2808	0.2588	0.2677	0.2699	0.2722	Ave		0.2699			0.0100	2.9		40.0			
Bromodichloromethane	0.3177	0.3395	0.3481	0.3574	0.3507	Ave		0.3427			0.2000	4.5		30.0			
cis-1,3-Dichloropropene	0.3380	0.3374	0.3855	0.4188	0.4121	Ave		0.3784			0.2000	10.3		30.0			
4-Methyl-2-pentanone	0.0582	0.0573	0.0627	0.0729	0.0721	Ave		0.0646			0.0100	11.5		40.0			
Toluene	1.5067	1.3976	1.4956	1.5622	1.5685	Ave		1.5061			0.4000	4.6		30.0			
trans-1,3-Dichloropropene	0.2588	0.2101	0.2737	0.3042	0.3071	Ave		0.2708			0.1000	14.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-3445-1 Analy Batch No.: 12248

SDG No.: 200-3445-1

Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2011 11:39 Calibration End Date: 01/14/2011 13:20 Calibration ID: 4374

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2-Trichloroethane	0.1838	0.1742	0.1402	0.1526	0.1470	Ave		0.1596			0.1000	11.6		30.0			
Tetrachloroethene	0.3491	0.3198	0.3443	0.3520	0.3530	Ave		0.3436			0.1000	4.0		30.0			
2-Hexanone	0.0292	0.0370	0.0406	0.0496	0.0492	Ave		0.0411			0.0100	21.0		40.0			
Dibromochloromethane	0.1793	0.1884	0.1937	0.2254	0.2186	Ave		0.2011			0.1000	9.9		30.0			
1,2-Dibromoethane	0.1249	0.1205	0.1294	0.1430	0.1386	Ave		0.1313			0.0100	7.1		40.0			
Chlorobenzene	0.8780	0.8914	0.8922	0.9282	0.9244	Ave		0.9029			0.5000	2.5		30.0			
Ethylbenzene	1.5078	1.5077	1.6670	1.7797	1.8102	Ave		1.6545			0.1000	8.7		30.0			
m,p-Xylene	0.6854	0.6366	0.6806	0.7243	0.7204	Ave		0.6895			0.3000	5.2		30.0			
o-Xylene	0.6004	0.5614	0.6192	0.6698	0.6655	Ave		0.6232			0.3000	7.3		30.0			
Styrene	0.7779	0.7974	0.9294	1.0206	1.0451	Ave		0.9141			0.3000	13.5		30.0			
Bromoform	0.1760	0.1784	0.2006	0.2243	0.2301	Ave		0.2019			0.0500	12.4		30.0			
Isopropylbenzene	1.4931	1.5227	1.6957	1.8243	1.8872	Ave		1.6846			0.0100	10.4		40.0			
1,1,2,2-Tetrachloroethane	0.1144	0.1141	0.1255	0.1372	0.1328	Ave		0.1248			0.1000	8.4		30.0			
1,3-Dichlorobenzene	1.3623	1.3725	1.4041	1.4893	1.4997	Ave		1.4256			0.4000	4.6		30.0			
1,4-Dichlorobenzene	1.4556	1.4426	1.4066	1.4430	1.4698	Ave		1.4435			0.4000	1.6		30.0			
1,2-Dichlorobenzene	1.1064	1.1423	1.1445	1.1961	1.1948	Ave		1.1568			0.4000	3.3		30.0			
1,2-Dibromo-3-chloropropane	0.0318	0.0407	0.0369	0.0365	0.0402	Ave		0.0372			0.0100	9.6		40.0			
1,2,4-Trichlorobenzene	0.5877	0.6198	0.6984	0.7545	0.7559	Ave		0.6833			0.2000	11.3		30.0			
1,2,3-Trichlorobenzene	0.4505	0.4646	0.4682	0.5276	0.5290	Ave		0.4880			0.2000	7.7		30.0			
Vinyl chloride-d3	0.3808	0.3374	0.3334	0.3363	0.3282	Ave		0.3432			0.0100	6.2		30.0			
Chloroethane-d5	0.3084	0.2933	0.2615	0.2777	0.2783	Ave		0.2838			0.0100	6.2		40.0			
1,1-Dichloroethene-d2	0.6207	0.6213	0.6082	0.6252	0.6405	Ave		0.6232			0.0100	1.9		30.0			
2-Butanone-d5	0.0255	0.0239	0.0228	0.0259	0.0244	Ave		0.0245			0.0100	5.1		40.0			
Chloroform-d	0.5627	0.5079	0.5004	0.5136	0.5028	Ave		0.5175			0.0100	5.0		30.0			
1,2-Dichloroethane-d4	0.2103	0.1794	0.1668	0.1812	0.1708	Ave		0.1817			0.0100	9.4		30.0			
Benzene-d6	1.3740	1.2908	1.3071	1.3715	1.3621	Ave		1.3411			0.0100	2.9		30.0			
1,2-Dichloropropane-d6	0.3129	0.3485	0.3053	0.3713	0.3584	Ave		0.3393			0.0100	8.5		40.0			
Toluene-d8	1.1871	1.1885	1.2753	1.3137	1.3225	Ave		1.2574			0.0100	5.2		30.0			
trans-1,3-Dichloropropene-d4	0.2039	0.2172	0.2380	0.2659	0.2704	Ave		0.2391			0.0100	12.2		30.0			
2-Hexanone-d5	0.0180	0.0189	0.0227	0.0267	0.0262	Ave		0.0225			0.0100	17.9		40.0			
1,1,2,2-Tetrachloroethane-d2	0.1479	0.1206	0.1217	0.1438	0.1359	Ave		0.1340			0.0100	9.3		30.0			
1,2-Dichlorobenzene-d4	0.7462	0.7544	0.7070	0.7532	0.7504	Ave		0.7422			0.0100	2.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-3445-1 Analy Batch No.: 12248

SDG No.: 200-3445-1

Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2011 11:39 Calibration End Date: 01/14/2011 13:20 Calibration ID: 4374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-12248/4	jci04.d
Level 2	IC 200-12248/5	jci05.d
Level 3	ICIS 200-12248/6	jci06.d
Level 4	IC 200-12248/7	jci07.d
Level 5	IC 200-12248/8	jci08.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	13327	23747	122625	250636	526097	12.5	25.0	125	250	500
Chloromethane	DFB	Ave	10869	20790	105206	226013	456511	12.5	25.0	125	250	500
Vinyl chloride	DFB	Ave	11216	21175	104457	221469	460054	12.5	25.0	125	250	500
Bromomethane	DFB	Ave	5919	11097	60101	125315	273486	12.5	25.0	125	250	500
Chloroethane	DFB	Ave	6430	11142	65259	136737	285565	12.5	25.0	125	250	500
Trichlorofluoromethane	DFB	Ave	16695	29707	166565	351300	738499	12.5	25.0	125	250	500
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	9433	17779	98647	203976	433905	12.5	25.0	125	250	500
1,1-Dichloroethene	DFB	Ave	7979	15345	83110	174281	369946	12.5	25.0	125	250	500
Acetone	DFB	Ave	6300	9219	49572	106599	208476	125	250	1250	2500	5000
Carbon disulfide	DFB	Ave	27897	49255	241118	495992	1046173	12.5	25.0	125	250	500
Methyl acetate	DFB	Ave	1356	2379	12458	27105	50665	12.5	25.0	125	250	500
Methylene chloride	DFB	Ave	6023	13332	65290	143575	289506	12.5	25.0	125	250	500
Methyl tert-butyl ether	DFB	Ave	8488	17021	95735	216145	455576	12.5	25.0	125	250	500
trans-1,2-Dichloroethene	DFB	Ave	9056	16177	84460	178325	373232	12.5	25.0	125	250	500
1,1-Dichloroethane	DFB	Ave	13371	25800	138195	291388	597770	12.5	25.0	125	250	500
cis-1,2-Dichloroethene	DFB	Ave	6985	15288	82294	175930	364585	12.5	25.0	125	250	500
2-Butanone	DFB	Ave	5524	12586	67683	153126	306881	125	250	1250	2500	5000
Bromochloromethane	DFB	Ave	2390	5632	28192	62887	125282	12.5	25.0	125	250	500
Chloroform	DFB	Ave	12226	25814	139400	299095	619503	12.5	25.0	125	250	500
1,1,1-Trichloroethane	CBZ	Ave	13483	25064	143150	304554	637557	12.5	25.0	125	250	500
Cyclohexane	CBZ	Ave	13547	25049	139653	296352	614778	12.5	25.0	125	250	500
Carbon tetrachloride	CBZ	Ave	12626	22935	131352	283187	613192	12.5	25.0	125	250	500
Benzene	CBZ	Ave	30027	58311	330018	696883	1485138	12.5	25.0	125	250	500
1,2-Dichloroethane	DFB	Ave	5273	11058	58054	132301	266893	12.5	25.0	125	250	500
Trichloroethene	CBZ	Ave	8874	16222	88855	187683	381882	12.5	25.0	125	250	500
Methylcyclohexane	CBZ	Ave	8513	17686	102152	219795	479367	12.5	25.0	125	250	500
1,2-Dichloropropane	CBZ	Ave	6264	11500	64539	134393	287494	12.5	25.0	125	250	500
Bromodichloromethane	CBZ	Ave	7086	15085	83928	177931	370302	12.5	25.0	125	250	500
cis-1,3-Dichloropropene	CBZ	Ave	7540	14993	92946	208521	435212	12.5	25.0	125	250	500
4-Methyl-2-pentanone	CBZ	Ave	12992	25467	151125	362774	761705	125	250	1250	2500	5000
Toluene	CBZ	Ave	33608	62096	360614	777799	1656327	12.5	25.0	125	250	500
trans-1,3-Dichloropropene	CBZ	Ave	5774	9334	65991	151438	324288	12.5	25.0	125	250	500
1,1,2-Trichloroethane	CBZ	Ave	4099	7741	33809	75975	155203	12.5	25.0	125	250	500

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-3445-1 Analy Batch No.: 12248

SDG No.: 200-3445-1

Instrument ID: J.i GC Column: DB-624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2011 11:39 Calibration End Date: 01/14/2011 13:20 Calibration ID: 4374

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	7787	14209	83011	175245	372822	12.5	25.0	125	250	500
2-Hexanone	CBZ	Ave	6506	16438	97843	247037	520084	125	250	1250	2500	5000
Dibromochloromethane	CBZ	Ave	3999	8370	46707	112233	230804	12.5	25.0	125	250	500
1,2-Dibromoethane	CBZ	Ave	2786	5354	31198	71217	146329	12.5	25.0	125	250	500
Chlorobenzene	CBZ	Ave	19585	39606	215137	462151	976228	12.5	25.0	125	250	500
Ethylbenzene	CBZ	Ave	33633	66989	401952	886070	1911568	12.5	25.0	125	250	500
m,p-Xylene	CBZ	Ave	15289	28286	164098	360627	760795	12.5	25.0	125	250	500
o-Xylene	CBZ	Ave	13392	24945	149293	333489	702749	12.5	25.0	125	250	500
Styrene	CBZ	Ave	17353	35428	224093	508139	1103681	12.5	25.0	125	250	500
Bromoform	DCB	Ave	1921	3666	23154	56001	119801	12.5	25.0	125	250	500
Isopropylbenzene	CBZ	Ave	33306	67656	408871	908275	1992904	12.5	25.0	125	250	500
1,1,2,2-Tetrachloroethane	CBZ	Ave	2551	5069	30249	68329	140208	12.5	25.0	125	250	500
1,3-Dichlorobenzene	DCB	Ave	14867	28200	162097	371783	780713	12.5	25.0	125	250	500
1,4-Dichlorobenzene	DCB	Ave	15885	29641	162383	360209	765157	12.5	25.0	125	250	500
1,2-Dichlorobenzene	DCB	Ave	12074	23471	132121	298575	622013	12.5	25.0	125	250	500
1,2-Dibromo-3-chloropropane	DCB	Ave	347	836	4259	9100	20905	12.5	25.0	125	250	500
1,2,4-Trichlorobenzene	DCB	Ave	6413	12735	80626	188356	393509	12.5	25.0	125	250	500
1,2,3-Trichlorobenzene	DCB	Ave	4916	9546	54055	131704	275384	12.5	25.0	125	250	500
Vinyl chloride-d3	DFB	Ave	10056	17496	97635	203556	420078	12.5	25.0	125	250	500
Chloroethane-d5	DFB	Ave	8144	15210	76580	168068	356196	12.5	25.0	125	250	500
1,1-Dichloroethene-d2	DFB	Ave	16393	32219	178092	378380	819812	12.5	25.0	125	250	500
2-Butanone-d5	DFB	Ave	6727	12395	66780	156967	312251	125	250	1250	2500	5000
Chloroform-d	DFB	Ave	14862	26338	146515	310857	643526	12.5	25.0	125	250	500
1,2-Dichloroethane-d4	DFB	Ave	5554	9303	48854	109644	218633	12.5	25.0	125	250	500
Benzene-d6	CBZ	Ave	30650	57351	315172	682859	1438430	12.5	25.0	125	250	500
1,2-Dichloropropane-d6	CBZ	Ave	6980	15484	73624	184876	378473	12.5	25.0	125	250	500
Toluene-d8	CBZ	Ave	26481	52809	307508	654080	1396604	12.5	25.0	125	250	500
trans-1,3-Dichloropropene-d4	CBZ	Ave	4549	9649	57396	132402	285501	12.5	25.0	125	250	500
2-Hexanone-d5	CBZ	Ave	4007	8415	54648	132935	276795	125	250	1250	2500	5000
1,1,2,2-Tetrachloroethane-d2	CBZ	Ave	3300	5359	29338	71608	143516	12.5	25.0	125	250	500
1,2-Dichlorobenzene-d4	DCB	Ave	8143	15500	81618	188018	390671	12.5	25.0	125	250	500

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcismtr.b/jci04.d
Lab Smp Id: IC Client Smp ID: VSTD0.5JT
Inj Date : 14-JAN-2011 11:39
Operator : JH2 Inst ID: J.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcismtr.b/somtr5t.m
Meth Date : 14-Jan-2011 14:01 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 11:39 Cal File: jci04.d
Als bottle: 18 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)
							ON-COL (ng)
1 Dichlorodifluoromethane	85		1.416	1.416 (0.253)		13327	12.5000
2 Chloromethane	50		1.623	1.617 (0.290)		10869	12.5000
\$ 3 Vinyl chloride-d3	65		1.623	1.623 (0.290)		10056	12.5000
4 Vinyl chloride	62		1.629	1.629 (0.291)		11216	12.5000
5 Bromomethane	94		1.934	1.873 (0.346)		5919	12.5000
\$ 6 Chloroethane-d5	69		1.928	1.927 (0.344)		8144	12.5000
7 Chloroethane	64		1.946	1.946 (0.348)		6430	12.5000
8 Trichlorofluoromethane	101		2.134	2.134 (0.381)		16695	12.5000
\$ 9 1,1-Dichloroethene-d2	63		2.536	2.536 (0.453)		16393	12.5000
10 1,1-Dichloroethene	96		2.542	2.542 (0.454)		7979	12.5000
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.536	2.536 (0.453)		9433	12.5000
12 Acetone	43		2.591	2.584 (0.463)		6300	125.000
13 Carbon disulfide	76		2.737	2.737 (0.489)		27897	12.5000
14 Methyl acetate	43		2.870	2.864 (0.513)		1356	12.5000
15 Methylene chloride	84		2.956	2.956 (0.528)		6023	12.5000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.205	3.205	(0.573)	9056	12.5000	14
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	8488	12.5000	12(a)
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	13371	12.5000	13
\$ 19 2-Butanone-d5	46	4.178	4.172	(0.747)	6727	125.000	130
20 cis-1,2-Dichloroethene	96	4.221	4.215	(0.754)	6985	12.5000	12(a)
21 2-Butanone	43	4.245	4.239	(0.759)	5524	125.000	110(a)
22 Bromochloromethane	128	4.477	4.476	(0.800)	2390	12.5000	11(aQ)
\$ 23 Chloroform-d	84	4.543	4.537	(0.812)	14862	12.5000	13
24 Chloroform	83	4.562	4.562	(0.815)	12226	12.5000	12(a)
25 1,1,1-Trichloroethane	97	4.756	4.756	(0.532)	13483	12.5000	13
26 Cyclohexane	56	4.805	4.811	(0.537)	13547	12.5000	13
27 Carbon tetrachloride	117	4.933	4.933	(0.552)	12626	12.5000	13
\$ 28 1,2-Dichloroethane-d4	65	5.109	5.103	(0.913)	5554	12.5000	14
\$ 29 Benzene-d6	84	5.121	5.121	(0.573)	30650	12.5000	13
30 Benzene	78	5.164	5.164	(0.578)	30027	12.5000	12(a)
31 1,2-Dichloroethane	62	5.188	5.188	(0.927)	5273	12.5000	12(a)
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	264106	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	8874	12.5000	13
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	6980	12.5000	12(a)
35 Methylcyclohexane	55	6.083	6.083	(0.680)	8513	12.5000	12(a)
36 1,2-Dichloropropane	63	6.137	6.131	(0.686)	6264	12.5000	13(Q)
37 Bromodichloromethane	83	6.448	6.448	(0.721)	7086	12.5000	12(a)
38 cis-1,3-Dichloropropene	75	6.959	6.959	(0.778)	7540	12.5000	11(a)
39 4-Methyl-2-pentanone	43	7.153	7.147	(0.800)	12992	125.000	120(a)
\$ 40 Toluene-d8	98	7.263	7.257	(0.812)	26481	12.5000	12(a)
41 Toluene	91	7.336	7.336	(0.820)	33608	12.5000	13
\$ 42 trans-1,3-Dichloropropene-d4	79	7.579	7.573	(0.848)	4549	12.5000	11(a)
43 trans-1,3-Dichloropropene	75	7.610	7.603	(0.851)	5774	12.5000	12(a)
44 1,1,2-Trichloroethane	97	7.816	7.816	(0.874)	4099	12.5000	14
45 Tetrachloroethene	164	7.962	7.962	(0.890)	7787	12.5000	13
\$ 46 2-Hexanone-d5	63	8.078	8.066	(0.903)	4007	125.000	100(a)
47 2-Hexanone	43	8.133	8.127	(0.910)	6506	125.000	93(a)
48 Dibromochloromethane	129	8.267	8.267	(0.924)	3999	12.5000	11(a)
49 1,2-Dibromoethane	107	8.394	8.394	(0.939)	2786	12.5000	12(a)
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	223064	125.000	
51 Chlorobenzene	112	8.978	8.978	(1.004)	19585	12.5000	12(a)
52 Ethylbenzene	91	9.118	9.118	(1.020)	33633	12.5000	12(a)
53 m,p-Xylene	106	9.258	9.258	(1.035)	15289	12.5000	13
54 Styrene	104	9.757	9.751	(1.091)	17353	12.5000	11(a)
55 o-Xylene	106	9.733	9.733	(1.088)	13392	12.5000	12(a)
56 Bromoform	173	9.964	9.964	(0.846)	1921	12.5000	11(aM)
57 Isopropylbenzene	105	10.183	10.183	(1.139)	33306	12.5000	11(a)
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.536	10.530	(1.178)	3300	12.5000	14
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	2551	12.5000	12(a)
60 1,3-Dichlorobenzene	146	11.692	11.685	(0.993)	14867	12.5000	12(a)
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	109129	125.000	
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.002)	15885	12.5000	13

						AMOUNTS		
		QUANT	SIG			CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
=====		====	==	=====	=====	=====	=====	=====
\$ 63	1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	8143	12.5000	13
64	1,2-Dichlorobenzene	146	12.239	12.233	(1.040)	12074	12.5000	12(a)
65	1,2-Dibromo-3-chloropropane	75	13.115	13.097	(1.114)	347	12.5000	11(a)
66	1,2,4-Trichlorobenzene	180	13.930	13.924	(1.183)	6413	12.5000	11(aQ)
67	1,2,3-Trichlorobenzene	180	14.387	14.381	(1.222)	4916	12.5000	12(a)

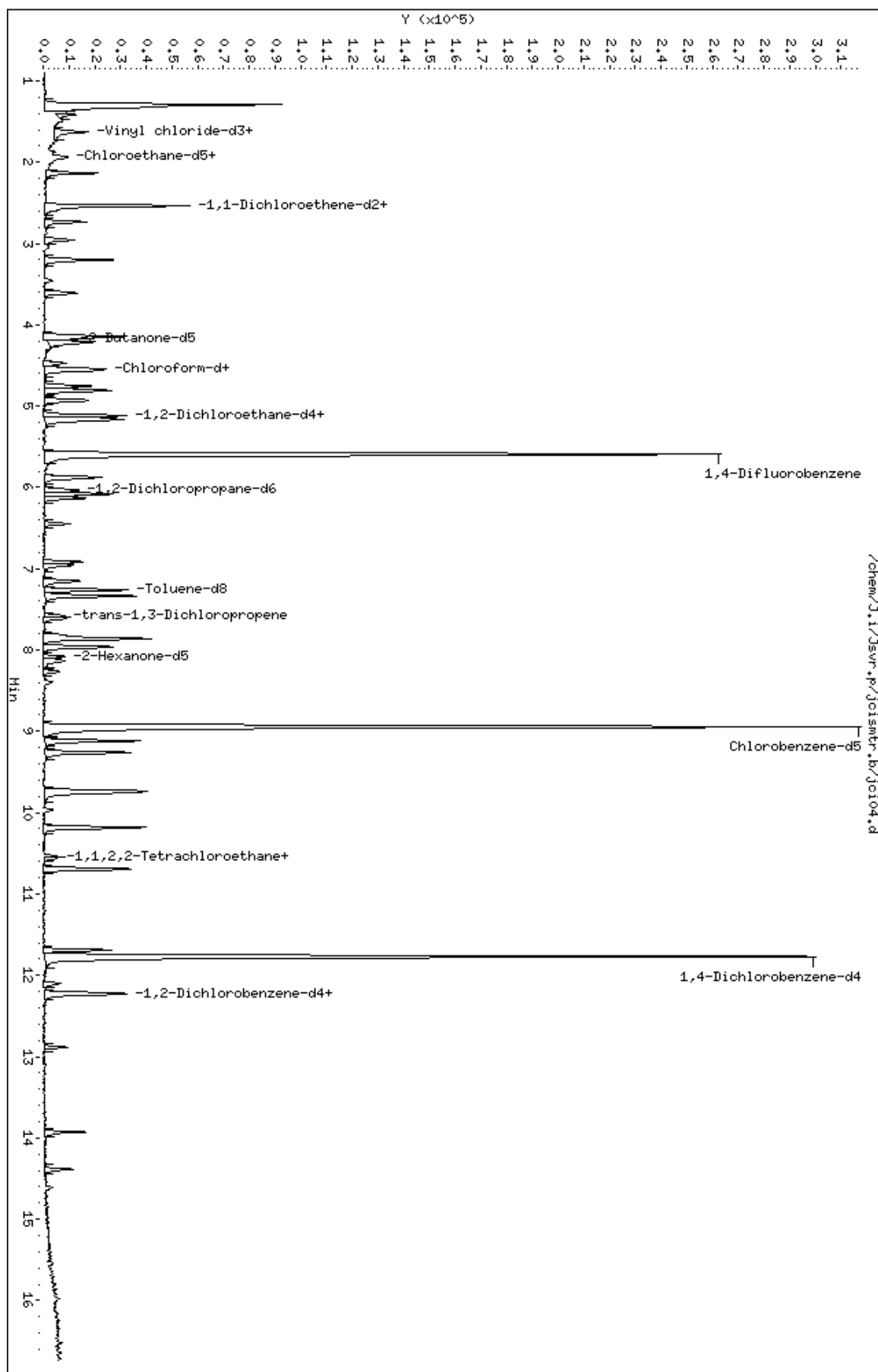
QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: /chem/J.i/Jsvr.p/joismtr.b/joi04.d
Date: 14-JAN-2011 11:39
Client ID: WSTD0.5JT
Sample Info: IC
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.20

Page 1



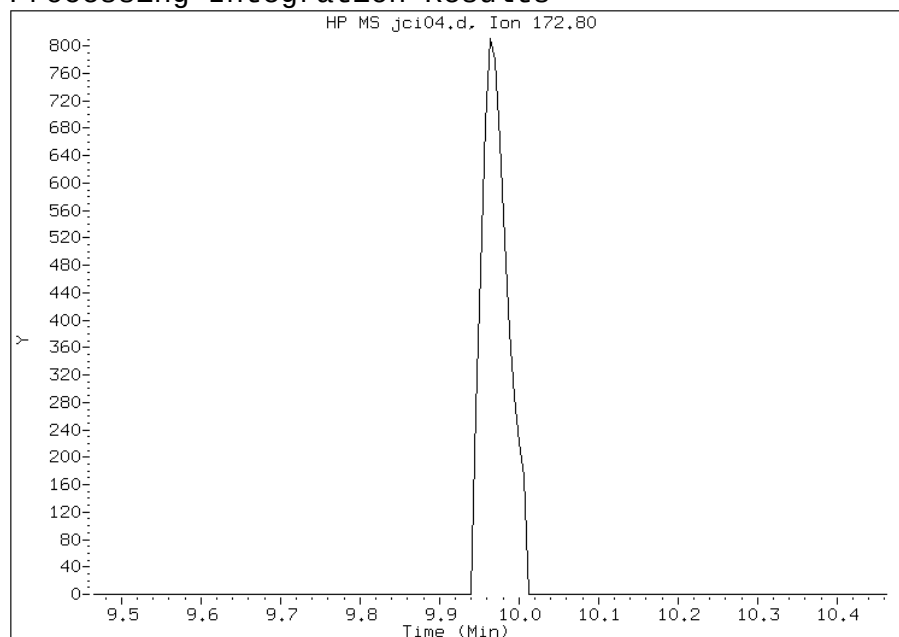
Manual Integration Report

Data File: jci04.d
Lab Sample ID: IC
Inj. Date and Time: 14-JAN-2011 11:39
Instrument ID: J.i
Client ID: VSTD0.5JT
Compound: 56 Bromoform
CAS #: 75-25-2
Report Date: 01/14/2011

Not Detected

Expected RT: 9.96

Processing Integration Results



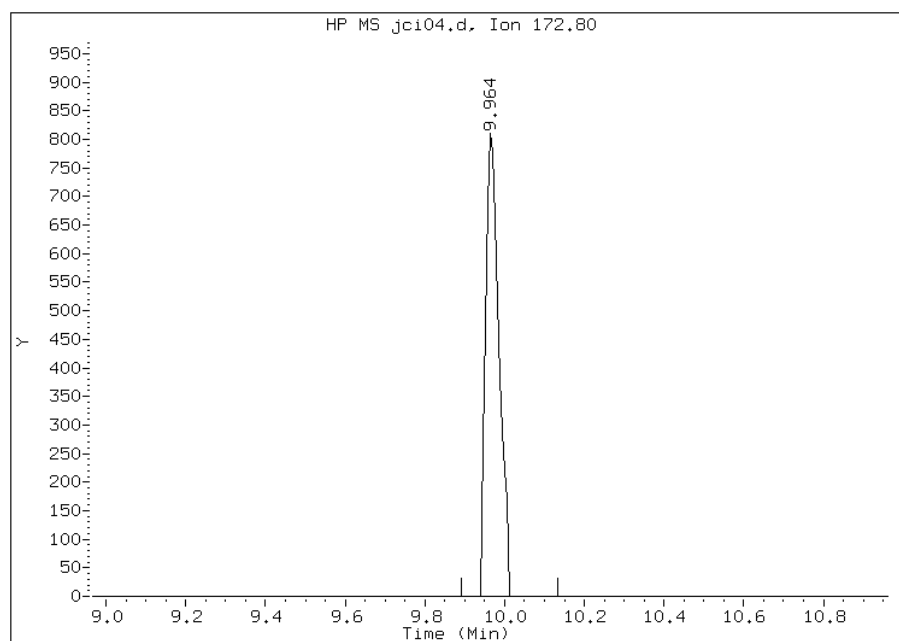
Manual Integration Results

RT: 9.96

Response: 1921

Amount: 11.29

Conc: 11.29



File Uploaded By: jh2

Manual Integration Reason: Analyte not identified by the data system

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcismtr.b/jci05.d
Lab Smp Id: IC Client Smp ID: VSTD001JT
Inj Date : 14-JAN-2011 12:05
Operator : JH2 Inst ID: J.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcismtr.b/somtr5t.m
Meth Date : 14-Jan-2011 14:01 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 12:05 Cal File: jci05.d
Als bottle: 19 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85	1.417	1.416 (0.253)	23747	25.0000	26		
2 Chloromethane	50	1.611	1.617 (0.288)	20790	25.0000	26		
\$ 3 Vinyl chloride-d3	65	1.623	1.623 (0.290)	17496	25.0000	24		
4 Vinyl chloride	62	1.630	1.629 (0.291)	21175	25.0000	26		
5 Bromomethane	94	1.873	1.873 (0.335)	11097	25.0000	25		
\$ 6 Chloroethane-d5	69	1.928	1.927 (0.344)	15210	25.0000	26		
7 Chloroethane	64	1.946	1.946 (0.348)	11142	25.0000	24		
8 Trichlorofluoromethane	101	2.134	2.134 (0.381)	29707	25.0000	24		
\$ 9 1,1-Dichloroethene-d2	63	2.536	2.536 (0.453)	32219	25.0000	25		
10 1,1-Dichloroethene	96	2.542	2.542 (0.454)	15345	25.0000	25		
11 1,1,2-Trichloro-1,2,2-trifluo	101	2.536	2.536 (0.453)	17779	25.0000	25		
12 Acetone	43	2.591	2.584 (0.463)	9219	250.000	230		
13 Carbon disulfide	76	2.731	2.737 (0.488)	49255	25.0000	26		
14 Methyl acetate	43	2.865	2.864 (0.512)	2379	25.0000	25		
15 Methylene chloride	84	2.956	2.956 (0.528)	13332	25.0000	27		

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.199	3.205	(0.572)	16177	25.0000	25
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	17021	25.0000	25
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	25800	25.0000	25
\$ 19 2-Butanone-d5	46	4.179	4.172	(0.747)	12395	250.000	240
20 cis-1,2-Dichloroethene	96	4.215	4.215	(0.753)	15288	25.0000	26
21 2-Butanone	43	4.245	4.239	(0.759)	12586	250.000	260
22 Bromochloromethane	128	4.471	4.476	(0.799)	5632	25.0000	27
\$ 23 Chloroform-d	84	4.537	4.537	(0.811)	26338	25.0000	24
24 Chloroform	83	4.562	4.562	(0.815)	25814	25.0000	26
25 1,1,1-Trichloroethane	97	4.756	4.756	(0.532)	25064	25.0000	24
26 Cyclohexane	56	4.811	4.811	(0.538)	25049	25.0000	24
27 Carbon tetrachloride	117	4.933	4.933	(0.552)	22935	25.0000	24
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	9303	25.0000	24
\$ 29 Benzene-d6	84	5.122	5.121	(0.573)	57351	25.0000	24
30 Benzene	78	5.164	5.164	(0.578)	58311	25.0000	24
31 1,2-Dichloroethane	62	5.188	5.188	(0.927)	11058	25.0000	26
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	259293	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	16222	25.0000	24
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	15484	25.0000	26
35 Methylcyclohexane	55	6.083	6.083	(0.680)	17686	25.0000	24
36 1,2-Dichloropropane	63	6.131	6.131	(0.686)	11500	25.0000	24
37 Bromodichloromethane	83	6.448	6.448	(0.721)	15085	25.0000	25
38 cis-1,3-Dichloropropene	75	6.965	6.959	(0.779)	14993	25.0000	23
39 4-Methyl-2-pentanone	43	7.153	7.147	(0.800)	25467	250.000	230
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	52809	25.0000	24
41 Toluene	91	7.336	7.336	(0.820)	62096	25.0000	23
\$ 42 trans-1,3-Dichloropropene-d4	79	7.579	7.573	(0.848)	9649	25.0000	23
43 trans-1,3-Dichloropropene	75	7.610	7.603	(0.851)	9334	25.0000	20
44 1,1,2-Trichloroethane	97	7.817	7.816	(0.874)	7741	25.0000	27
45 Tetrachloroethene	164	7.963	7.962	(0.890)	14209	25.0000	23
\$ 46 2-Hexanone-d5	63	8.072	8.066	(0.903)	8415	250.000	220
47 2-Hexanone	43	8.133	8.127	(0.910)	16438	250.000	240
48 Dibromochloromethane	129	8.267	8.267	(0.924)	8370	25.0000	24
49 1,2-Dibromoethane	107	8.394	8.394	(0.939)	5354	25.0000	23(M)
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	222159	125.000	
51 Chlorobenzene	112	8.979	8.978	(1.004)	39606	25.0000	25
52 Ethylbenzene	91	9.118	9.118	(1.020)	66989	25.0000	23
53 m,p-Xylene	106	9.264	9.258	(1.036)	28286	25.0000	23
54 Styrene	104	9.757	9.751	(1.091)	35428	25.0000	23
55 o-Xylene	106	9.733	9.733	(1.088)	24945	25.0000	23
56 Bromoform	173	9.964	9.964	(0.846)	3666	25.0000	23
57 Isopropylbenzene	105	10.183	10.183	(1.139)	67656	25.0000	23
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.536	10.530	(1.178)	5359	25.0000	23
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	5069	25.0000	23
60 1,3-Dichlorobenzene	146	11.686	11.685	(0.993)	28200	25.0000	24
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	102733	125.000	
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.002)	29641	25.0000	25

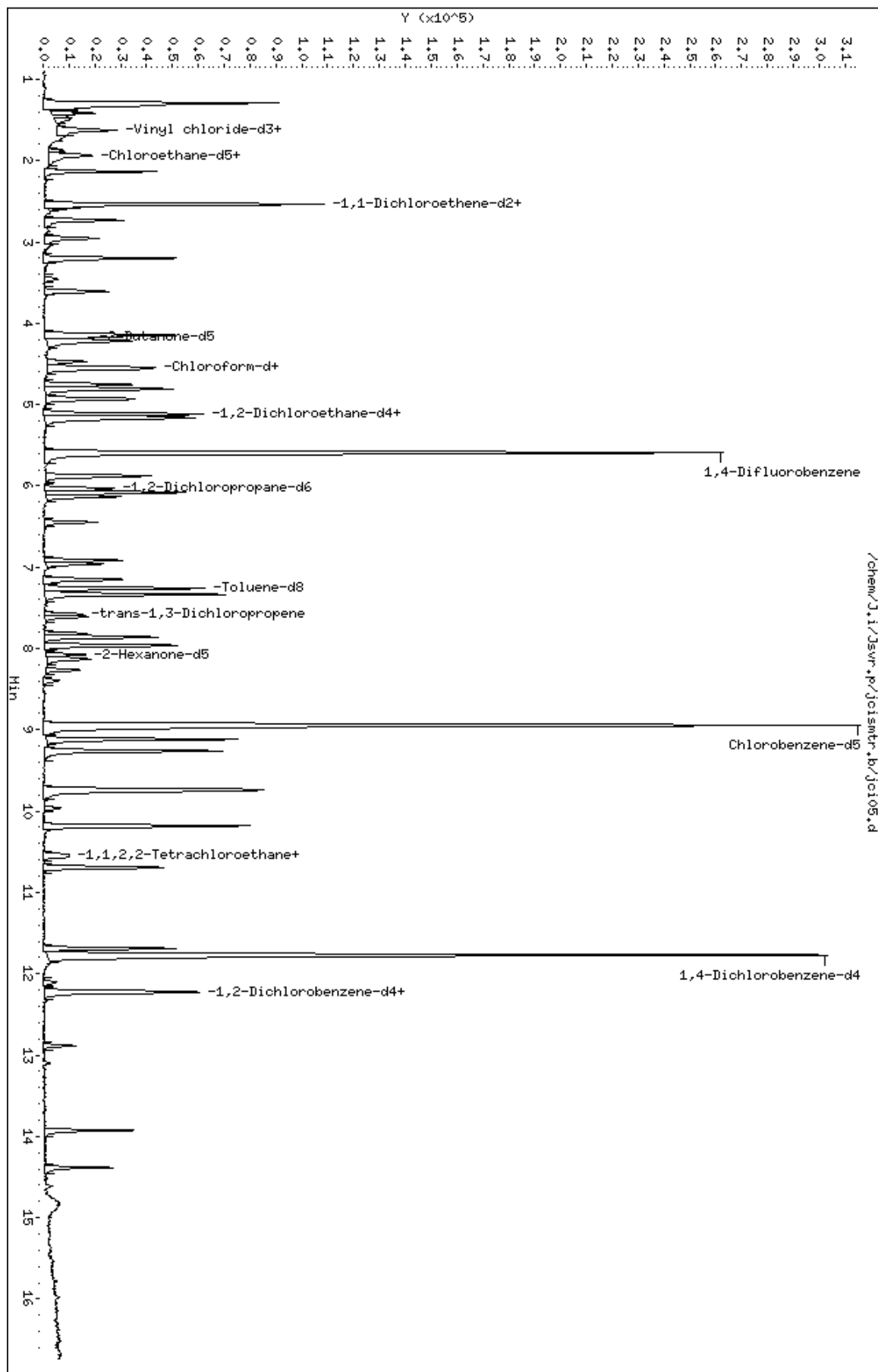
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	15500	25.0000	25
64 1,2-Dichlorobenzene	146	12.233	12.233	(1.039)	23471	25.0000	25
65 1,2-Dibromo-3-chloropropane	75	13.103	13.097	(1.113)	836	25.0000	28
66 1,2,4-Trichlorobenzene	180	13.931	13.924	(1.183)	12735	25.0000	23
67 1,2,3-Trichlorobenzene	180	14.387	14.381	(1.222)	9546	25.0000	24

QC Flag Legend

M - Compound response manually integrated.

Data File: /chem/J.i/Jswr.p/joismtr.b/joi05.d
Date: 14-JAN-2011 12:05
Client ID: WSTD001JT
Sample Info: IC
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.20



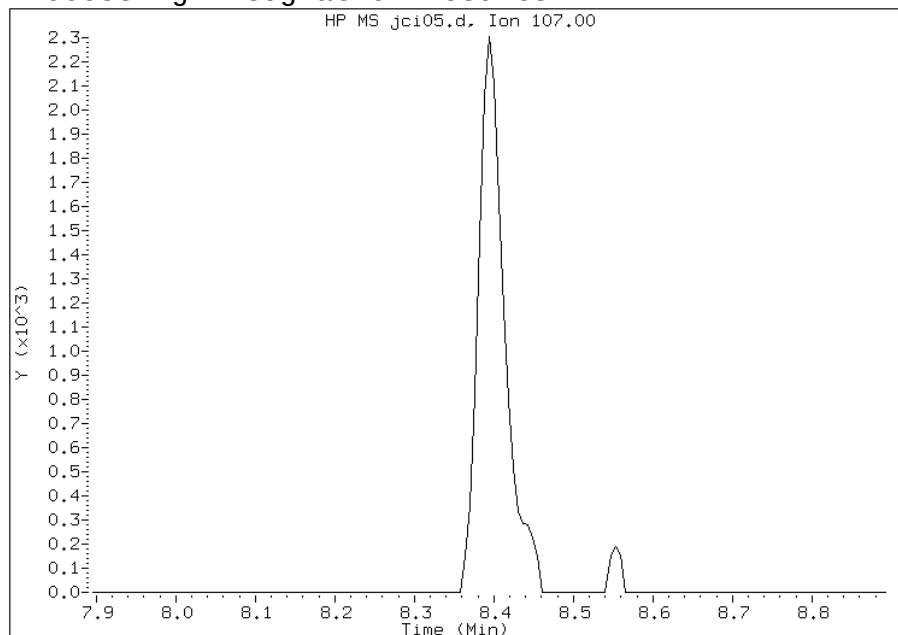
Manual Integration Report

Data File: jci05.d
Lab Sample ID: IC
Inj. Date and Time: 14-JAN-2011 12:05
Instrument ID: J.i
Client ID: VSTD001JT
Compound: 49 1,2-Dibromoethane
CAS #: 106-93-4
Report Date: 01/14/2011

Processing Integration Results

Not Detected

Expected RT: 8.39



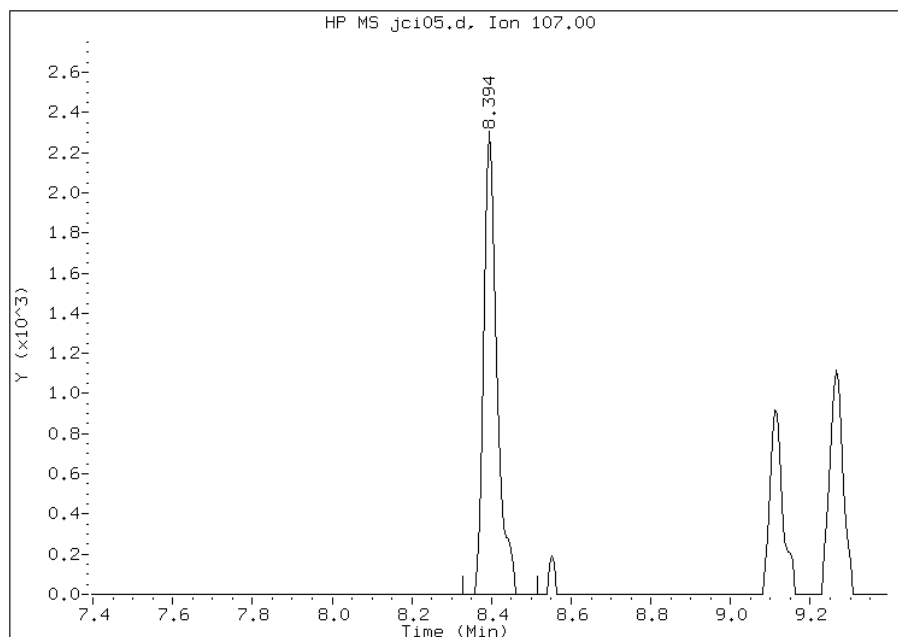
Manual Integration Results

RT: 8.39

Response: 5354

Amount: 23.27

Conc: 23.27



File Uploaded By: jh2

Manual Integration Reason: Analyte not identified by the data system

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcismtr.b/jci06.d
 Lab Smp Id: ICIS Client Smp ID: VSTD005JT
 Inj Date : 14-JAN-2011 12:30
 Operator : JH2 Inst ID: J.i
 Smp Info : ICIS
 Misc Info : 1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/jcismtr.b/somtr5t.m
 Meth Date : 14-Jan-2011 14:01 jh2 Quant Type: ISTD
 Cal Date : 14-JAN-2011 12:30 Cal File: jci06.d
 Als bottle: 20 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

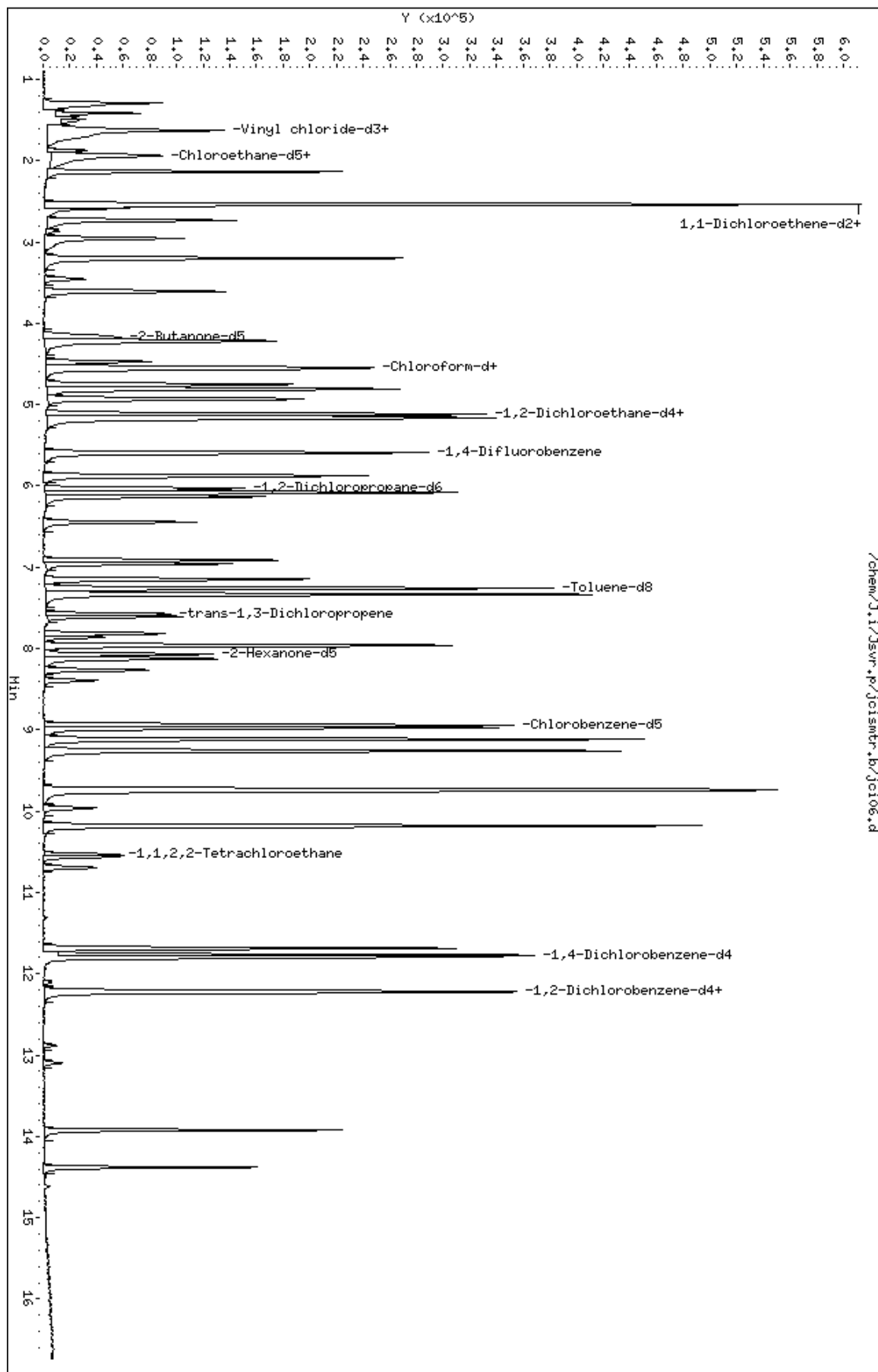
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng)	(ng)
1 Dichlorodifluoromethane		85	1.416	1.416	(0.253)	122625	125.000	120
2 Chloromethane		50	1.617	1.617	(0.289)	105206	125.000	120
\$ 3 Vinyl chloride-d3		65	1.623	1.623	(0.290)	97635	125.000	120
4 Vinyl chloride		62	1.629	1.629	(0.291)	104457	125.000	110
5 Bromomethane		94	1.873	1.873	(0.335)	60101	125.000	120
\$ 6 Chloroethane-d5		69	1.927	1.927	(0.344)	76580	125.000	110
7 Chloroethane		64	1.946	1.946	(0.348)	65259	125.000	120
8 Trichlorofluoromethane		101	2.134	2.134	(0.381)	166565	125.000	120
\$ 9 1,1-Dichloroethene-d2		63	2.536	2.536	(0.453)	178092	125.000	120
10 1,1-Dichloroethene		96	2.542	2.542	(0.454)	83110	125.000	120
11 1,1,2-Trichloro-1,2,2-trifluo		101	2.536	2.536	(0.453)	98647	125.000	120
12 Acetone		43	2.584	2.584	(0.462)	49572	1250.00	1100
13 Carbon disulfide		76	2.737	2.737	(0.489)	241118	125.000	110
14 Methyl acetate		43	2.864	2.864	(0.512)	12458	125.000	120
15 Methylene chloride		84	2.956	2.956	(0.528)	65290	125.000	120

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.205	3.205	(0.573)	84460	125.000	120
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	95735	125.000	120
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	138195	125.000	120
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	66780	1250.00	1200
20 cis-1,2-Dichloroethene	96	4.215	4.215	(0.753)	82294	125.000	120
21 2-Butanone	43	4.239	4.239	(0.758)	67683	1250.00	1200
22 Bromochloromethane	128	4.476	4.476	(0.800)	28192	125.000	120
\$ 23 Chloroform-d	84	4.537	4.537	(0.811)	146515	125.000	120
24 Chloroform	83	4.562	4.562	(0.815)	139400	125.000	120
25 1,1,1-Trichloroethane	97	4.756	4.756	(0.532)	143150	125.000	130
26 Cyclohexane	56	4.811	4.811	(0.538)	139653	125.000	120
27 Carbon tetrachloride	117	4.933	4.933	(0.552)	131352	125.000	120
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	48854	125.000	110
\$ 29 Benzene-d6	84	5.121	5.121	(0.573)	315172	125.000	120
30 Benzene	78	5.164	5.164	(0.578)	330018	125.000	130
31 1,2-Dichloroethane	62	5.188	5.188	(0.927)	58054	125.000	120
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	292812	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	88855	125.000	120
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	73624	125.000	110
35 Methylcyclohexane	55	6.083	6.083	(0.680)	102152	125.000	130
36 1,2-Dichloropropane	63	6.131	6.131	(0.686)	64539	125.000	120
37 Bromodichloromethane	83	6.448	6.448	(0.721)	83928	125.000	130
38 cis-1,3-Dichloropropene	75	6.959	6.959	(0.778)	92946	125.000	130
39 4-Methyl-2-pentanone	43	7.147	7.147	(0.799)	151125	1250.00	1200
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	307508	125.000	130
41 Toluene	91	7.336	7.336	(0.820)	360614	125.000	130
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	57396	125.000	130
43 trans-1,3-Dichloropropene	75	7.603	7.603	(0.850)	65991	125.000	130
44 1,1,2-Trichloroethane	97	7.816	7.816	(0.874)	33809	125.000	110
45 Tetrachloroethene	164	7.962	7.962	(0.890)	83011	125.000	130
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	54648	1250.00	1300
47 2-Hexanone	43	8.127	8.127	(0.909)	97843	1250.00	1300
48 Dibromochloromethane	129	8.267	8.267	(0.924)	46707	125.000	120
49 1,2-Dibromoethane	107	8.394	8.394	(0.939)	31198	125.000	120
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	241119	125.000	
51 Chlorobenzene	112	8.978	8.978	(1.004)	215137	125.000	120
52 Ethylbenzene	91	9.118	9.118	(1.020)	401952	125.000	130
53 m,p-Xylene	106	9.258	9.258	(1.035)	164098	125.000	120
54 Styrene	104	9.751	9.751	(1.090)	224093	125.000	130
55 o-Xylene	106	9.733	9.733	(1.088)	149293	125.000	130
56 Bromoform	173	9.964	9.964	(0.846)	23154	125.000	130
57 Isopropylbenzene	105	10.183	10.183	(1.139)	408871	125.000	130
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	29338	125.000	110
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	30249	125.000	130
60 1,3-Dichlorobenzene	146	11.685	11.685	(0.993)	162097	125.000	120
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	115442	125.000	
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.002)	162383	125.000	120

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	81618	125.000	120
64 1,2-Dichlorobenzene	146	12.233	12.233	(1.039)	132121	125.000	120
65 1,2-Dibromo-3-chloropropane	75	13.097	13.097	(1.113)	4259	125.000	130
66 1,2,4-Trichlorobenzene	180	13.924	13.924	(1.183)	80626	125.000	130
67 1,2,3-Trichlorobenzene	180	14.381	14.381	(1.222)	54055	125.000	120

Data File: /chem/J.i/Jswr.p/joismtr.b/joi06.d
 Date : 14-JAN-2011 12:30
 Client ID: WSTD005JT
 Sample Info: ICIS
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcismtr.b/jci07.d
Lab Smp Id: IC Client Smp ID: VSTD010JT
Inj Date : 14-JAN-2011 12:55
Operator : JH2 Inst ID: J.i
Smp Info : IC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcismtr.b/somtr5t.m
Meth Date : 14-Jan-2011 14:01 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 12:55 Cal File: jci07.d
Als bottle: 21 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ng)	(ng)
1 Dichlorodifluoromethane		85	1.417	1.416	(0.253)	250636	250.000	230
2 Chloromethane		50	1.623	1.617	(0.290)	226013	250.000	240
\$ 3 Vinyl chloride-d3		65	1.623	1.623	(0.290)	203556	250.000	240
4 Vinyl chloride		62	1.629	1.629	(0.291)	221469	250.000	240
5 Bromomethane		94	1.873	1.873	(0.335)	125315	250.000	240
\$ 6 Chloroethane-d5		69	1.928	1.927	(0.344)	168068	250.000	240
7 Chloroethane		64	1.946	1.946	(0.348)	136737	250.000	250
8 Trichlorofluoromethane		101	2.134	2.134	(0.381)	351300	250.000	250
\$ 9 1,1-Dichloroethene-d2		63	2.530	2.536	(0.452)	378380	250.000	250
10 1,1-Dichloroethene		96	2.542	2.542	(0.454)	174281	250.000	250
11 1,1,2-Trichloro-1,2,2-trifluo		101	2.536	2.536	(0.453)	203976	250.000	250
12 Acetone		43	2.585	2.584	(0.462)	106599	2500.00	2300
13 Carbon disulfide		76	2.737	2.737	(0.489)	495992	250.000	220
14 Methyl acetate		43	2.864	2.864	(0.512)	27105	250.000	240
15 Methylene chloride		84	2.956	2.956	(0.528)	143575	250.000	250

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.199	3.205	(0.572)	178325	250.000	240
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	216145	250.000	270
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	291388	250.000	250
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	156967	2500.00	2600
20 cis-1,2-Dichloroethene	96	4.215	4.215	(0.753)	175930	250.000	260
21 2-Butanone	43	4.239	4.239	(0.758)	153126	2500.00	2700
22 Bromochloromethane	128	4.477	4.476	(0.800)	62887	250.000	260
\$ 23 Chloroform-d	84	4.537	4.537	(0.811)	310857	250.000	250
24 Chloroform	83	4.562	4.562	(0.815)	299095	250.000	260
25 1,1,1-Trichloroethane	97	4.756	4.756	(0.532)	304554	250.000	260
26 Cyclohexane	56	4.811	4.811	(0.538)	296352	250.000	250
27 Carbon tetrachloride	117	4.933	4.933	(0.552)	283187	250.000	260
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	109644	250.000	250
\$ 29 Benzene-d6	84	5.121	5.121	(0.573)	682859	250.000	260
30 Benzene	78	5.164	5.164	(0.578)	696883	250.000	260
31 1,2-Dichloroethane	62	5.188	5.188	(0.927)	132301	250.000	260
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	302621	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	187683	250.000	250
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	184876	250.000	280
35 Methylcyclohexane	55	6.083	6.083	(0.680)	219795	250.000	270
36 1,2-Dichloropropane	63	6.131	6.131	(0.686)	134393	250.000	250
37 Bromodichloromethane	83	6.448	6.448	(0.721)	177931	250.000	260
38 cis-1,3-Dichloropropene	75	6.959	6.959	(0.778)	208521	250.000	280
39 4-Methyl-2-pentanone	43	7.147	7.147	(0.799)	362774	2500.00	2900
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	654080	250.000	260
41 Toluene	91	7.336	7.336	(0.820)	777799	250.000	260
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	132402	250.000	290
43 trans-1,3-Dichloropropene	75	7.604	7.603	(0.850)	151438	250.000	290
44 1,1,2-Trichloroethane	97	7.816	7.816	(0.874)	75975	250.000	230
45 Tetrachloroethene	164	7.962	7.962	(0.890)	175245	250.000	260
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	132935	2500.00	3100
47 2-Hexanone	43	8.127	8.127	(0.909)	247037	2500.00	3200
48 Dibromochloromethane	129	8.267	8.267	(0.924)	112233	250.000	290
49 1,2-Dibromoethane	107	8.394	8.394	(0.939)	71217	250.000	280
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	248944	125.000	
51 Chlorobenzene	112	8.972	8.978	(1.003)	462151	250.000	260
52 Ethylbenzene	91	9.118	9.118	(1.020)	886070	250.000	280
53 m,p-Xylene	106	9.258	9.258	(1.035)	360627	250.000	270
54 Styrene	104	9.751	9.751	(1.090)	508139	250.000	290
55 o-Xylene	106	9.733	9.733	(1.088)	333489	250.000	270
56 Bromoform	173	9.964	9.964	(0.847)	56001	250.000	290
57 Isopropylbenzene	105	10.183	10.183	(1.139)	908275	250.000	280
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	71608	250.000	270
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	68329	250.000	280
60 1,3-Dichlorobenzene	146	11.686	11.685	(0.993)	371783	250.000	260
* 61 1,4-Dichlorobenzene-d4	152	11.765	11.771	(1.000)	124814	125.000	
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.003)	360209	250.000	250

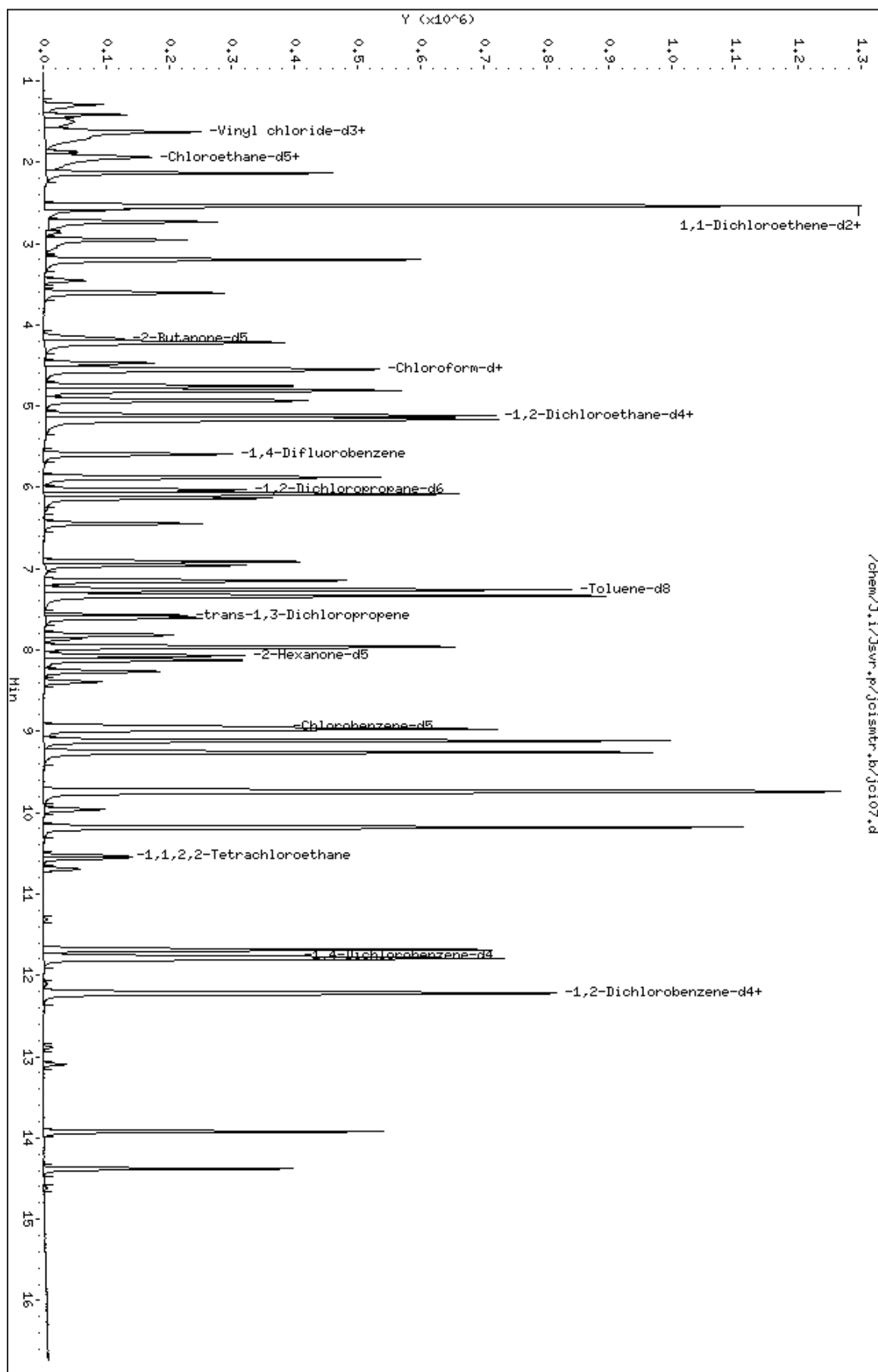
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.215	(1.038)	188018	250.000	250
64 1,2-Dichlorobenzene	146	12.233	12.233	(1.040)	298575	250.000	260
65 1,2-Dibromo-3-chloropropane	75	13.097	13.097	(1.113)	9100	250.000	250(Q)
66 1,2,4-Trichlorobenzene	180	13.924	13.924	(1.184)	188356	250.000	280
67 1,2,3-Trichlorobenzene	180	14.381	14.381	(1.222)	131704	250.000	280

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jswr.p/joismtr.b/joi07.d
Date : 14-JAN-2011 12:55
Client ID: WSTD010JT
Sample Info: IC
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.20



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcismtr.b/jci08.d
 Lab Smp Id: IC Client Smp ID: VSTD020JT
 Inj Date : 14-JAN-2011 13:20
 Operator : JH2 Inst ID: J.i
 Smp Info : IC
 Misc Info : 1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/jcismtr.b/somtr5t.m
 Meth Date : 14-Jan-2011 14:01 jh2 Quant Type: ISTD
 Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
 Als bottle: 22 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.417	1.416	(0.253)	526097	500.000	470
2 Chloromethane	50		1.611	1.617	(0.288)	456511	500.000	470
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	420078	500.000	480
4 Vinyl chloride	62		1.630	1.629	(0.292)	460054	500.000	470
5 Bromomethane	94		1.867	1.873	(0.334)	273486	500.000	500(A)
\$ 6 Chloroethane-d5	69		1.922	1.927	(0.344)	356196	500.000	490
7 Chloroethane	64		1.940	1.946	(0.347)	285565	500.000	490
8 Trichlorofluoromethane	101		2.134	2.134	(0.382)	738499	500.000	490
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.536	(0.453)	819812	500.000	510(A)
10 1,1-Dichloroethene	96		2.542	2.542	(0.455)	369946	500.000	500
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.536	2.536	(0.454)	433905	500.000	490
12 Acetone	43		2.585	2.584	(0.462)	208476	5000.00	4400
13 Carbon disulfide	76		2.731	2.737	(0.488)	1046173	500.000	460
14 Methyl acetate	43		2.858	2.864	(0.511)	50665	500.000	440
15 Methylene chloride	84		2.956	2.956	(0.529)	289506	500.000	480

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.199	3.205	(0.572)	373232	500.000	480
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	455576	500.000	530(A)
18 1,1-Dichloroethane	63	3.607	3.607	(0.645)	597770	500.000	480
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	312251	5000.00	5000
20 cis-1,2-Dichloroethene	96	4.215	4.215	(0.754)	364585	500.000	500(A)
21 2-Butanone	43	4.233	4.239	(0.757)	306881	5000.00	5100(A)
22 Bromochloromethane	128	4.471	4.476	(0.800)	125282	500.000	490
\$ 23 Chloroform-d	84	4.537	4.537	(0.812)	643526	500.000	490
24 Chloroform	83	4.562	4.562	(0.816)	619503	500.000	500(A)
25 1,1,1-Trichloroethane	97	4.750	4.756	(0.531)	637557	500.000	510(A)
26 Cyclohexane	56	4.805	4.811	(0.537)	614778	500.000	500
27 Carbon tetrachloride	117	4.933	4.933	(0.552)	613192	500.000	520(A)
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	218633	500.000	470
\$ 29 Benzene-d6	84	5.122	5.121	(0.573)	1438430	500.000	510(A)
30 Benzene	78	5.164	5.164	(0.578)	1485138	500.000	510(A)
31 1,2-Dichloroethane	62	5.188	5.188	(0.928)	266893	500.000	500(A)
* 32 1,4-Difluorobenzene	114	5.590	5.596	(1.000)	319980	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	381882	500.000	480
\$ 34 1,2-Dichloropropane-d6	67	6.028	6.034	(0.674)	378473	500.000	530(A)
35 Methylcyclohexane	55	6.083	6.083	(0.680)	479367	500.000	540(A)
36 1,2-Dichloropropane	63	6.131	6.131	(0.686)	287494	500.000	500(A)
37 Bromodichloromethane	83	6.448	6.448	(0.721)	370302	500.000	510(A)
38 cis-1,3-Dichloropropene	75	6.959	6.959	(0.778)	435212	500.000	540(A)
39 4-Methyl-2-pentanone	43	7.147	7.147	(0.799)	761705	5000.00	5600(A)
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	1396604	500.000	530(A)
41 Toluene	91	7.336	7.336	(0.820)	1656327	500.000	520(A)
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	285501	500.000	570(A)
43 trans-1,3-Dichloropropene	75	7.604	7.603	(0.850)	324288	500.000	570(A)
44 1,1,2-Trichloroethane	97	7.817	7.816	(0.874)	155203	500.000	460
45 Tetrachloroethene	164	7.963	7.962	(0.890)	372822	500.000	510(A)
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	276795	5000.00	5800(A)
47 2-Hexanone	43	8.121	8.127	(0.908)	520084	5000.00	6000(A)
48 Dibromochloromethane	129	8.267	8.267	(0.924)	230804	500.000	540(A)
49 1,2-Dibromoethane	107	8.388	8.394	(0.938)	146329	500.000	530(A)
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	264006	125.000	
51 Chlorobenzene	112	8.972	8.978	(1.003)	976228	500.000	510(A)
52 Ethylbenzene	91	9.118	9.118	(1.020)	1911568	500.000	550(A)
53 m,p-Xylene	106	9.258	9.258	(1.035)	760795	500.000	520(A)
54 Styrene	104	9.751	9.751	(1.090)	1103681	500.000	570(A)
55 o-Xylene	106	9.733	9.733	(1.088)	702749	500.000	530(A)
56 Bromoform	173	9.964	9.964	(0.847)	119801	500.000	570(A)
57 Isopropylbenzene	105	10.183	10.183	(1.139)	1992904	500.000	560(A)
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	143516	500.000	510(A)
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	140208	500.000	530(A)
60 1,3-Dichlorobenzene	146	11.686	11.685	(0.993)	780713	500.000	530(A)
* 61 1,4-Dichlorobenzene-d4	152	11.765	11.771	(1.000)	130147	125.000	(Q)
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.003)	765157	500.000	510(A)

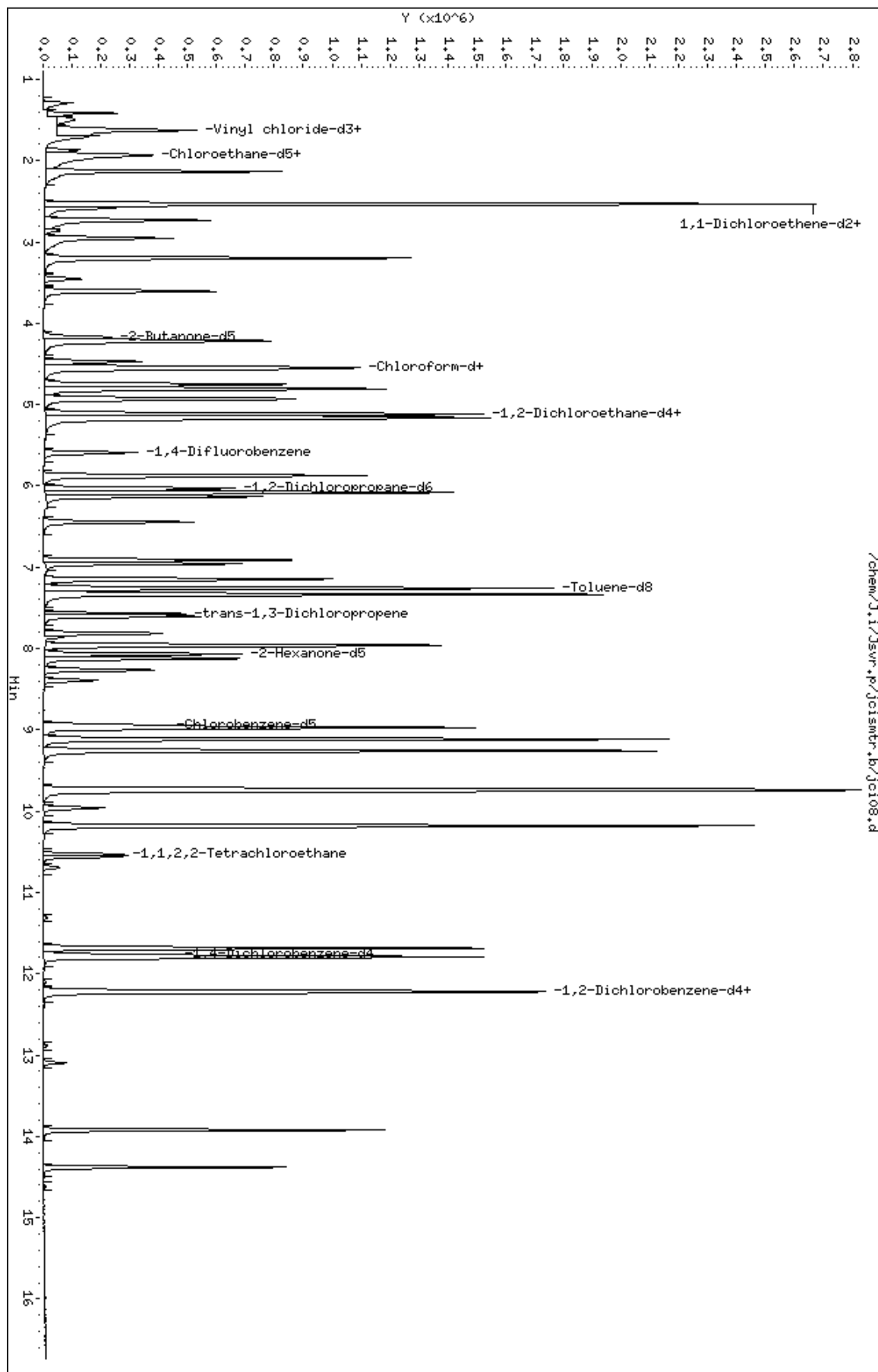
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.215	(1.038)	390671	500.000	510(A)
64 1,2-Dichlorobenzene	146	12.233	12.233	(1.040)	622013	500.000	520(A)
65 1,2-Dibromo-3-chloropropane	75	13.097	13.097	(1.113)	20905	500.000	540(A)
66 1,2,4-Trichlorobenzene	180	13.924	13.924	(1.184)	393509	500.000	550(A)
67 1,2,3-Trichlorobenzene	180	14.381	14.381	(1.222)	275384	500.000	540(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jswr.p/joismtr.b/joi08.d
Date: 14-JAN-2011 13:20
Client ID: WSTD020JT
Sample Info: IC
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.20



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: CCVIS 200-12583/3 Calibration Date: 01/24/2011 08:49
 Instrument ID: J.i Calib Start Date: 01/14/2011 11:39
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 01/14/2011 13:20
 Lab File ID: jcif03.d Conc. Units: ug/L Heated Purge: (Y/N) N
 EPA Sample No.: VSTD005JZ

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4413	0.4508	0.0100	5.10	5.00	2.1	40.0
Chloromethane	Ave	0.3804	0.3706	0.0100	4.90	5.00	-2.6	40.0
Vinyl chloride	Ave	0.3830	0.3860	0.0100	5.00	5.00	0.8	30.0
Bromomethane	Ave	0.2128	0.2456	0.1000	5.80	5.00	15.4	30.0
Chloroethane	Ave	0.2260	0.2361	0.0100	5.20	5.00	4.5	40.0
Trichlorofluoromethane	Ave	0.5862	0.6258	0.0100	5.30	5.00	6.7	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3426	0.3693	0.0100	5.40	5.00	7.8	40.0
1,1-Dichloroethene	Ave	0.2918	0.3015	0.1000	5.20	5.00	3.3	30.0
Acetone	Ave	0.0185	0.0164	0.0100	44.0	50.0	-11.4	40.0
Carbon disulfide	Ave	0.8933	0.8300	0.0100	4.60	5.00	-7.1	40.0
Methyl acetate	Ave	0.0448	0.0453	0.0100	5.10	5.00	1.1	40.0
Methylene chloride	Ave	0.2343	0.2421	0.0100	5.20	5.00	3.3	40.0
Methyl tert-butyl ether	Ave	0.3379	0.3289	0.0100	4.90	5.00	-2.7	40.0
trans-1,2-Dichloroethene	Ave	0.3059	0.3085	0.0100	5.00	5.00	0.8	40.0
1,1-Dichloroethane	Ave	0.4848	0.5003	0.2000	5.20	5.00	3.2	30.0
cis-1,2-Dichloroethene	Ave	0.2832	0.3058	0.0100	5.40	5.00	8.0	40.0
2-Butanone	Ave	0.0235	0.0221	0.0100	47.0	50.0	-6.2	40.0
Bromochloromethane	Ave	0.0994	0.1036	0.0500	5.20	5.00	4.2	30.0
Chloroform	Ave	0.4830	0.5067	0.2000	5.20	5.00	4.9	30.0
1,1,1-Trichloroethane	Ave	0.5955	0.6623	0.1000	5.60	5.00	11.2	30.0
Cyclohexane	Ave	0.5855	0.6103	0.0100	5.20	5.00	4.2	40.0
Carbon tetrachloride	Ave	0.5553	0.6353	0.1000	5.70	5.00	14.4	30.0
Benzene	Ave	1.367	1.454	0.4000	5.30	5.00	6.4	30.0
1,2-Dichloroethane	Ave	0.2077	0.2100	0.1000	5.10	5.00	1.1	30.0
Trichloroethene	Ave	0.3740	0.4071	0.3000	5.40	5.00	8.8	30.0
Methylcyclohexane	Ave	0.4197	0.4561	0.0100	5.40	5.00	8.7	40.0
1,2-Dichloropropane	Ave	0.2699	0.2661	0.0100	4.90	5.00	-1.4	40.0
Bromodichloromethane	Ave	0.3427	0.3751	0.2000	5.50	5.00	9.5	30.0
cis-1,3-Dichloropropene	Ave	0.3784	0.4092	0.2000	5.40	5.00	8.2	30.0
4-Methyl-2-pentanone	Ave	0.0646	0.0638	0.0100	49.0	50.0	-1.3	40.0
Toluene	Ave	1.506	1.626	0.4000	5.40	5.00	7.9	30.0
trans-1,3-Dichloropropene	Ave	0.2708	0.2947	0.1000	5.40	5.00	8.8	30.0
1,1,2-Trichloroethane	Ave	0.1596	0.1497	0.1000	4.70	5.00	-6.2	30.0
Tetrachloroethene	Ave	0.3436	0.3931	0.1000	5.70	5.00	14.4	30.0
2-Hexanone	Ave	0.0411	0.0431	0.0100	52.0	50.0	4.9	40.0
Dibromochloromethane	Ave	0.2011	0.2109	0.1000	5.20	5.00	4.9	30.0
1,2-Dibromoethane	Ave	0.1313	0.1306	0.0100	5.00	5.00	-0.5	40.0
Chlorobenzene	Ave	0.9029	0.9762	0.5000	5.40	5.00	8.1	30.0
Ethylbenzene	Ave	1.654	1.856	0.1000	5.60	5.00	12.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: CCVIS 200-12583/3 Calibration Date: 01/24/2011 08:49
 Instrument ID: J.i Calib Start Date: 01/14/2011 11:39
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 01/14/2011 13:20
 Lab File ID: jcif03.d Conc. Units: ug/L Heated Purge: (Y/N) N
 EPA Sample No.: VSTD005JZ

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
m,p-Xylene	Ave	0.6895	0.7424	0.3000	5.40	5.00	7.7	30.0
o-Xylene	Ave	0.6232	0.6822	0.3000	5.50	5.00	9.5	30.0
Styrene	Ave	0.9141	1.010	0.3000	5.50	5.00	10.5	30.0
Bromoform	Ave	0.2019	0.2080	0.0500	5.20	5.00	3.0	30.0
Isopropylbenzene	Ave	1.685	1.916	0.0100	5.70	5.00	13.8	40.0
1,1,2,2-Tetrachloroethane	Ave	0.1248	0.1302	0.1000	5.20	5.00	4.3	30.0
1,3-Dichlorobenzene	Ave	1.426	1.492	0.4000	5.20	5.00	4.7	30.0
1,4-Dichlorobenzene	Ave	1.444	1.443	0.4000	5.00	5.00	-0.0	30.0
1,2-Dichlorobenzene	Ave	1.157	1.190	0.4000	5.10	5.00	2.8	30.0
1,2-Dibromo-3-chloropropane	Ave	0.0372	0.0350	0.0100	4.70	5.00	-6.0	40.0
1,2,4-Trichlorobenzene	Ave	0.6833	0.6941	0.2000	5.10	5.00	1.6	30.0
1,2,3-Trichlorobenzene	Ave	0.4880	0.4968	0.2000	5.10	5.00	1.8	30.0
Vinyl chloride-d3	Ave	0.3432	0.3539	0.0100	5.20	5.00	3.1	30.0
Chloroethane-d5	Ave	0.2838	0.2960	0.0100	5.20	5.00	4.3	40.0
1,1-Dichloroethene-d2	Ave	0.6232	0.6578	0.0100	5.30	5.00	5.6	30.0
2-Butanone-d5	Ave	0.0245	0.0232	0.0100	47.0	50.0	-5.5	40.0
Chloroform-d	Ave	0.5175	0.5408	0.0100	5.20	5.00	4.5	30.0
1,2-Dichloroethane-d4	Ave	0.1817	0.1697	0.0100	4.70	5.00	-6.6	30.0
Benzene-d6	Ave	1.341	1.451	0.0100	5.40	5.00	8.2	30.0
1,2-Dichloropropane-d6	Ave	0.3393	0.3751	0.0100	5.50	5.00	10.6	40.0
Toluene-d8	Ave	1.257	1.385	0.0100	5.50	5.00	10.2	30.0
trans-1,3-Dichloropropene-d4	Ave	0.2391	0.2580	0.0100	5.40	5.00	7.9	30.0
2-Hexanone-d5	Ave	0.0225	0.0224	0.0100	50.0	50.0	-0.3	40.0
1,1,2,2-Tetrachloroethane-d2	Ave	0.1340	0.1306	0.0100	4.90	5.00	-2.6	30.0
1,2-Dichlorobenzene-d4	Ave	0.7422	0.7523	0.0100	5.10	5.00	1.4	30.0

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcifsmttr.b/jcif03.d
Lab Smp Id: CCVIS Client Smp ID: VSTD005JZ
Inj Date : 24-JAN-2011 08:49
Operator : JH2 Inst ID: J.i
Smp Info : CCVIS
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

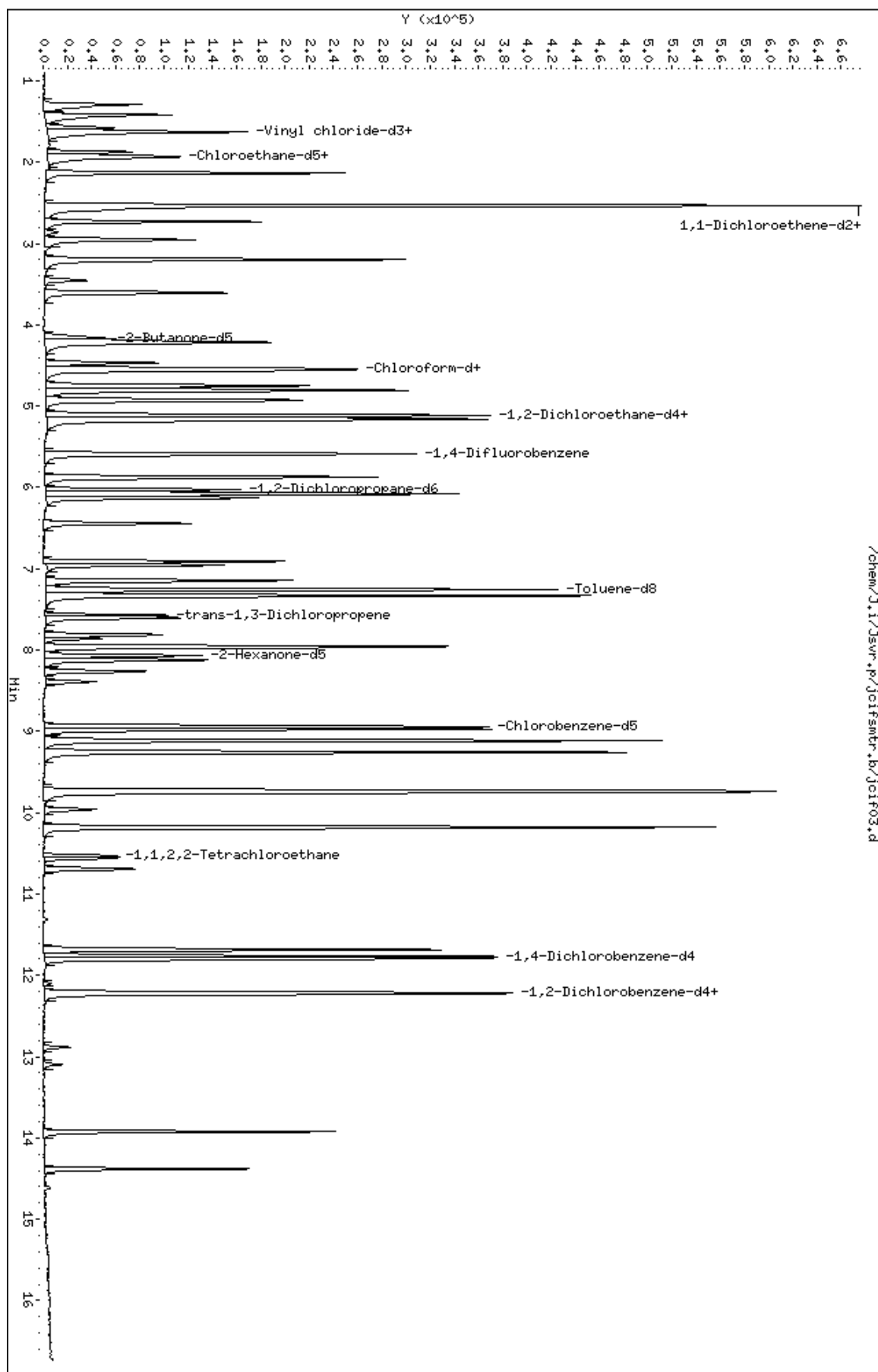
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.416	1.416	(0.253)	138013	125.000	130
2 Chloromethane	50		1.581	1.581	(0.283)	113461	125.000	120
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	108345	125.000	130
4 Vinyl chloride	62		1.629	1.629	(0.291)	118181	125.000	130
5 Bromomethane	94		1.873	1.873	(0.335)	75190	125.000	140
\$ 6 Chloroethane-d5	69		1.921	1.921	(0.344)	90632	125.000	130
7 Chloroethane	64		1.946	1.946	(0.348)	72292	125.000	130
8 Trichlorofluoromethane	101		2.134	2.134	(0.382)	191588	125.000	130
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.530	(0.453)	201394	125.000	130
10 1,1-Dichloroethene	96		2.542	2.542	(0.455)	92305	125.000	130
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.536	2.536	(0.454)	113073	125.000	130
12 Acetone	43		2.585	2.585	(0.462)	50153	1250.00	1100
13 Carbon disulfide	76		2.731	2.731	(0.488)	254126	125.000	120
14 Methyl acetate	43		2.864	2.864	(0.512)	13871	125.000	130
15 Methylene chloride	84		2.956	2.956	(0.529)	74122	125.000	130

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.199	3.199	(0.572)	94440	125.000	130
17 Methyl tert-butyl ether	73	3.193	3.193	(0.571)	100692	125.000	120
18 1,1-Dichloroethane	63	3.607	3.607	(0.645)	153164	125.000	130
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	70891	1250.00	1200
20 cis-1,2-Dichloroethene	96	4.215	4.215	(0.754)	93641	125.000	140
21 2-Butanone	43	4.233	4.233	(0.757)	67561	1250.00	1200
22 Bromochloromethane	128	4.470	4.470	(0.800)	31717	125.000	130
\$ 23 Chloroform-d	84	4.537	4.537	(0.812)	165576	125.000	130
24 Chloroform	83	4.556	4.556	(0.815)	155151	125.000	130
25 1,1,1-Trichloroethane	97	4.750	4.750	(0.531)	161454	125.000	140
26 Cyclohexane	56	4.805	4.805	(0.537)	148768	125.000	130
27 Carbon tetrachloride	117	4.927	4.927	(0.551)	154862	125.000	140
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	51961	125.000	120
\$ 29 Benzene-d6	84	5.115	5.115	(0.572)	353615	125.000	140
30 Benzene	78	5.158	5.158	(0.577)	354513	125.000	130
31 1,2-Dichloroethane	62	5.182	5.182	(0.927)	64299	125.000	130
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	306175	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	99240	125.000	140
\$ 34 1,2-Dichloropropane-d6	67	6.028	6.028	(0.674)	91449	125.000	140
35 Methylcyclohexane	55	6.076	6.076	(0.680)	111193	125.000	140
36 1,2-Dichloropropane	63	6.125	6.125	(0.685)	64866	125.000	120
37 Bromodichloromethane	83	6.441	6.441	(0.720)	91432	125.000	140
38 cis-1,3-Dichloropropene	75	6.959	6.959	(0.778)	99760	125.000	140
39 4-Methyl-2-pentanone	43	7.147	7.147	(0.799)	155484	1250.00	1200
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	337648	125.000	140
41 Toluene	91	7.330	7.330	(0.820)	396279	125.000	130
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	62899	125.000	130
43 trans-1,3-Dichloropropene	75	7.603	7.603	(0.850)	71830	125.000	140
44 1,1,2-Trichloroethane	97	7.810	7.810	(0.873)	36500	125.000	120
45 Tetrachloroethene	164	7.962	7.962	(0.890)	95836	125.000	140
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	54694	1250.00	1200
47 2-Hexanone	43	8.121	8.121	(0.908)	105132	1250.00	1300
48 Dibromochloromethane	129	8.261	8.261	(0.924)	51405	125.000	130
49 1,2-Dibromoethane	107	8.388	8.388	(0.938)	31840	125.000	120
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	243774	125.000	
51 Chlorobenzene	112	8.972	8.972	(1.003)	237981	125.000	140
52 Ethylbenzene	91	9.112	9.112	(1.019)	452356	125.000	140
53 m,p-Xylene	106	9.258	9.258	(1.035)	180976	125.000	130
54 Styrene	104	9.751	9.751	(1.090)	246137	125.000	140
55 o-Xylene	106	9.727	9.727	(1.088)	166312	125.000	140
56 Bromoform	173	9.964	9.964	(0.847)	25136	125.000	130
57 Isopropylbenzene	105	10.183	10.183	(1.139)	467127	125.000	140
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	31828	125.000	120
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	31727	125.000	130
60 1,3-Dichlorobenzene	146	11.686	11.686	(0.993)	180261	125.000	130
* 61 1,4-Dichlorobenzene-d4	152	11.765	11.765	(1.000)	120826	125.000	
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.003)	174378	125.000	120

						AMOUNTS	
		QUANT	SIG				
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	
=====		====	==	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	12.209	12.209	(1.038)	90895	125.000 130
64 1,2-Dichlorobenzene		146	12.233	12.233	(1.040)	143736	125.000 130
65 1,2-Dibromo-3-chloropropane		75	13.097	13.097	(1.113)	4225	125.000 120
66 1,2,4-Trichlorobenzene		180	13.924	13.924	(1.184)	83865	125.000 130
67 1,2,3-Trichlorobenzene		180	14.387	14.387	(1.223)	60024	125.000 130

Data File: /chem/J.i/Jswr.p/joifsmtf.b/joif03.d
 Date : 24-JAN-2011 08:49
 Client ID: WSTD00532
 Sample Info: CCVIS
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

Lab Sample ID: CCVC 200-12583/16 Calibration Date: 01/24/2011 14:43

Instrument ID: J.i Calib Start Date: 01/14/2011 11:39

GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 01/14/2011 13:20

Lab File ID: jcif16.d Conc. Units: ug/L Heated Purge: (Y/N) N

EPA Sample No.: VSTD005ZJ

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4413	0.4469	0.0100	5.10	5.00	1.3	50.0
Chloromethane	Ave	0.3804	0.3837	0.0100	5.00	5.00	0.9	50.0
Vinyl chloride	Ave	0.3830	0.3897	0.0100	5.10	5.00	1.7	50.0
Bromomethane	Ave	0.2128	0.2290	0.0100	5.40	5.00	7.6	50.0
Chloroethane	Ave	0.2260	0.2331	0.0100	5.20	5.00	3.1	50.0
Trichlorofluoromethane	Ave	0.5862	0.6188	0.0100	5.30	5.00	5.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3426	0.3712	0.0100	5.40	5.00	8.3	50.0
1,1-Dichloroethene	Ave	0.2918	0.3094	0.0100	5.30	5.00	6.1	50.0
Acetone	Ave	0.0185	0.0175	0.0100	47.0	50.0	-5.1	50.0
Carbon disulfide	Ave	0.8933	0.8312	0.0100	4.70	5.00	-7.0	50.0
Methyl acetate	Ave	0.0448	0.0417	0.0100	4.60	5.00	-7.0	50.0
Methylene chloride	Ave	0.2343	0.2400	0.0100	5.10	5.00	2.4	50.0
Methyl tert-butyl ether	Ave	0.3379	0.3327	0.0100	4.90	5.00	-1.5	50.0
trans-1,2-Dichloroethene	Ave	0.3059	0.3118	0.0100	5.10	5.00	1.9	50.0
1,1-Dichloroethane	Ave	0.4848	0.5078	0.0100	5.20	5.00	4.7	50.0
cis-1,2-Dichloroethene	Ave	0.2832	0.2949	0.0100	5.20	5.00	4.1	50.0
2-Butanone	Ave	0.0235	0.0208	0.0100	44.0	50.0	-11.5	50.0
Bromochloromethane	Ave	0.0994	0.0999	0.0100	5.00	5.00	0.5	50.0
Chloroform	Ave	0.4830	0.5055	0.0100	5.20	5.00	4.7	50.0
1,1,1-Trichloroethane	Ave	0.5955	0.6694	0.0100	5.60	5.00	12.4	50.0
Cyclohexane	Ave	0.5855	0.6357	0.0100	5.40	5.00	8.6	50.0
Carbon tetrachloride	Ave	0.5553	0.6418	0.0100	5.80	5.00	15.6	50.0
Benzene	Ave	1.367	1.470	0.0100	5.40	5.00	7.6	50.0
1,2-Dichloroethane	Ave	0.2077	0.2218	0.0100	5.30	5.00	6.8	50.0
Trichloroethene	Ave	0.3740	0.4073	0.0100	5.40	5.00	8.9	50.0
Methylcyclohexane	Ave	0.4197	0.4757	0.0100	5.70	5.00	13.3	50.0
1,2-Dichloropropane	Ave	0.2699	0.2789	0.0100	5.20	5.00	3.4	50.0
Bromodichloromethane	Ave	0.3427	0.3561	0.0100	5.20	5.00	3.9	50.0
cis-1,3-Dichloropropene	Ave	0.3784	0.4062	0.0100	5.40	5.00	7.3	50.0
4-Methyl-2-pentanone	Ave	0.0646	0.0651	0.0100	50.0	50.0	0.8	50.0
Toluene	Ave	1.506	1.637	0.0100	5.40	5.00	8.7	50.0
trans-1,3-Dichloropropene	Ave	0.2708	0.2923	0.0100	5.40	5.00	7.9	50.0
1,1,2-Trichloroethane	Ave	0.1596	0.1550	0.0100	4.90	5.00	-2.9	50.0
Tetrachloroethene	Ave	0.3436	0.3843	0.0100	5.60	5.00	11.8	50.0
2-Hexanone	Ave	0.0411	0.0426	0.0100	52.0	50.0	3.6	50.0
Dibromochloromethane	Ave	0.2011	0.2038	0.0100	5.10	5.00	1.4	50.0
1,2-Dibromoethane	Ave	0.1313	0.1348	0.0100	5.10	5.00	2.6	50.0
Chlorobenzene	Ave	0.9029	0.9712	0.0100	5.40	5.00	7.6	50.0
Ethylbenzene	Ave	1.654	1.863	0.0100	5.60	5.00	12.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: CCVC 200-12583/16 Calibration Date: 01/24/2011 14:43
 Instrument ID: J.i Calib Start Date: 01/14/2011 11:39
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 01/14/2011 13:20
 Lab File ID: jcif16.d Conc. Units: ug/L Heated Purge: (Y/N) N
 EPA Sample No.: VSTD005ZJ

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
m,p-Xylene	Ave	0.6895	0.7560	0.0100	5.50	5.00	9.6	50.0
o-Xylene	Ave	0.6232	0.6957	0.0100	5.60	5.00	11.6	50.0
Styrene	Ave	0.9141	0.9743	0.0100	5.30	5.00	6.6	50.0
Bromoform	Ave	0.2019	0.1955	0.0100	4.80	5.00	-3.2	50.0
Isopropylbenzene	Ave	1.685	1.942	0.0100	5.80	5.00	15.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.1248	0.1307	0.0100	5.20	5.00	4.7	50.0
1,3-Dichlorobenzene	Ave	1.426	1.535	0.0100	5.40	5.00	7.7	50.0
1,4-Dichlorobenzene	Ave	1.444	1.477	0.0100	5.10	5.00	2.3	50.0
1,2-Dichlorobenzene	Ave	1.157	1.212	0.0100	5.20	5.00	4.7	50.0
1,2-Dibromo-3-chloropropane	Ave	0.0372	0.0346	0.0100	4.70	5.00	-7.0	50.0
1,2,4-Trichlorobenzene	Ave	0.6833	0.6878	0.0100	5.00	5.00	0.7	50.0
1,2,3-Trichlorobenzene	Ave	0.4880	0.4846	0.0100	5.00	5.00	-0.7	50.0
Vinyl chloride-d3	Ave	0.3432	0.3508	0.0100	5.10	5.00	2.2	50.0
Chloroethane-d5	Ave	0.2838	0.2908	0.0100	5.10	5.00	2.5	50.0
1,1-Dichloroethene-d2	Ave	0.6232	0.6766	0.0100	5.40	5.00	8.6	50.0
2-Butanone-d5	Ave	0.0245	0.0216	0.0100	44.0	50.0	-11.7	50.0
Chloroform-d	Ave	0.5175	0.5345	0.0100	5.20	5.00	3.3	50.0
1,2-Dichloroethane-d4	Ave	0.1817	0.1710	0.0100	4.70	5.00	-5.9	50.0
Benzene-d6	Ave	1.341	1.444	0.0100	5.40	5.00	7.7	50.0
1,2-Dichloropropane-d6	Ave	0.3393	0.3781	0.0100	5.60	5.00	11.4	50.0
Toluene-d8	Ave	1.257	1.408	0.0100	5.60	5.00	12.0	50.0
trans-1,3-Dichloropropene-d4	Ave	0.2391	0.2579	0.0100	5.40	5.00	7.9	50.0
2-Hexanone-d5	Ave	0.0225	0.0230	0.0100	51.0	50.0	2.4	50.0
1,1,2,2-Tetrachloroethane-d2	Ave	0.1340	0.1342	0.0100	5.00	5.00	0.2	50.0
1,2-Dichlorobenzene-d4	Ave	0.7422	0.7413	0.0100	5.00	5.00	-0.1	50.0

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcifsmttr.b/jcif16.d
 Lab Smp Id: CCVC Client Smp ID: VSTD005ZJ
 Inj Date : 24-JAN-2011 14:43
 Operator : JH2 Inst ID: J.i
 Smp Info : CCVC
 Misc Info : 1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
 Meth Date : 25-Jan-2011 07:14 jh2 Quant Type: ISTD
 Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
 Als bottle: 17 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50
 Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

						AMOUNTS		
		QUANT	SIG			CAL -AMT	ON -COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
=====		====	==	=====	=====	=====	=====	=====
	1 Dichlorodifluoromethane	85	1.417	1.416	(0.253)	135468	125.000	130
	2 Chloromethane	50	1.593	1.581	(0.285)	116305	125.000	130
\$	3 Vinyl chloride-d3	65	1.624	1.623	(0.290)	106352	125.000	130
	4 Vinyl chloride	62	1.630	1.629	(0.292)	118140	125.000	130
	5 Bromomethane	94	1.873	1.873	(0.335)	69425	125.000	130
\$	6 Chloroethane-d5	69	1.922	1.921	(0.344)	88165	125.000	130
	7 Chloroethane	64	1.946	1.946	(0.348)	70670	125.000	130
	8 Trichlorofluoromethane	101	2.135	2.134	(0.382)	187590	125.000	130
\$	9 1,1-Dichloroethene-d2	63	2.530	2.530	(0.453)	205098	125.000	140
	10 1,1-Dichloroethene	96	2.542	2.542	(0.455)	93802	125.000	130
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.536	2.536	(0.454)	112526	125.000	140
	12 Acetone	43	2.585	2.585	(0.462)	53178	1250.00	1200
	13 Carbon disulfide	76	2.731	2.731	(0.488)	251978	125.000	120
	14 Methyl acetate	43	2.865	2.864	(0.512)	12636	125.000	120
	15 Methylene chloride	84	2.956	2.956	(0.529)	72765	125.000	130

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.199	3.199	(0.572)	94525	125.000	130
17 Methyl tert-butyl ether	73	3.193	3.193	(0.571)	100859	125.000	120
18 1,1-Dichloroethane	63	3.607	3.607	(0.645)	153936	125.000	130
\$ 19 2-Butanone-d5	46	4.173	4.172	(0.746)	65611	1250.00	1100
20 cis-1,2-Dichloroethene	96	4.215	4.215	(0.754)	89390	125.000	130
21 2-Butanone	43	4.233	4.233	(0.757)	63111	1250.00	1100
22 Bromochloromethane	128	4.471	4.470	(0.800)	30295	125.000	130
\$ 23 Chloroform-d	84	4.538	4.537	(0.812)	162035	125.000	130
24 Chloroform	83	4.556	4.556	(0.815)	153248	125.000	130
25 1,1,1-Trichloroethane	97	4.750	4.750	(0.531)	161980	125.000	140
26 Cyclohexane	56	4.805	4.805	(0.537)	153825	125.000	140
27 Carbon tetrachloride	117	4.927	4.927	(0.551)	155303	125.000	140
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	51852	125.000	120
\$ 29 Benzene-d6	84	5.115	5.115	(0.572)	349430	125.000	130
30 Benzene	78	5.158	5.158	(0.577)	355666	125.000	130
31 1,2-Dichloroethane	62	5.182	5.182	(0.927)	67243	125.000	130
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	303153	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	98549	125.000	140
\$ 34 1,2-Dichloropropane-d6	67	6.028	6.028	(0.674)	91483	125.000	140
35 Methylcyclohexane	55	6.077	6.076	(0.680)	115098	125.000	140
36 1,2-Dichloropropane	63	6.125	6.125	(0.685)	67494	125.000	130
37 Bromodichloromethane	83	6.442	6.441	(0.720)	86165	125.000	130
38 cis-1,3-Dichloropropene	75	6.953	6.959	(0.778)	98279	125.000	130
39 4-Methyl-2-pentanone	43	7.147	7.147	(0.799)	157619	1250.00	1300
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	340702	125.000	140
41 Toluene	91	7.330	7.330	(0.820)	395997	125.000	140
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	62395	125.000	130
43 trans-1,3-Dichloropropene	75	7.604	7.603	(0.850)	70724	125.000	130
44 1,1,2-Trichloroethane	97	7.817	7.810	(0.874)	37497	125.000	120
45 Tetrachloroethene	164	7.963	7.962	(0.890)	92983	125.000	140
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	55744	1250.00	1300
47 2-Hexanone	43	8.121	8.121	(0.908)	103085	1250.00	1300
48 Dibromochloromethane	129	8.267	8.261	(0.924)	49310	125.000	130
49 1,2-Dibromoethane	107	8.388	8.388	(0.938)	32606	125.000	130
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	241965	125.000	
51 Chlorobenzene	112	8.972	8.972	(1.003)	234991	125.000	130
52 Ethylbenzene	91	9.112	9.112	(1.019)	450679	125.000	140
53 m,p-Xylene	106	9.258	9.258	(1.035)	182916	125.000	140
54 Styrene	104	9.751	9.751	(1.090)	235740	125.000	130
55 o-Xylene	106	9.727	9.727	(1.088)	168327	125.000	140
56 Bromoform	173	9.964	9.964	(0.847)	23368	125.000	120
57 Isopropylbenzene	105	10.183	10.183	(1.139)	469915	125.000	140
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	32481	125.000	130
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	31615	125.000	130
60 1,3-Dichlorobenzene	146	11.686	11.686	(0.993)	183434	125.000	130
* 61 1,4-Dichlorobenzene-d4	152	11.765	11.765	(1.000)	119515	125.000	
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.003)	176470	125.000	130

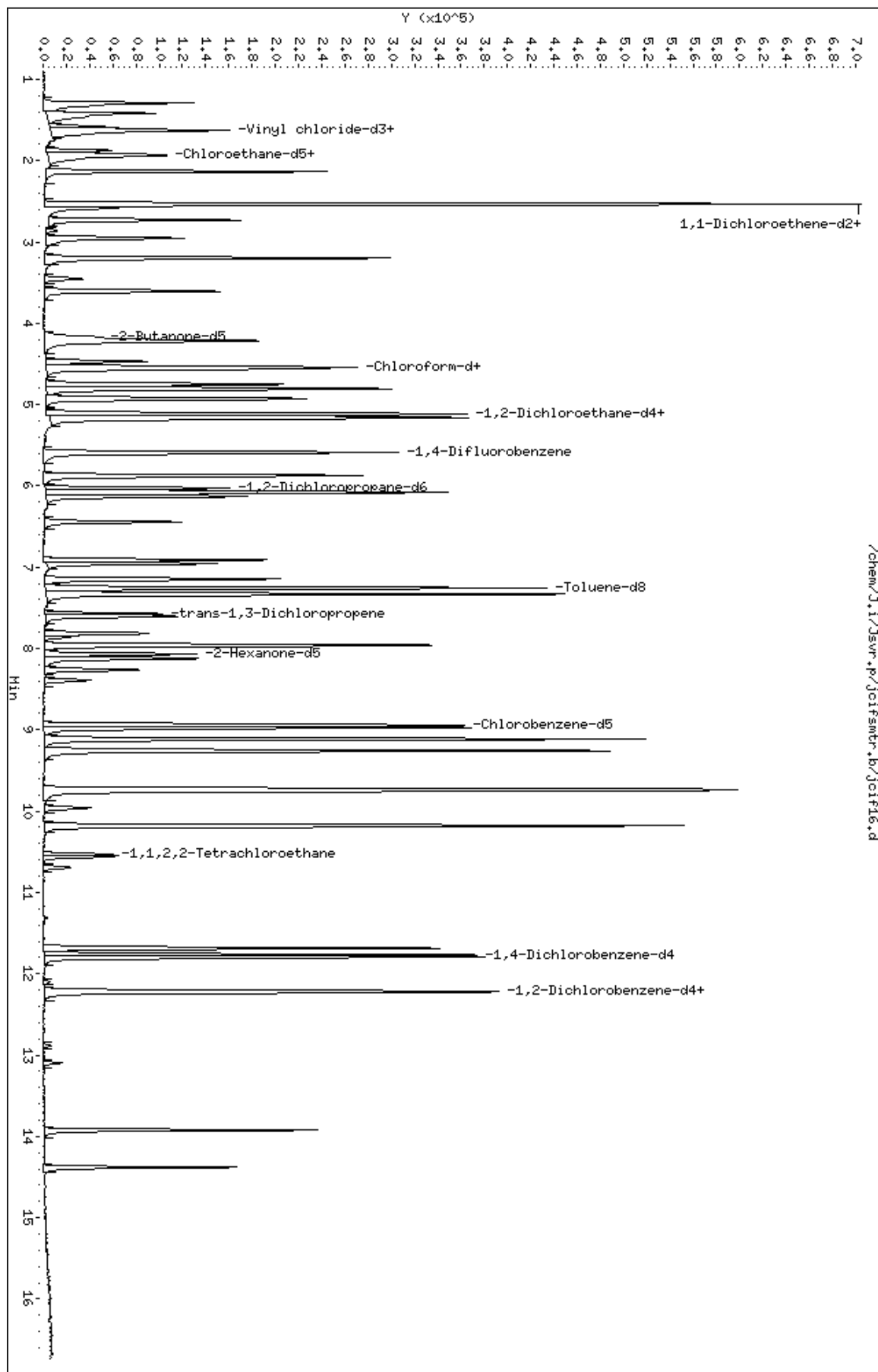
Compounds						AMOUNTS	
	QUANT	SIG				CAL-AMT	ON-COL
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.209	(1.038)	88592	125.000	120
64 1,2-Dichlorobenzene	146	12.233	12.233	(1.040)	144824	125.000	130
65 1,2-Dibromo-3-chloropropane	75	13.097	13.097	(1.113)	4136	125.000	120(Q)
66 1,2,4-Trichlorobenzene	180	13.924	13.924	(1.184)	82198	125.000	130
67 1,2,3-Trichlorobenzene	180	14.381	14.387	(1.222)	57911	125.000	120

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jswr.p/joifsmtf.b/joif16.d
 Date: 24-JAN-2011 14:43
 Client ID: WSTD00523
 Sample Info: CCVC
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: CCVIS 200-12879/3 Calibration Date: 01/28/2011 16:05
 Instrument ID: J.i Calib Start Date: 01/14/2011 11:39
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 01/14/2011 13:20
 Lab File ID: jcim03.d Conc. Units: ug/L Heated Purge: (Y/N) N
 EPA Sample No.: VSTD005JG

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4413	0.4922	0.0100	5.60	5.00	11.5	40.0
Chloromethane	Ave	0.3804	0.4247	0.0100	5.60	5.00	11.6	40.0
Vinyl chloride	Ave	0.3830	0.4162	0.0100	5.40	5.00	8.7	30.0
Bromomethane	Ave	0.2128	0.2636	0.1000	6.20	5.00	23.9	30.0
Chloroethane	Ave	0.2260	0.2554	0.0100	5.60	5.00	13.0	40.0
Trichlorofluoromethane	Ave	0.5862	0.6792	0.0100	5.80	5.00	15.9	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3426	0.4045	0.0100	5.90	5.00	18.1	40.0
1,1-Dichloroethene	Ave	0.2918	0.3429	0.1000	5.90	5.00	17.5	30.0
Acetone	Ave	0.0185	0.0174	0.0100	47.0	50.0	-6.1	40.0
Carbon disulfide	Ave	0.8933	0.8803	0.0100	4.90	5.00	-1.4	40.0
Methyl acetate	Ave	0.0448	0.0379	0.0100	4.20	5.00	-15.6	40.0
Methylene chloride	Ave	0.2343	0.2535	0.0100	5.40	5.00	8.2	40.0
Methyl tert-butyl ether	Ave	0.3379	0.3362	0.0100	5.00	5.00	-0.5	40.0
trans-1,2-Dichloroethene	Ave	0.3059	0.3329	0.0100	5.40	5.00	8.8	40.0
1,1-Dichloroethane	Ave	0.4848	0.5284	0.2000	5.40	5.00	9.0	30.0
cis-1,2-Dichloroethene	Ave	0.2832	0.3221	0.0100	5.70	5.00	13.7	40.0
2-Butanone	Ave	0.0235	0.0220	0.0100	47.0	50.0	-6.7	40.0
Bromochloromethane	Ave	0.0994	0.1082	0.0500	5.40	5.00	8.8	30.0
Chloroform	Ave	0.4830	0.5310	0.2000	5.50	5.00	9.9	30.0
1,1,1-Trichloroethane	Ave	0.5955	0.7298	0.1000	6.10	5.00	22.5	30.0
Cyclohexane	Ave	0.5855	0.6799	0.0100	5.80	5.00	16.1	40.0
Carbon tetrachloride	Ave	0.5553	0.6891	0.1000	6.20	5.00	24.1	30.0
Benzene	Ave	1.367	1.566	0.4000	5.70	5.00	14.6	30.0
1,2-Dichloroethane	Ave	0.2077	0.2147	0.1000	5.20	5.00	3.4	30.0
Trichloroethene	Ave	0.3740	0.4670	0.3000	6.20	5.00	24.9	30.0
Methylcyclohexane	Ave	0.4197	0.4959	0.0100	5.90	5.00	18.1	40.0
1,2-Dichloropropane	Ave	0.2699	0.2860	0.0100	5.30	5.00	6.0	40.0
Bromodichloromethane	Ave	0.3427	0.3746	0.2000	5.50	5.00	9.3	30.0
cis-1,3-Dichloropropene	Ave	0.3784	0.4282	0.2000	5.70	5.00	13.2	30.0
4-Methyl-2-pentanone	Ave	0.0646	0.0657	0.0100	51.0	50.0	1.7	40.0
Toluene	Ave	1.506	1.744	0.4000	5.80	5.00	15.8	30.0
trans-1,3-Dichloropropene	Ave	0.2708	0.3094	0.1000	5.70	5.00	14.2	30.0
1,1,2-Trichloroethane	Ave	0.1596	0.1486	0.1000	4.70	5.00	-6.9	30.0
Tetrachloroethene	Ave	0.3436	0.4163	0.1000	6.10	5.00	21.1	30.0
2-Hexanone	Ave	0.0411	0.0418	0.0100	51.0	50.0	1.5	40.0
Dibromochloromethane	Ave	0.2011	0.2244	0.1000	5.60	5.00	11.6	30.0
1,2-Dibromoethane	Ave	0.1313	0.1441	0.0100	5.50	5.00	9.8	40.0
Chlorobenzene	Ave	0.9029	1.053	0.5000	5.80	5.00	16.7	30.0
Ethylbenzene	Ave	1.654	1.998	0.1000	6.00	5.00	20.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: CCVIS 200-12879/3 Calibration Date: 01/28/2011 16:05
 Instrument ID: J.i Calib Start Date: 01/14/2011 11:39
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 01/14/2011 13:20
 Lab File ID: jcim03.d Conc. Units: ug/L Heated Purge: (Y/N) N
 EPA Sample No.: VSTD005JG

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
m,p-Xylene	Ave	0.6895	0.8125	0.3000	5.90	5.00	17.8	30.0
o-Xylene	Ave	0.6232	0.7379	0.3000	5.90	5.00	18.4	30.0
Styrene	Ave	0.9141	1.049	0.3000	5.70	5.00	14.7	30.0
Bromoform	Ave	0.2019	0.2255	0.0500	5.60	5.00	11.7	30.0
Isopropylbenzene	Ave	1.685	2.091	0.0100	6.20	5.00	24.1	40.0
1,1,2,2-Tetrachloroethane	Ave	0.1248	0.1331	0.1000	5.30	5.00	6.6	30.0
1,3-Dichlorobenzene	Ave	1.426	1.670	0.4000	5.90	5.00	17.2	30.0
1,4-Dichlorobenzene	Ave	1.444	1.686	0.4000	5.80	5.00	16.8	30.0
1,2-Dichlorobenzene	Ave	1.157	1.317	0.4000	5.70	5.00	13.9	30.0
1,2-Dibromo-3-chloropropane	Ave	0.0372	0.0398	0.0100	5.30	5.00	7.0	40.0
1,2,4-Trichlorobenzene	Ave	0.6833	0.7814	0.2000	5.70	5.00	14.4	30.0
1,2,3-Trichlorobenzene	Ave	0.4880	0.5457	0.2000	5.60	5.00	11.8	30.0
Vinyl chloride-d3	Ave	0.3432	0.3837	0.0100	5.60	5.00	11.8	30.0
Chloroethane-d5	Ave	0.2838	0.3144	0.0100	5.50	5.00	10.8	40.0
1,1-Dichloroethene-d2	Ave	0.6232	0.7248	0.0100	5.80	5.00	16.3	30.0
2-Butanone-d5	Ave	0.0245	0.0219	0.0100	45.0	50.0	-10.6	40.0
Chloroform-d	Ave	0.5175	0.5724	0.0100	5.50	5.00	10.6	30.0
1,2-Dichloroethane-d4	Ave	0.1817	0.1787	0.0100	4.90	5.00	-1.6	30.0
Benzene-d6	Ave	1.341	1.541	0.0100	5.70	5.00	14.9	30.0
1,2-Dichloropropane-d6	Ave	0.3393	0.3805	0.0100	5.60	5.00	12.1	40.0
Toluene-d8	Ave	1.257	1.499	0.0100	6.00	5.00	19.2	30.0
trans-1,3-Dichloropropene-d4	Ave	0.2391	0.2668	0.0100	5.60	5.00	11.6	30.0
2-Hexanone-d5	Ave	0.0225	0.0224	0.0100	50.0	50.0	-0.3	40.0
1,1,2,2-Tetrachloroethane-d2	Ave	0.1340	0.1360	0.0100	5.10	5.00	1.5	30.0
1,2-Dichlorobenzene-d4	Ave	0.7422	0.8373	0.0100	5.60	5.00	12.8	30.0

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcimsmt.r.b/jcim03.d
Lab Smp Id: CCVIS Client Smp ID: VSTD005JG
Inj Date : 28-JAN-2011 16:05
Operator : JH2 Inst ID: J.i
Smp Info : CCVIS
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmt.r.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.416	1.416	(0.253)	141999	125.000	140
2 Chloromethane	50		1.587	1.617	(0.284)	122514	125.000	140
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	110692	125.000	140
4 Vinyl chloride	62		1.629	1.629	(0.291)	120062	125.000	140
5 Bromomethane	94		1.873	1.873	(0.335)	76048	125.000	150
\$ 6 Chloroethane-d5	69		1.927	1.927	(0.345)	90714	125.000	140
7 Chloroethane	64		1.946	1.946	(0.348)	73665	125.000	140
8 Trichlorofluoromethane	101		2.134	2.134	(0.382)	195939	125.000	140
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.536	(0.453)	209106	125.000	150
10 1,1-Dichloroethene	96		2.542	2.542	(0.455)	98921	125.000	150
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.536	2.536	(0.454)	116696	125.000	150
12 Acetone	43		2.584	2.584	(0.462)	50085	1250.00	1200
13 Carbon disulfide	76		2.730	2.737	(0.488)	253971	125.000	120
14 Methyl acetate	43		2.864	2.864	(0.512)	10920	125.000	110
15 Methylene chloride	84		2.956	2.956	(0.529)	73134	125.000	140

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.199	3.205	(0.572)	96040	125.000	140
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	96978	125.000	120
18 1,1-Dichloroethane	63	3.607	3.607	(0.645)	152449	125.000	140
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	63176	1250.00	1100
20 cis-1,2-Dichloroethene	96	4.215	4.215	(0.754)	92916	125.000	140
21 2-Butanone	43	4.239	4.239	(0.758)	63320	1250.00	1200
22 Bromochloromethane	128	4.470	4.476	(0.800)	31221	125.000	140
\$ 23 Chloroform-d	84	4.537	4.537	(0.812)	165138	125.000	140
24 Chloroform	83	4.556	4.562	(0.815)	153182	125.000	140
25 1,1,1-Trichloroethane	97	4.750	4.756	(0.531)	166590	125.000	150
26 Cyclohexane	56	4.805	4.811	(0.537)	155211	125.000	150
27 Carbon tetrachloride	117	4.927	4.933	(0.551)	157313	125.000	160
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	51564	125.000	120
\$ 29 Benzene-d6	84	5.115	5.121	(0.572)	351846	125.000	140
30 Benzene	78	5.158	5.164	(0.577)	357462	125.000	140
31 1,2-Dichloroethane	62	5.188	5.188	(0.928)	61941	125.000	130
* 32 1,4-Difluorobenzene	114	5.590	5.596	(1.000)	288491	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	106607	125.000	160
\$ 34 1,2-Dichloropropane-d6	67	6.028	6.034	(0.674)	86860	125.000	140
35 Methylcyclohexane	55	6.083	6.083	(0.680)	113194	125.000	150
36 1,2-Dichloropropane	63	6.131	6.131	(0.686)	65299	125.000	130
37 Bromodichloromethane	83	6.441	6.448	(0.720)	85512	125.000	140
38 cis-1,3-Dichloropropene	75	6.959	6.959	(0.778)	97761	125.000	140
39 4-Methyl-2-pentanone	43	7.147	7.147	(0.799)	150057	1250.00	1300
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	342263	125.000	150
41 Toluene	91	7.336	7.336	(0.820)	398235	125.000	140
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	60910	125.000	140
43 trans-1,3-Dichloropropene	75	7.603	7.603	(0.850)	70621	125.000	140
44 1,1,2-Trichloroethane	97	7.816	7.816	(0.874)	33914	125.000	120
45 Tetrachloroethene	164	7.962	7.962	(0.890)	95024	125.000	150
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	51199	1250.00	1200
47 2-Hexanone	43	8.127	8.127	(0.909)	95305	1250.00	1300
48 Dibromochloromethane	129	8.267	8.267	(0.924)	51216	125.000	140
49 1,2-Dibromoethane	107	8.394	8.394	(0.939)	32891	125.000	140
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	228285	125.000	
51 Chlorobenzene	112	8.972	8.978	(1.003)	240458	125.000	150
52 Ethylbenzene	91	9.112	9.118	(1.019)	456105	125.000	150
53 m,p-Xylene	106	9.258	9.258	(1.035)	185475	125.000	150
54 Styrene	104	9.751	9.751	(1.090)	239409	125.000	140
55 o-Xylene	106	9.733	9.733	(1.088)	168439	125.000	150
56 Bromoform	173	9.964	9.964	(0.846)	24449	125.000	140
57 Isopropylbenzene	105	10.183	10.183	(1.139)	477285	125.000	160
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	31050	125.000	130
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	30380	125.000	130
60 1,3-Dichlorobenzene	146	11.685	11.685	(0.993)	181096	125.000	150
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	108411	125.000	
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.002)	182787	125.000	150

						AMOUNTS	
		QUANT	SIG				
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	
=====		====	==	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4		152	12.215	12.215	(1.038)	90771	125.000 140
64 1,2-Dichlorobenzene		146	12.233	12.233	(1.039)	142803	125.000 140
65 1,2-Dibromo-3-chloropropane		75	13.097	13.097	(1.113)	4314	125.000 130
66 1,2,4-Trichlorobenzene		180	13.924	13.924	(1.183)	84709	125.000 140
67 1,2,3-Trichlorobenzene		180	14.387	14.381	(1.222)	59159	125.000 140

Data File: /chem/J.i/Jswr.p/joimsntr.b/joim03.d

Date: 28-JAN-2011 16:05

Client ID: WSTD005JG

Sample Info: CCVIS

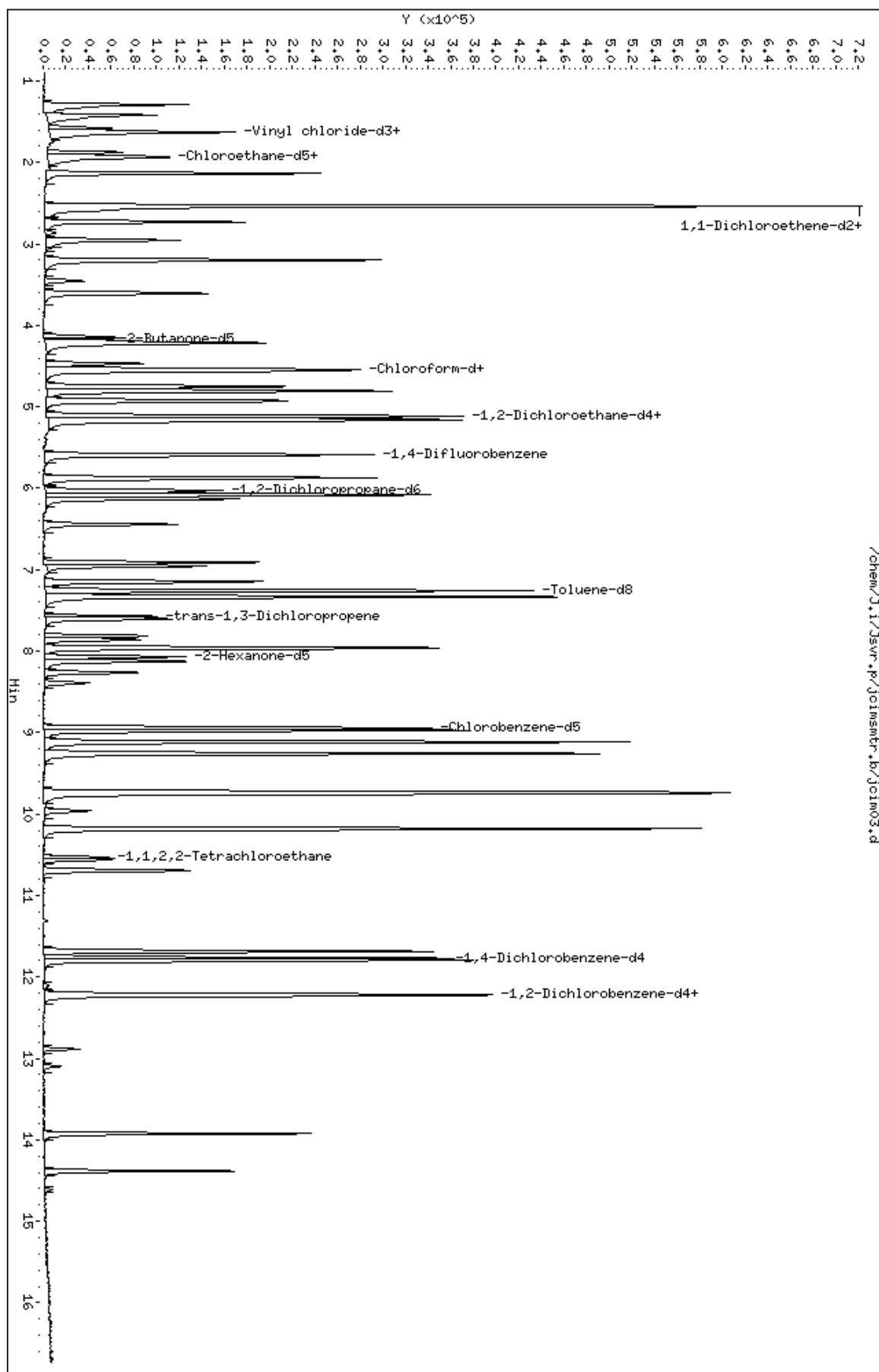
Purge Volume: 25.0

Column phase: DB-624

Instrument: J.i

Operator: JH2

Column diameter: 0.20



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

Lab Sample ID: CCVC 200-12879/25 Calibration Date: 01/29/2011 01:25

Instrument ID: J.i Calib Start Date: 01/14/2011 11:39

GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 01/14/2011 13:20

Lab File ID: jcim25.d Conc. Units: ug/L Heated Purge: (Y/N) N

EPA Sample No.: VSTD005GJ

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4413	0.4431	0.0100	5.00	5.00	0.4	50.0
Chloromethane	Ave	0.3804	0.3859	0.0100	5.10	5.00	1.5	50.0
Vinyl chloride	Ave	0.3830	0.3913	0.0100	5.10	5.00	2.2	50.0
Bromomethane	Ave	0.2128	0.2255	0.0100	5.30	5.00	5.9	50.0
Chloroethane	Ave	0.2260	0.2519	0.0100	5.60	5.00	11.4	50.0
Trichlorofluoromethane	Ave	0.5862	0.6565	0.0100	5.60	5.00	12.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3426	0.3621	0.0100	5.30	5.00	5.7	50.0
1,1-Dichloroethene	Ave	0.2918	0.3203	0.0100	5.50	5.00	9.8	50.0
Acetone	Ave	0.0185	0.0191	0.0100	52.0	50.0	3.1	50.0
Carbon disulfide	Ave	0.8933	0.8199	0.0100	4.60	5.00	-8.2	50.0
Methyl acetate	Ave	0.0448	0.0436	0.0100	4.90	5.00	-2.8	50.0
Methylene chloride	Ave	0.2343	0.2509	0.0100	5.40	5.00	7.1	50.0
Methyl tert-butyl ether	Ave	0.3379	0.3603	0.0100	5.30	5.00	6.6	50.0
trans-1,2-Dichloroethene	Ave	0.3059	0.3084	0.0100	5.00	5.00	0.8	50.0
1,1-Dichloroethane	Ave	0.4848	0.5094	0.0100	5.30	5.00	5.1	50.0
cis-1,2-Dichloroethene	Ave	0.2832	0.2998	0.0100	5.30	5.00	5.9	50.0
2-Butanone	Ave	0.0235	0.0236	0.0100	50.0	50.0	0.2	50.0
Bromochloromethane	Ave	0.0994	0.1137	0.0100	5.70	5.00	14.3	50.0
Chloroform	Ave	0.4830	0.5322	0.0100	5.50	5.00	10.2	50.0
1,1,1-Trichloroethane	Ave	0.5955	0.6833	0.0100	5.70	5.00	14.7	50.0
Cyclohexane	Ave	0.5855	0.6252	0.0100	5.30	5.00	6.8	50.0
Carbon tetrachloride	Ave	0.5553	0.6463	0.0100	5.80	5.00	16.4	50.0
Benzene	Ave	1.367	1.477	0.0100	5.40	5.00	8.1	50.0
1,2-Dichloroethane	Ave	0.2077	0.2180	0.0100	5.20	5.00	5.0	50.0
Trichloroethene	Ave	0.3740	0.3998	0.0100	5.30	5.00	6.9	50.0
Methylcyclohexane	Ave	0.4197	0.4500	0.0100	5.40	5.00	7.2	50.0
1,2-Dichloropropane	Ave	0.2699	0.2782	0.0100	5.20	5.00	3.1	50.0
Bromodichloromethane	Ave	0.3427	0.3816	0.0100	5.60	5.00	11.4	50.0
cis-1,3-Dichloropropene	Ave	0.3784	0.4168	0.0100	5.50	5.00	10.1	50.0
4-Methyl-2-pentanone	Ave	0.0646	0.0693	0.0100	54.0	50.0	7.2	50.0
Toluene	Ave	1.506	1.623	0.0100	5.40	5.00	7.7	50.0
trans-1,3-Dichloropropene	Ave	0.2708	0.2883	0.0100	5.30	5.00	6.5	50.0
1,1,2-Trichloroethane	Ave	0.1596	0.1595	0.0100	5.00	5.00	-0.0	50.0
Tetrachloroethene	Ave	0.3436	0.3636	0.0100	5.30	5.00	5.8	50.0
2-Hexanone	Ave	0.0411	0.0467	0.0100	57.0	50.0	13.4	50.0
Dibromochloromethane	Ave	0.2011	0.2125	0.0100	5.30	5.00	5.7	50.0
1,2-Dibromoethane	Ave	0.1313	0.1399	0.0100	5.30	5.00	6.6	50.0
Chlorobenzene	Ave	0.9029	0.995	0.0100	5.50	5.00	10.2	50.0
Ethylbenzene	Ave	1.654	1.865	0.0100	5.60	5.00	12.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: CCVC 200-12879/25 Calibration Date: 01/29/2011 01:25
 Instrument ID: J.i Calib Start Date: 01/14/2011 11:39
 GC Column: DB-624 ID: 0.20 (mm) Calib End Date: 01/14/2011 13:20
 Lab File ID: jcim25.d Conc. Units: ug/L Heated Purge: (Y/N) N
 EPA Sample No.: VSTD005GJ

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
m,p-Xylene	Ave	0.6895	0.7593	0.0100	5.50	5.00	10.1	50.0
o-Xylene	Ave	0.6232	0.6864	0.0100	5.50	5.00	10.1	50.0
Styrene	Ave	0.9141	1.027	0.0100	5.60	5.00	12.4	50.0
Bromoform	Ave	0.2019	0.2058	0.0100	5.10	5.00	1.9	50.0
Isopropylbenzene	Ave	1.685	1.914	0.0100	5.70	5.00	13.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.1248	0.1387	0.0100	5.60	5.00	11.2	50.0
1,3-Dichlorobenzene	Ave	1.426	1.537	0.0100	5.40	5.00	7.8	50.0
1,4-Dichlorobenzene	Ave	1.444	1.502	0.0100	5.20	5.00	4.0	50.0
1,2-Dichlorobenzene	Ave	1.157	1.245	0.0100	5.40	5.00	7.6	50.0
1,2-Dibromo-3-chloropropane	Ave	0.0372	0.0382	0.0100	5.10	5.00	2.6	50.0
1,2,4-Trichlorobenzene	Ave	0.6833	0.7223	0.0100	5.30	5.00	5.7	50.0
1,2,3-Trichlorobenzene	Ave	0.4880	0.5193	0.0100	5.30	5.00	6.4	50.0
Vinyl chloride-d3	Ave	0.3432	0.3667	0.0100	5.30	5.00	6.8	50.0
Chloroethane-d5	Ave	0.2838	0.3041	0.0100	5.40	5.00	7.1	50.0
1,1-Dichloroethene-d2	Ave	0.6232	0.6824	0.0100	5.50	5.00	9.5	50.0
2-Butanone-d5	Ave	0.0245	0.0239	0.0100	49.0	50.0	-2.3	50.0
Chloroform-d	Ave	0.5175	0.5582	0.0100	5.40	5.00	7.9	50.0
1,2-Dichloroethane-d4	Ave	0.1817	0.1880	0.0100	5.20	5.00	3.4	50.0
Benzene-d6	Ave	1.341	1.435	0.0100	5.40	5.00	7.0	50.0
1,2-Dichloropropane-d6	Ave	0.3393	0.3692	0.0100	5.40	5.00	8.8	50.0
Toluene-d8	Ave	1.257	1.433	0.0100	5.70	5.00	14.0	50.0
trans-1,3-Dichloropropene-d4	Ave	0.2391	0.2651	0.0100	5.50	5.00	10.9	50.0
2-Hexanone-d5	Ave	0.0225	0.0247	0.0100	55.0	50.0	9.8	50.0
1,1,2,2-Tetrachloroethane-d2	Ave	0.1340	0.1418	0.0100	5.30	5.00	5.8	50.0
1,2-Dichlorobenzene-d4	Ave	0.7422	0.7658	0.0100	5.20	5.00	3.2	50.0

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcimsmt.r.b/jcim25.d
Lab Smp Id: CCVC Client Smp ID: VSTD005GJ
Inj Date : 29-JAN-2011 01:25
Operator : JH2 Inst ID: J.i
Smp Info : CCVC
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmt.r.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 44 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

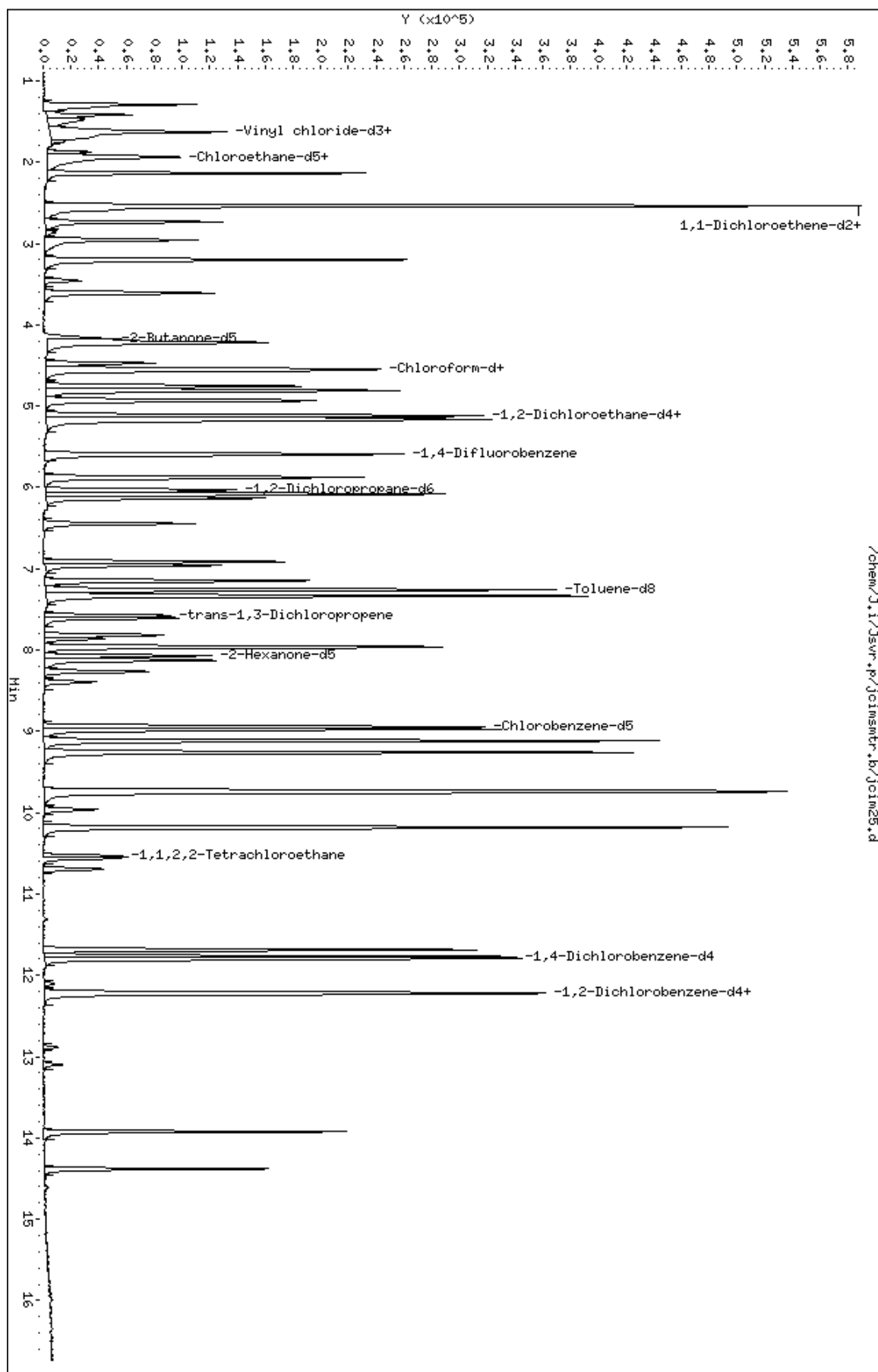
Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85		1.417	1.416	(0.253)	114647	125.000	130
2 Chloromethane	50		1.611	1.617	(0.288)	99853	125.000	130
\$ 3 Vinyl chloride-d3	65		1.624	1.623	(0.290)	94878	125.000	130
4 Vinyl chloride	62		1.630	1.629	(0.291)	101243	125.000	130
5 Bromomethane	94		1.873	1.873	(0.335)	58338	125.000	130
\$ 6 Chloroethane-d5	69		1.928	1.927	(0.344)	78687	125.000	130
7 Chloroethane	64		1.946	1.946	(0.348)	65170	125.000	140
8 Trichlorofluoromethane	101		2.135	2.134	(0.381)	169861	125.000	140
\$ 9 1,1-Dichloroethene-d2	63		2.536	2.536	(0.453)	176551	125.000	140
10 1,1-Dichloroethene	96		2.542	2.542	(0.454)	82864	125.000	140
11 1,1,2-Trichloro-1,2,2-trifluo	101		2.536	2.536	(0.453)	93680	125.000	130
12 Acetone	43		2.585	2.584	(0.462)	49332	1250.00	1300
13 Carbon disulfide	76		2.737	2.737	(0.489)	212145	125.000	110
14 Methyl acetate	43		2.865	2.864	(0.512)	11279	125.000	120
15 Methylene chloride	84		2.956	2.956	(0.528)	64920	125.000	130

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	3.205	3.205	(0.573)	79806	125.000	130
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	93234	125.000	130
18 1,1-Dichloroethane	63	3.607	3.607	(0.644)	131814	125.000	130
\$ 19 2-Butanone-d5	46	4.179	4.172	(0.747)	61940	1250.00	1200
20 cis-1,2-Dichloroethene	96	4.215	4.215	(0.753)	77582	125.000	130
21 2-Butanone	43	4.239	4.239	(0.758)	60959	1250.00	1300
22 Bromochloromethane	128	4.477	4.476	(0.800)	29408	125.000	140
\$ 23 Chloroform-d	84	4.538	4.537	(0.811)	144437	125.000	130
24 Chloroform	83	4.562	4.562	(0.815)	137696	125.000	140
25 1,1,1-Trichloroethane	97	4.757	4.756	(0.532)	144133	125.000	140
26 Cyclohexane	56	4.811	4.811	(0.538)	131882	125.000	130
27 Carbon tetrachloride	117	4.933	4.933	(0.552)	136335	125.000	150
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.912)	48635	125.000	130
\$ 29 Benzene-d6	84	5.122	5.121	(0.573)	302723	125.000	130
30 Benzene	78	5.164	5.164	(0.578)	311563	125.000	140
31 1,2-Dichloroethane	62	5.189	5.188	(0.927)	56414	125.000	130
* 32 1,4-Difluorobenzene	114	5.596	5.596	(1.000)	258741	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	84329	125.000	130
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.034	(0.675)	77869	125.000	140
35 Methylcyclohexane	55	6.083	6.083	(0.680)	94926	125.000	130
36 1,2-Dichloropropane	63	6.131	6.131	(0.686)	58680	125.000	130
37 Bromodichloromethane	83	6.448	6.448	(0.721)	80490	125.000	140
38 cis-1,3-Dichloropropene	75	6.959	6.959	(0.778)	87914	125.000	140
39 4-Methyl-2-pentanone	43	7.147	7.147	(0.799)	146185	1250.00	1300
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	302294	125.000	140
41 Toluene	91	7.336	7.336	(0.820)	342257	125.000	130
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	55917	125.000	140
43 trans-1,3-Dichloropropene	75	7.610	7.603	(0.851)	60821	125.000	130
44 1,1,2-Trichloroethane	97	7.817	7.816	(0.874)	33646	125.000	120
45 Tetrachloroethene	164	7.963	7.962	(0.890)	76696	125.000	130
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	52119	1250.00	1400
47 2-Hexanone	43	8.127	8.127	(0.909)	98406	1250.00	1400
48 Dibromochloromethane	129	8.267	8.267	(0.924)	44814	125.000	130
49 1,2-Dibromoethane	107	8.395	8.394	(0.939)	29510	125.000	130
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	210941	125.000	
51 Chlorobenzene	112	8.979	8.978	(1.004)	209962	125.000	140
52 Ethylbenzene	91	9.118	9.118	(1.020)	393378	125.000	140
53 m,p-Xylene	106	9.258	9.258	(1.035)	160156	125.000	140
54 Styrene	104	9.751	9.751	(1.090)	216683	125.000	140
55 o-Xylene	106	9.733	9.733	(1.088)	144795	125.000	140
56 Bromoform	173	9.964	9.964	(0.846)	21879	125.000	130
57 Isopropylbenzene	105	10.183	10.183	(1.139)	403741	125.000	140
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	29912	125.000	130
59 1,1,2,2-Tetrachloroethane	83	10.560	10.560	(1.181)	29267	125.000	140
60 1,3-Dichlorobenzene	146	11.686	11.685	(0.993)	163374	125.000	130
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	106299	125.000	
62 1,4-Dichlorobenzene	146	11.795	11.795	(1.002)	159636	125.000	130

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.215	(1.037)	81401	125.000	130
64 1,2-Dichlorobenzene	146	12.233	12.233	(1.039)	132300	125.000	130
65 1,2-Dibromo-3-chloropropane	75	13.097	13.097	(1.113)	4057	125.000	130
66 1,2,4-Trichlorobenzene	180	13.925	13.924	(1.183)	76777	125.000	130
67 1,2,3-Trichlorobenzene	180	14.387	14.381	(1.222)	55202	125.000	130

Data File: /chem/J.i/Jsvr.p/joimsnr.b/joim25.d
 Date : 29-JAN-2011 01:25
 Client ID: WSTD005GJ
 Sample Info: CCVC
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



TestAmerica Burlington

Data file : /chem/J.i/Jsvr.p/jcismtr.b/jci01.d
 Lab Smp Id: BFB Client Smp ID: BFBJT
 Inj Date : 14-JAN-2011 10:28
 Operator : JH2 Inst ID: J.i
 Smp Info : 50NG BFB
 Misc Info : 1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/jcismtr.b/bfbSOMtr.m
 Meth Date : 01-Sep-2010 15:57 jh2 Quant Type: ESTD
 Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
 Als bottle: 16 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER
 Processing Host: chemsvr6

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

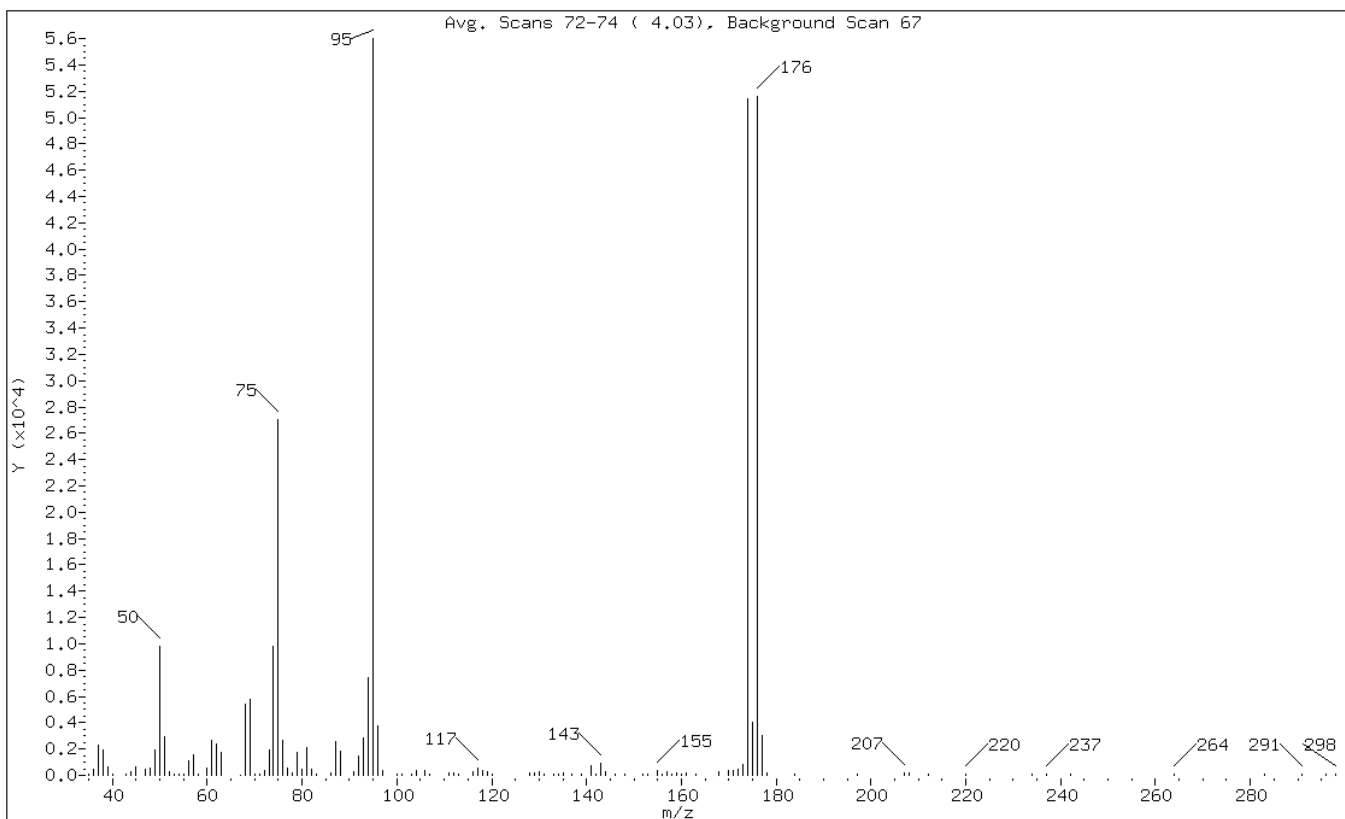
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
		ON-COL		FINAL				
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 bfb				CAS #: 460-00-4				
4.025	4.100	-0.075	95	56014			100.00- 100.00	100.00
4.025	4.100	-0.075	50	9765			15.00- 40.00	17.43
4.025	4.100	-0.075	75	27067			30.00- 80.00	48.32
4.025	4.100	-0.075	96	3764			5.00- 9.00	6.72
4.025	4.100	-0.075	173	797			0.00- 2.00	1.55
4.025	4.100	-0.075	174	51437			50.00- 120.00	91.83
4.025	4.100	-0.075	175	4020			5.00- 9.00	7.82
4.025	4.100	-0.075	176	51632			95.00- 101.00	100.38
4.025	4.100	-0.075	177	3065			5.00- 9.00	5.94

Data File: jci01.d
 Client ID: BFBJT
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB
 1 bfb

Date: 14-JAN-2011 10:28
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.43
75	30.00 - 80.00% of mass 95	48.32
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	1.42 (1.55)
174	50.00 - 120.00% of mass 95	91.83
175	5.00 - 9.00% of mass 174	7.18 (7.82)
176	95.00 - 101.00% of mass 174	92.18 (100.38)
177	5.00 - 9.00% of mass 176	5.47 (5.94)

Data File: jci01.d
 Client ID: BFBJT
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB

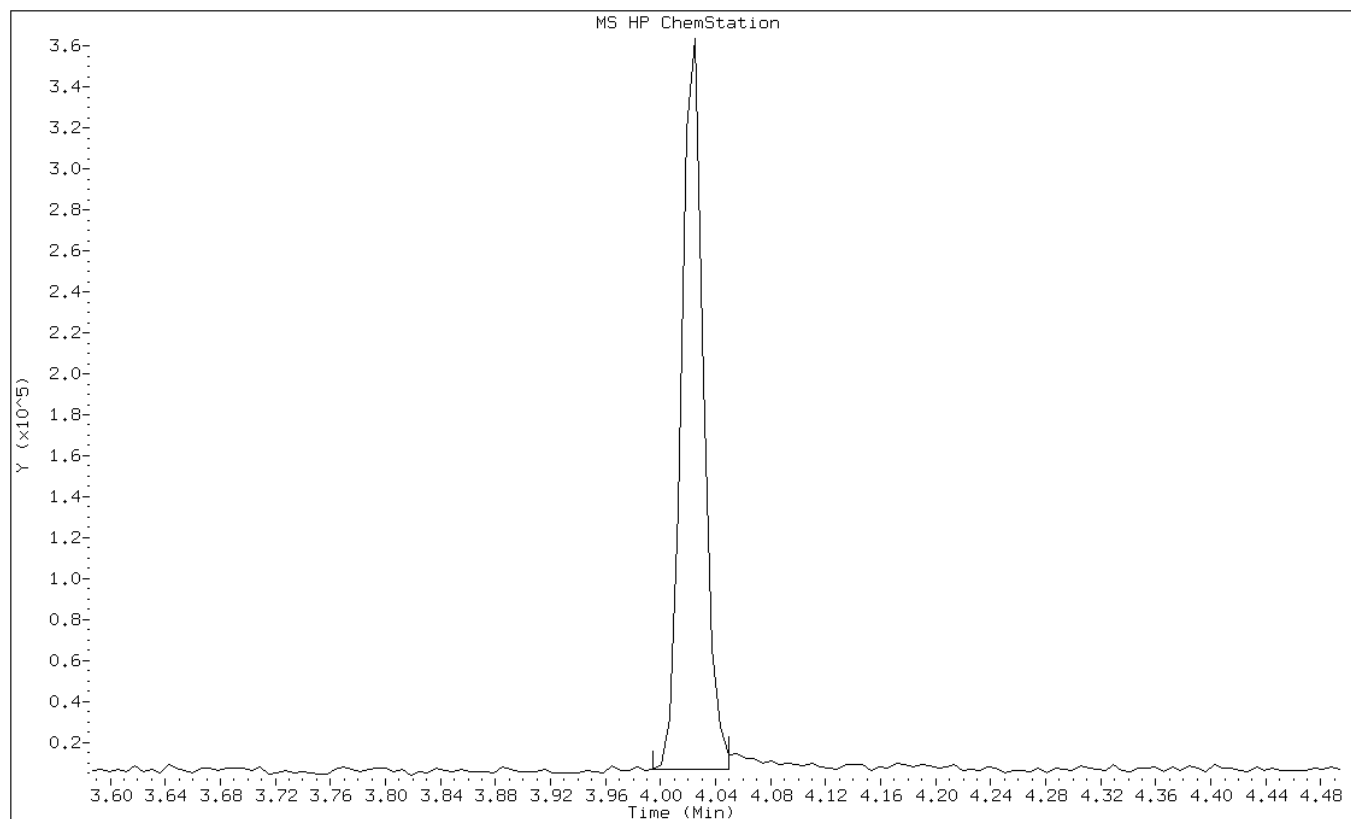
Date: 14-JAN-2011 10:28
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)

Data File: /chem/J.i/Jsvr.p/jcismtr.b/jci01.d
 Spectrum: Avg. Scans 72-74 (4.03), Background Scan 67
 Location of Maximum: 95.00
 Number of points: 115

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	50	71.00	52	111.00	148	159.00	180
36.00	492	72.00	404	112.00	140	160.00	132
37.00	2321	73.00	1956	113.00	125	161.00	153
38.00	1940	74.00	9803	116.00	306	163.00	53
39.00	659	75.00	27064	117.00	527	168.00	232
40.00	130	76.00	2626	118.00	389	170.00	377
43.00	95	77.00	580	119.00	247	171.00	380
44.00	284	78.00	192	120.00	62	172.00	502
45.00	661	79.00	1719	128.00	191	173.00	797
47.00	449	80.00	432	129.00	146	174.00	51432
48.00	536	81.00	2068	130.00	236	175.00	4020
49.00	1943	82.00	501	131.00	57	176.00	51632
50.00	9765	83.00	60	133.00	51	177.00	3065
51.00	2911	86.00	220	134.00	69	178.00	155
52.00	234	87.00	2546	135.00	172	184.00	52
53.00	77	88.00	1794	137.00	80	197.00	56
54.00	64	91.00	311	139.00	61	207.00	214
55.00	81	92.00	1505	141.00	697	208.00	184
56.00	1120	93.00	2874	142.00	116	212.00	53
57.00	1533	94.00	7468	143.00	876	220.00	72
58.00	55	95.00	56008	144.00	230	234.00	53
60.00	521	96.00	3764	146.00	129	237.00	70
61.00	2686	97.00	328	148.00	61	242.00	63
62.00	2414	100.00	52	152.00	53	264.00	52
63.00	1776	101.00	50	153.00	52	283.00	61
67.00	28	103.00	71	155.00	397	291.00	129
68.00	5445	104.00	362	156.00	52	296.00	51
69.00	5801	106.00	337	157.00	241	298.00	50
70.00	54	107.00	111	158.00	71		

Data File: jci01.d
Client ID: BFBJT
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 50NG BFB
Lab Sample ID: BFB

Date: 14-JAN-2011 10:28
Instrument: J.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



TestAmerica Burlington

Data file : /chem/J.i/Jsvr.p/jcifsmttr.b/jcif02.d
Lab Smp Id: BFB Client Smp ID: BFBJZ
Inj Date : 24-JAN-2011 08:29
Operator : JH2 Inst ID: J.i
Smp Info : 50NG BFB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/bfbSOMtr.m
Meth Date : 01-Sep-2010 15:57 jh2 Quant Type: ESTD
Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
Als bottle: 17 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER

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

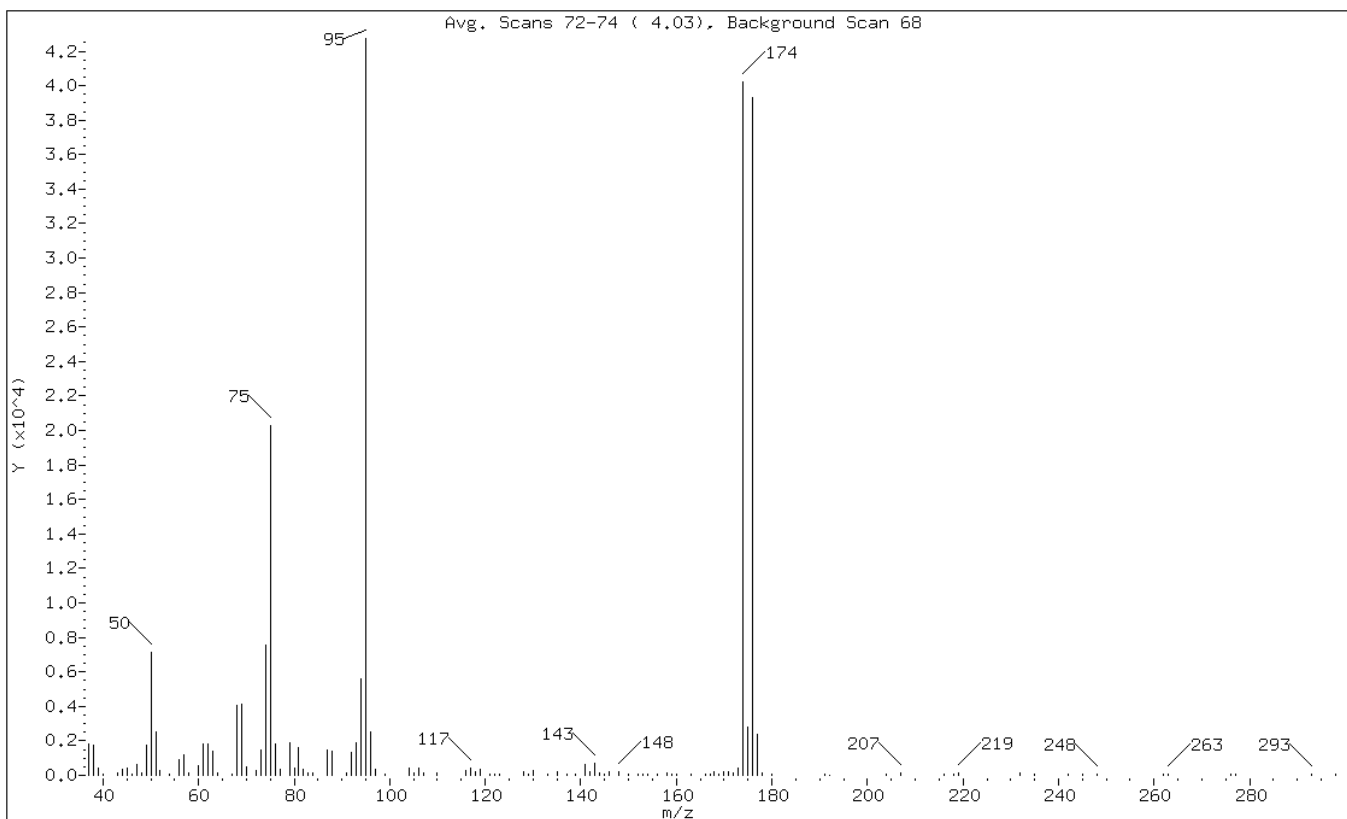
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 bfb					CAS #: 460-00-4				
4.025	4.100	-0.075	95	42741			100.00-	100.00	100.00
4.025	4.100	-0.075	50	7165			15.00-	40.00	16.76
4.025	4.100	-0.075	75	20293			30.00-	80.00	47.48
4.025	4.100	-0.075	96	2513			5.00-	9.00	5.88
4.025	4.100	-0.075	173	421			0.00-	2.00	1.05
4.025	4.100	-0.075	174	40216			50.00-	120.00	94.09
4.025	4.100	-0.075	175	2812			5.00-	9.00	6.99
4.025	4.100	-0.075	176	39296			95.00-	101.00	97.71
4.025	4.100	-0.075	177	2398			5.00-	9.00	6.10

Data File: jcif02.d
 Client ID: BFBJZ
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB
 1 bfb

Date: 24-JAN-2011 08:29
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.76
75	30.00 - 80.00% of mass 95	47.48
96	5.00 - 9.00% of mass 95	5.88
173	Less than 2.00% of mass 174	0.99 (1.05)
174	50.00 - 120.00% of mass 95	94.09
175	5.00 - 9.00% of mass 174	6.58 (6.99)
176	95.00 - 101.00% of mass 174	91.94 (97.71)
177	5.00 - 9.00% of mass 176	5.61 (6.10)

Data File: jcif02.d
 Client ID: BFBJZ
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB

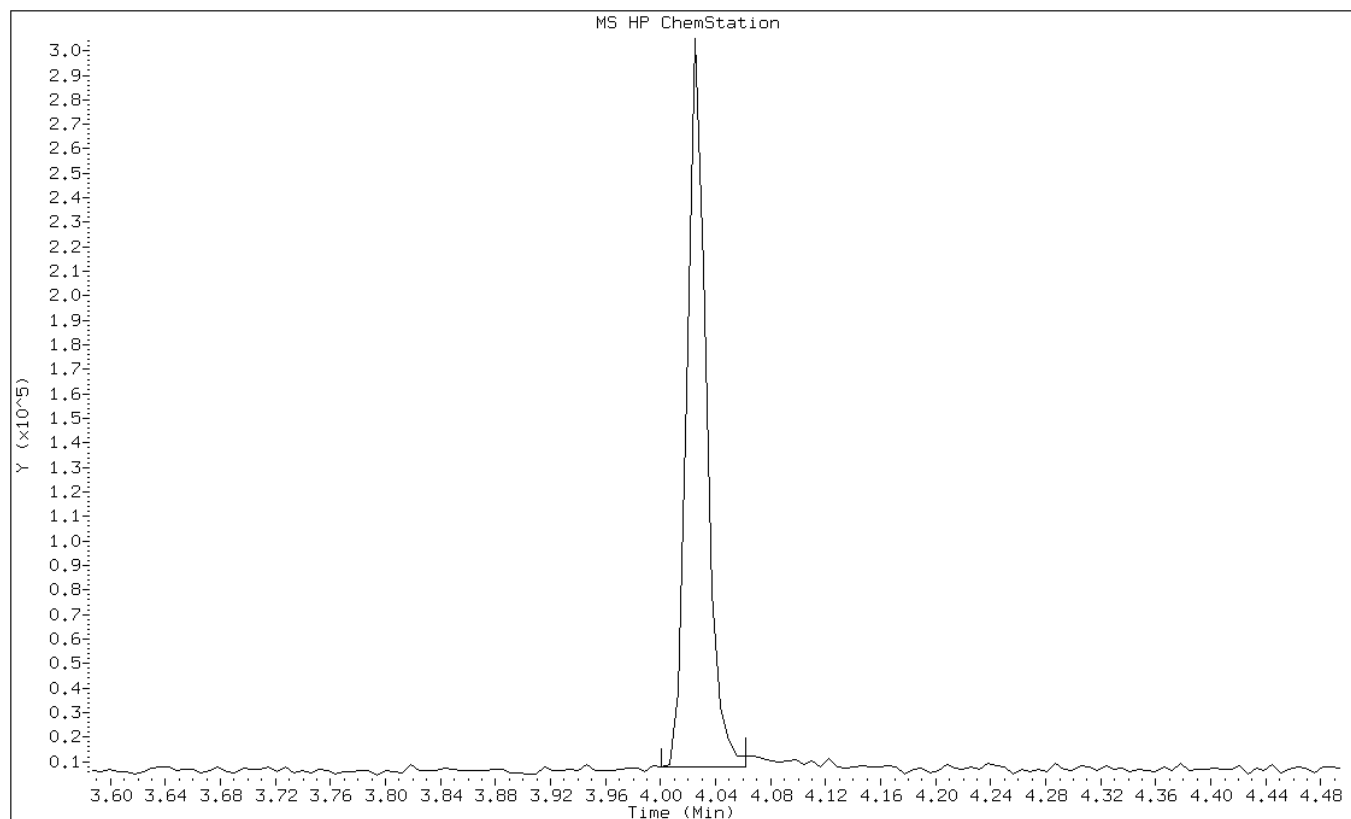
Date: 24-JAN-2011 08:29
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)

Data File: /chem/J.i/Jsvr.p/jcifsmttr.b/jcif02.d
 Spectrum: Avg. Scans 72-74 (4.03), Background Scan 68
 Location of Maximum: 95.00
 Number of points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1793	75.00	20288	123.00	66	172.00	170
38.00	1716	76.00	1850	128.00	215	173.00	421
39.00	420	77.00	336	129.00	53	174.00	40216
40.00	97	79.00	1922	130.00	254	175.00	2812
43.00	174	80.00	389	133.00	52	176.00	39296
44.00	383	81.00	1632	135.00	196	177.00	2398
45.00	427	82.00	380	137.00	51	178.00	128
46.00	74	83.00	130	139.00	67	180.00	65
47.00	630	84.00	114	141.00	644	191.00	70
48.00	137	87.00	1463	142.00	193	192.00	4
49.00	1716	88.00	1385	143.00	716	204.00	67
50.00	7165	91.00	128	144.00	112	207.00	117
51.00	2490	92.00	1359	145.00	52	216.00	61
52.00	255	93.00	1922	146.00	181	218.00	71
54.00	68	94.00	5565	148.00	242	219.00	149
56.00	918	95.00	42736	150.00	52	232.00	105
57.00	1200	96.00	2513	152.00	63	235.00	50
58.00	112	97.00	339	153.00	88	242.00	55
60.00	546	99.00	64	154.00	68	245.00	61
61.00	1832	104.00	436	156.00	72	248.00	69
62.00	1842	105.00	109	158.00	161	262.00	52
63.00	1416	106.00	426	159.00	52	263.00	57
64.00	140	107.00	121	160.00	58	276.00	52
67.00	79	110.00	121	163.00	94	277.00	52
68.00	4059	116.00	250	166.00	80	293.00	61
69.00	4145	117.00	441	167.00	79	298.00	50
70.00	493	118.00	175	168.00	199		
72.00	257	119.00	329	169.00	84		
73.00	1492	121.00	80	170.00	220		
74.00	7562	122.00	78	171.00	187		

Data File: jcif02.d
Client ID: BFBJZ
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 50NG BFB
Lab Sample ID: BFB

Date: 24-JAN-2011 08:29
Instrument: J.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



TestAmerica Burlington

Data file : /chem/J.i/Jsvr.p/jcimsmttr.b/jcim02.d
 Lab Smp Id: BFB Client Smp ID: BFBJG
 Inj Date : 28-JAN-2011 15:45
 Operator : JH2 Inst ID: J.i
 Smp Info : 50NG BFB
 Misc Info : 1,5
 Comment :
 Method : /chem/J.i/Jsvr.p/jcimsmttr.b/bfbSOMtr.m
 Meth Date : 01-Sep-2010 15:57 jh2 Quant Type: ESTD
 Cal Date : 19-JUN-1997 11:30 Cal File: LKG001HV.d
 Als bottle: 22 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: WATER

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

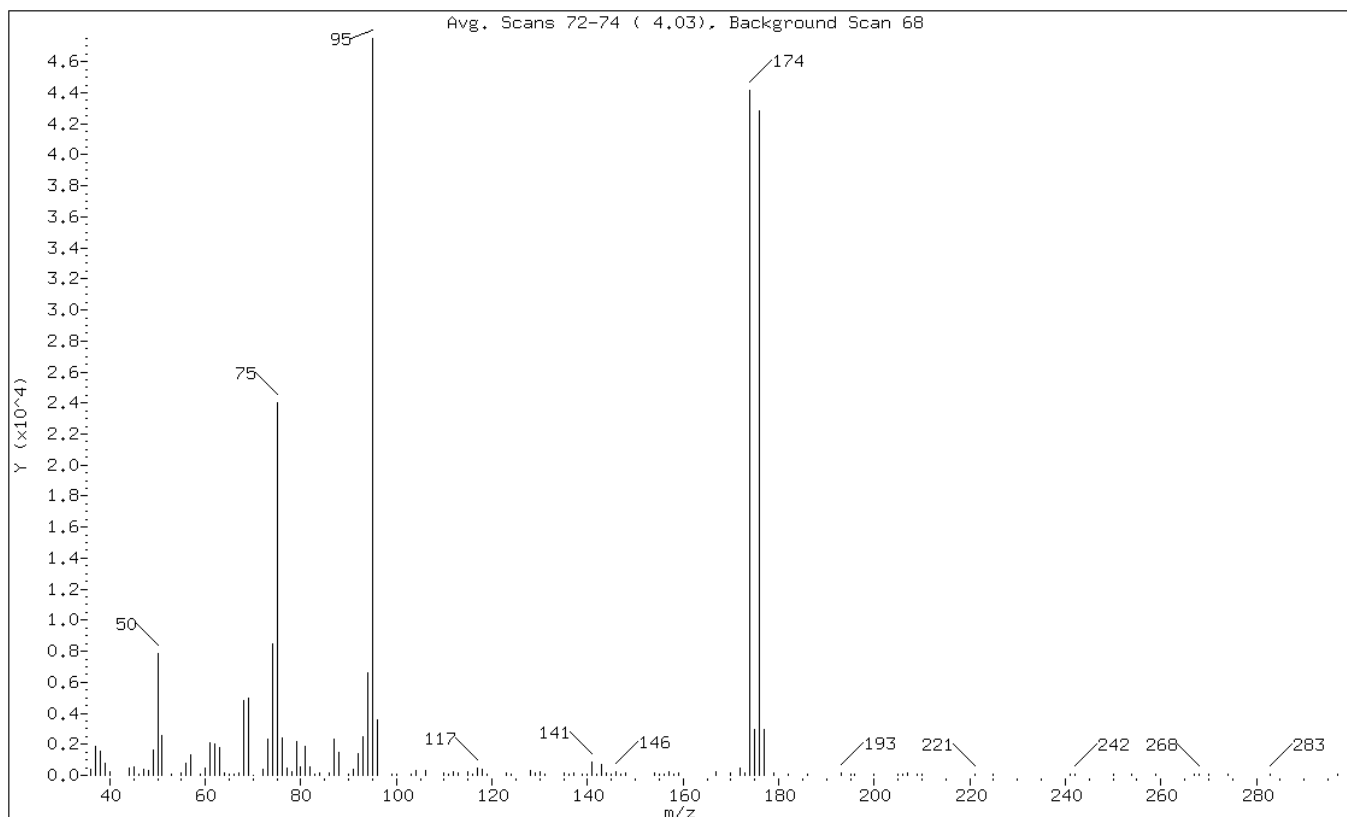
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
Vi	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 bfb					CAS #: 460-00-4				
4.025	4.100	-0.075	95	47498			100.00-	100.00	100.00
4.025	4.100	-0.075	50	7856			15.00-	40.00	16.54
4.025	4.100	-0.075	75	24027			30.00-	80.00	50.59
4.025	4.100	-0.075	96	3574			5.00-	9.00	7.52
4.025	4.100	-0.075	173	147			0.00-	2.00	0.33
4.025	4.100	-0.075	174	44154			50.00-	120.00	92.96
4.025	4.100	-0.075	175	2966			5.00-	9.00	6.72
4.025	4.100	-0.075	176	42805			95.00-	101.00	96.94
4.025	4.100	-0.075	177	2945			5.00-	9.00	6.88

Data File: jcim02.d
 Client ID: BFBJG
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB
 1 bfb

Date: 28-JAN-2011 15:45
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.54
75	30.00 - 80.00% of mass 95	50.59
96	5.00 - 9.00% of mass 95	7.52
173	Less than 2.00% of mass 174	0.31 (0.33)
174	50.00 - 120.00% of mass 95	92.96
175	5.00 - 9.00% of mass 174	6.24 (6.72)
176	95.00 - 101.00% of mass 174	90.12 (96.94)
177	5.00 - 9.00% of mass 176	6.20 (6.88)

Data File: jcim02.d
 Client ID: BFBJG
 Operator: JH2
 Column Type: Capillary
 Stationary Phase: DB-624
 Sample Info: 50NG BFB
 Lab Sample ID: BFB

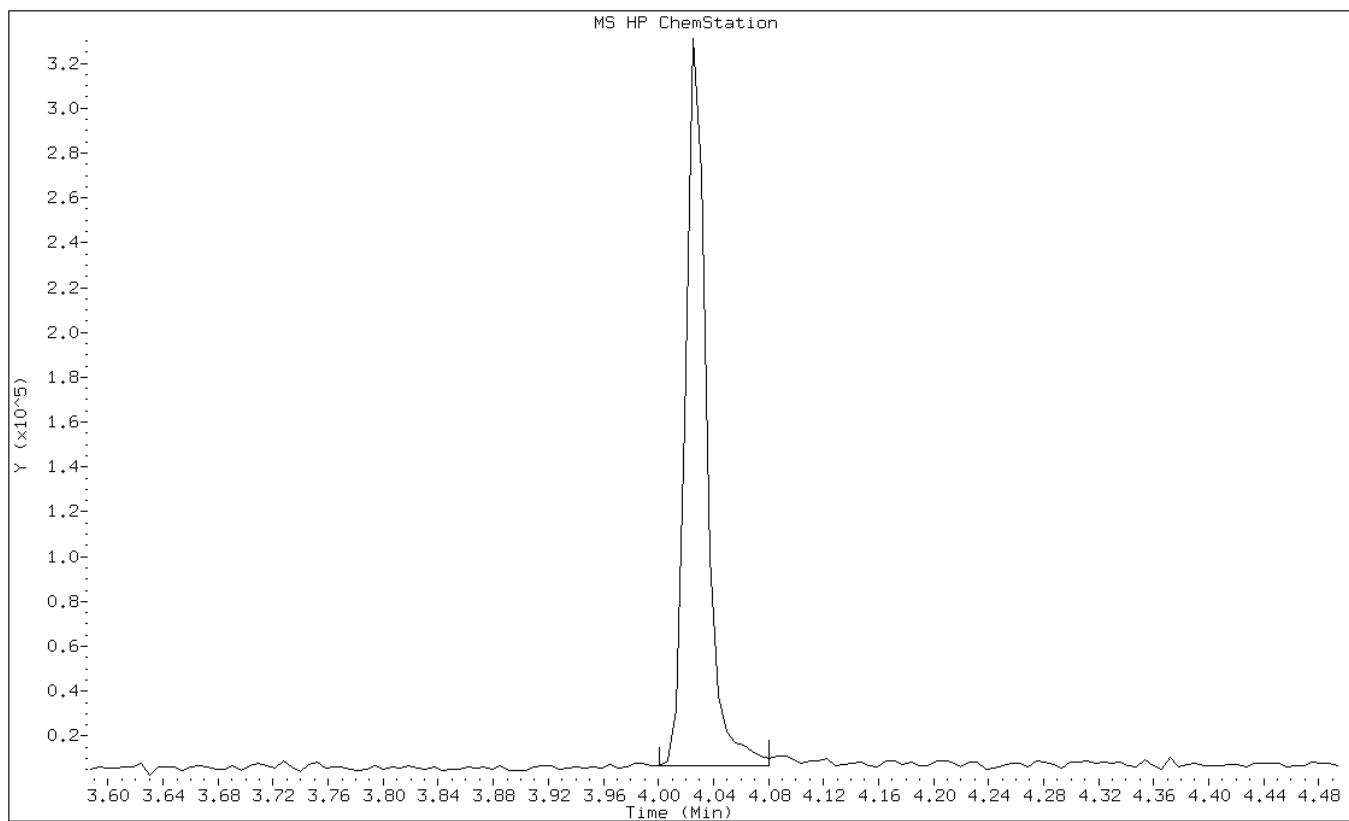
Date: 28-JAN-2011 15:45
 Instrument: J.i
 Inj Vol: 1.0 (ul)
 Diameter: 0.53 (mm)

Data File: /chem/J.i/Jsvr.p/jcimsmtr.b/jcim02.d
 Spectrum: Avg. Scans 72-74 (4.03), Background Scan 68
 Location of Maximum: 95.00
 Number of points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	355	75.00	24024	118.00	375	175.00	2966
37.00	1857	76.00	2418	119.00	76	176.00	42800
38.00	1585	77.00	504	123.00	129	177.00	2945
39.00	751	78.00	239	124.00	72	179.00	118
40.00	215	79.00	2150	128.00	287	182.00	55
44.00	505	80.00	560	129.00	194	186.00	52
45.00	516	81.00	1892	130.00	265	193.00	163
46.00	56	82.00	550	131.00	109	195.00	53
47.00	367	83.00	81	135.00	159	196.00	86
48.00	283	84.00	160	136.00	53	200.00	64
49.00	1610	86.00	132	137.00	171	205.00	50
50.00	7856	87.00	2336	139.00	60	206.00	56
51.00	2570	88.00	1452	140.00	53	207.00	153
53.00	59	90.00	51	141.00	892	209.00	51
55.00	145	91.00	401	142.00	58	210.00	67
56.00	763	92.00	1431	143.00	736	221.00	60
57.00	1321	93.00	2518	144.00	128	225.00	58
59.00	61	94.00	6612	145.00	54	241.00	55
60.00	431	95.00	47496	146.00	242	242.00	57
61.00	2114	96.00	3574	147.00	99	250.00	54
62.00	2005	99.00	50	148.00	121	254.00	51
63.00	1812	100.00	81	154.00	127	259.00	53
64.00	140	103.00	109	155.00	115	267.00	55
65.00	87	104.00	325	156.00	113	268.00	57
66.00	83	106.00	315	157.00	228	270.00	57
67.00	167	110.00	192	158.00	80	274.00	52
68.00	4850	111.00	84	159.00	194	283.00	67
69.00	4972	112.00	213	167.00	217	297.00	50
70.00	28	113.00	181	170.00	142		
72.00	390	115.00	224	172.00	487		
73.00	2345	116.00	59	173.00	147		
74.00	8488	117.00	492	174.00	44152		

Data File: jcim02.d
Client ID: BFBJG
Operator: JH2
Column Type: Capillary
Stationary Phase: DB-624
Sample Info: 50NG BFB
Lab Sample ID: BFB

Date: 28-JAN-2011 15:45
Instrument: J.i
Inj Vol: 1.0 (ul)
Diameter: 0.53 (mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: _____ Lab Sample ID: MB 200-12583/5
 Matrix: Water Lab File ID: jcif05.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 09:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.93
75-15-0	Carbon disulfide	0.095	J	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.068	J	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.050	J	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.50	U	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.50	U	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: _____ Lab Sample ID: MB 200-12583/5
 Matrix: Water Lab File ID: jcif05.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
 Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 09:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	105		65-131
19199-91-8	Chloroethane-d5	111		71-131
22280-73-5	1,1-Dichloroethene-d2	81		55-104
24313-50-6	2-Butanone-d5	101		49-155
865-49-6	Chloroform-d	104		78-121
17060-07-0	1,2-Dichloroethane-d4	105		78-129
1076-43-3	Benzene-d6	109		77-124
93952-08-0	1,2-Dichloropropane-d6	99		79-124
2037-26-5	Toluene-d8	112		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	108		73-121
4840-82-8	2-Hexanone-d5	105		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	95		73-125
2199-69-1	1,2-Dichlorobenzene-d4	102		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: _____ Lab Sample ID: MB 200-12583/5
Matrix: Water Lab File ID: jcif05.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 09:39
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L
Number TICs Found: 3 TIC Result Total: 5.03

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.92	3.2	X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	0.65	J N
	Unknown siloxane derivative	10.69	0.63	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: _____ Lab Sample ID: MB 200-12583/5
Matrix: Water Lab File ID: jcif05.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
Sample wt/vol: 25 (mL) Date Analyzed: 01/24/2011 09:39
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12583 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		14	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcifsmttr.b/jcif05.d
Lab Smp Id: MB Client Smp ID: VBLKJZ
Inj Date : 24-JAN-2011 09:39
Operator : JH2 Inst ID: J.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 19 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	97285	130.658	5.2
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.928	1.921	(0.345)	85435	138.750	5.6
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.530	(0.453)	137161	101.457	4.1
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43					Compound Not Detected.		
13 Carbon disulfide	76		2.731	2.731	(0.488)	4619	2.38355	0.095(a)
14 Methyl acetate	43					Compound Not Detected.		
15 Methylene chloride	84					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.		
17 Methyl tert-butyl ether	73	3.199	3.193	(0.572)	1251	1.70648	0.068(aQ)
18 1,1-Dichloroethane	63				Compound Not Detected.		
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	66862	1257.89	50
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	4.537	4.537	(0.812)	145808	129.884	5.2(Q)
24 Chloroform	83	4.556	4.556	(0.815)	1300	1.24070	0.050(aQ)
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	51569	130.826	5.2
\$ 29 Benzene-d6	84	5.115	5.115	(0.572)	320875	136.725	5.5
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	271173	125.000	
33 Trichloroethene	95				Compound Not Detected.		
\$ 34 1,2-Dichloropropane-d6	67	6.028	6.028	(0.674)	73687	124.106	5.0
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83				Compound Not Detected.		
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	307528	139.756	5.6
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	56715	135.558	5.4
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	51787	1315.53	53
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	218743	125.000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106				Compound Not Detected.		
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	27944	119.177	4.8
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.765	(1.000)	107190	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.209	(1.037)	81197	127.571	5.1
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcifsmttr.b/jcif05.d
Lab Smp Id: MB Client Smp ID: VBLKJZ
Inj Date : 24-JAN-2011 09:39
Operator : JH2 Inst ID: J.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 19 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	587537	125.000
* 50 Chlorobenzene-d5	8.942	648569	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	596293	125.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
3.455	64724	13.7701170	0.55	0		0	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.916	378326	80.4897269	3.2	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.859	84599	16.3048499	0.65	91	NIST05.l	73121	50
Unknown siloxane derivative					CAS #:		
10.694	75440	15.8143537	0.63	0		0	61

Data File: /chem/J.i/Jswr.p/joifsmtf.b/joif05.d

Date: 24-JAN-2011 09:39

Client ID: WBLKJZ

Sample Info: HB

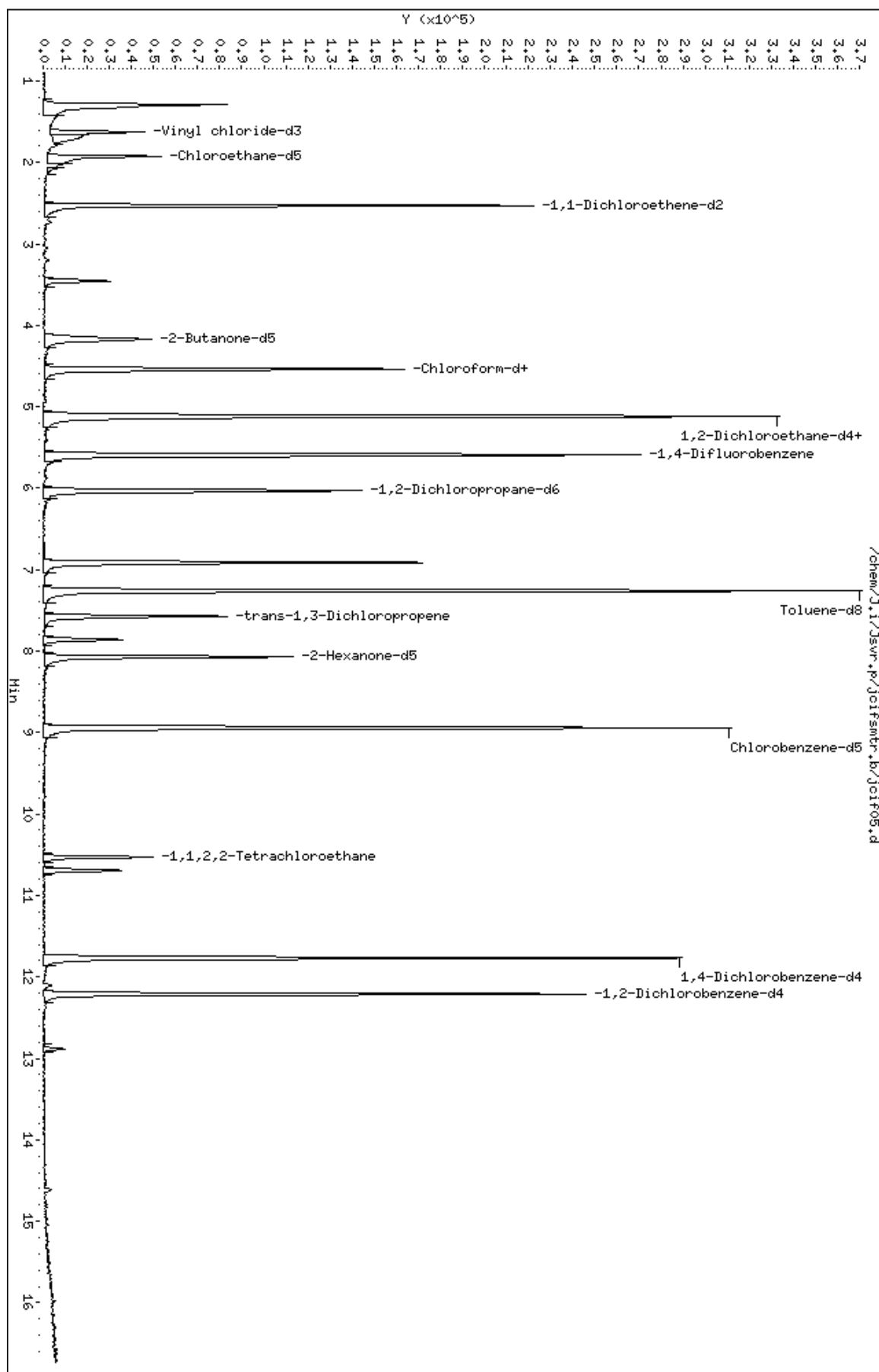
Purge Volume: 25.0

Column phase: DB-624

Instrument: J.i

Operator: JH2

Column diameter: 0.20



Data File: jcif05.d

Lab Sample ID: MB

Client ID: VBLKJZ

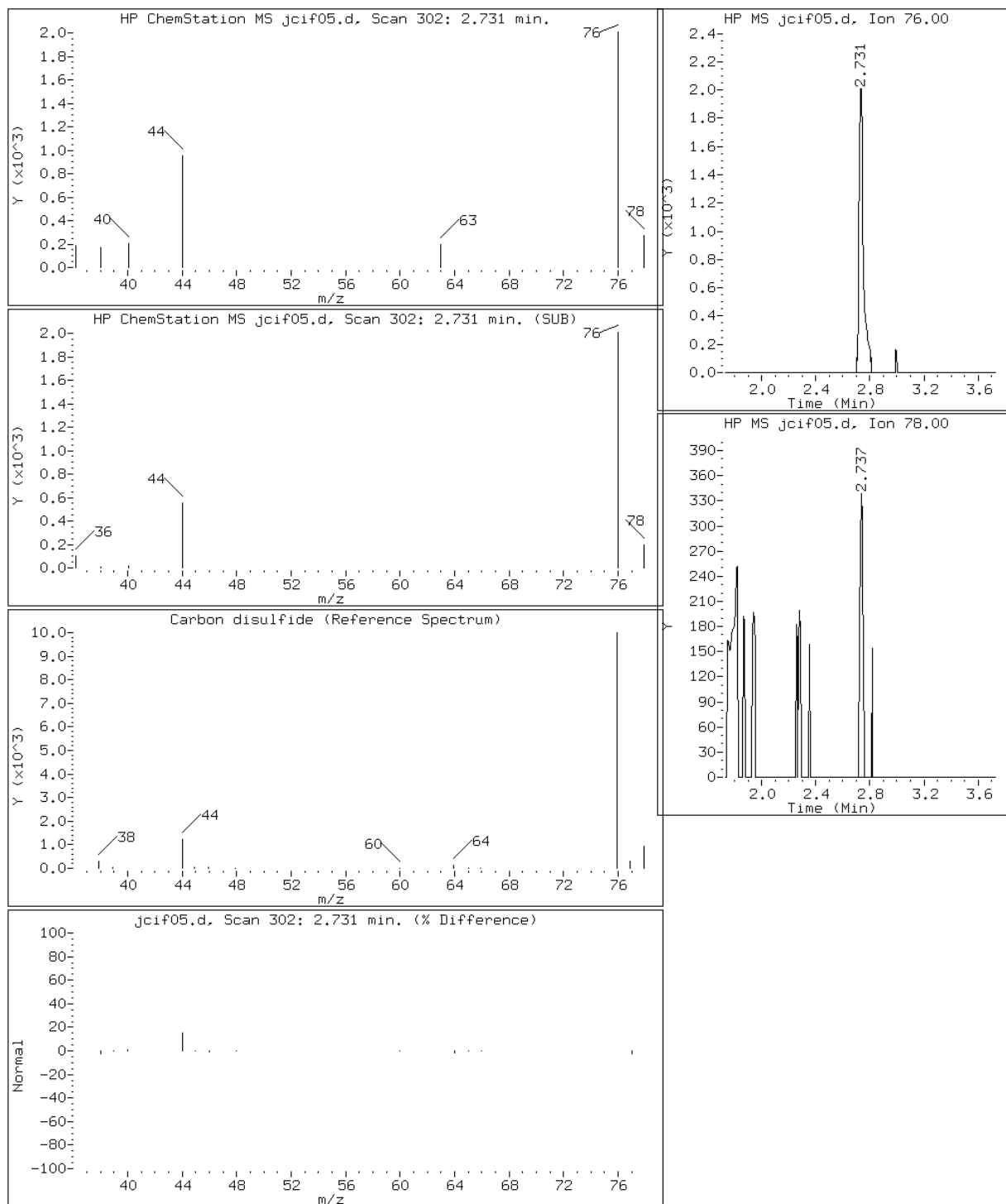
Sample Info: MB

Date: 24-JAN-2011 09:39

Instrument: J.i

Operator: JH2

13 Carbon disulfide



Data File: jcif05.d

Lab Sample ID: MB

Date: 24-JAN-2011 09:39

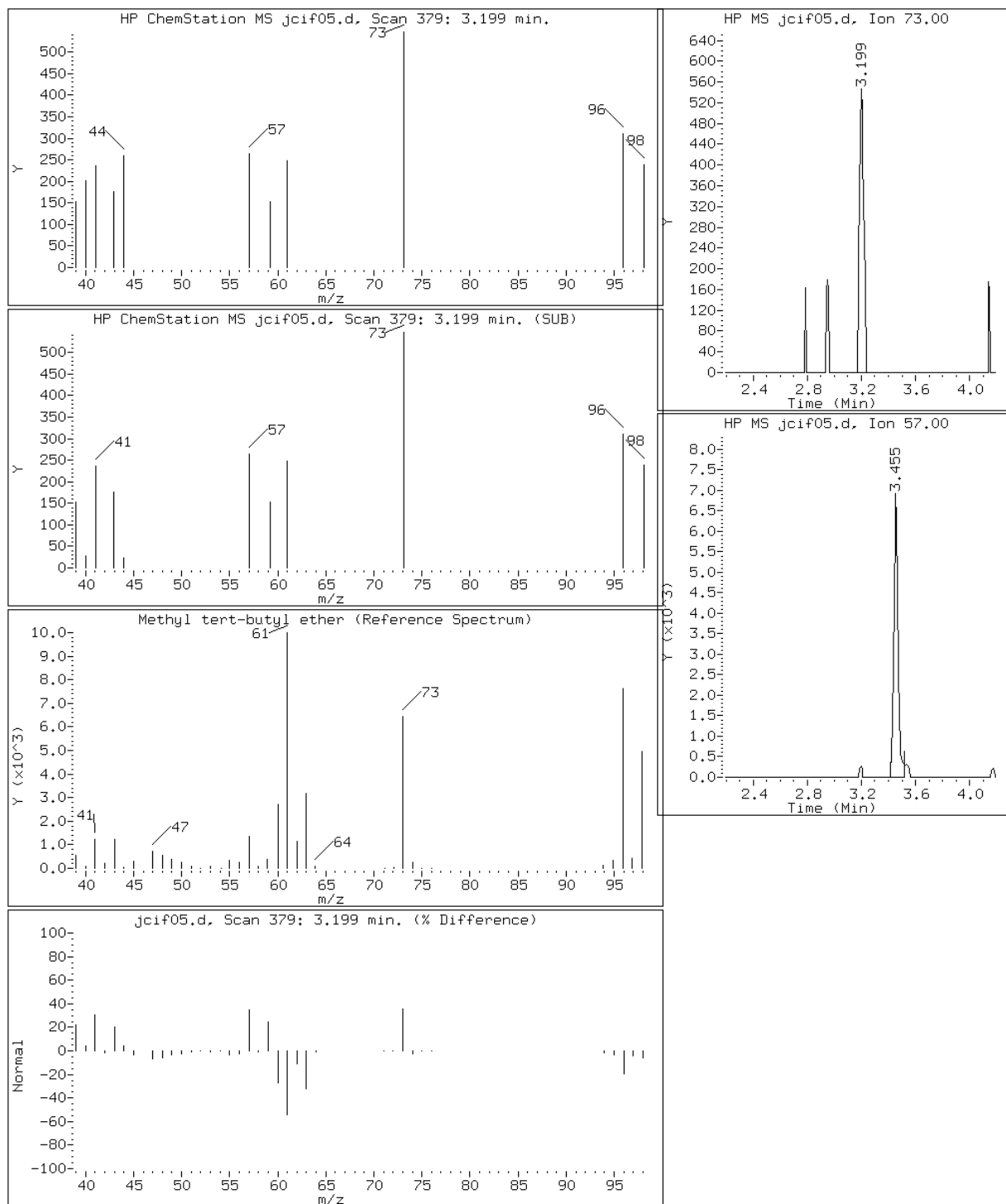
Client ID: VBLKJZ

Instrument: J.i

Sample Info: MB

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcif05.d

Lab Sample ID: MB

Client ID: VBLKJZ

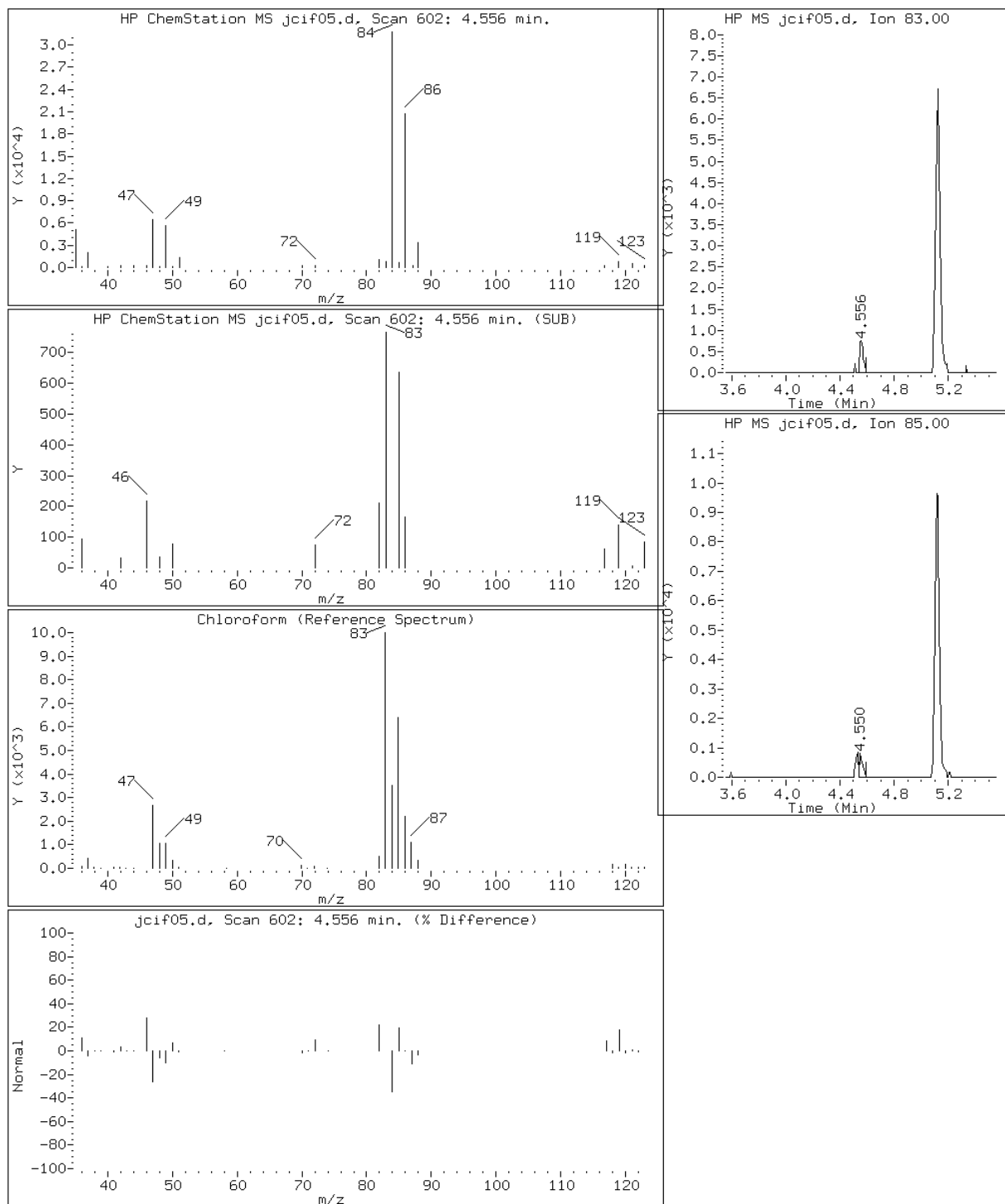
Sample Info: MB

Date: 24-JAN-2011 09:39

Instrument: J.i

Operator: JH2

24 Chloroform



Data File: jcif05.d

Lab Sample ID: MB

Client ID: VBLKJZ

Sample Info: MB

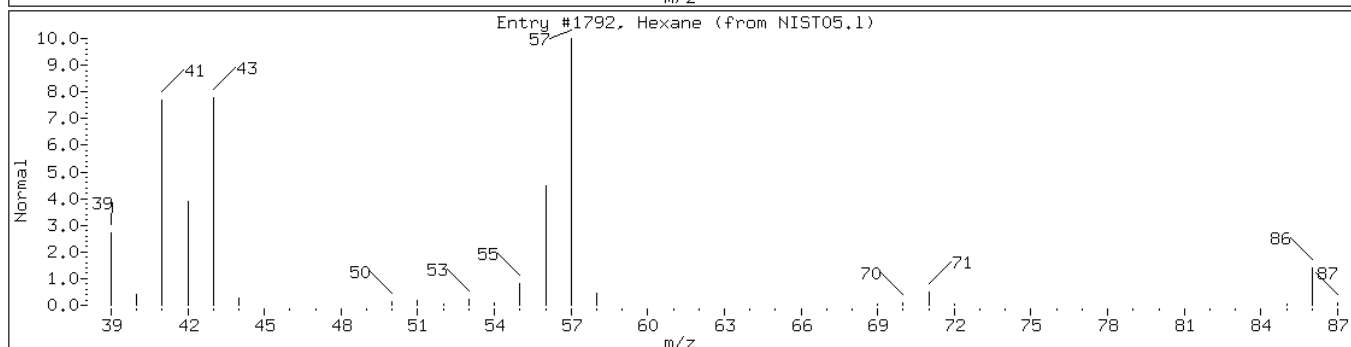
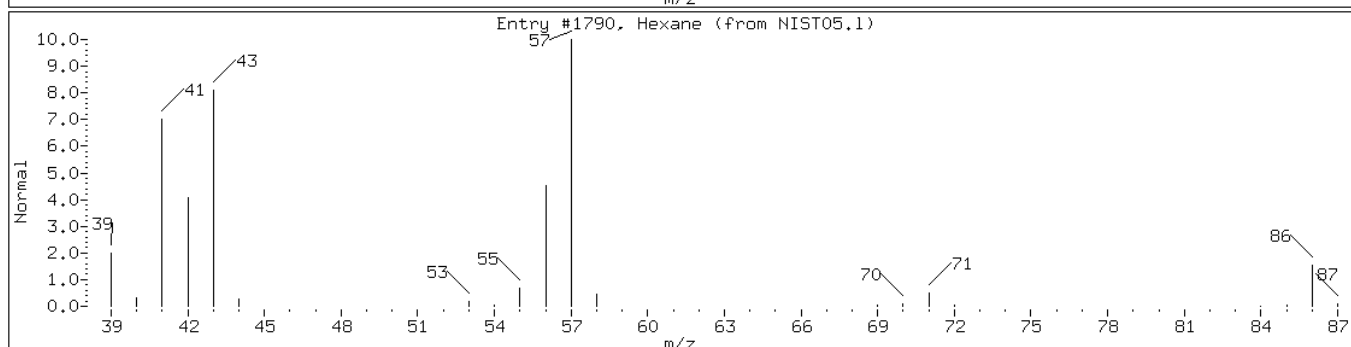
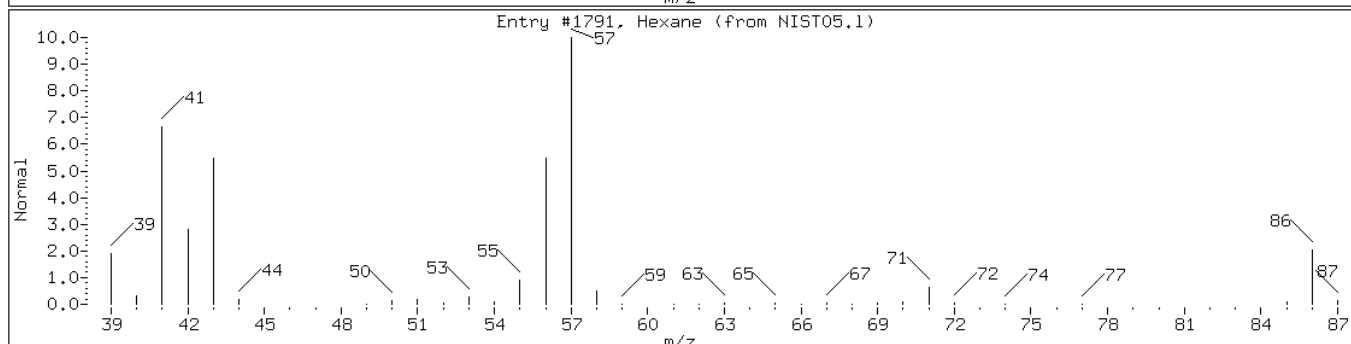
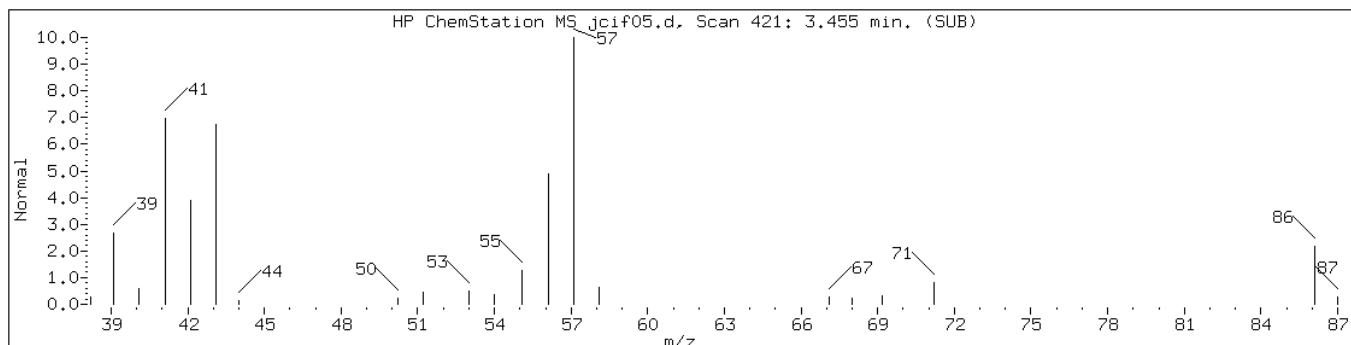
Date: 24-JAN-2011 09:39

Instrument: J.i

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	81	C6H14	86
Hexane	110-54-3	NIST05.1	1790	64	C6H14	86
Hexane	110-54-3	NIST05.1	1792	50	C6H14	86



Data File: jcif05.d

Lab Sample ID: MB

Client ID: VBLKJZ

Sample Info: MB

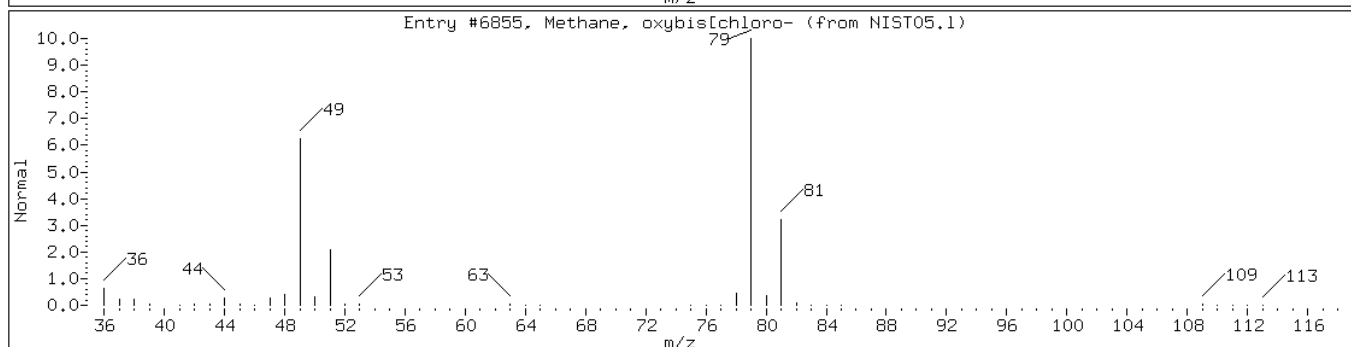
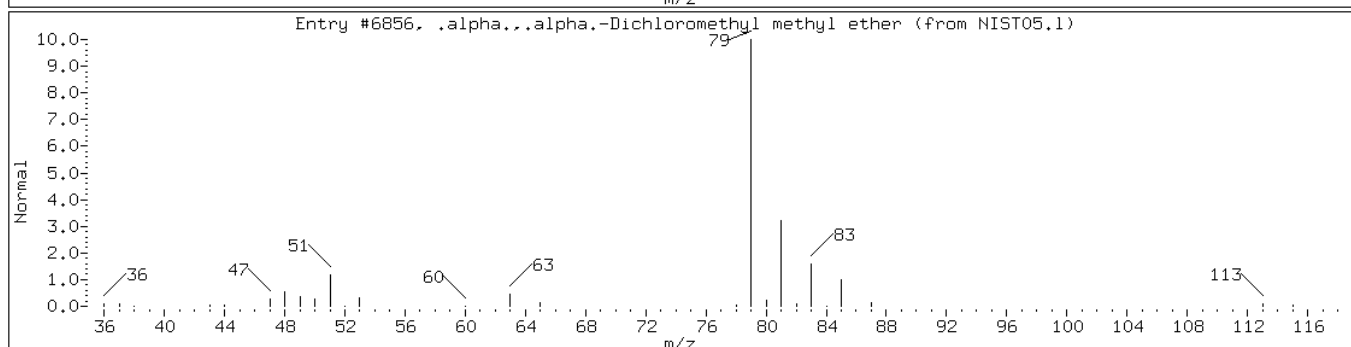
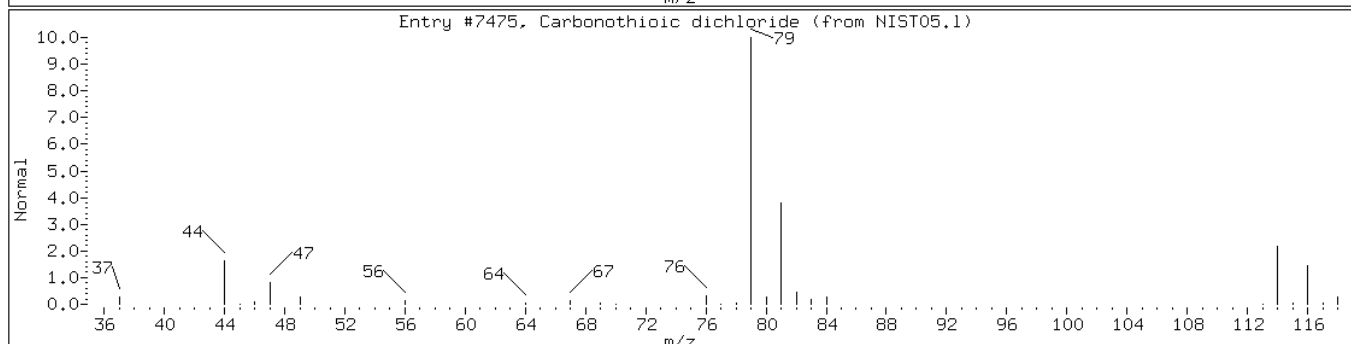
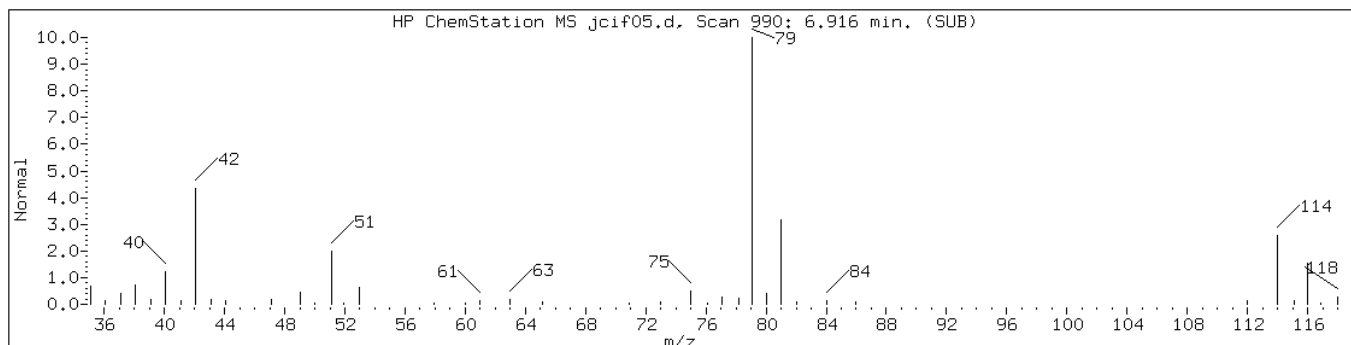
Date: 24-JAN-2011 09:39

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	40	<chem>CCl2S</chem>	114
.alpha.,.alpha.-Dichloromethyl met	4885-02-3	NIST05.1	6856	28	<chem>C2H4Cl2O</chem>	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	28	<chem>C2H4Cl2O</chem>	114



Data File: jcif05.d

Lab Sample ID: MB

Client ID: VBLKJZ

Sample Info: MB

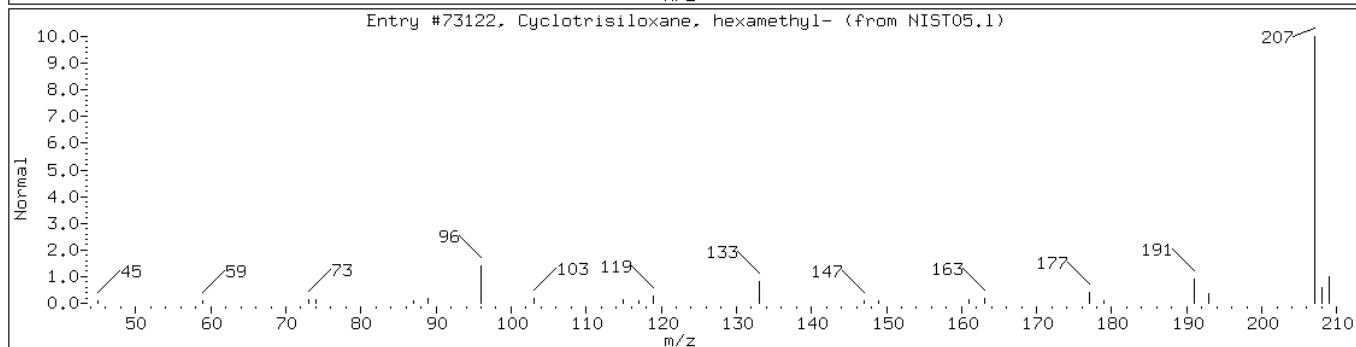
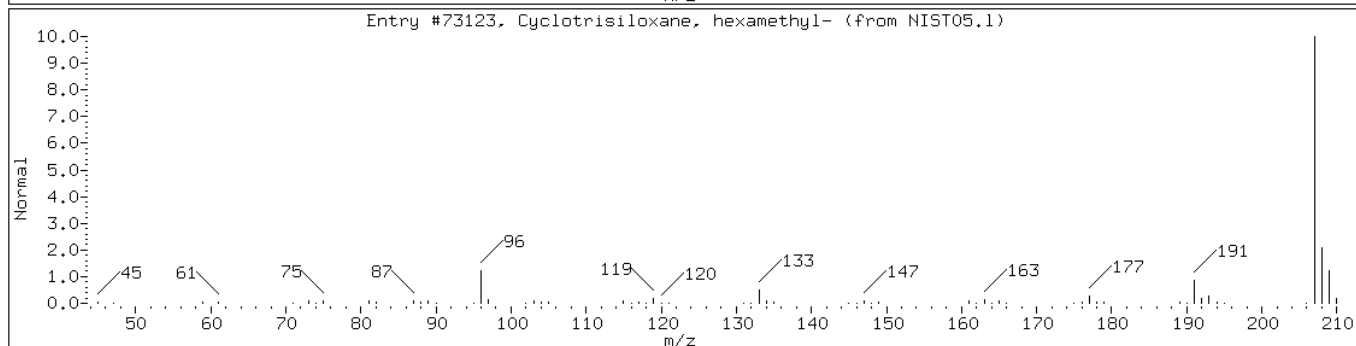
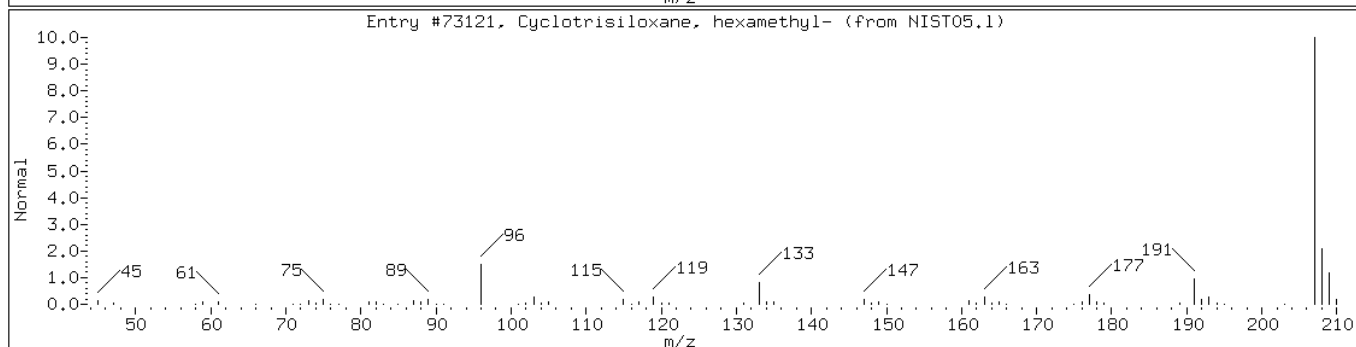
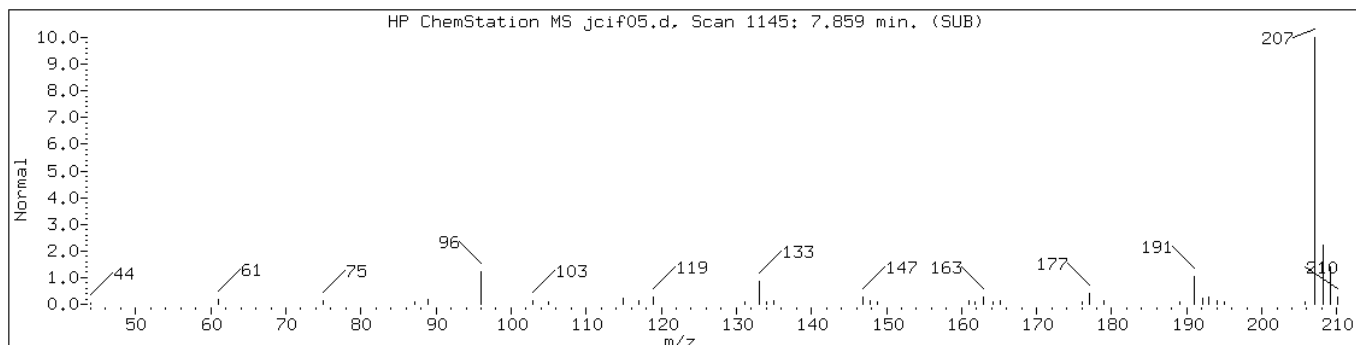
Date: 24-JAN-2011 09:39

Instrument: J.i

Operator: JH2

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	91	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	64	C ₆ H ₁₈ O ₃ Si ₃	222



Data File: jcif05.d

Lab Sample ID: MB

Client ID: VBLKJZ

Sample Info: MB

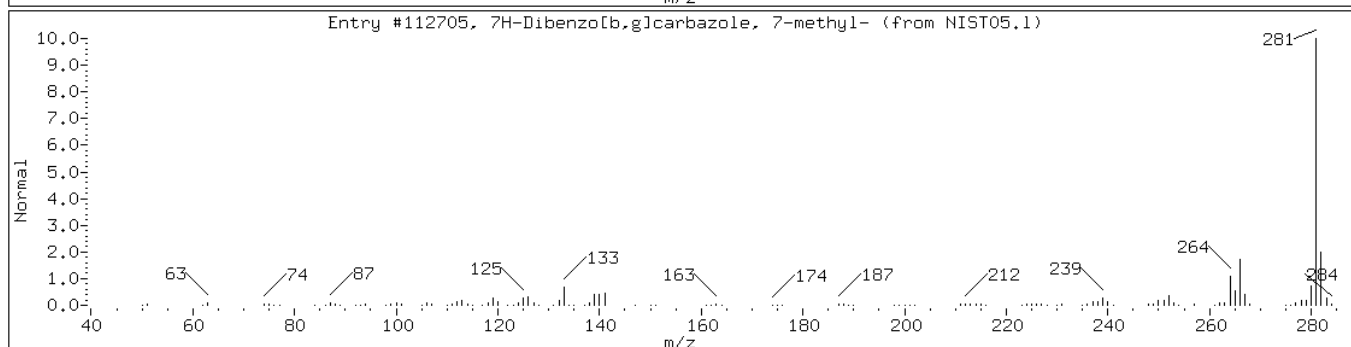
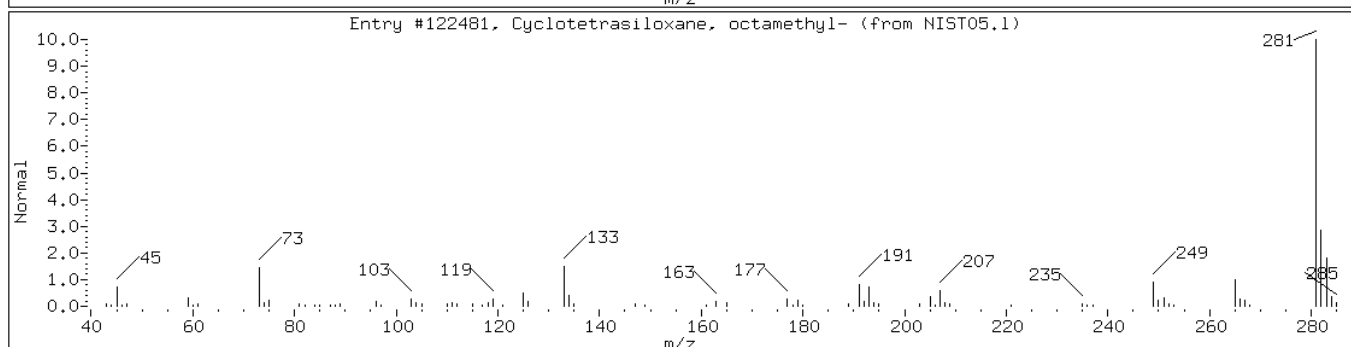
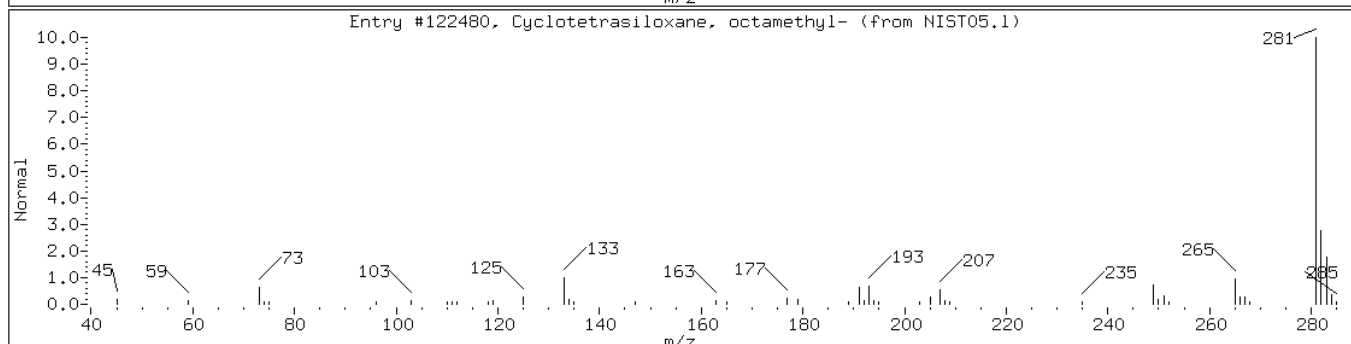
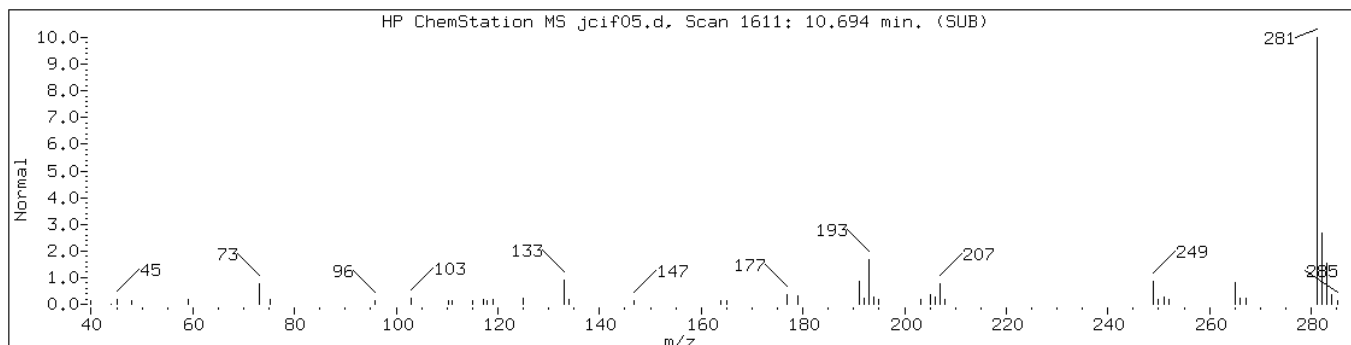
Date: 24-JAN-2011 09:39

Instrument: J.i

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	90	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	86	C ₈ H ₂₄ O ₄ Si ₄	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	59	C ₂₁ H ₁₅ N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: _____ Lab Sample ID: MB 200-12879/4
 Matrix: Water Lab File ID: jcim04.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 16:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.025
74-87-3	Chloromethane	0.50	U	0.50	0.097
75-01-4	Vinyl chloride	0.50	U	0.50	0.049
74-83-9	Bromomethane	0.50	U	0.50	0.050
75-00-3	Chloroethane	0.50	U	0.50	0.069
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.052
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.038
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.030
67-64-1	Acetone	1.5	J	5.0	0.93
75-15-0	Carbon disulfide	0.10	J	0.50	0.060
79-20-9	Methyl acetate	0.50	U	0.50	0.075
75-09-2	Methylene chloride	0.50	U	0.50	0.060
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.018
1634-04-4	Methyl tert-butyl ether	0.079	J	0.50	0.032
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.053
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.052
78-93-3	2-Butanone	5.0	U	5.0	0.61
74-97-5	Bromochloromethane	0.50	U	0.50	0.072
67-66-3	Chloroform	0.50	U	0.50	0.047
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.028
110-82-7	Cyclohexane	0.50	U	0.50	0.040
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.038
71-43-2	Benzene	0.50	U	0.50	0.030
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.057
79-01-6	Trichloroethene	0.12	J	0.50	0.054
108-87-2	Methylcyclohexane	0.50	U	0.50	0.049
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.053
75-27-4	Bromodichloromethane	0.50	U	0.50	0.043
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.036
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.36
108-88-3	Toluene	0.50	U	0.50	0.031
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.031
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.073
127-18-4	Tetrachloroethene	0.053	J	0.50	0.051
591-78-6	2-Hexanone	5.0	U	5.0	0.29
124-48-1	Dibromochloromethane	0.50	U	0.50	0.047

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Client Sample ID: _____ Lab Sample ID: MB 200-12879/4
 Matrix: Water Lab File ID: jcim04.d
 Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
 Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 16:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
 % Moisture: _____ Level: (low/med) Trace
 Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.20
108-90-7	Chlorobenzene	0.50	U	0.50	0.039
100-41-4	Ethylbenzene	0.50	U	0.50	0.050
95-47-6	o-Xylene	0.50	U	0.50	0.041
179601-23-1	m,p-Xylene	0.50	U	0.50	0.033
100-42-5	Styrene	0.50	U	0.50	0.057
75-25-2	Bromoform	0.50	U	0.50	0.066
98-82-8	Isopropylbenzene	0.50	U	0.50	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.080
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.042
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.035
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.051
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.25
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.047
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	107		65-131
19199-91-8	Chloroethane-d5	109		71-131
22280-73-5	1,1-Dichloroethene-d2	86		55-104
24313-50-6	2-Butanone-d5	88		49-155
865-49-6	Chloroform-d	104		78-121
17060-07-0	1,2-Dichloroethane-d4	107		78-129
1076-43-3	Benzene-d6	107		77-124
93952-08-0	1,2-Dichloropropane-d6	97		79-124
2037-26-5	Toluene-d8	110		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	107		73-121
4840-82-8	2-Hexanone-d5	95		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	96		73-125
2199-69-1	1,2-Dichlorobenzene-d4	113		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: _____ Lab Sample ID: MB 200-12879/4
Matrix: Water Lab File ID: jcim04.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 16:30
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L
Number TICs Found: 3 TIC Result Total: 5.83

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	6.92	3.1	X J
541-05-9	Cyclotrisiloxane, hexamethyl-	7.86	1.1	J N
	Unknown siloxane derivative	10.69	1.1	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Client Sample ID: _____ Lab Sample ID: MB 200-12879/4
Matrix: Water Lab File ID: jcim04.d
Analysis Method: SOM01.2/VOA_Tr Date Collected: _____
Sample wt/vol: 25 (mL) Date Analyzed: 01/28/2011 16:30
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.2 (mm)
% Moisture: _____ Level: (low/med) Trace
Analysis Batch No.: 12879 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes		13	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcimsmttr.b/jcim04.d
Lab Smp Id: MB Client Smp ID: VBLKJG
Inj Date : 28-JAN-2011 16:30
Operator : JH2 Inst ID: J.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 23 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Dichlorodifluoromethane	85					Compound Not Detected.		
2 Chloromethane	50					Compound Not Detected.		
\$ 3 Vinyl chloride-d3	65		1.623	1.623	(0.290)	96692	134.326	5.4
4 Vinyl chloride	62					Compound Not Detected.		
5 Bromomethane	94					Compound Not Detected.		
\$ 6 Chloroethane-d5	69		1.921	1.927	(0.344)	80740	135.633	5.4
7 Chloroethane	64					Compound Not Detected.		
8 Trichlorofluoromethane	101					Compound Not Detected.		
\$ 9 1,1-Dichloroethene-d2	63		2.530	2.536	(0.453)	139854	107.006	4.3
10 1,1-Dichloroethene	96					Compound Not Detected.		
11 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
12 Acetone	43		2.591	2.584	(0.463)	1442	37.1806	1.5(a)
13 Carbon disulfide	76		2.731	2.737	(0.488)	4787	2.55517	0.10(a)
14 Methyl acetate	43					Compound Not Detected.		
15 Methylene chloride	84					Compound Not Detected.		

						CONCENTRATIONS	
		QUANT	SIG			ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
17 Methyl tert-butyl ether	73	3.199	3.199	(0.572)	1401	1.97680	0.079(aQ)
18 1,1-Dichloroethane	63	Compound Not Detected.					
\$ 19 2-Butanone-d5	46	4.172	4.172	(0.746)	56710	1103.58	44
20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
21 2-Butanone	43	Compound Not Detected.					
22 Bromochloromethane	128	Compound Not Detected.					
\$ 23 Chloroform-d	84	4.537	4.537	(0.812)	141223	130.125	5.2(Q)
24 Chloroform	83	Compound Not Detected.					
25 1,1,1-Trichloroethane	97	Compound Not Detected.					
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	Compound Not Detected.					
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	50787	133.272	5.3
\$ 29 Benzene-d6	84	5.115	5.121	(0.572)	304167	133.216	5.3
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	5.590	5.596	(1.000)	262160	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	1890	2.96823	0.12(aQ)
\$ 34 1,2-Dichloropropane-d6	67	6.028	6.034	(0.674)	69700	120.661	4.8
35 Methylcyclohexane	55	Compound Not Detected.					
36 1,2-Dichloropropane	63	Compound Not Detected.					
37 Bromodichloromethane	83	Compound Not Detected.					
38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
39 4-Methyl-2-pentanone	43	Compound Not Detected.					
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	293448	137.073	5.5
41 Toluene	91	Compound Not Detected.					
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	54341	133.502	5.3
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	7.956	7.962	(0.890)	769	1.31443	0.053(a)
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	45642	1191.73	48
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	212814	125.000	
51 Chlorobenzene	112	Compound Not Detected.					
52 Ethylbenzene	91	Compound Not Detected.					
53 m,p-Xylene	106	Compound Not Detected.					
54 Styrene	104	Compound Not Detected.					
55 o-Xylene	106	Compound Not Detected.					
56 Bromoform	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	27341	119.854	4.8
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.771	(1.000)	96782	125.000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	=====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.215	12.215	(1.038)	80862	140.707	5.6(Q)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcimsmttr.b/jcim04.d
Lab Smp Id: MB Client Smp ID: VBLKJG
Inj Date : 28-JAN-2011 16:30
Operator : JH2 Inst ID: J.i
Smp Info : MB
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcimsmttr.b/somtr5t.m
Meth Date : 29-Jan-2011 12:51 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 23 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

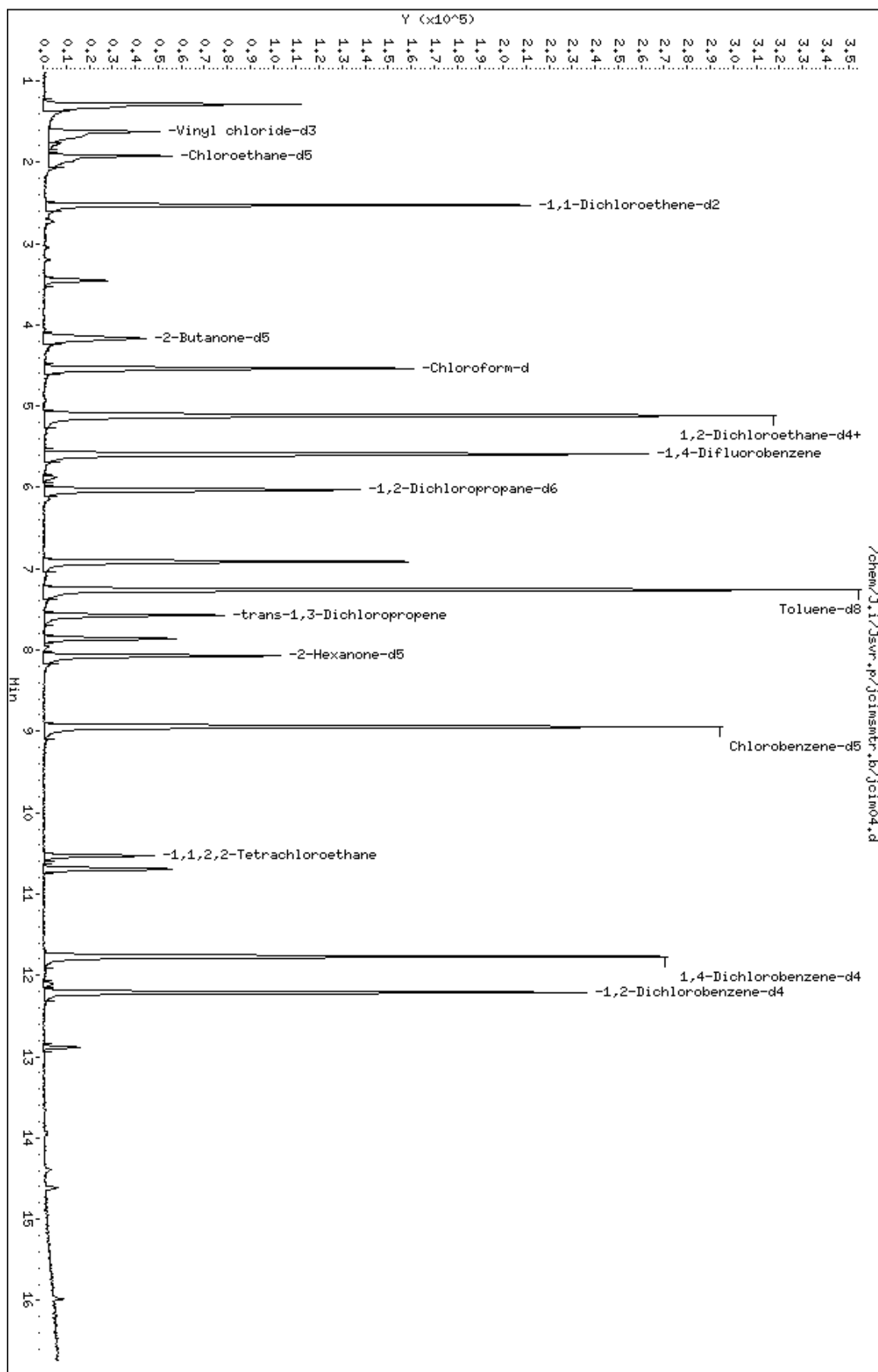
ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	576649	125.000
* 50 Chlorobenzene-d5	8.942	616202	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	567470	125.000

CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
3.454	61159	13.2574787	0.53	0		0	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown					CAS #:		
6.916	354393	76.8214554	3.1	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.859	134192	27.2216381	1.1	80	NIST05.1	73123	50
Unknown siloxane derivative					CAS #:		
10.694	122885	27.0686373	1.1	0		0	61

Data File: /chem/J.i/Jswr.p/joismtr.b/joim04.d
 Date : 28-JAN-2011 16:30
 Client ID: WBLKJG
 Sample Info: HB
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20



Data File: jcim04.d

Lab Sample ID: MB

Client ID: VBLKJG

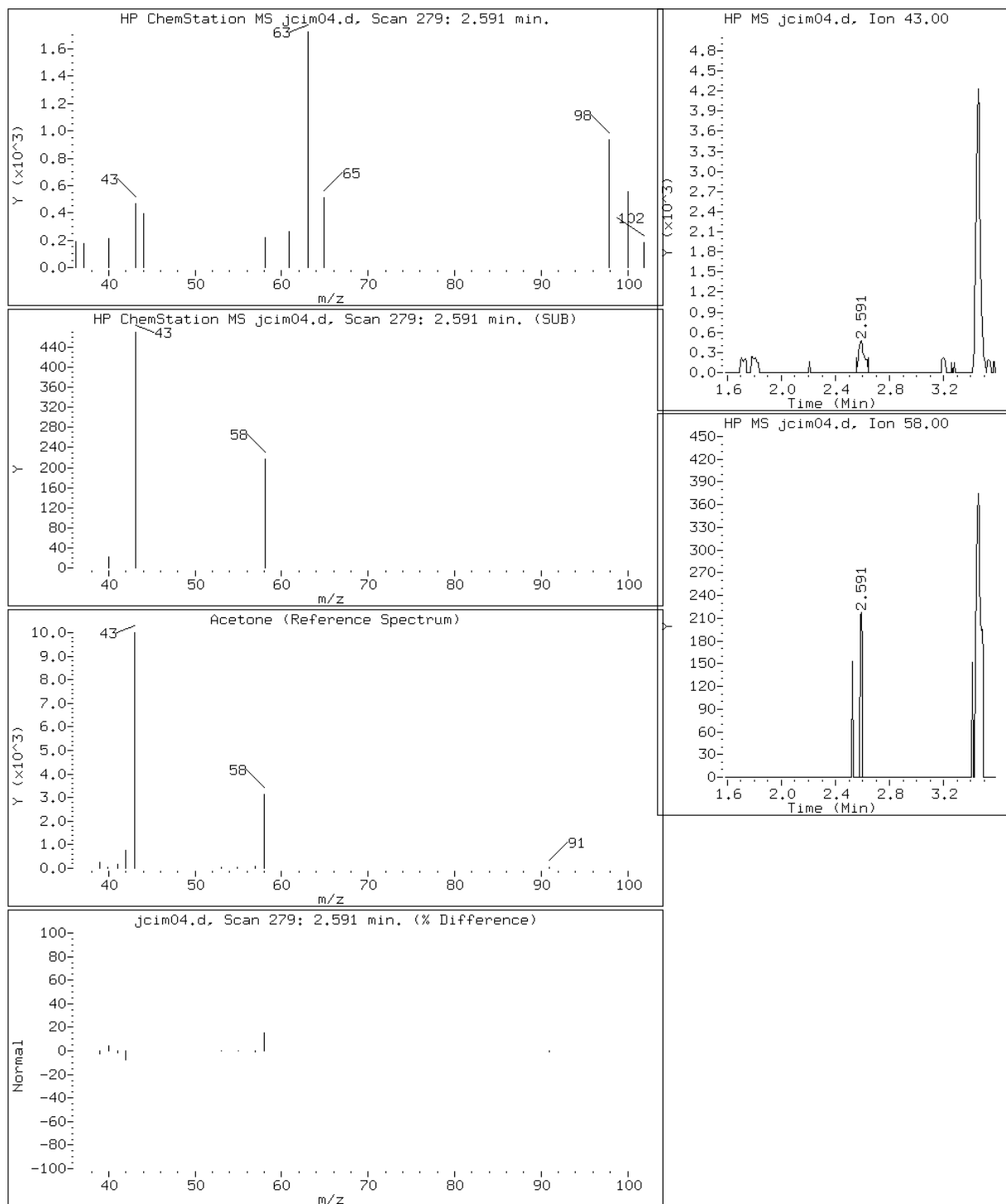
Sample Info: MB

Date: 28-JAN-2011 16:30

Instrument: J.i

Operator: JH2

12 Acetone



Data File: jcim04.d

Lab Sample ID: MB

Client ID: VBLKJG

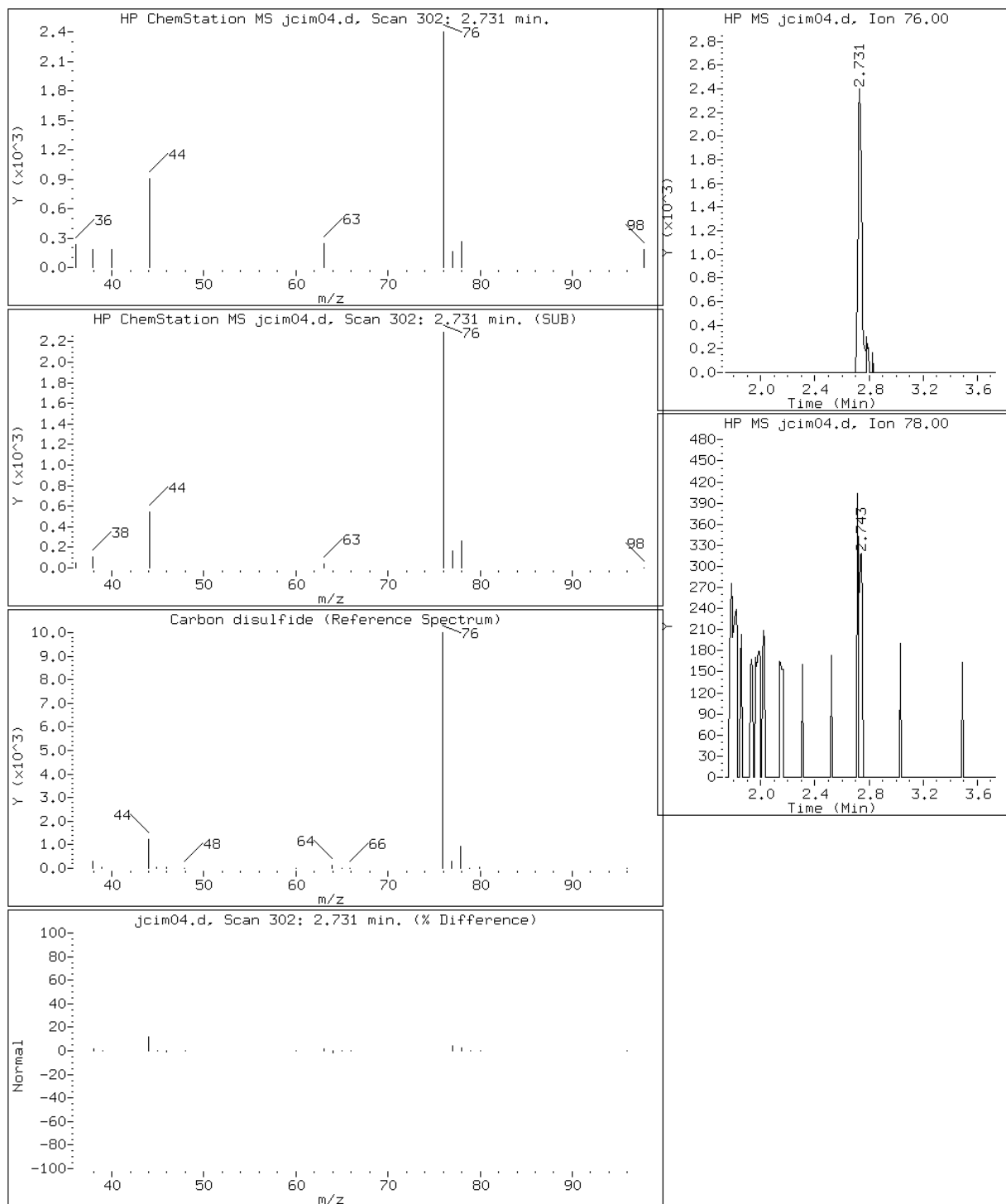
Sample Info: MB

Date: 28-JAN-2011 16:30

Instrument: J.i

Operator: JH2

13 Carbon disulfide



Data File: jcim04.d

Lab Sample ID: MB

Client ID: VBLKJG

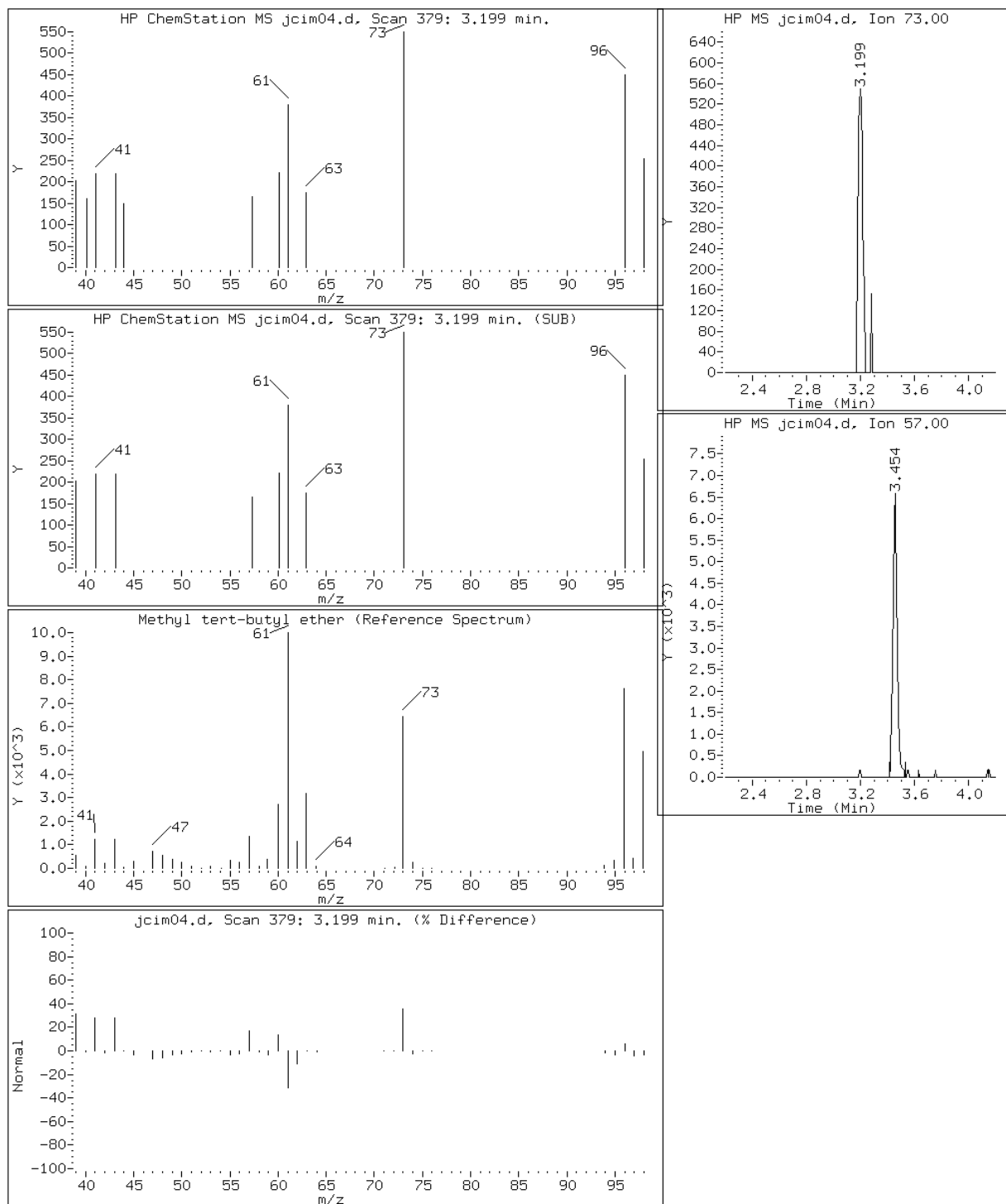
Sample Info: MB

Date: 28-JAN-2011 16:30

Instrument: J.i

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcim04.d

Lab Sample ID: MB

Client ID: VBLKJG

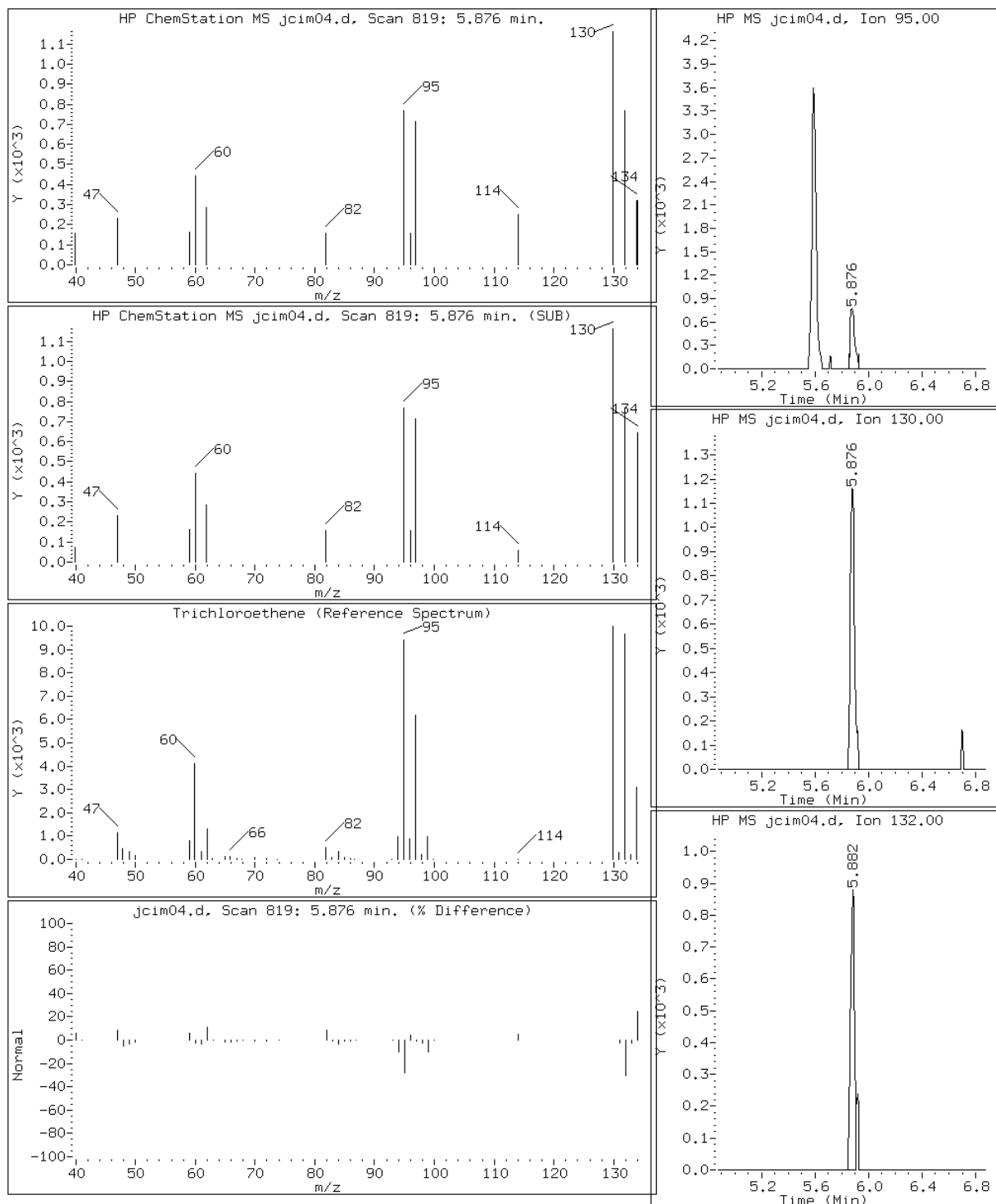
Sample Info: MB

Date: 28-JAN-2011 16:30

Instrument: J.i

Operator: JH2

33 Trichloroethene



Data File: jcim04.d

Lab Sample ID: MB

Date: 28-JAN-2011 16:30

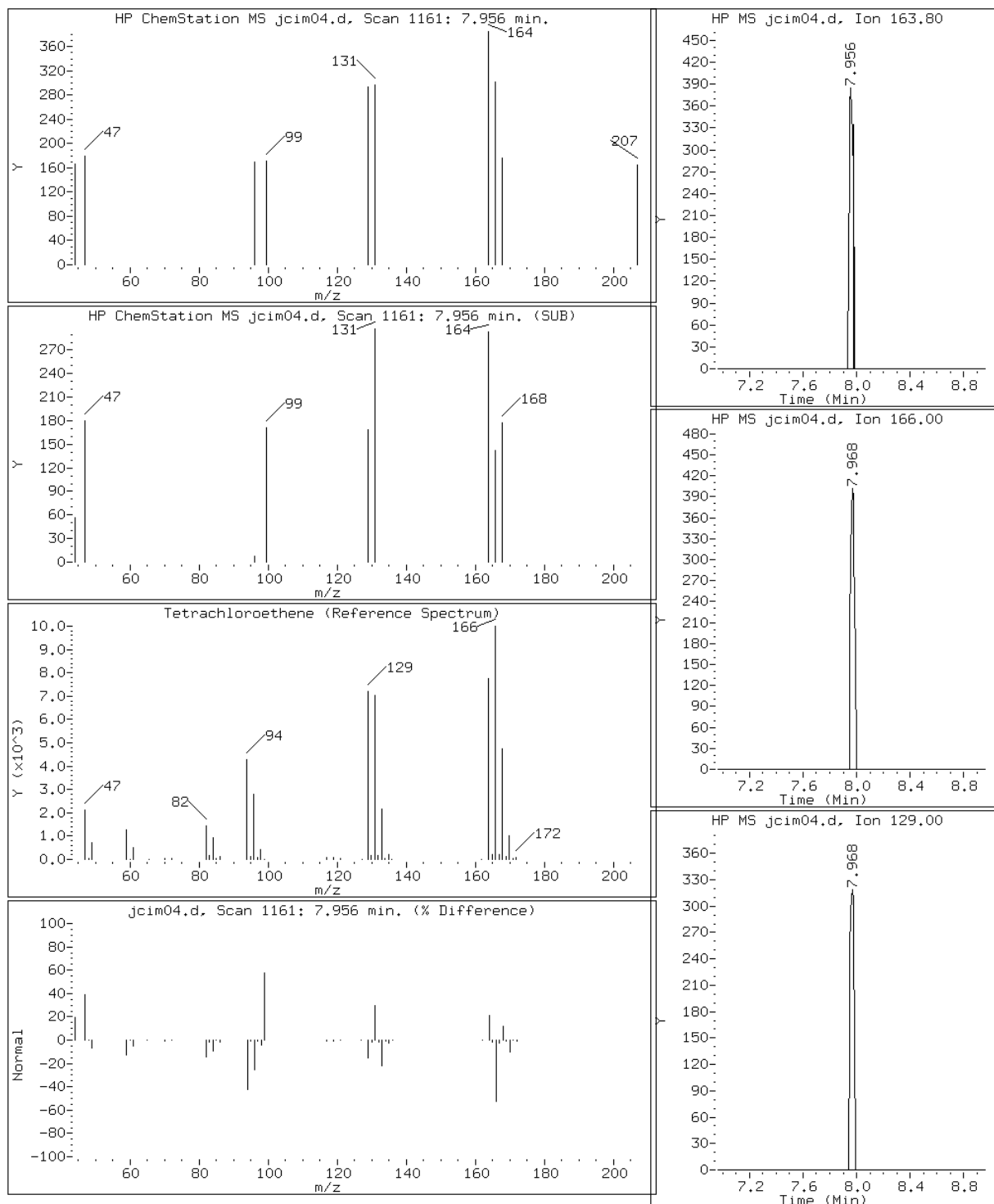
Client ID: VBLKJG

Instrument: J.i

Sample Info: MB

Operator: JH2

45 Tetrachloroethene



Data File: jcim04.d

Lab Sample ID: MB

Client ID: VBLKJG

Sample Info: MB

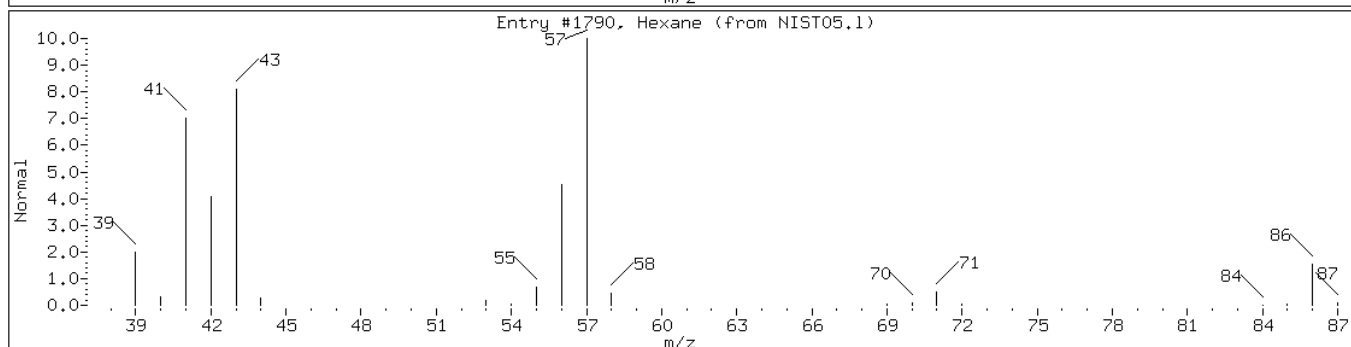
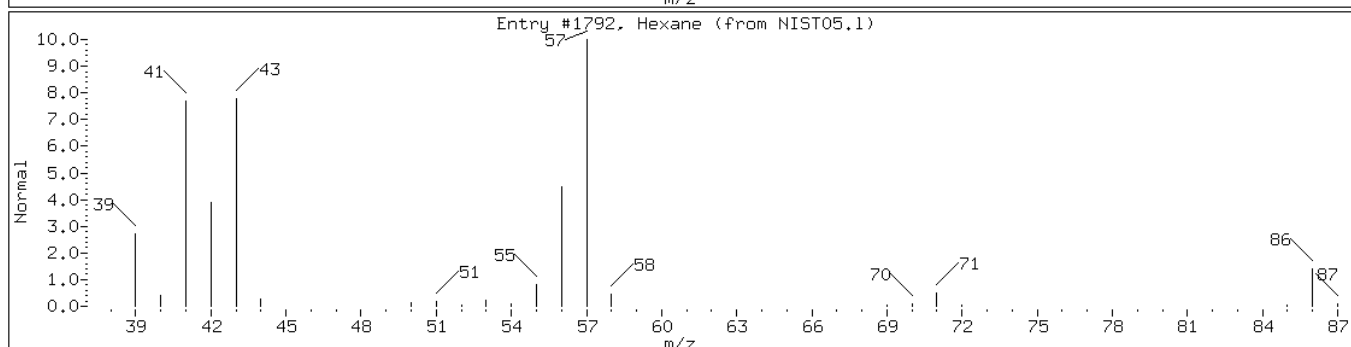
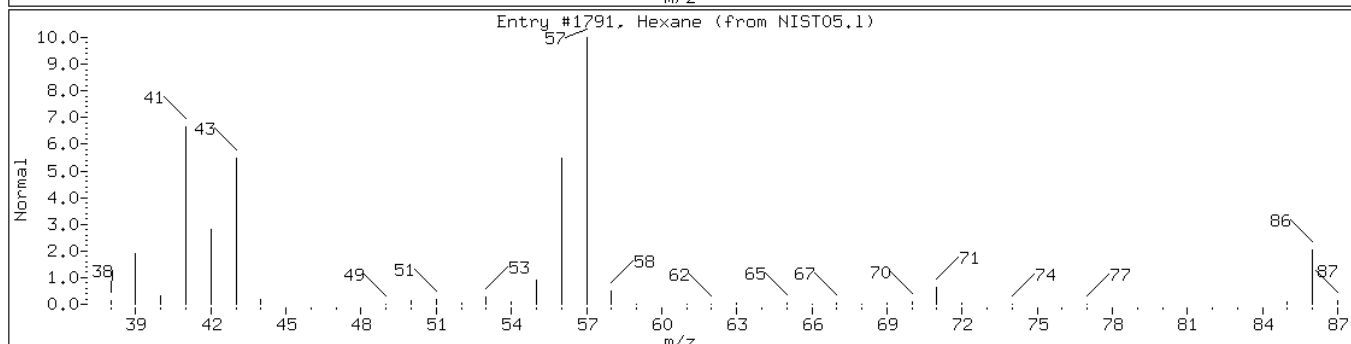
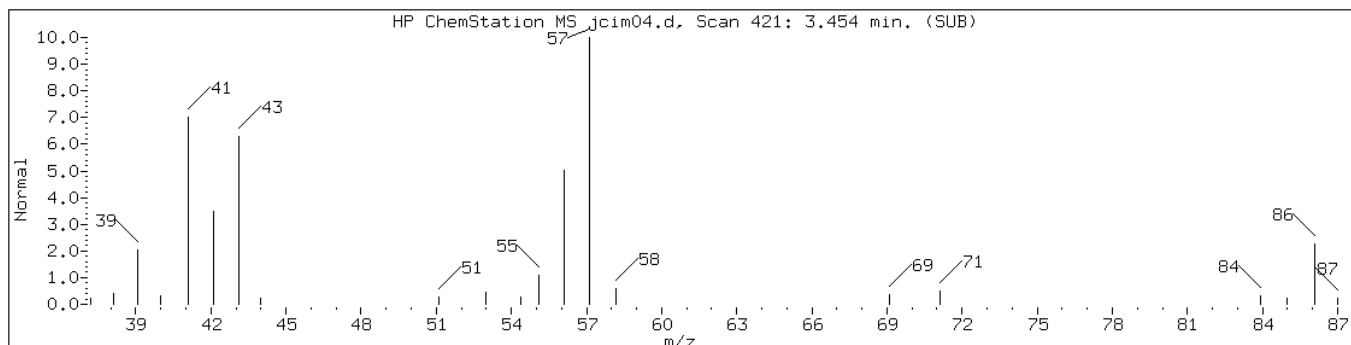
Date: 28-JAN-2011 16:30

Instrument: J.i

Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	87	C6H14	86
Hexane	110-54-3	NIST05.1	1792	64	C6H14	86
Hexane	110-54-3	NIST05.1	1790	64	C6H14	86



Data File: jcim04.d

Lab Sample ID: MB

Client ID: VBLKJG

Sample Info: MB

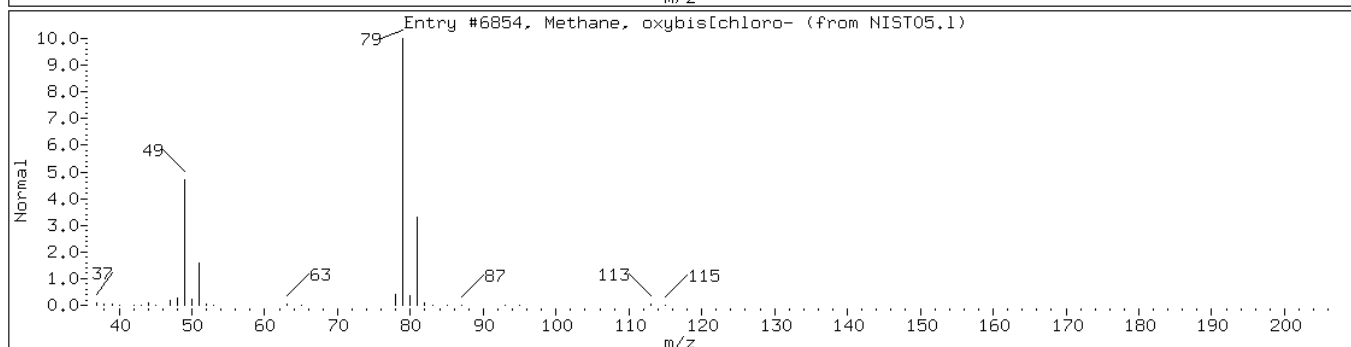
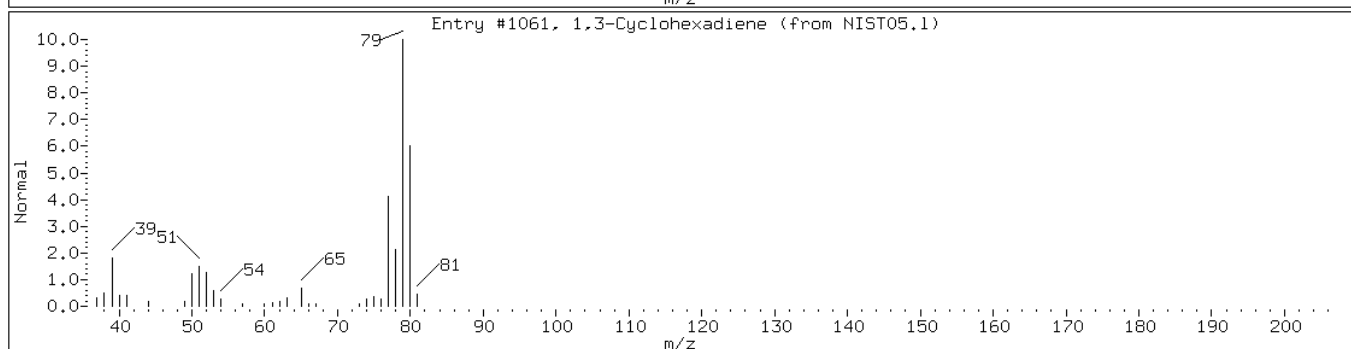
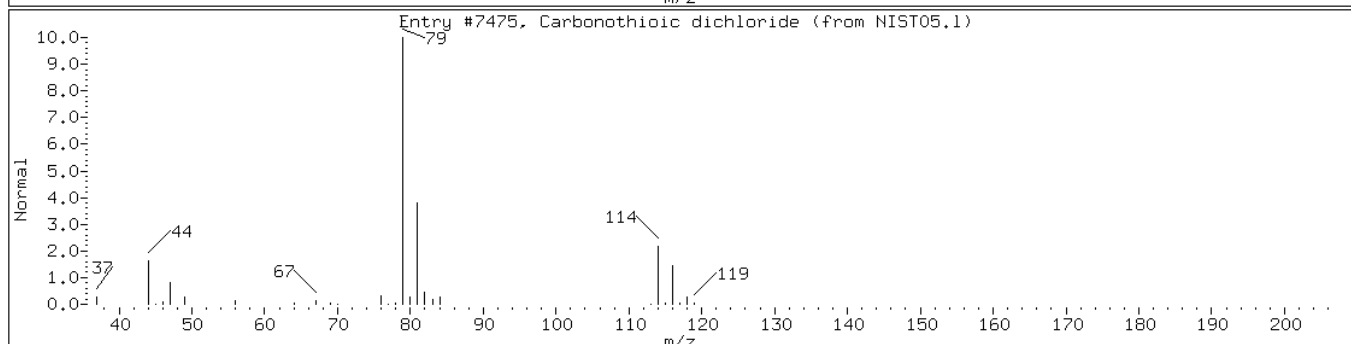
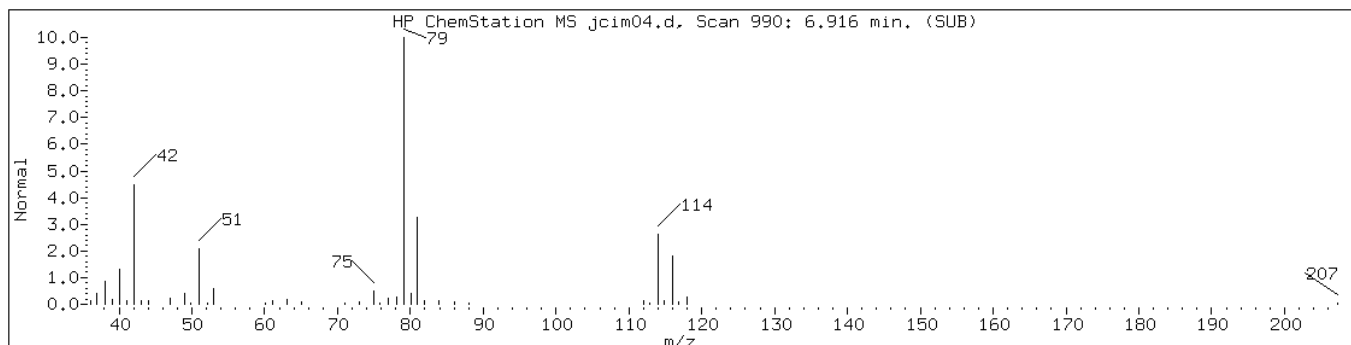
Date: 28-JAN-2011 16:30

Instrument: J.i

Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



Data File: jcim04.d

Lab Sample ID: MB

Client ID: VBLKJG

Sample Info: MB

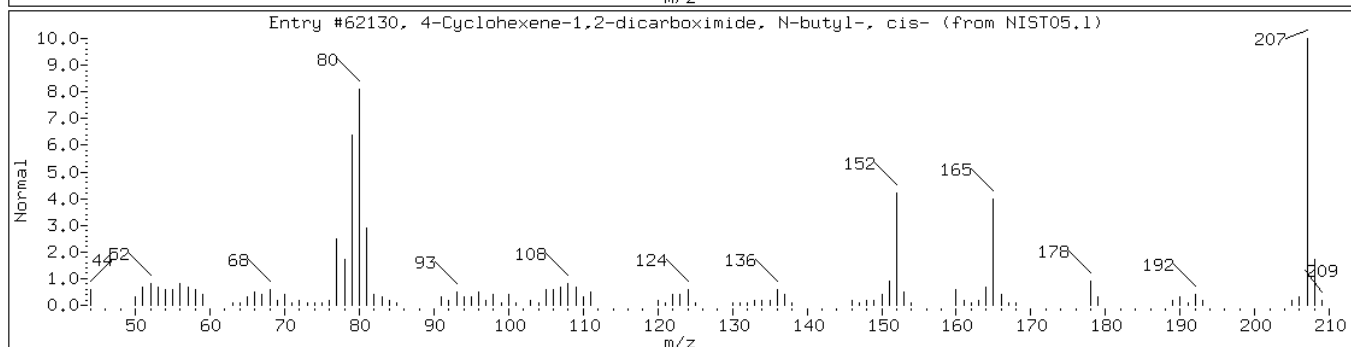
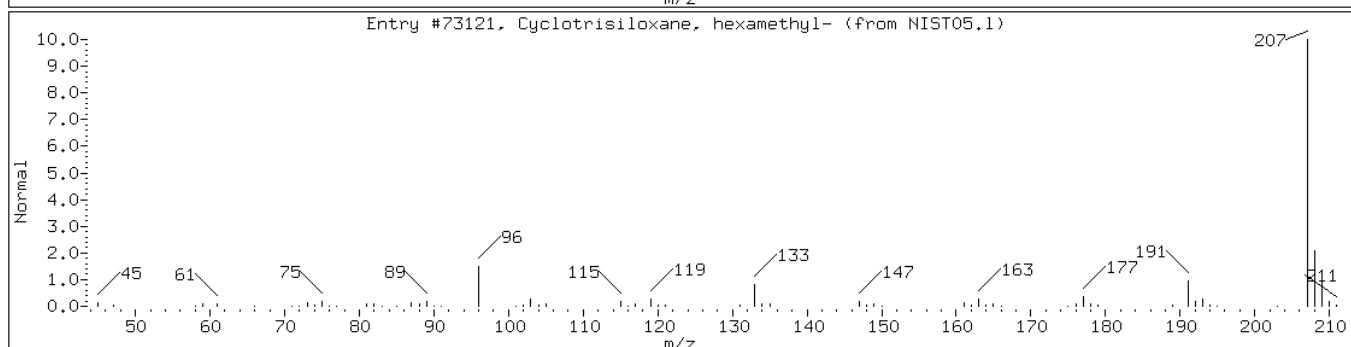
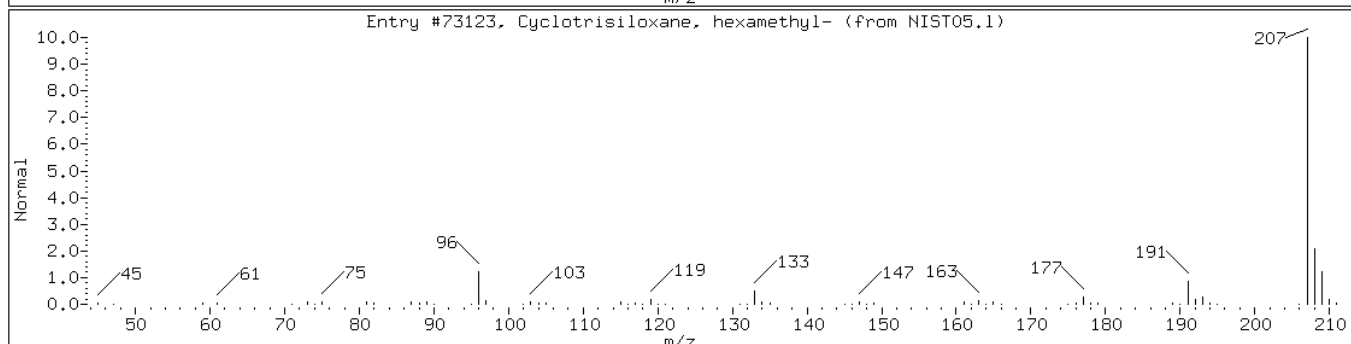
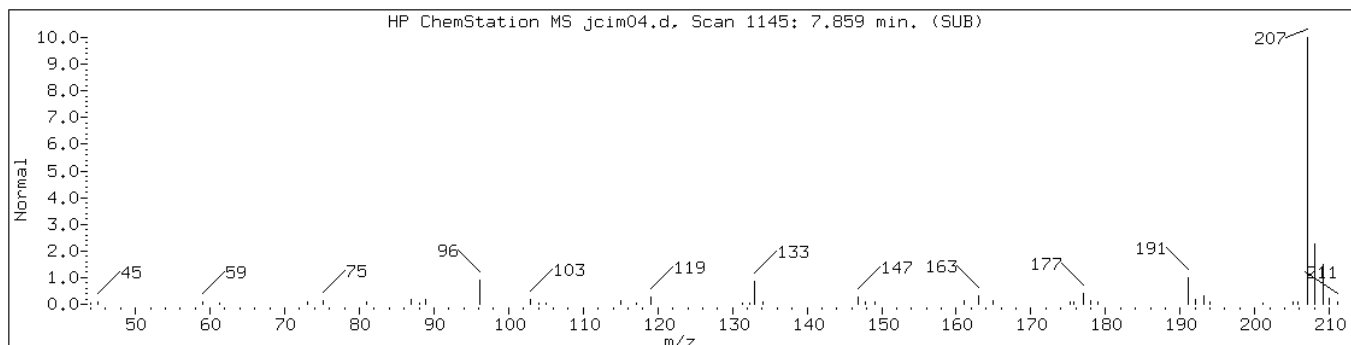
Date: 28-JAN-2011 16:30

Instrument: J.i

Operator: JH2

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	80	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C ₆ H ₁₈ O ₃ Si ₃	222
4-Cyclohexene-1,2-dicarboximide, N	28916-00-9	NIST05.1	62130	42	C ₁₂ H ₁₇ N ₂ O ₂	207



Data File: jcim04.d

Lab Sample ID: MB

Client ID: VBLKJG

Sample Info: MB

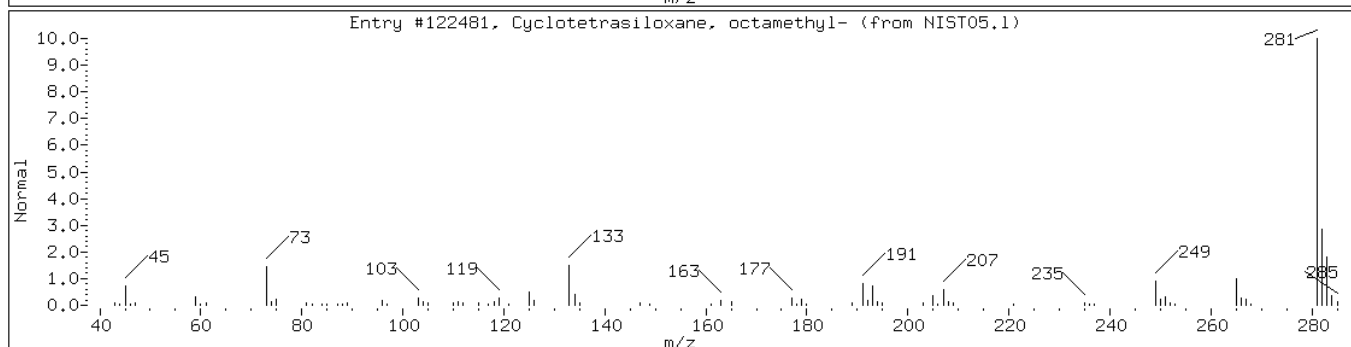
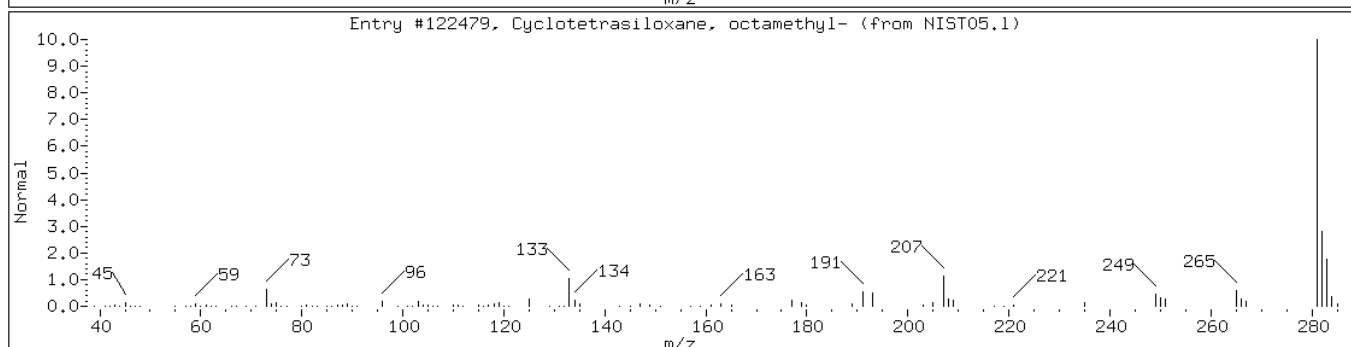
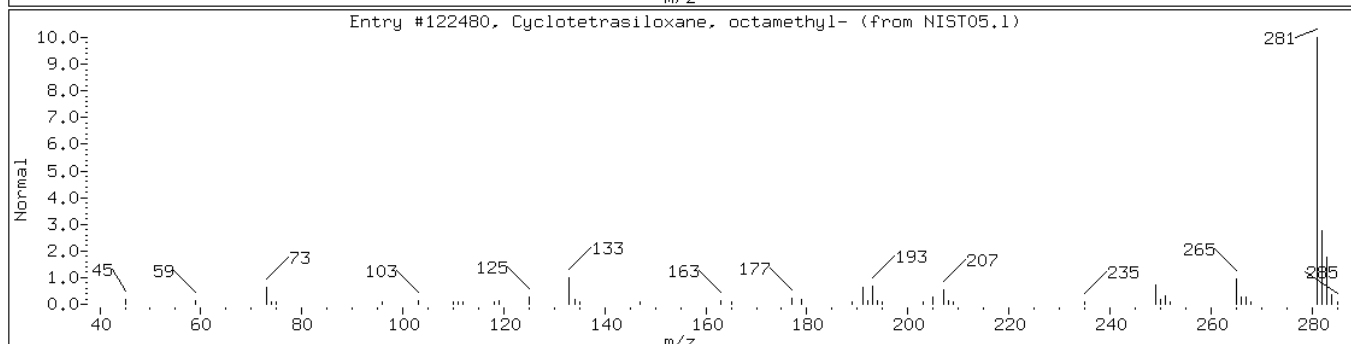
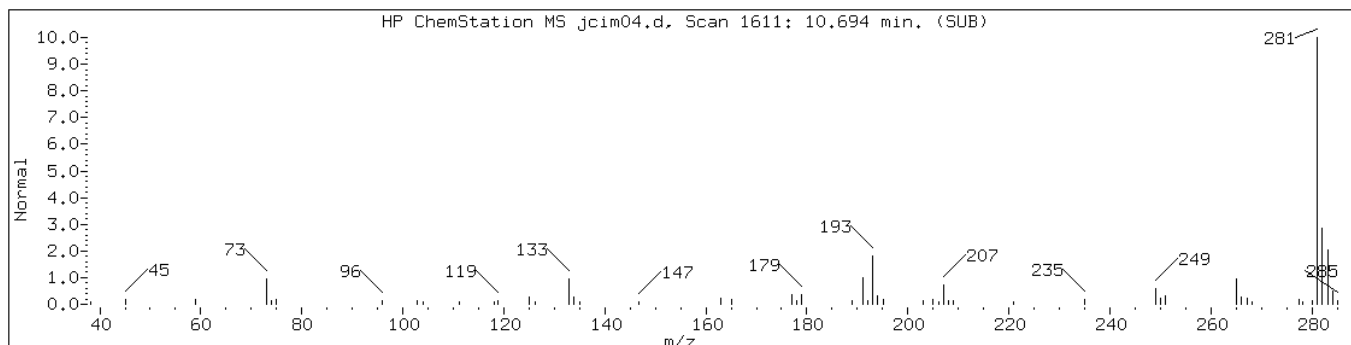
Date: 28-JAN-2011 16:30

Instrument: J.i

Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	91	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	83	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	72	C ₈ H ₂₄ O ₄ Si ₄	296



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcifsmttr.b/jcif09.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJT
Inj Date : 24-JAN-2011 11:34
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
1 Dichlorodifluoromethane	85						
2 Chloromethane	50						
\$ 3 Vinyl chloride-d3	65	1.623	1.623	(0.290)	96590	133.234	5.3
4 Vinyl chloride	62						
5 Bromomethane	94						
\$ 6 Chloroethane-d5	69	1.922	1.921	(0.344)	82429	137.489	5.5
7 Chloroethane	64						
8 Trichlorofluoromethane	101						
\$ 9 1,1-Dichloroethene-d2	63	2.530	2.530	(0.453)	137342	104.339	4.2
10 1,1-Dichloroethene	96						
11 1,1,2-Trichloro-1,2,2-trifluo	101						
12 Acetone	43						
13 Carbon disulfide	76	2.731	2.731	(0.488)	3252	1.72353	0.069(a)
14 Methyl acetate	43						
15 Methylene chloride	84						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ng)	FINAL (ug/L)
=====	=====	==	=====	=====	=====	=====	=====
16 trans-1,2-Dichloroethene	96				Compound Not Detected.		
17 Methyl tert-butyl ether	73	3.199	3.193	(0.572)	1206	1.68960	0.068(aQ)
18 1,1-Dichloroethane	63				Compound Not Detected.		
\$ 19 2-Butanone-d5	46	4.173	4.172	(0.746)	65012	1256.17	50
20 cis-1,2-Dichloroethene	96				Compound Not Detected.		
21 2-Butanone	43				Compound Not Detected.		
22 Bromochloromethane	128				Compound Not Detected.		
\$ 23 Chloroform-d	84	4.538	4.537	(0.812)	142651	130.509	5.2(Q)
24 Chloroform	83				Compound Not Detected.		
25 1,1,1-Trichloroethane	97				Compound Not Detected.		
26 Cyclohexane	56				Compound Not Detected.		
27 Carbon tetrachloride	117				Compound Not Detected.		
\$ 28 1,2-Dichloroethane-d4	65	5.103	5.103	(0.913)	48631	126.710	5.1
\$ 29 Benzene-d6	84	5.115	5.115	(0.572)	309720	134.285	5.4
30 Benzene	78				Compound Not Detected.		
31 1,2-Dichloroethane	62				Compound Not Detected.		
* 32 1,4-Difluorobenzene	114	5.590	5.590	(1.000)	264031	125.000	
33 Trichloroethene	95	5.876	5.876	(0.657)	4684	7.28223	0.29(a)
\$ 34 1,2-Dichloropropane-d6	67	6.034	6.028	(0.675)	70604	120.998	4.8
35 Methylcyclohexane	55				Compound Not Detected.		
36 1,2-Dichloropropane	63				Compound Not Detected.		
37 Bromodichloromethane	83				Compound Not Detected.		
38 cis-1,3-Dichloropropene	75				Compound Not Detected.		
39 4-Methyl-2-pentanone	43				Compound Not Detected.		
\$ 40 Toluene-d8	98	7.257	7.257	(0.812)	296451	137.083	5.5
41 Toluene	91				Compound Not Detected.		
\$ 42 trans-1,3-Dichloropropene-d4	79	7.573	7.573	(0.847)	53865	131.002	5.2
43 trans-1,3-Dichloropropene	75				Compound Not Detected.		
44 1,1,2-Trichloroethane	97				Compound Not Detected.		
45 Tetrachloroethene	163				Compound Not Detected.		
\$ 46 2-Hexanone-d5	63	8.066	8.066	(0.902)	49941	1290.87	52
47 2-Hexanone	43				Compound Not Detected.		
48 Dibromochloromethane	129				Compound Not Detected.		
49 1,2-Dibromoethane	107				Compound Not Detected.		
* 50 Chlorobenzene-d5	117	8.942	8.942	(1.000)	214975	125.000	
51 Chlorobenzene	112				Compound Not Detected.		
52 Ethylbenzene	91				Compound Not Detected.		
53 m,p-Xylene	106				Compound Not Detected.		
54 Styrene	104				Compound Not Detected.		
55 o-Xylene	106				Compound Not Detected.		
56 Bromoform	172				Compound Not Detected.		
57 Isopropylbenzene	105				Compound Not Detected.		
\$ 58 1,1,2,2-Tetrachloroethane-d2	84	10.530	10.530	(1.178)	27674	120.094	4.8
59 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
60 1,3-Dichlorobenzene	146				Compound Not Detected.		
* 61 1,4-Dichlorobenzene-d4	152	11.771	11.765	(1.000)	99832	125.000	
62 1,4-Dichlorobenzene	146				Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ng)	(ug/L)
=====	====	==	=====	=====	=====	=====	=====
\$ 63 1,2-Dichlorobenzene-d4	152	12.209	12.209	(1.037)	79039	133.333	5.3
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jcifsmttr.b/jcif09.d
Lab Smp Id: VIBLK Client Smp ID: VIBLKJT
Inj Date : 24-JAN-2011 11:34
Operator : JH2 Inst ID: J.i
Smp Info : VIBLK
Misc Info : 1,5
Comment :
Method : /chem/J.i/Jsvr.p/jcifsmttr.b/somtr5t.m
Meth Date : 25-Jan-2011 07:13 jh2 Quant Type: ISTD
Cal Date : 14-JAN-2011 13:20 Cal File: jci08.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 32 1,4-Difluorobenzene	5.590	583863	125.000
* 50 Chlorobenzene-d5	8.942	628542	125.000
* 61 1,4-Dichlorobenzene-d4	11.771	583157	125.000

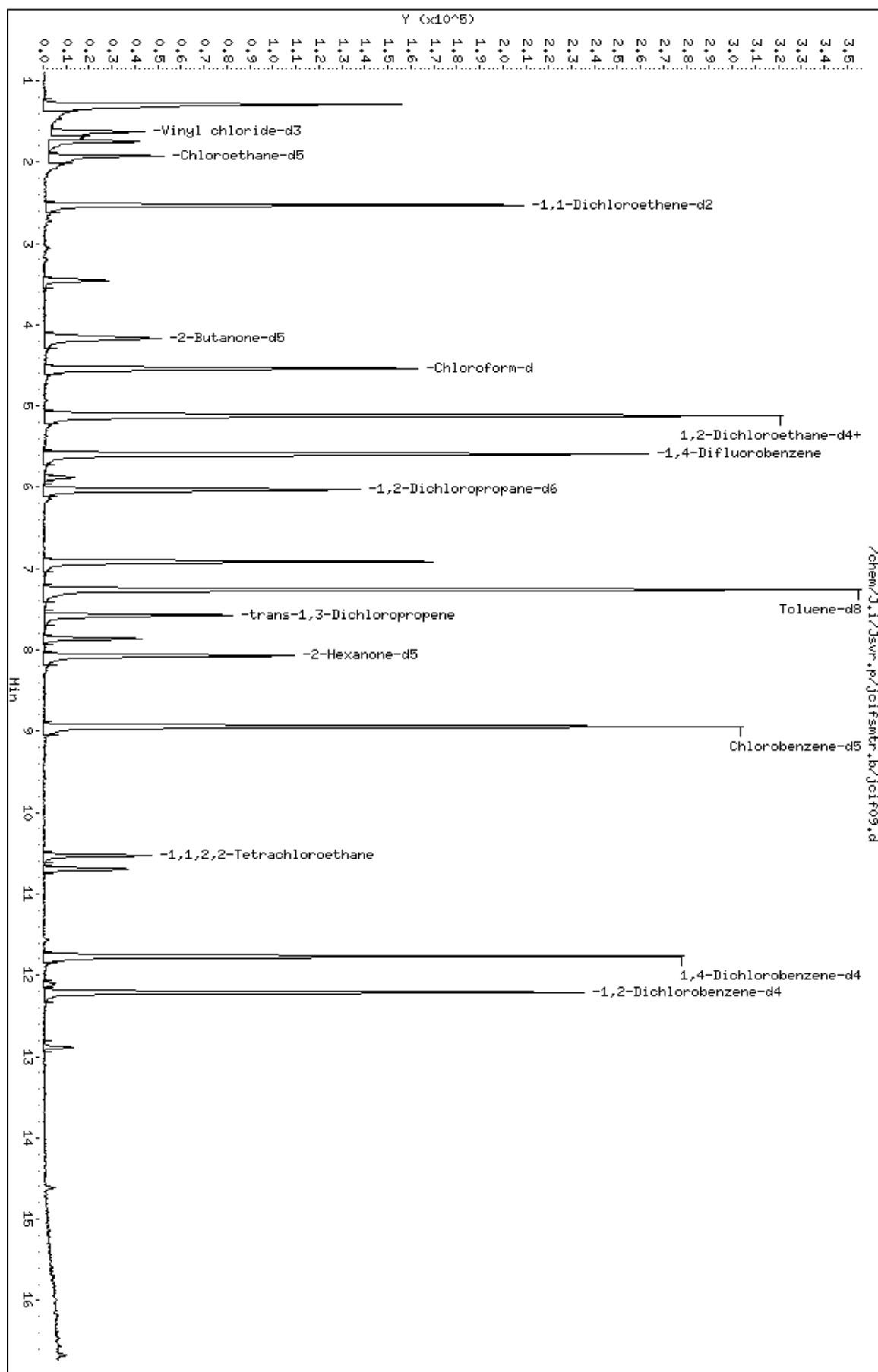
CONCENTRATIONS				QUANT			
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
=====	=====	=====	=====	=====	=====	=====	=====
Trimethylsilyl fluoride					CAS #: 420-56-4		
1.745	89744	19.2134044	0.77	91	NIST05.1	2373	32

RT	AREA	CONCENTRATIONS		QUAL	QUANT		CPND #
		ON-COL(ng)	FINAL(ug/L)		LIBRARY	LIB ENTRY	
=====	=====	=====	=====	=====	=====	=====	=====
Unknown alkane					CAS #:		
3.455	65137	13.9452209	0.56	0		0	32
Unknown					CAS #:		
6.916	365887	78.3332416	3.1	0		0	32
Cyclotrisiloxane, hexamethyl-					CAS #: 541-05-9		
7.859	100242	19.9353959	0.80	90	NIST05.l	73121	50
Unknown siloxane derivative					CAS #:		
10.694	82638	17.7134312	0.71	0		0	61

Data File: /chem/J.i/Jswr.p/joifsmtf.b/joif09.d
 Date : 24-JAN-2011 11:34
 Client ID: WILKJT
 Sample Info: WILK
 Purge Volume: 25.0
 Column phase: DB-624

Instrument: J.i
 Operator: JH2
 Column diameter: 0.20

Page 1



Data File: jcif09.d

Lab Sample ID: VIBLK

Client ID: VIBLKJT

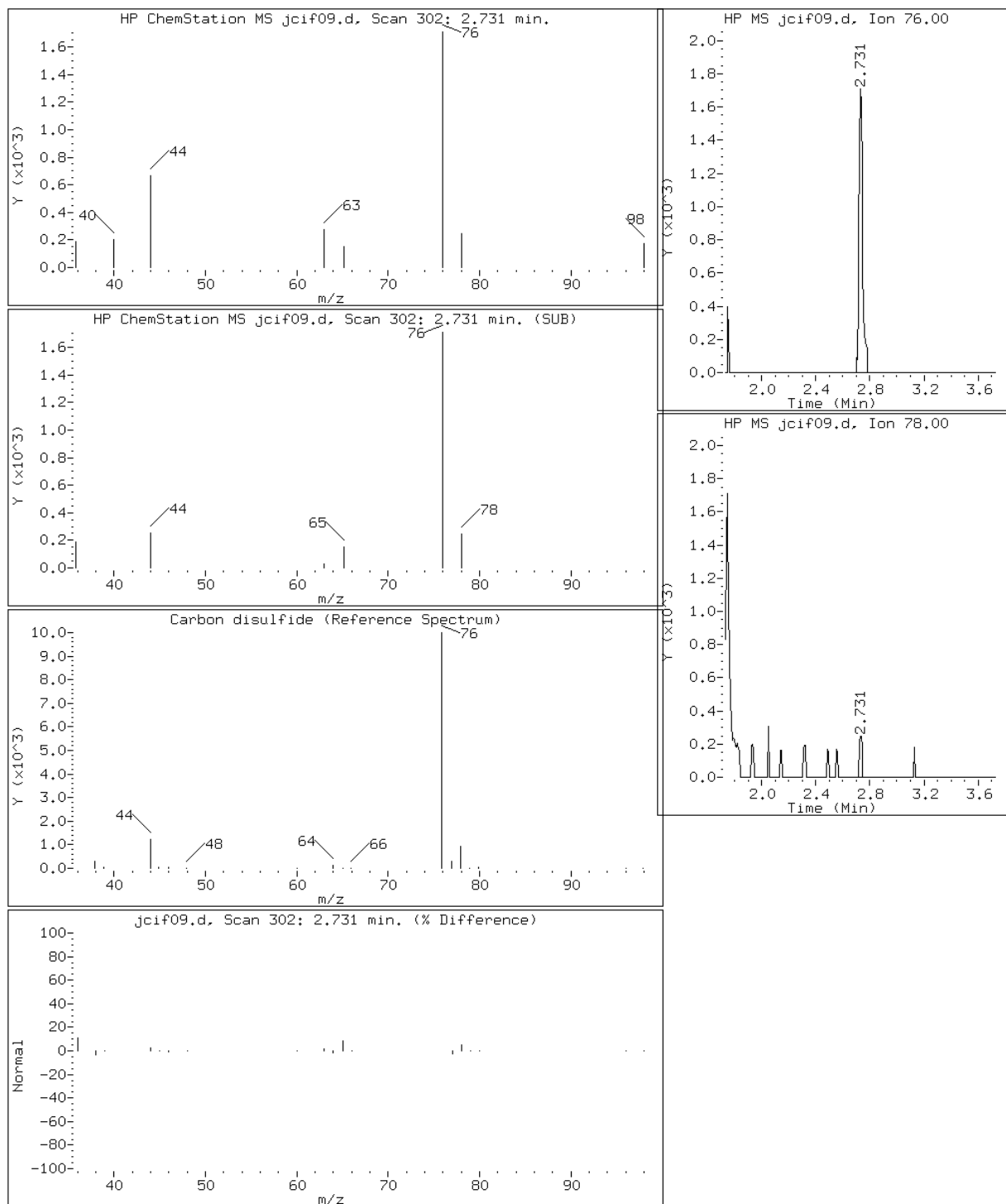
Sample Info: VIBLK

Date: 24-JAN-2011 11:34

Instrument: J.i

Operator: JH2

13 Carbon disulfide



Data File: jcif09.d

Lab Sample ID: VIBLK

Client ID: VIBLKJT

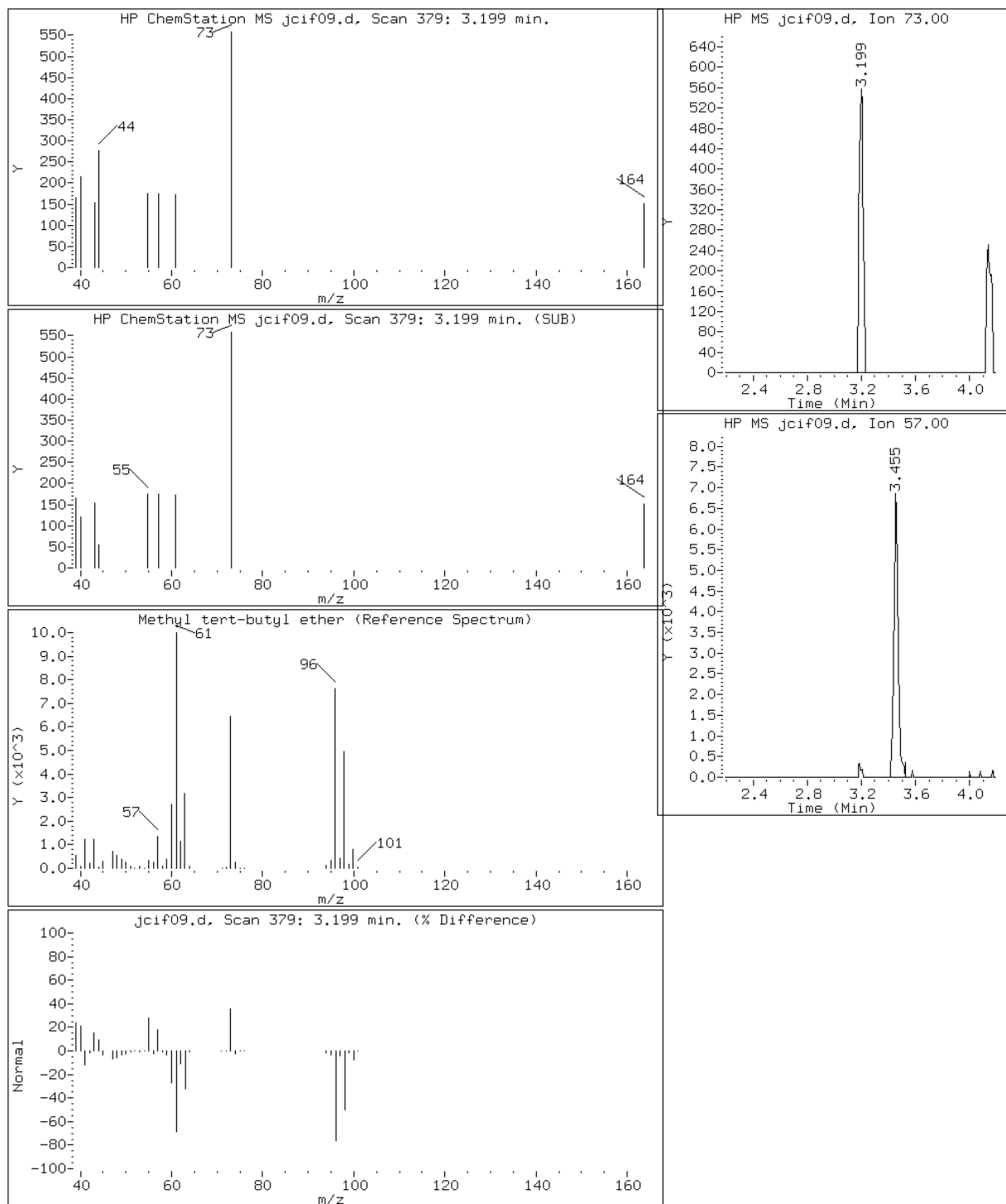
Sample Info: VIBLK

Date: 24-JAN-2011 11:34

Instrument: J.i

Operator: JH2

17 Methyl tert-butyl ether



Data File: jcif09.d

Lab Sample ID: VIBLK

Client ID: VIBLKJT

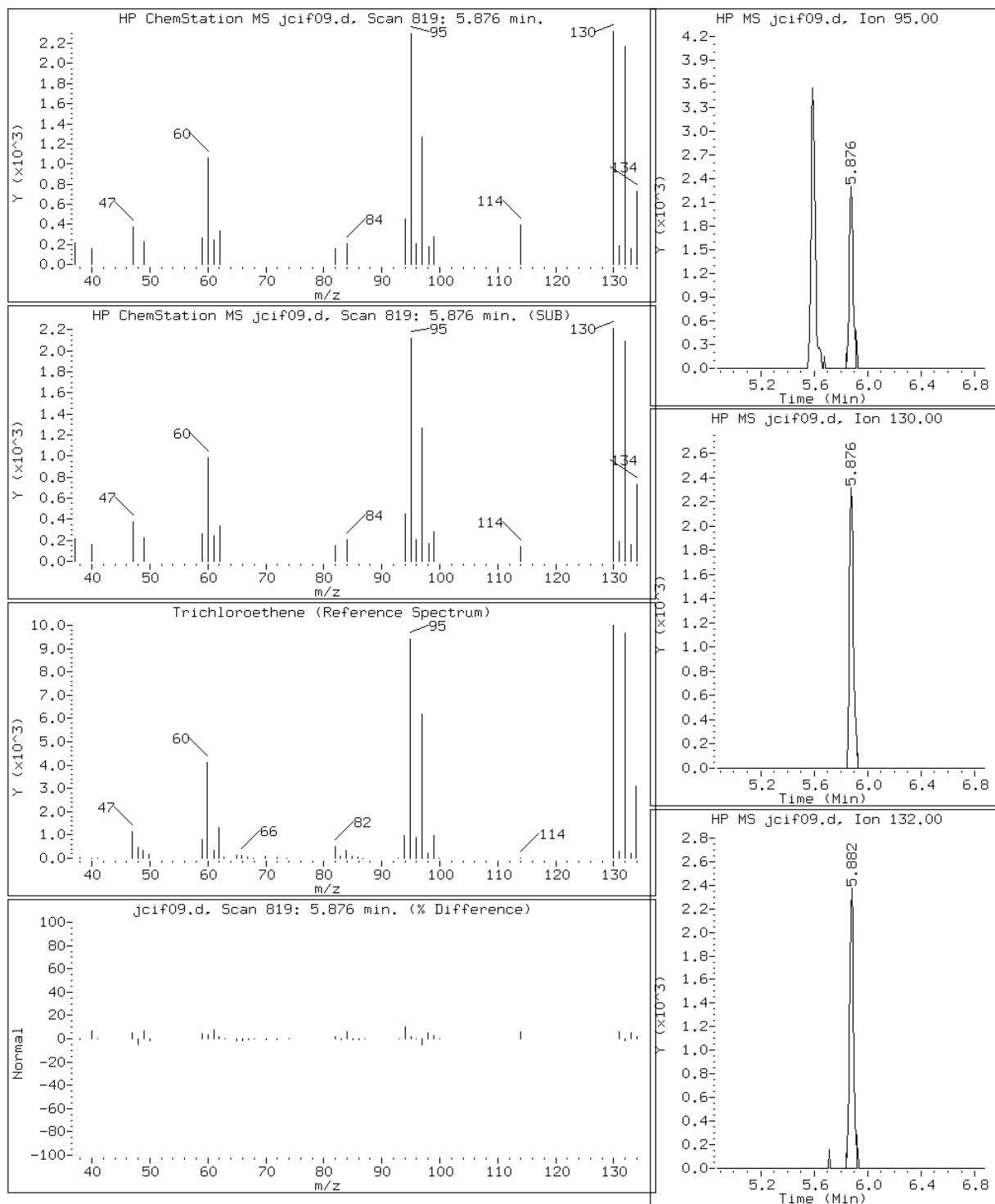
Sample Info: VIBLK

Date: 24-JAN-2011 11:34

Instrument: J.i

Operator: JH2

33 Trichloroethene

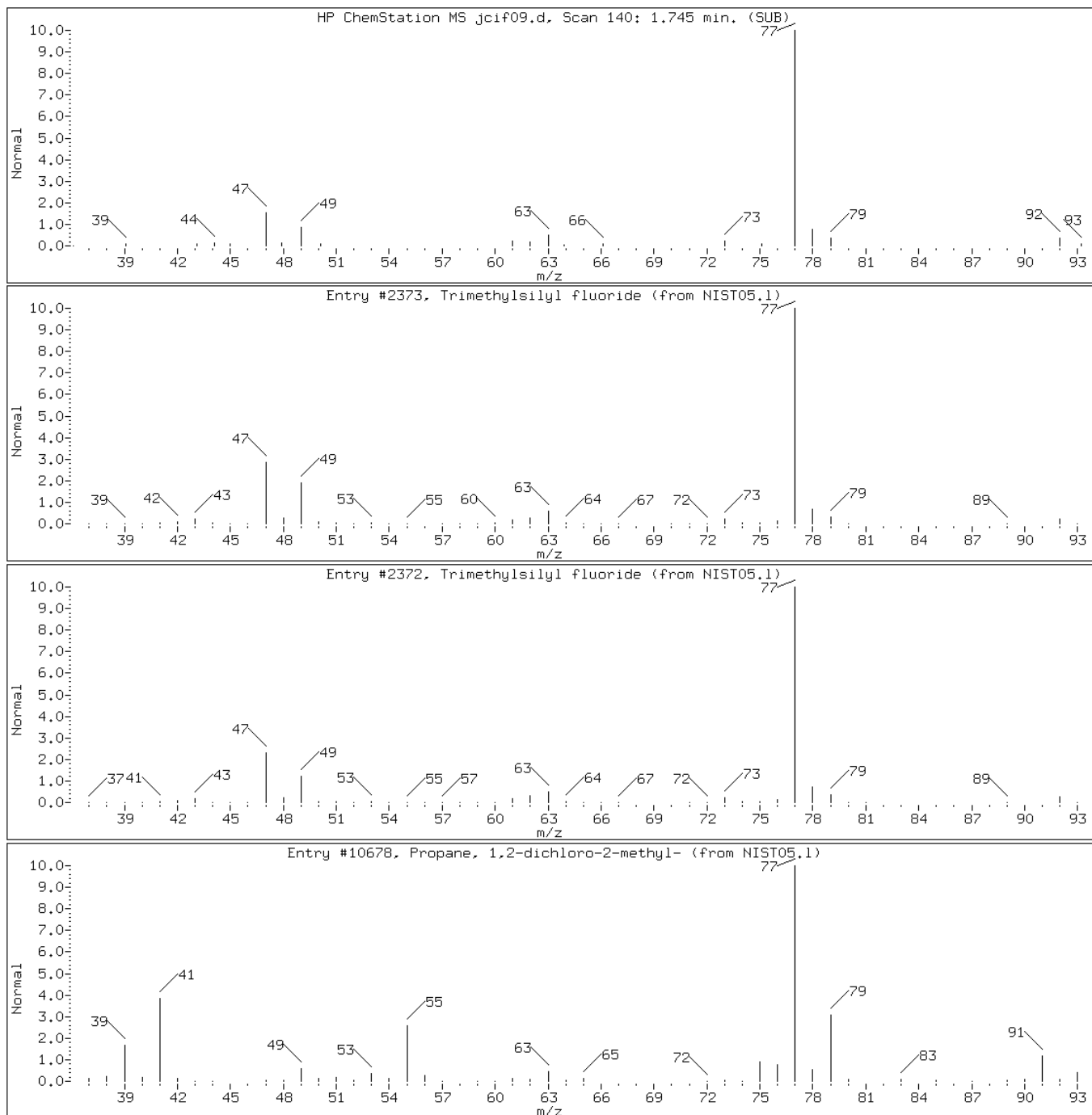


Data File: jcif09.d
Lab Sample ID: VIBLK
Client ID: VIBLKJT
Sample Info: VIBLK

Date: 24-JAN-2011 11:34
Instrument: J.i
Operator: JH2

Retention Time: 1.75

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Trimethylsilyl fluoride	420-56-4	NIST05.1	2373	91	C3H9FSi	92
Trimethylsilyl fluoride	420-56-4	NIST05.1	2372	49	C3H9FSi	92
Propane, 1,2-dichloro-2-methyl-	594-37-6	NIST05.1	10678	39	C4H8Cl2	126

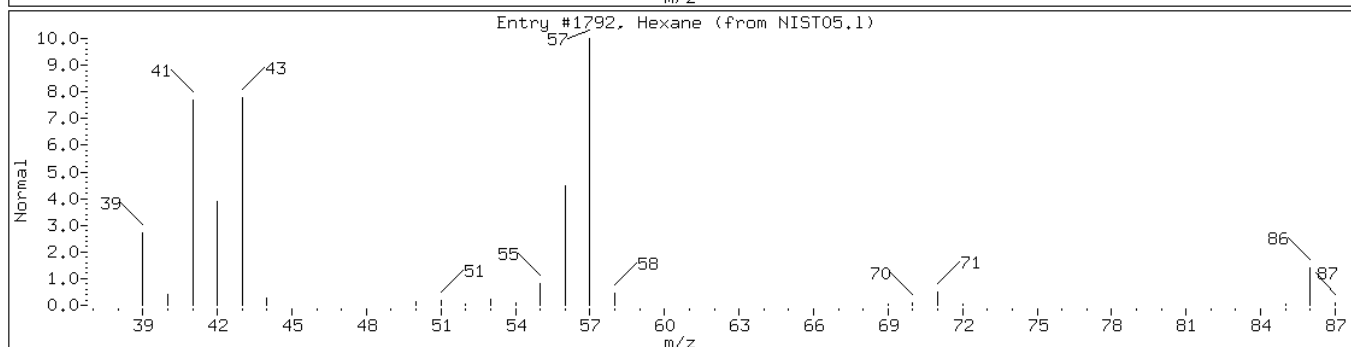
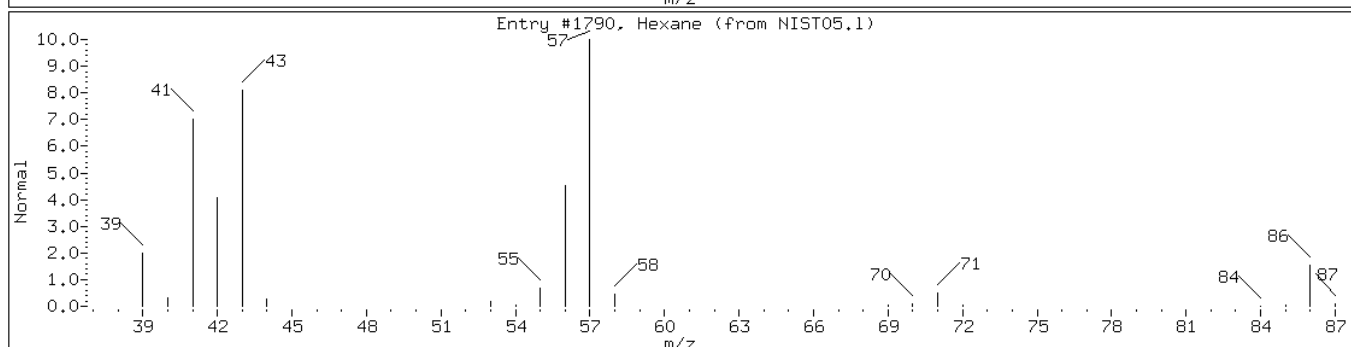
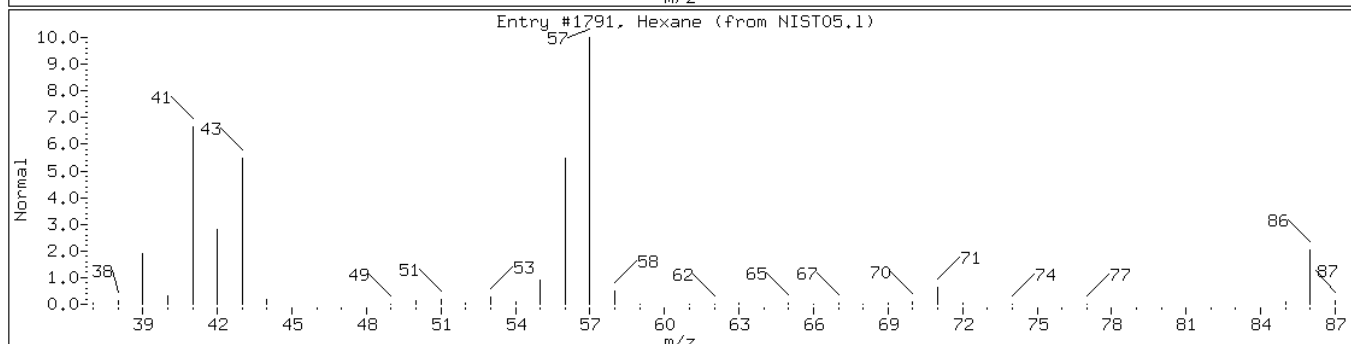
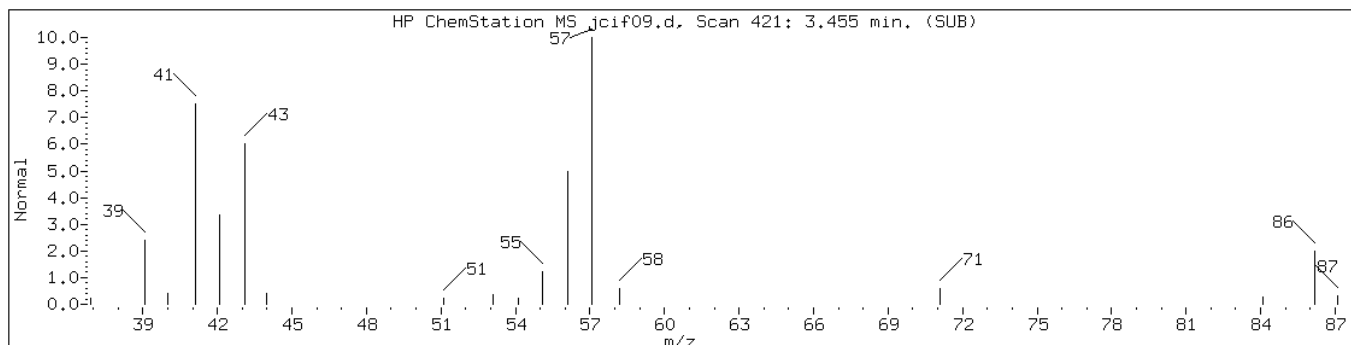


Data File: jcif09.d
Lab Sample ID: VIBLK
Client ID: VIBLKJT
Sample Info: VIBLK

Date: 24-JAN-2011 11:34
Instrument: J.i
Operator: JH2

Retention Time: 3.45

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Hexane	110-54-3	NIST05.1	1791	91	C6H14	86
Hexane	110-54-3	NIST05.1	1790	72	C6H14	86
Hexane	110-54-3	NIST05.1	1792	72	C6H14	86

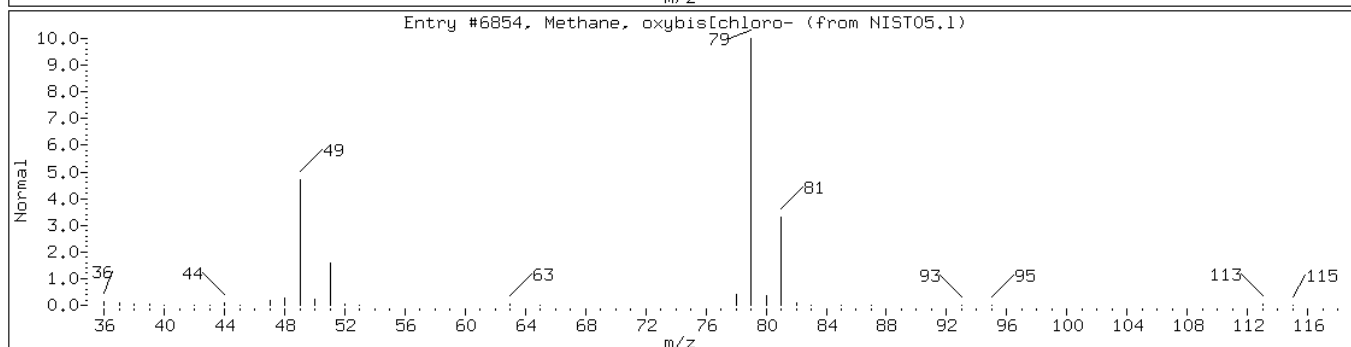
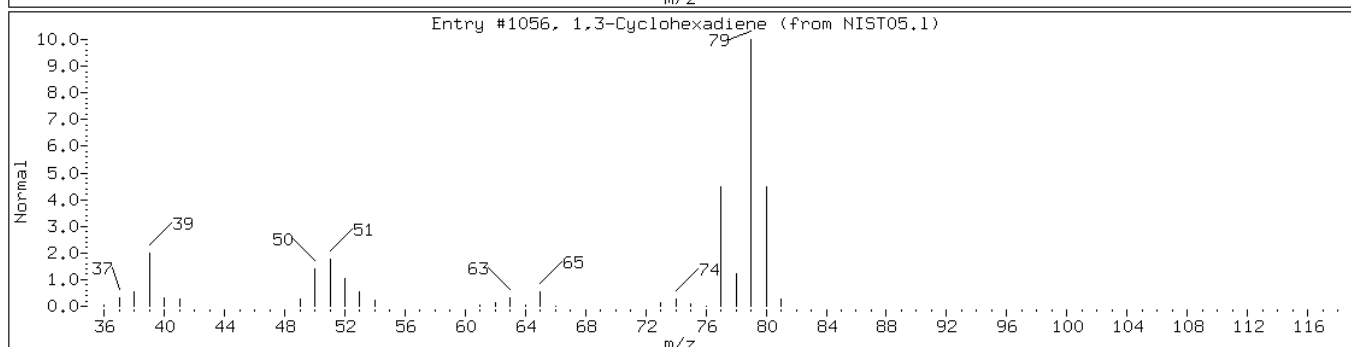
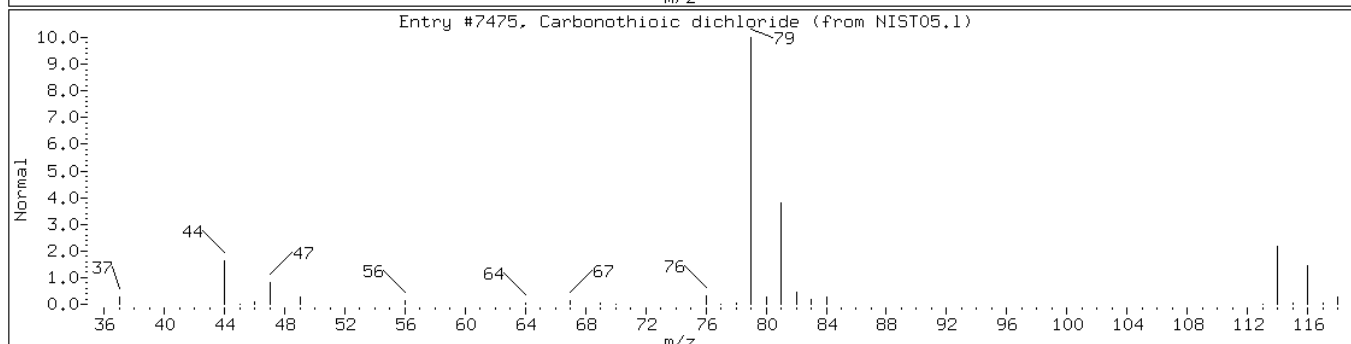
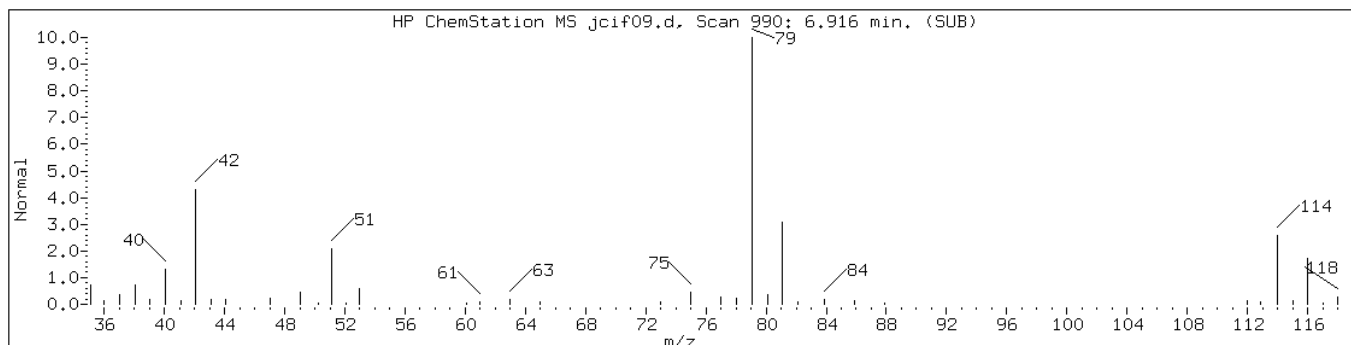


Data File: jcif09.d
Lab Sample ID: VIBLK
Client ID: VIBLKJT
Sample Info: VIBLK

Date: 24-JAN-2011 11:34
Instrument: J.i
Operator: JH2

Retention Time: 6.92

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	40	<chem>CCl2S</chem>	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1056	25	<chem>C6H8</chem>	80
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	<chem>C2H4Cl2O</chem>	114

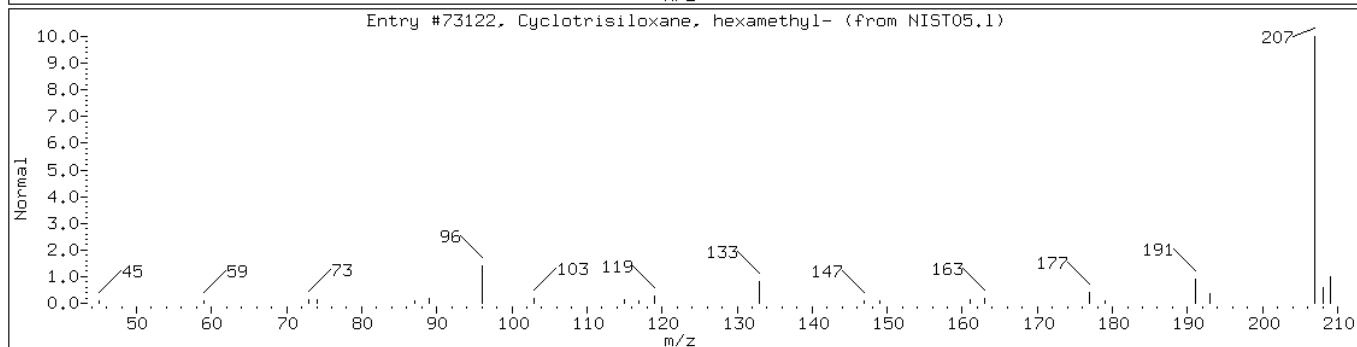
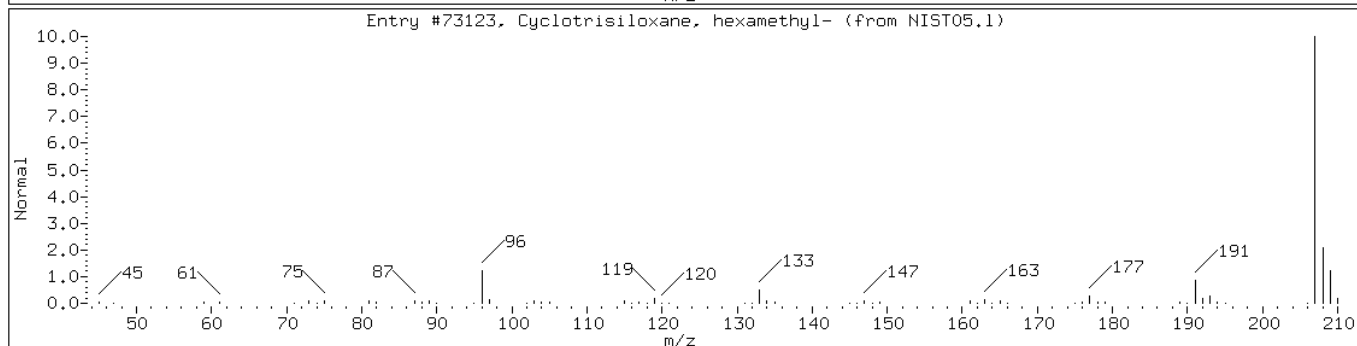
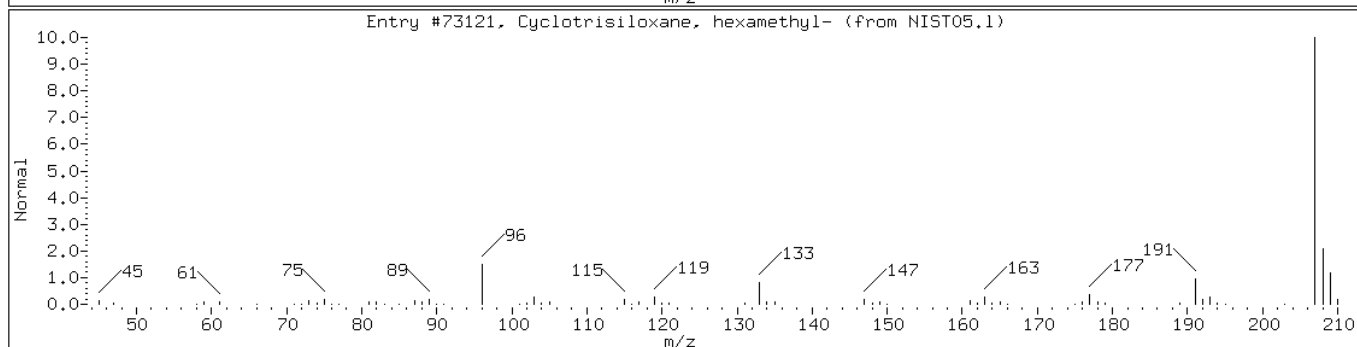
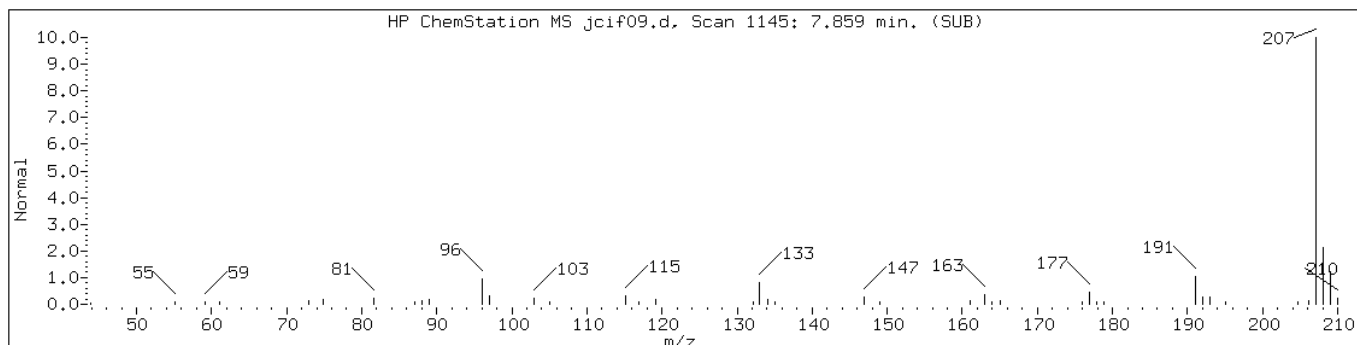


Data File: jcif09.d
Lab Sample ID: VIBLK
Client ID: VIBLKJT
Sample Info: VIBLK

Date: 24-JAN-2011 11:34
Instrument: J.i
Operator: JH2

Retention Time: 7.86

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	90	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	72	C ₆ H ₁₈ O ₃ Si ₃	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	72	C ₆ H ₁₈ O ₃ Si ₃	222

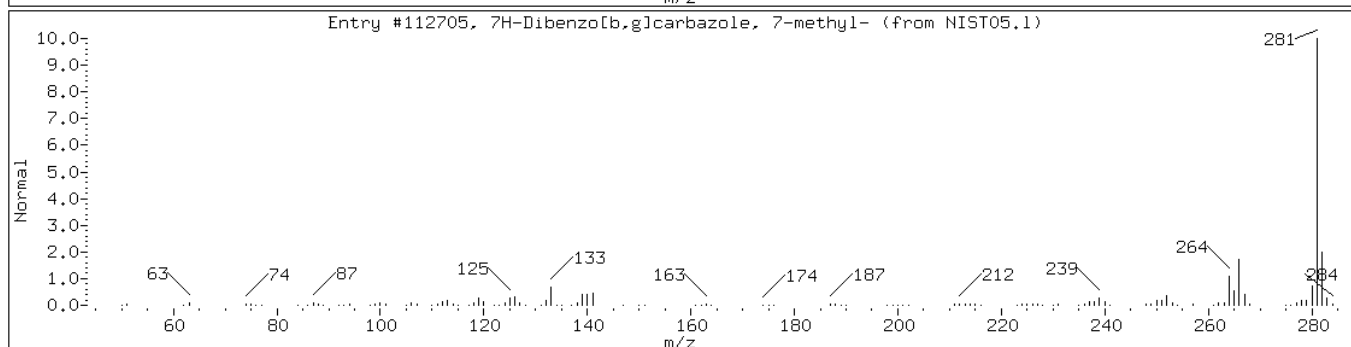
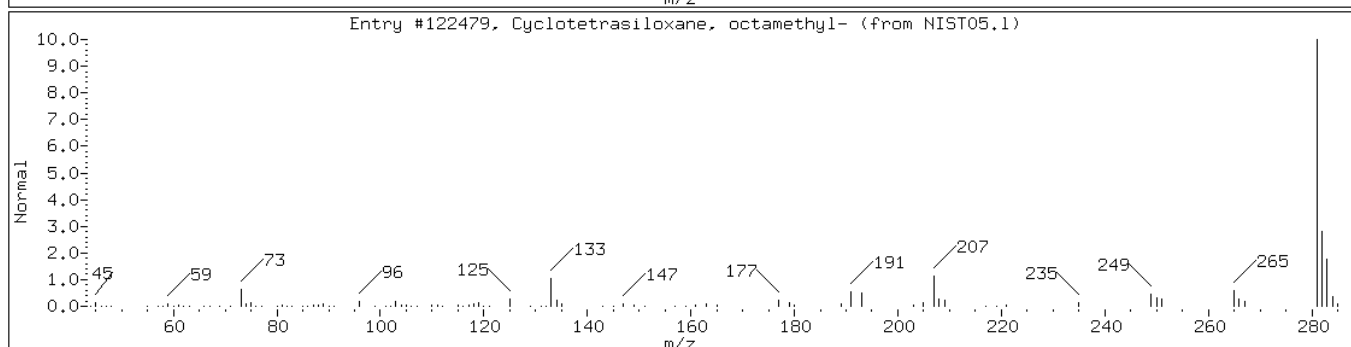
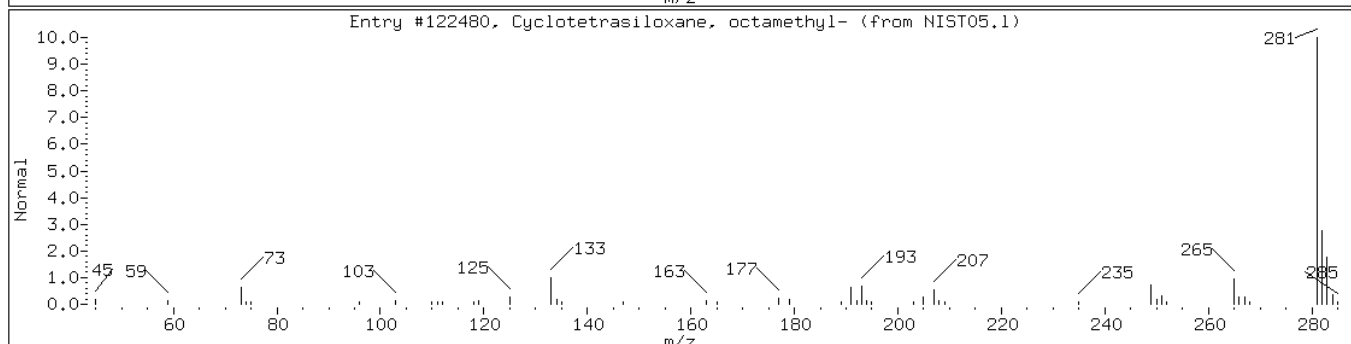
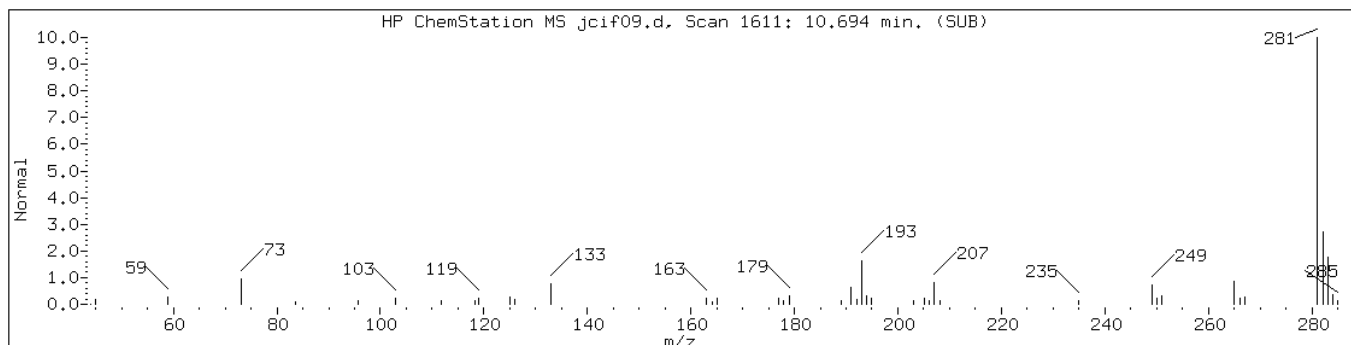


Data File: jcif09.d
Lab Sample ID: VIBLK
Client ID: VIBLKJT
Sample Info: VIBLK

Date: 24-JAN-2011 11:34
Instrument: J.i
Operator: JH2

Retention Time: 10.69

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown siloxane derivative						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	90	C ₈ H ₂₄ O ₄ Si ₄	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	64	C ₈ H ₂₄ O ₄ Si ₄	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C ₂₁ H ₁₅ N	281

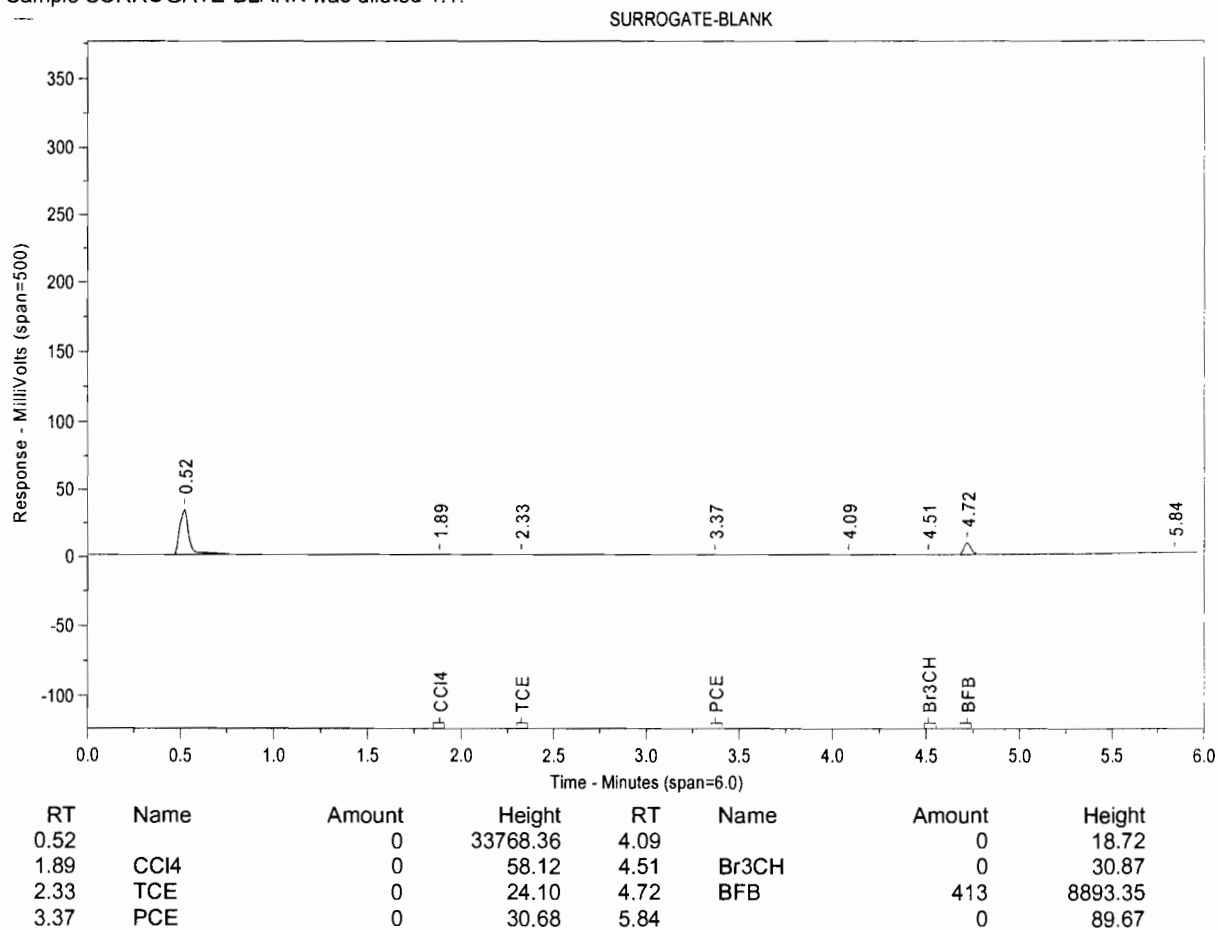


Sample Name: SURROGATE-BLANK

Data File: C:\CPSpirit5\Data2\VoaE011411.0092.RAW

Acquired from Instrument 1 on 1/22/11 1:43:49 PM by

Sample SURROGATE-BLANK was diluted 1:1.



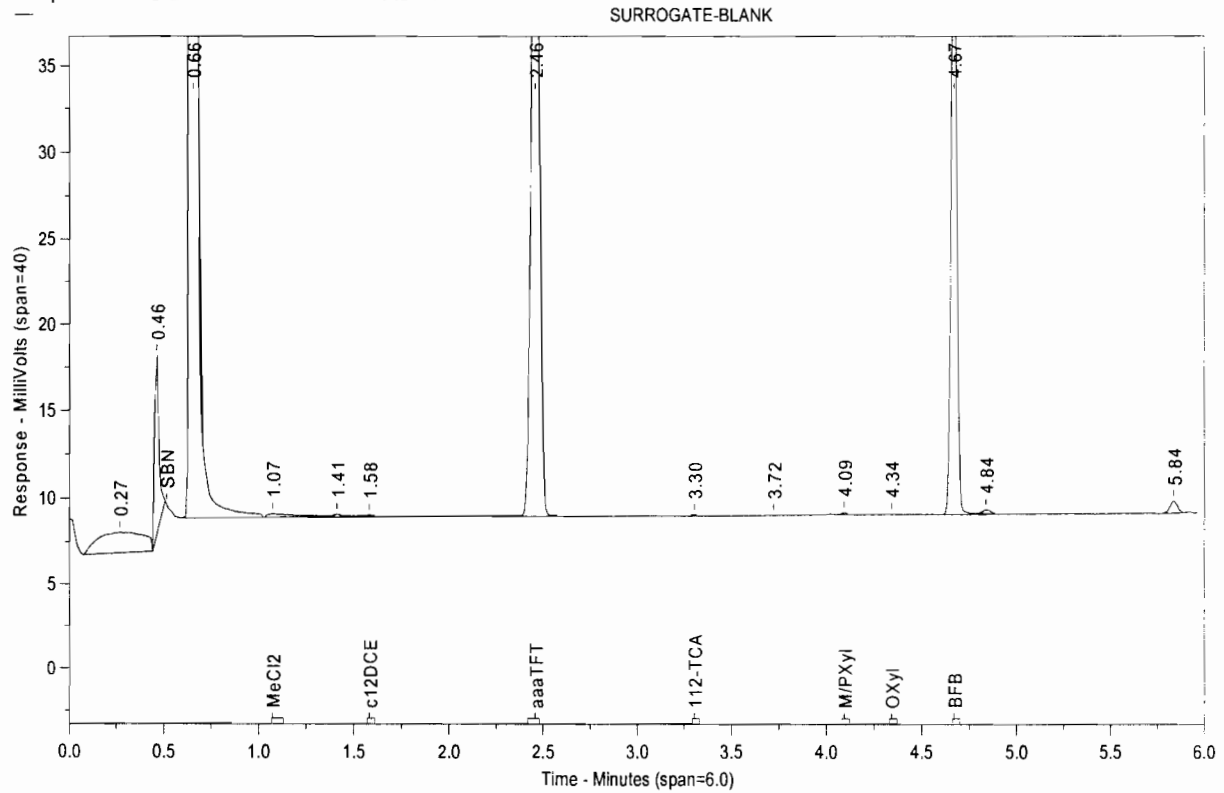
Surrogate BFB recovery is 103.2%

Sample Name: SURROGATE-BLANK

Data File: C:\CPSpirit5\Data2\VoaF011411.0092.RAW

Acquired from Instrument 1 on 1/22/11 1:43:49 PM by

Sample SURROGATE-BLANK was diluted 1:1.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1189.87	3.30	112-TCA	-4	81.59
0.46		0	10340.21	3.72		0	33.93
0.66		0	575089.31	4.09	M/Pyxl	-1	111.02
1.07	MeCl2	2	214.03	4.34	OXyl	0	65.55
1.41		0	167.84	4.67	BFB	401	41109.05
1.58	c12DCE	1	88.40	4.84		0	231.92
2.46	aaaTFT	380	47922.34	5.84		0	700.99

Surrogate aaaTFT recovery is 95.0%

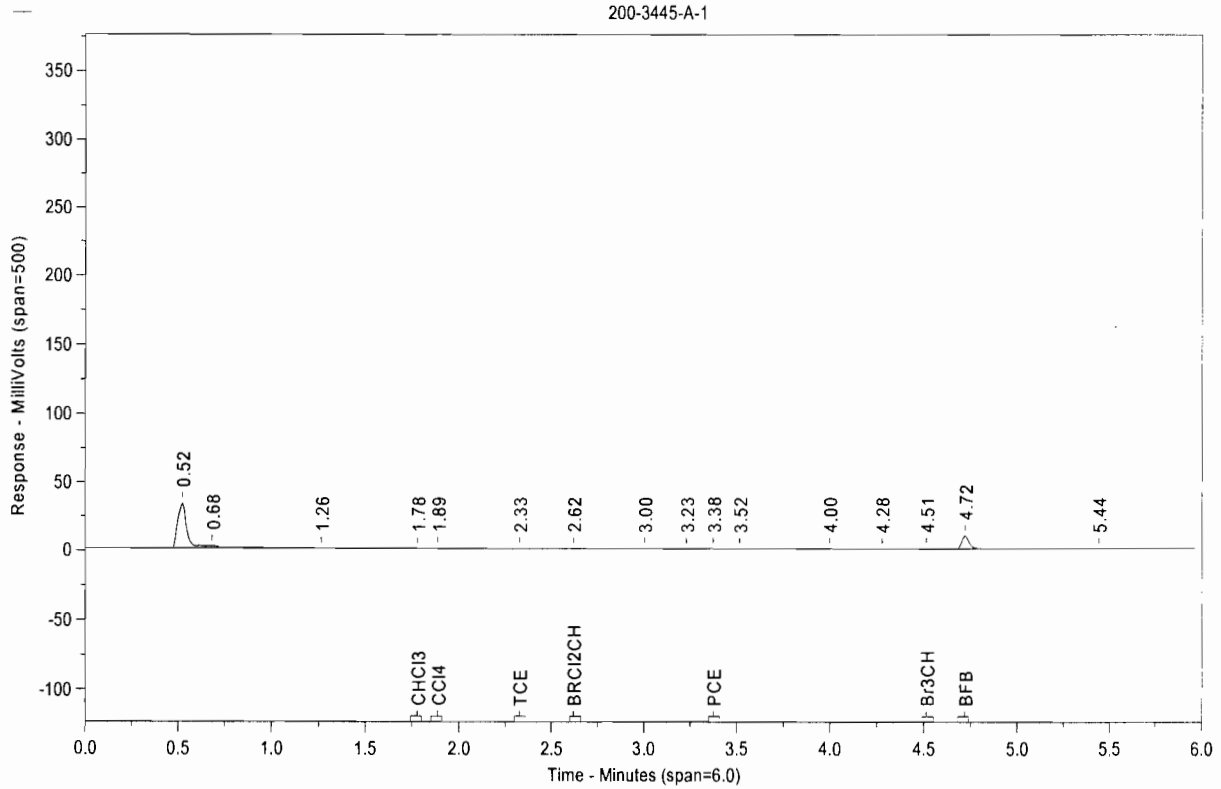
Surrogate BFB recovery is 100.1%

Sample Name: 200-3445-A-1

Data File: C:\CPSpirit5\Data2\VoaE011411.0093.RAW

Acquired from Instrument 1 on 1/22/11 1:54:58 PM by

Sample 200-3445-A-1 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33171.70	3.23		0	53.98
0.68		0	1559.54	3.38	PCE	0	171.12
1.26		0	254.18	3.52		0	48.91
1.78	CHCl3	0	46.03	4.00		0	13.21
1.89	CCl4	0	62.17	4.28		0	51.91
2.33	TCE	0	39.83	4.51	Br3CH	2	268.98
2.62	BRCI2CH	0	29.83	4.72	BFB	2197	9389.94
3.00		0	24.99	5.44		0	24.84

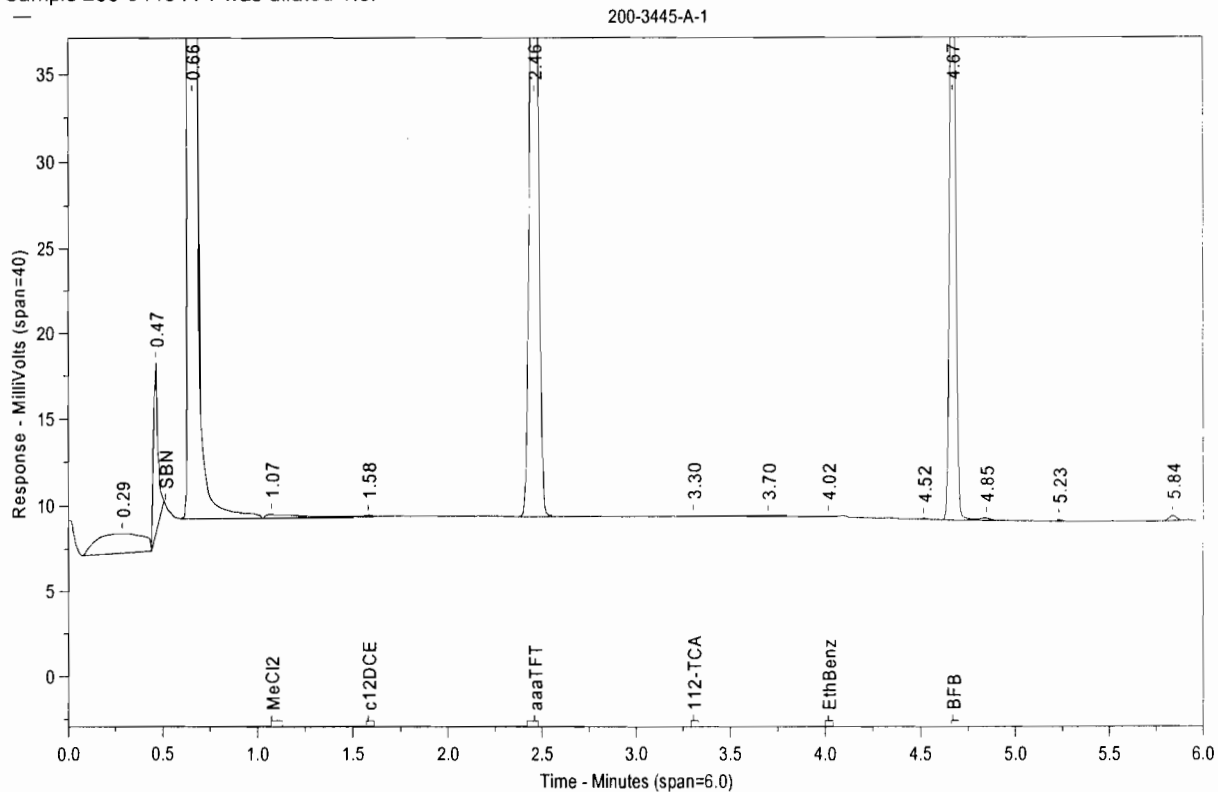
Surrogate BFB recovery is 109.9%

Sample Name: 200-3445-A-1

Data File: C:\CPSpirit5\Data2\VoaF011411.0093.RAW

Acquired from Instrument 1 on 1/22/11 1:54:59 PM by

Sample 200-3445-A-1 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.29		0	1159.68	3.70		0	52.58
0.47		0	9856.04	4.02	EthBenz	-1	37.10
0.66		0	610637.31	4.52		0	57.50
1.07	MeCl2	9	219.36	4.67	BFB	2120	43528.23
1.58	c12DCE	6	95.54	4.85		0	161.32
2.46	aaaTFT	2011	50705.40	5.23		0	88.37
3.30	112-TCA	-19	79.35	5.84		0	312.15

Surrogate aaaTFT recovery is 100.5%

Surrogate BFB recovery is 106.%

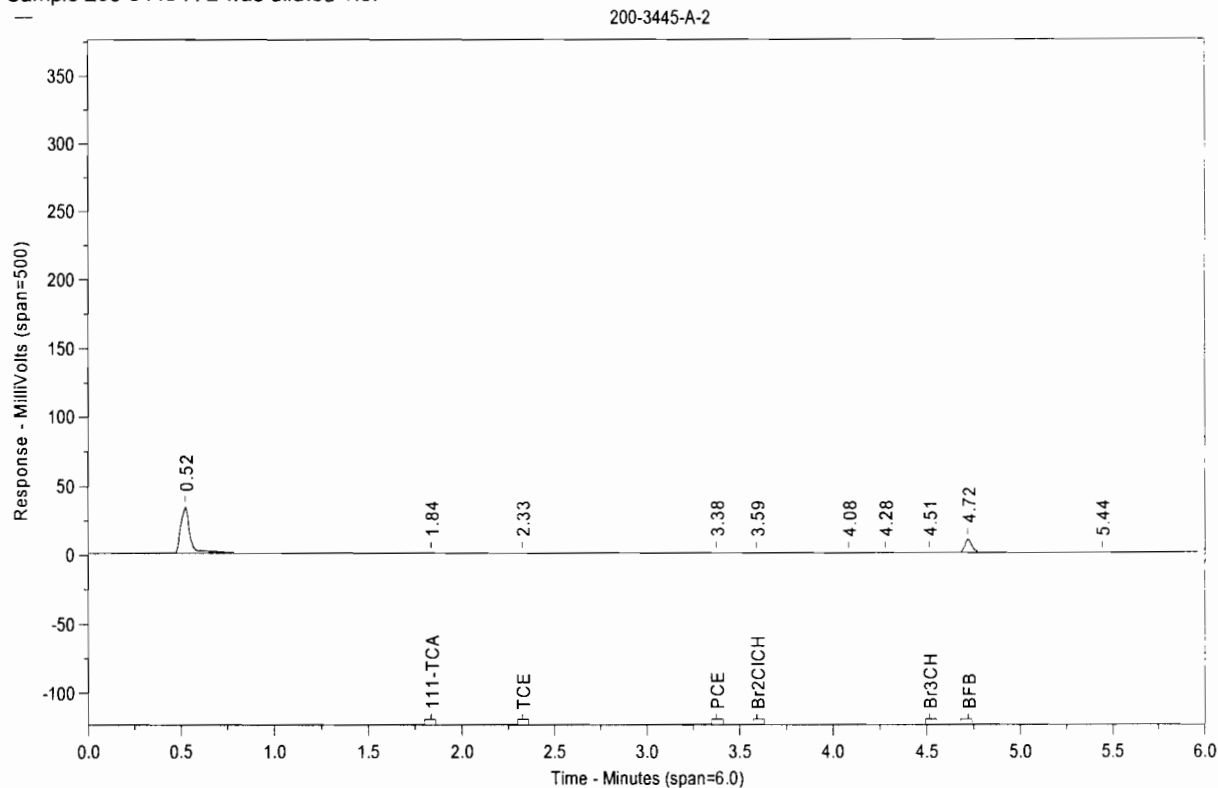
Chrom Perfect Chromatogram Report

Sample Name: 200-3445-A-2

Data File: C:\CPSpirit5\Data2\VoaE011411.0094.RAW

Acquired from Instrument 1 on 1/22/11 2:06:15 PM by

Sample 200-3445-A-2 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33528.53	4.08		0	20.27
1.84	111-TCA	0	84.45	4.28		0	24.92
2.33	TCE	1	152.04	4.51	Br3CH	1	112.66
3.38	PCE	0	190.48	4.72	BFB	2282	9704.29
3.59	Br2ClCH	0	24.28	5.44		0	27.08

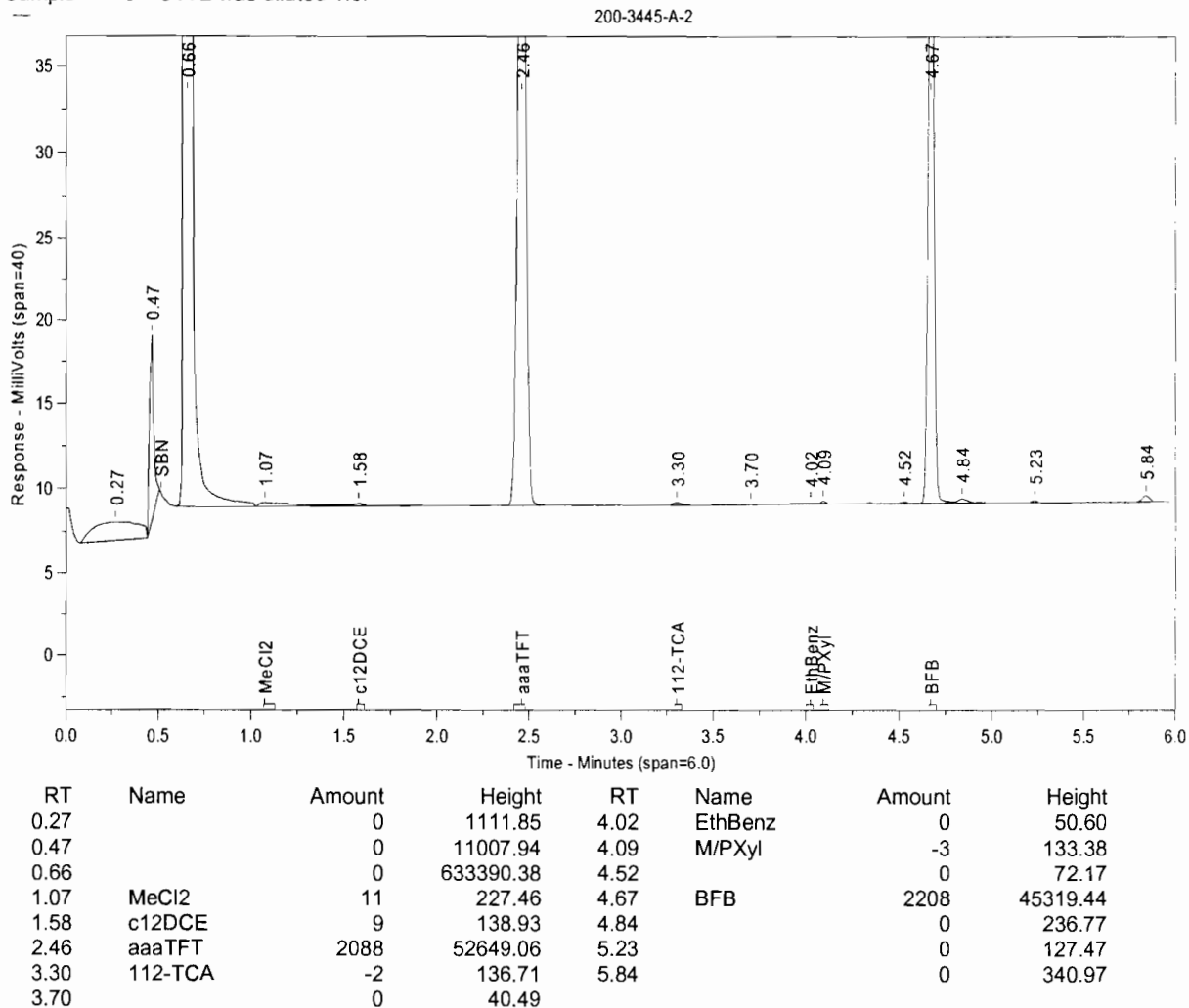
Surrogate BFB recovery is 114.1%

Sample Name: 200-3445-A-2

Data File: C:\CPSpirit5\Data2\VoaF011411.0094.RAW

Acquired from Instrument 1 on 1/22/11 2:06:15 PM by

Sample 200-3445-A-2 was diluted 1:5.



Surrogate aaaTFT recovery is 104.4%

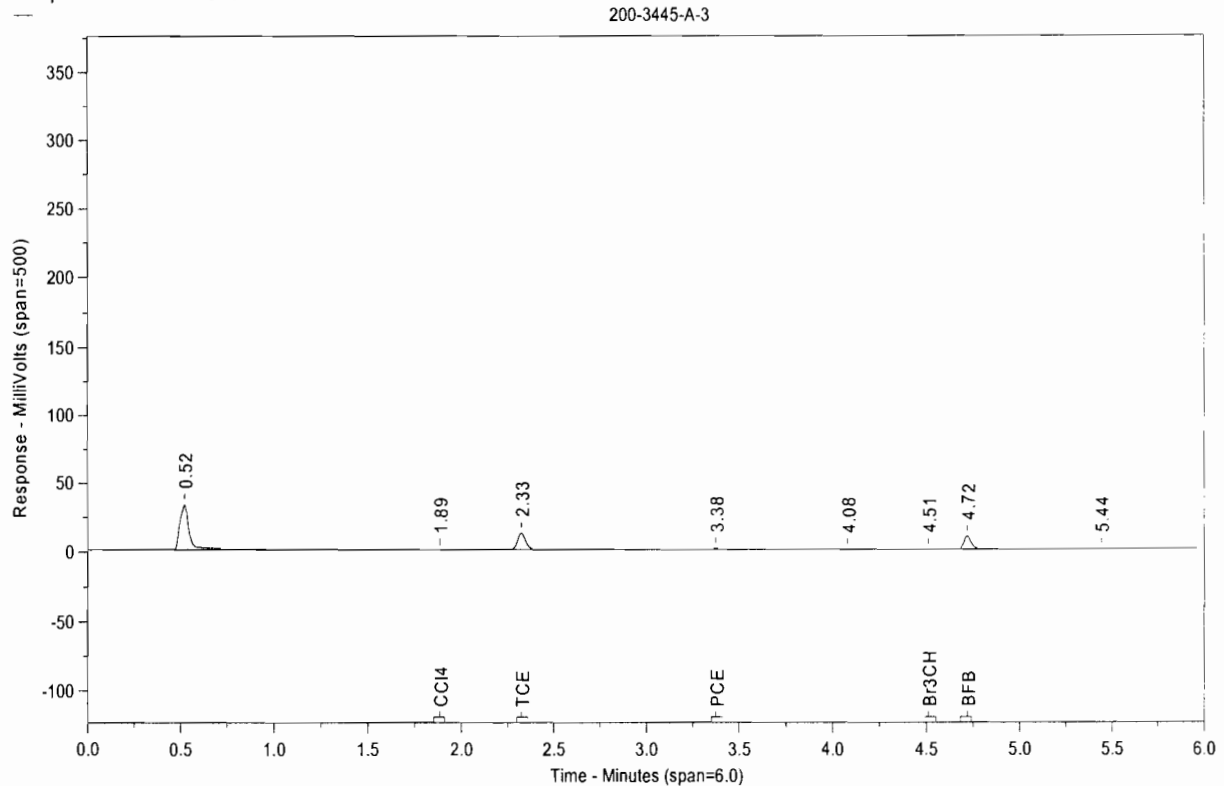
Surrogate BFB recovery is 110.4%

Sample Name: 200-3445-A-3

Data File: C:\CPSpirit5\Data2\VoaE011411.0095.RAW

Acquired from Instrument 1 on 1/22/11 2:17:28 PM by

Sample 200-3445-A-3 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33154.65	4.08		0	19.98
1.89	CCl4	0	67.08	4.51	Br3CH	0	30.72
2.33	TCE	115	11961.76	4.72	BFB	2182	9331.48
3.38	PCE	1	649.56	5.44		0	27.58

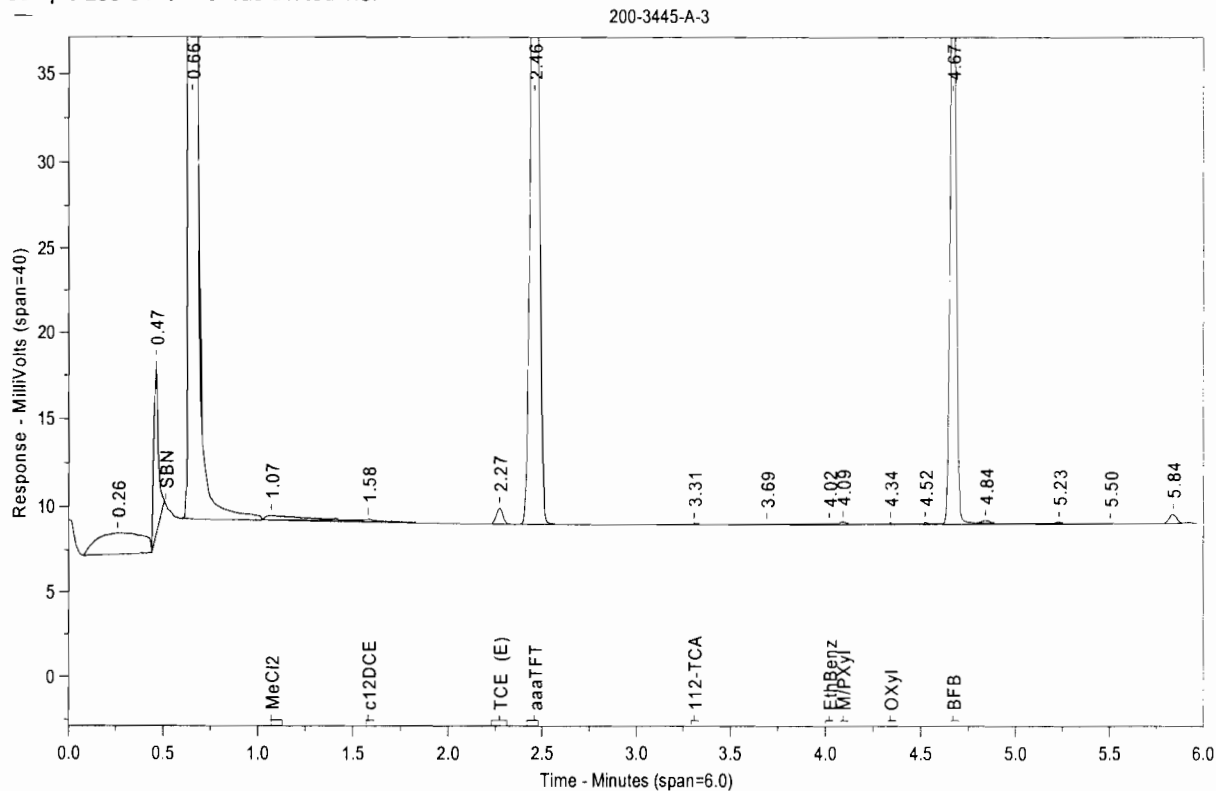
Surrogate BFB recovery is 109.1%

Sample Name: 200-3445-A-3

Data File: C:\CPSpirit5\Data2\VoaF011411.0095.RAW

Acquired from Instrument 1 on 1/22/11 2:17:28 PM by

Sample 200-3445-A-3 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.26		0	1222.31	4.02	EthBenz	0	85.01
0.47		0	9977.17	4.09	M/Pyxl	-3	155.98
0.66		0	617922.75	4.34	OXyl	0	93.63
1.07	MeCl2	12	238.11	4.52		0	107.52
1.58	c12DCE	10	145.58	4.67	BFB	2113	43383.89
2.27	TCE (E)	96	934.37	4.84		0	166.73
2.46	aaaTFT	2027	51103.95	5.23		0	118.25
3.31	112-TCA	-16	91.64	5.50		0	28.27
3.69		0	49.72	5.84		0	541.29

Surrogate aaaTFT recovery is 101.3%

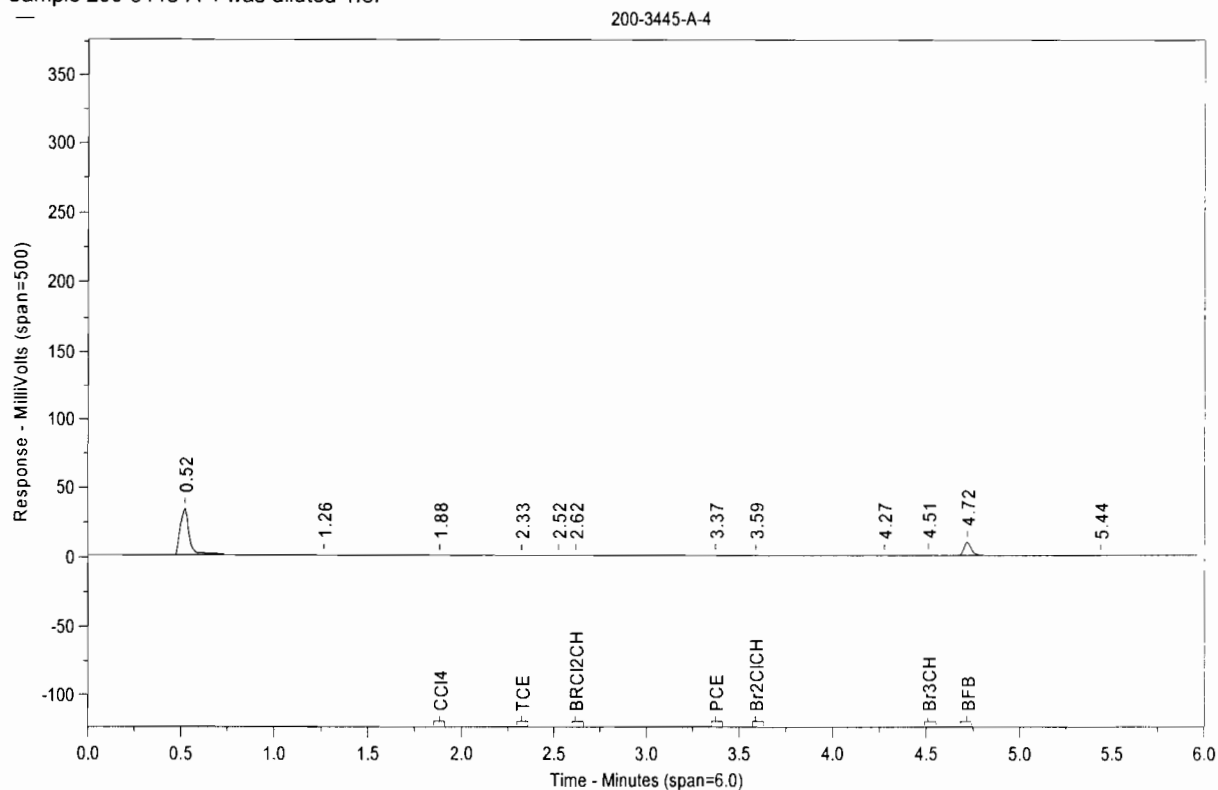
Surrogate BFB recovery is 105.7%

Sample Name: 200-3445-A-4

Data File: C:\CPSpirit5\Data2\VoaE011411.0096.RAW

Acquired from Instrument 1 on 1/22/11 2:29:17 PM by

Sample 200-3445-A-4 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33411.81	3.37	PCE	0	83.44
1.26		0	305.40	3.59	Br2ClCH	1	128.67
1.88	CCl4	0	71.65	4.27		0	178.78
2.33	TCE	0	24.69	4.51	Br3CH	7	723.83
2.52		0	20.23	4.72	BFB	2271	9663.65
2.62	BRCI2CH	0	61.09	5.44		0	32.08

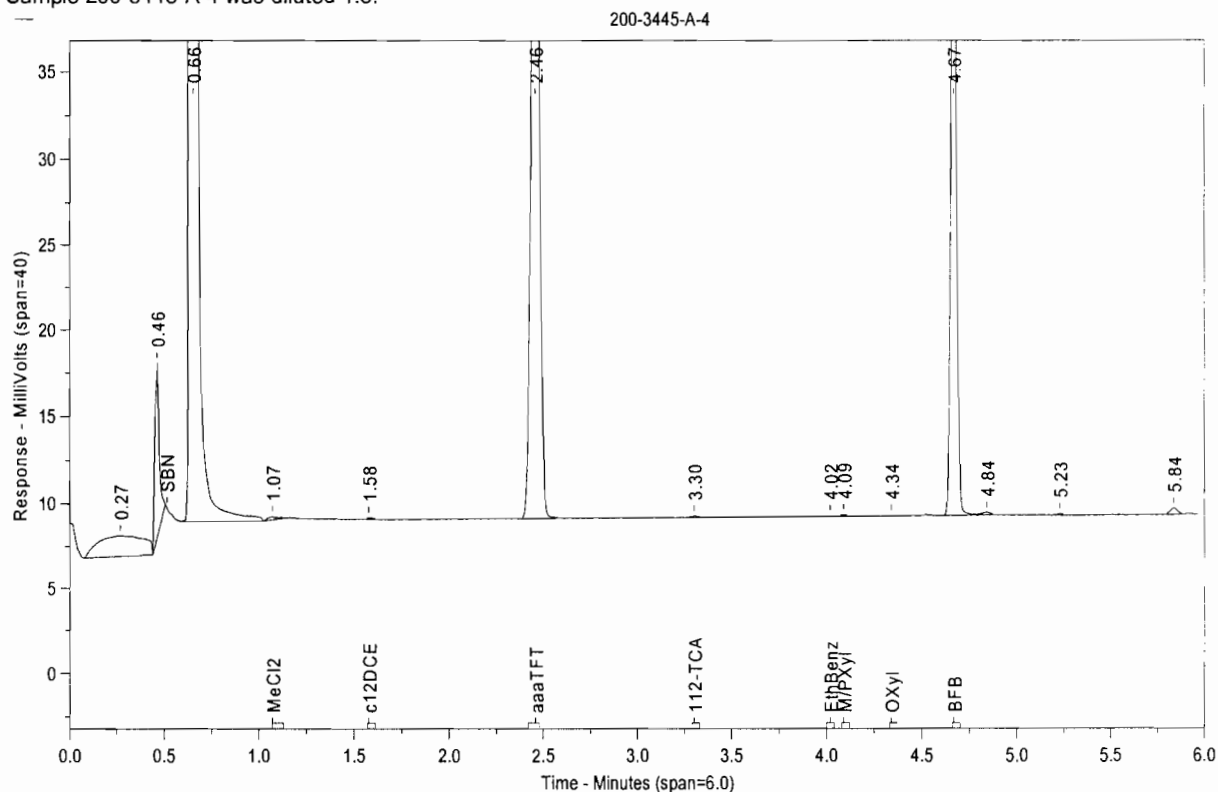
Surrogate BFB recovery is 113.6%

Sample Name: 200-3445-A-4

Data File: C:\CPSpirit5\Data2\VoaF011411.0096.RAW

Acquired from Instrument 1 on 1/22/11 2:29:17 PM by

Sample 200-3445-A-4 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1201.79	4.02	EthBenz	0	43.29
0.46		0	10091.76	4.09	M/PXyl	-4	98.86
0.66		0	632620.19	4.34	OXyl	-1	49.28
1.07	MeCl2	-1	158.57	4.67	BFB	2216	45486.33
1.58	c12DCE	5	83.61	4.84		0	169.38
2.46	aaaTFT	2094	52808.01	5.23		0	102.51
3.30	112-TCA	-15	92.41	5.84		0	364.47

Surrogate aaaTFT recovery is 104.7%

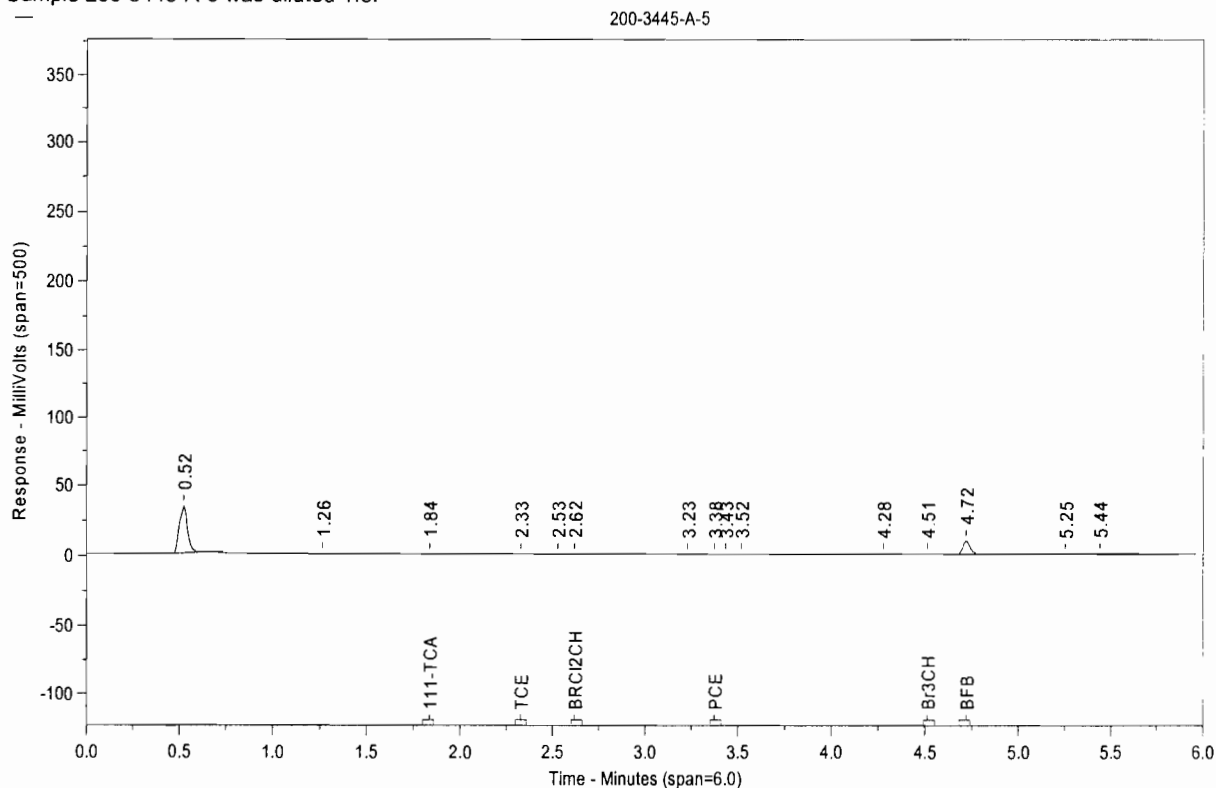
Surrogate BFB recovery is 110.8%

Sample Name: 200-3445-A-5

Data File: C:\CPSpirit5\Data2\VoaE011411.0097.RAW

Acquired from Instrument 1 on 1/22/11 2:40:30 PM by

Sample 200-3445-A-5 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33140.68	3.43		0	81.05
1.26		0	157.81	3.52		0	55.08
1.84	111-TCA	0	87.43	4.28		0	86.58
2.33	TCE	0	27.31	4.51	Br3CH	2	190.29
2.53		0	21.06	4.72	BFB	2315	9827.51
2.62	BRCI2CH	0	35.94	5.25		0	11.22
3.23		0	53.98	5.44		0	30.57
3.38	PCE	0	73.67				

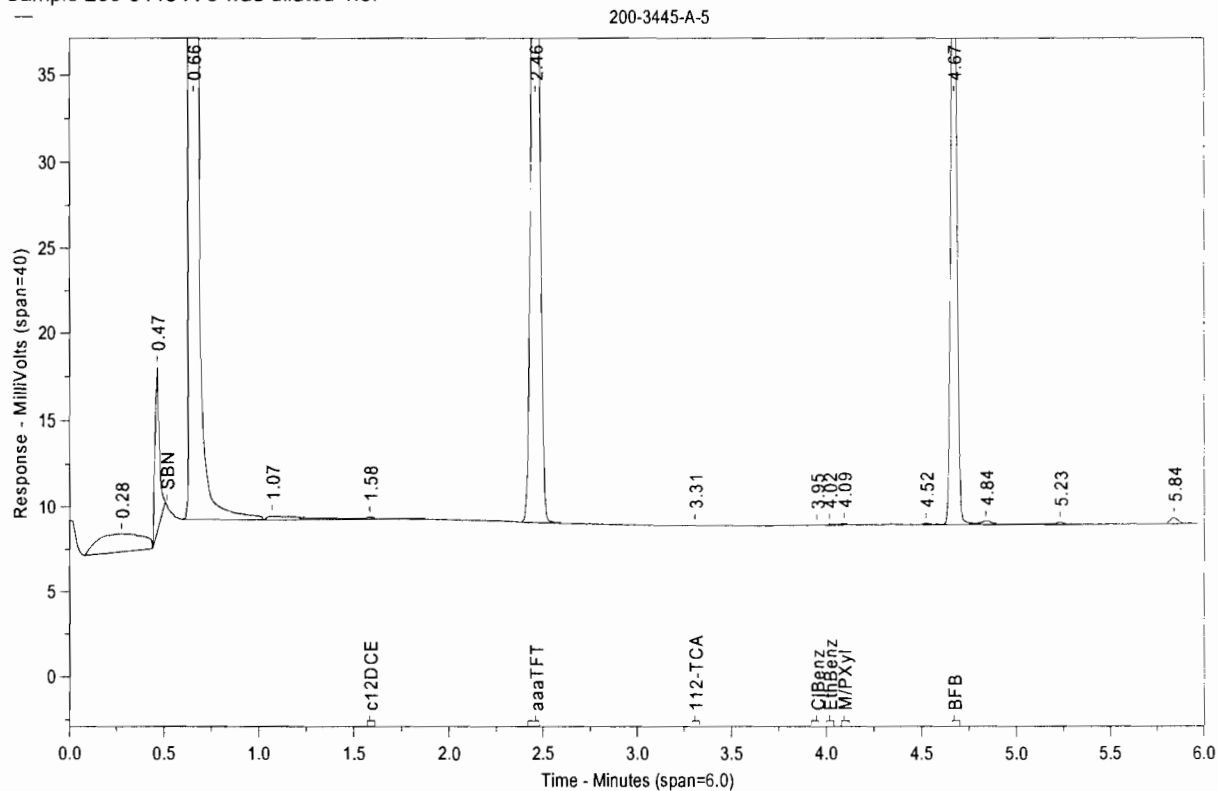
Surrogate BFB recovery is 115.8%

Sample Name: 200-3445-A-5

Data File: C:\CPSpirit5\Data2\VoaF011411.0097.RAW

Acquired from Instrument 1 on 1/22/11 2:40:30 PM by

Sample 200-3445-A-5 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1072.81	4.02	EthBenz	0	66.63
0.47		0	9499.20	4.09	M/Pyxl	-4	105.41
0.66		0	646021.00	4.52		0	89.92
1.07		0	212.64	4.67	BFB	2241	45996.69
1.58	c12DCE	8	119.68	4.84		0	209.79
2.46	aaaTFT	2161	54486.53	5.23		0	139.75
3.31	112-TCA	-25	61.05	5.84		0	379.86
3.95	ClBenz	1	41.97				

Surrogate aaaTFT recovery is 108.%

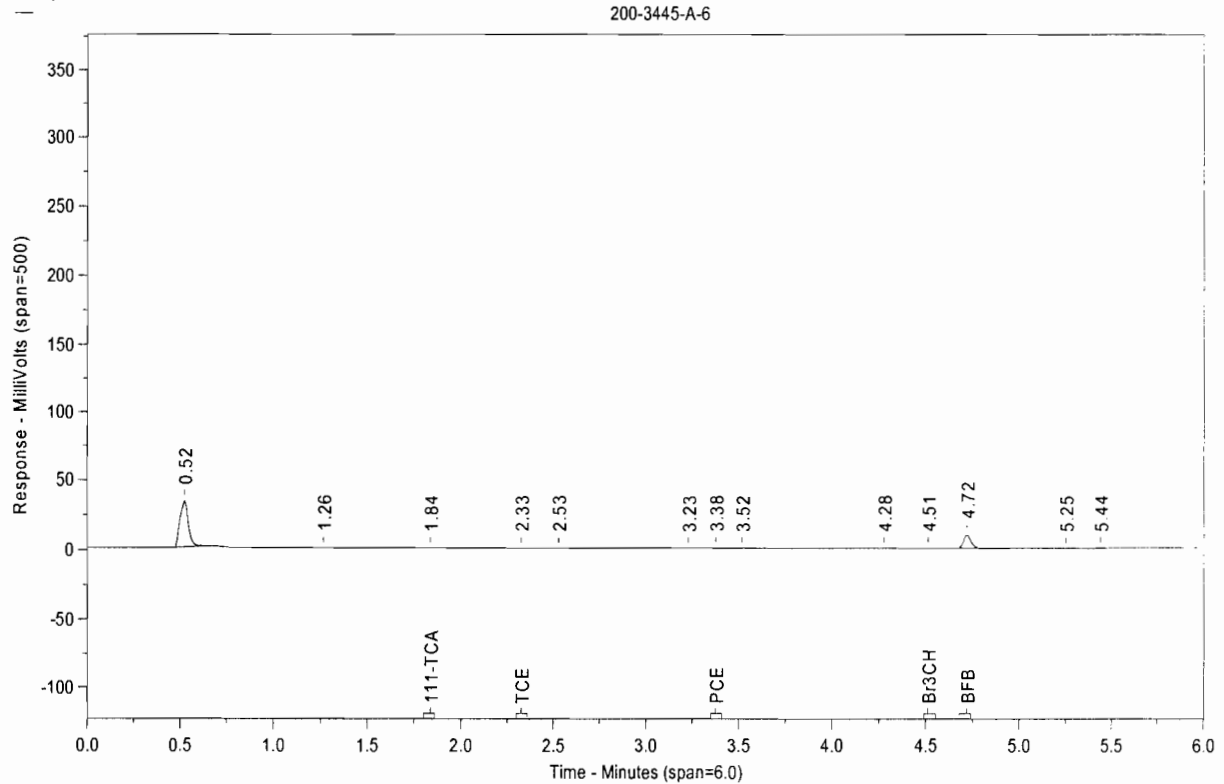
Surrogate BFB recovery is 112.%

Sample Name: 200-3445-A-6

Data File: C:\CPSpirit5\Data2\VoaE011411.0098.RAW

Acquired from Instrument 1 on 1/22/11 2:51:45 PM by

Sample 200-3445-A-6 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	33219.86	3.52		0	63.75
1.26		0	131.82	4.28		0	95.90
1.84	111-TCA	0	88.10	4.51	Br3CH	1	159.42
2.33	TCE	0	23.27	4.72	BFB	2318	9836.39
2.53		0	18.66	5.25		0	11.15
3.23		0	92.69	5.44		0	30.52
3.38	PCE	0	107.52				

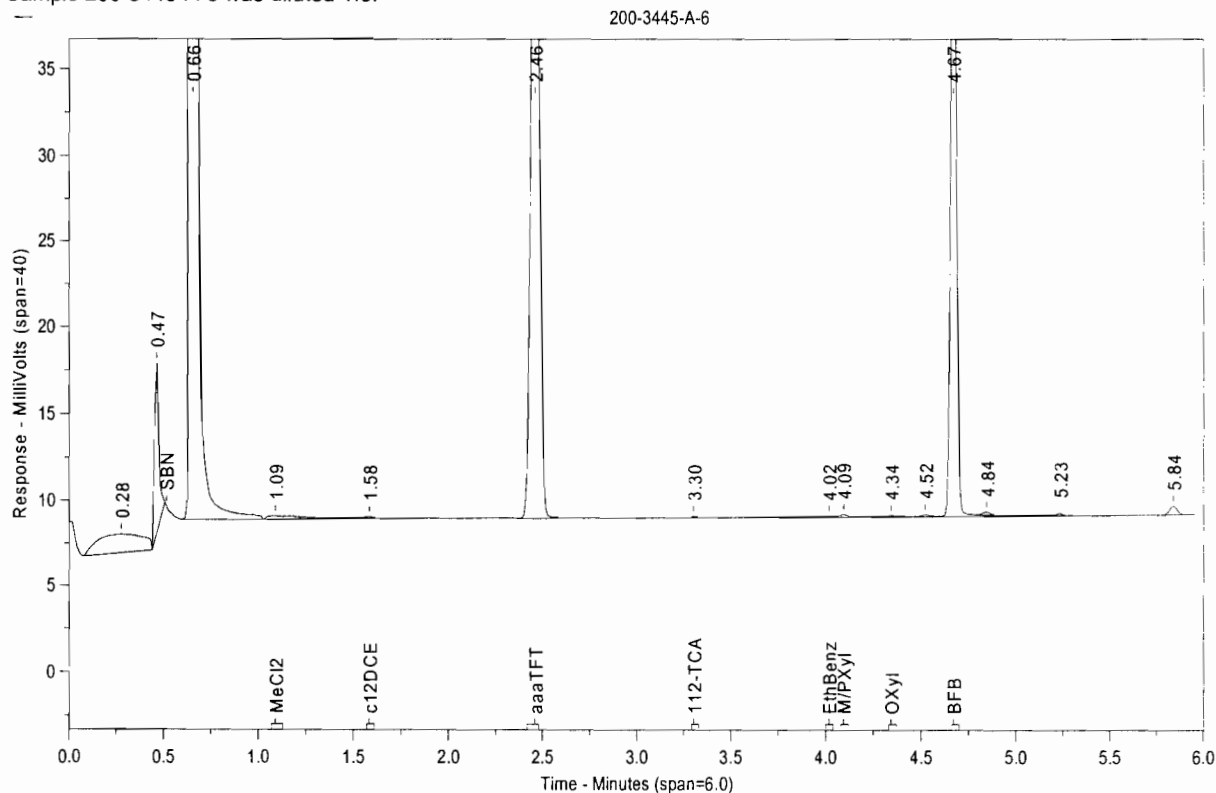
Surrogate BFB recovery is 115.9%

Sample Name: 200-3445-A-6

Data File: C:\CPSpirit5\Data2\VoaF011411.0098.RAW

Acquired from Instrument 1 on 1/22/11 2:51:45 PM by

Sample 200-3445-A-6 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1088.71	4.09	M/PyXyl	-3	162.68
0.47		0	9807.13	4.34	OXyl	0	87.73
0.66		0	630140.56	4.52		0	124.70
1.09	MeCl2	6	202.39	4.67	BFB	2242	46031.73
1.58	c12DCE	8	115.68	4.84		0	189.81
2.46	aaaTFT	2149	54190.63	5.23		0	146.87
3.30	112-TCA	-16	90.39	5.84		0	514.65
4.02	EthBenz	1	89.56				

Surrogate aaaTFT recovery is 107.5%

Surrogate BFB recovery is 112.1%

GC/MS VOA INSTRUMENT RUN LOG

Sequence			Standard Traceability			Instrument Information			Instrument Performance Checks		
Target Batch ID: JCISMTB			BFB Lot# 84759			Instrument: HP5973 Instrument ID: J			50 K Tune STD QRF Summary		
Test Method: SQMTR			ISTD Lot #: 97592			Column Type: Capillary RTX-624			Internal Standard Response		
ICAL Date: 1/14/11			Surrogate Lot # 95203			Purge Volume: 5 mL 10 mL 25 mL			ART & Ratios Updated		
Start Date: 1/14/11 Time: 1028			CAL STD Lot # 95204						TALS Batch ID: 12248		
End Date: 1/14/11 Time: 2228			LCS/MS Lot #						TALS CAL ID: 4374		
Sequence Information						Individual Sample Review				Comments	
Injection Time	File Name	TALS ID	EPA ID	Dilution Factor	Volume in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
1028	JC101	BFB	BFB JT			JH	-	-	✓	JH	
1048	02	V1B4					-	-	-		
1114	03	W2A4					-	-	-		
1139	04	IC	VSTD05JT				✓	✓	✓		
1205	05	IC	VSTD001JT				✓	✓	✓		
1230	06	IC	VSTD005JT				✓	✓	✓		
1255	07	IC	VSTD010JT				✓	✓	✓		
1320	08	IC	VSTD020JT				✓	✓	✓		
1346	09	V1B4					-	-	-		
432 of 688 02/03/											

Legend: C=Complete ■ R=Reanalyze ■ ↑ = High ■ ↓ = Low ■ ✓ = Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Target Batch ID: JCI55mYR	BFB Lot# 84739	Instrument: HP5973 Instrument ID: J	43K Tune STD ☐ RF Summary
Test Method: S20MTR	ISTD Lot #: 91592	Column Type: Capillary RTX-624	☐ Internal Standard Response
ICAL Date: 1/14/11	Surrogate Lot # 95203	Purge Volume: ☐ 5 mL ☒ 10 mL ☒ 25 mL	☒ RT & Ratios Updated
Start Date: 1/24/11 Time: 0820	CAL STD Lot # 95204		TALS Batch ID: 12583
End Date: 1/24/11 Time: 2020	LCS/MS Lot #		TALS CAL ID: 4374

[illegible]

Legend: C=Complete ■ R=Reanalyze ■ ↑ = High ■ ↓ = Low ■ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Target Batch ID: ICIM SMTR	BFB Lot# 84759	Instrument: HP5973 Instrument ID: J	☒ K Tune STD ☐ PRF Summa
Test Method: SMTR	ISTD Lot #: 104419	Column Type: Capillary RTX-624	☐ Internal Standard Response
ICAL Date: 1/14/11	Surrogate Lot # 95203	Purge Volume: ☐ 5 mL ☒ 10 mL ☐ 25 mL	TALS Batch ID: 12879
Start Date: 1/28/11 Time: 1545	CAL STD Lot # 95204		TALS CAL ID: 4374
End Date: 1/29/11 Time: 0345	LCS/MS Lot #		

Sequence Information				Individual Sample Review				Comments
Injection Time	File Name	TALS ID	EPA ID	Dilution Factor	Volume in 44 mL	Operator	Surrogate Standard	
1535	ICIM01	BFB	BFB			JH	-	
1545	02	BFB	BFB				-	
1605	03	CCV15	VST0005JL				✓	
1630	04	MB	MB				✓	
1726	05	3426-D-10	VHBK01	100%			✓	C HB
1731	06	3459-C-2	BQ3W1DL	14.7	3.0mL		✓	C
1755	07	3459-B-3	BQ3W2	100%			✓	C
1820	08	3459-B-4	BQ3W3				✓	C
1845	09	3419-B-1	BQ3T5				✓	C
1910	10	3419-B-2	BQ3T6				✓	C
1935	11	V1BK	V1BKJH				✓	DNR
2000	12	3419-B-3	BQ3T7				✓	DNR
2026	13	V1BK	V1BKJT				✓	DNR
2051	14	3419-B-4	BQ3T8				✓	C M.C. TLE 93
2116	15	V1BK	V1BKJK				✓	C TLE 86
2141	16	3419-C-4	BQ3T8DL	4.0	7.3mL		✓	C HB
2205	17	3378-C-4	VHBK01		100%		✓	C
2230	18	3445-D-1	MW-5				✓	C
2255	19	3445-D-2	MW-1				✓	C
2320	20	3445-D-4	MW-3				✓	C
2345	21	3445-D-5	MW-4				✓	C
2410	22	3445-D-6	MW-6				✓	C
2435	23	V1BK	V1BKJL				✓	DNR
2500	24	3445-D-9	VHBK01		100%		✓	C HB
2525	25	CCV1	VST0005JL				✓	C
2550	26	CCV1					✓	C

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-3445-1SDG No.: 200-3445-1Instrument ID: J.iStart Date: 01/14/2011 10:28Analysis Batch Number: 12248End Date: 01/14/2011 13:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-12248/1		01/14/2011 10:28	1	jci01.d	DB-624 0.2 (mm)
VIBLK 200-12248/2		01/14/2011 10:48	1		DB-624 0.2 (mm)
VIBLK 200-12248/3		01/14/2011 11:14	1		DB-624 0.2 (mm)
IC 200-12248/4		01/14/2011 11:39	1	jci04.d	DB-624 0.2 (mm)
IC 200-12248/5		01/14/2011 12:05	1	jci05.d	DB-624 0.2 (mm)
ICIS 200-12248/6		01/14/2011 12:30	1	jci06.d	DB-624 0.2 (mm)
IC 200-12248/7		01/14/2011 12:55	1	jci07.d	DB-624 0.2 (mm)
IC 200-12248/8		01/14/2011 13:20	1	jci08.d	DB-624 0.2 (mm)
VIBLK 200-12248/9		01/14/2011 13:46	1		DB-624 0.2 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-3445-1SDG No.: 200-3445-1Instrument ID: J.iStart Date: 01/24/2011 08:20Analysis Batch Number: 12583End Date: 01/24/2011 14:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-12583/1		01/24/2011 08:20	1		DB-624 0.2 (mm)
BFB 200-12583/2		01/24/2011 08:29	1	jcif02.d	DB-624 0.2 (mm)
CCVIS 200-12583/3		01/24/2011 08:49	1	jcif03.d	DB-624 0.2 (mm)
VIBLK 200-12583/4		01/24/2011 09:14	1		DB-624 0.2 (mm)
MB 200-12583/5		01/24/2011 09:39	1	jcif05.d	DB-624 0.2 (mm)
ZZZZZ		01/24/2011 10:19	1		DB-624 0.2 (mm)
ZZZZZ		01/24/2011 10:44	1		DB-624 0.2 (mm)
200-3445-3	MW-2	01/24/2011 11:09	1	jcif08.d	DB-624 0.2 (mm)
VIBLK 200-12583/9		01/24/2011 11:34	1	jcif09.d	DB-624 0.2 (mm)
ZZZZZ		01/24/2011 11:59	1		DB-624 0.2 (mm)
ZZZZZ		01/24/2011 12:24	1		DB-624 0.2 (mm)
ZZZZZ		01/24/2011 12:49	1		DB-624 0.2 (mm)
200-3445-7	FB 01202011	01/24/2011 13:14	1	jcif13.d	DB-624 0.2 (mm)
200-3445-8	TRIP BLANK	01/24/2011 13:39	1	jcif14.d	DB-624 0.2 (mm)
200-3445-3 DL	MW-2 DL	01/24/2011 14:05	7.1	jcif15.d	DB-624 0.2 (mm)
CCVC 200-12583/16		01/24/2011 14:43	1	jcif16.d	DB-624 0.2 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-3445-1SDG No.: 200-3445-1Instrument ID: J.iStart Date: 01/28/2011 15:35Analysis Batch Number: 12879End Date: 01/29/2011 01:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-12879/1		01/28/2011 15:35	1		DB-624 0.2 (mm)
BFB 200-12879/2		01/28/2011 15:45	1	jcim02.d	DB-624 0.2 (mm)
CCVIS 200-12879/3		01/28/2011 16:05	1	jcim03.d	DB-624 0.2 (mm)
MB 200-12879/4		01/28/2011 16:30	1	jcim04.d	DB-624 0.2 (mm)
ZZZZZ		01/28/2011 17:06	1		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 17:31	14.7		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 17:55	1		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 18:20	1		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 18:45	1		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 19:10	1		DB-624 0.2 (mm)
VIBLK 200-12879/11		01/28/2011 19:35	1		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 20:00	1		DB-624 0.2 (mm)
VIBLK 200-12879/13		01/28/2011 20:26	1		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 20:51	1		DB-624 0.2 (mm)
VIBLK 200-12879/15		01/28/2011 21:16	1		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 21:41	6		DB-624 0.2 (mm)
ZZZZZ		01/28/2011 22:05	1		DB-624 0.2 (mm)
200-3445-1	MW-5	01/28/2011 22:30	1	jcim18.d	DB-624 0.2 (mm)
200-3445-2	MW-1	01/28/2011 22:55	1	jcim19.d	DB-624 0.2 (mm)
200-3445-4	MW-3	01/28/2011 23:20	1	jcim20.d	DB-624 0.2 (mm)
200-3445-5	MW-4	01/28/2011 23:45	1	jcim21.d	DB-624 0.2 (mm)
200-3445-6	MW-6	01/29/2011 00:10	1	jcim22.d	DB-624 0.2 (mm)
VIBLK 200-12879/23		01/29/2011 00:35	1		DB-624 0.2 (mm)
200-3445-9	VHBLK01	01/29/2011 01:00	1	jcim24.d	DB-624 0.2 (mm)
CCVC 200-12879/25		01/29/2011 01:25	1	jcim25.d	DB-624 0.2 (mm)
CCVC 200-12879/26		01/29/2011 01:50	1		DB-624 0.2 (mm)

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Burlington Job Number: 200-3445-1
SDG No.: 200-3445-1
Project: Lawrence Aviation

Client Sample ID	Lab Sample ID
MW-5	200-3445-1
MW-1	200-3445-2
MW-2	200-3445-3
MW-3	200-3445-4
MW-4	200-3445-5
MW-6	200-3445-6
FB 01202011	200-3445-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-5

Lab Sample ID: 200-3445-1

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/19/2011 14:00

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.16	0.20	0.015	ug/L	J		1	ISM01.2/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>MW-5</u>	Lab Sample ID: <u>200-3445-1</u>
Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-3445-1</u>
SDG ID.: <u>200-3445-1</u>	
Matrix: <u>Water</u>	Date Sampled: <u>01/19/2011 14:00</u>
Reporting Basis: <u>WET</u>	Date Received: <u>01/22/2011 08:50</u>

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2010	200	40.0	ug/L			1	ISM01.2/ ICP
7440-36-0	Antimony	4.1	60.0	2.6	ug/L	J		1	ISM01.2/ ICP
7440-38-2	Arsenic	10.0	10.0	2.9	ug/L	U		1	ISM01.2/ ICP
7440-39-3	Barium	41.4	200	13.0	ug/L	J		1	ISM01.2/ ICP
7440-41-7	Beryllium	5.0	5.0	0.88	ug/L	U		1	ISM01.2/ ICP
7440-43-9	Cadmium	5.0	5.0	0.63	ug/L	U		1	ISM01.2/ ICP
7440-70-2	Calcium	18400	5000	430	ug/L			1	ISM01.2/ ICP
7440-47-3	Chromium	157	10.0	0.49	ug/L			1	ISM01.2/ ICP
7440-48-4	Cobalt	50.0	50.0	1.1	ug/L	U		1	ISM01.2/ ICP
7440-50-8	Copper	25.0	25.0	2.9	ug/L	U		1	ISM01.2/ ICP
7439-89-6	Iron	252	100	15.0	ug/L			1	ISM01.2/ ICP
7439-92-1	Lead	10.0	10.0	2.3	ug/L	U		1	ISM01.2/ ICP
7439-95-4	Magnesium	11200	5000	240	ug/L			1	ISM01.2/ ICP
7439-96-5	Manganese	14200	1500	71.0	ug/L			100	ISM01.2/ ICP
7440-02-0	Nickel	18.7	40.0	1.2	ug/L	J		1	ISM01.2/ ICP
7440-09-7	Potassium	20400	5000	150	ug/L			1	ISM01.2/ ICP
7782-49-2	Selenium	35.0	35.0	4.5	ug/L	U		1	ISM01.2/ ICP
7440-22-4	Silver	10.0	10.0	1.6	ug/L	U		1	ISM01.2/ ICP
7440-23-5	Sodium	26800	5000	100	ug/L			1	ISM01.2/ ICP
7440-28-0	Thallium	25.0	25.0	3.0	ug/L	U		1	ISM01.2/ ICP
7440-62-2	Vanadium	50.0	50.0	2.4	ug/L	U		1	ISM01.2/ ICP
7440-66-6	Zinc	8.8	60.0	1.4	ug/L	J		1	ISM01.2/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-1
Lab Sample ID: 200-3445-2
Lab Name: TestAmerica Burlington
Job No.: 200-3445-1
SDG ID.: 200-3445-1
Matrix: Water
Date Sampled: 01/20/2011 15:30
Reporting Basis: WET
Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.56	0.20	0.015	ug/L			1	ISM01.2/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-1

Lab Sample ID: 200-3445-2

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 15:30

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3560	200	40.0	ug/L			1	ISM01.2/ ICP
7440-36-0	Antimony	5.6	60.0	2.6	ug/L	J		1	ISM01.2/ ICP
7440-38-2	Arsenic	10.0	10.0	2.9	ug/L	U		1	ISM01.2/ ICP
7440-39-3	Barium	54.5	200	13.0	ug/L	J		1	ISM01.2/ ICP
7440-41-7	Beryllium	5.0	5.0	0.88	ug/L	U		1	ISM01.2/ ICP
7440-43-9	Cadmium	0.77	5.0	0.63	ug/L	J		1	ISM01.2/ ICP
7440-70-2	Calcium	20500	5000	430	ug/L			1	ISM01.2/ ICP
7440-47-3	Chromium	141	10.0	0.49	ug/L			1	ISM01.2/ ICP
7440-48-4	Cobalt	50.0	50.0	1.1	ug/L	U		1	ISM01.2/ ICP
7440-50-8	Copper	3.2	25.0	2.9	ug/L	J		1	ISM01.2/ ICP
7439-89-6	Iron	267	100	15.0	ug/L			1	ISM01.2/ ICP
7439-92-1	Lead	10.0	10.0	2.3	ug/L	U		1	ISM01.2/ ICP
7439-95-4	Magnesium	9370	5000	240	ug/L			1	ISM01.2/ ICP
7439-96-5	Manganese	2670	150	7.1	ug/L			10	ISM01.2/ ICP
7440-02-0	Nickel	88.5	40.0	1.2	ug/L			1	ISM01.2/ ICP
7440-09-7	Potassium	14100	5000	150	ug/L			1	ISM01.2/ ICP
7782-49-2	Selenium	35.0	35.0	4.5	ug/L	U		1	ISM01.2/ ICP
7440-22-4	Silver	10.0	10.0	1.6	ug/L	U		1	ISM01.2/ ICP
7440-23-5	Sodium	27100	5000	100	ug/L			1	ISM01.2/ ICP
7440-28-0	Thallium	25.0	25.0	3.0	ug/L	U		1	ISM01.2/ ICP
7440-62-2	Vanadium	50.0	50.0	2.4	ug/L	U		1	ISM01.2/ ICP
7440-66-6	Zinc	30.2	60.0	1.4	ug/L	J		1	ISM01.2/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 18:00

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.015	ug/L	U		1	ISM01.2/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>MW-2</u>	Lab Sample ID: <u>200-3445-3</u>
Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-3445-1</u>
SDG ID.: <u>200-3445-1</u>	
Matrix: <u>Water</u>	Date Sampled: <u>01/20/2011 18:00</u>
Reporting Basis: <u>WET</u>	Date Received: <u>01/22/2011 08:50</u>

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3640	200	40.0	ug/L			1	ISM01.2/ ICP
7440-36-0	Antimony	60.0	60.0	2.6	ug/L	U		1	ISM01.2/ ICP
7440-38-2	Arsenic	3.7	10.0	2.9	ug/L	J		1	ISM01.2/ ICP
7440-39-3	Barium	24.5	200	13.0	ug/L	J		1	ISM01.2/ ICP
7440-41-7	Beryllium	5.0	5.0	0.88	ug/L	U		1	ISM01.2/ ICP
7440-43-9	Cadmium	5.0	5.0	0.63	ug/L	U		1	ISM01.2/ ICP
7440-70-2	Calcium	12700	5000	430	ug/L			1	ISM01.2/ ICP
7440-47-3	Chromium	22.6	10.0	0.49	ug/L			1	ISM01.2/ ICP
7440-48-4	Cobalt	50.0	50.0	1.1	ug/L	U		1	ISM01.2/ ICP
7440-50-8	Copper	8.9	25.0	2.9	ug/L	J		1	ISM01.2/ ICP
7439-89-6	Iron	521	100	15.0	ug/L			1	ISM01.2/ ICP
7439-92-1	Lead	3.2	10.0	2.3	ug/L	J		1	ISM01.2/ ICP
7439-95-4	Magnesium	3060	5000	240	ug/L	J		1	ISM01.2/ ICP
7439-96-5	Manganese	750	150	7.1	ug/L			10	ISM01.2/ ICP
7440-02-0	Nickel	133	40.0	1.2	ug/L			1	ISM01.2/ ICP
7440-09-7	Potassium	18300	5000	150	ug/L			1	ISM01.2/ ICP
7782-49-2	Selenium	35.0	35.0	4.5	ug/L	U		1	ISM01.2/ ICP
7440-22-4	Silver	10.0	10.0	1.6	ug/L	U		1	ISM01.2/ ICP
7440-23-5	Sodium	19800	5000	100	ug/L			1	ISM01.2/ ICP
7440-28-0	Thallium	25.0	25.0	3.0	ug/L	U		1	ISM01.2/ ICP
7440-62-2	Vanadium	6.5	50.0	2.4	ug/L	J		1	ISM01.2/ ICP
7440-66-6	Zinc	20.9	60.0	1.4	ug/L	J		1	ISM01.2/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	MW-3	Lab Sample ID:	200-3445-4
Lab Name:	TestAmerica Burlington	Job No.:	200-3445-1
SDG ID.:	200-3445-1		
Matrix:	Water	Date Sampled:	01/20/2011 13:15
Reporting Basis:	WET	Date Received:	01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.015	ug/L	J		1	ISM01.2/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-3

Lab Sample ID: 200-3445-4

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 13:15

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	1330	200	40.0	ug/L			1	ISM01.2/ ICP
7440-36-0	Antimony	60.0	60.0	2.6	ug/L	U		1	ISM01.2/ ICP
7440-38-2	Arsenic	10.0	10.0	2.9	ug/L	U		1	ISM01.2/ ICP
7440-39-3	Barium	90.8	200	13.0	ug/L	J		1	ISM01.2/ ICP
7440-41-7	Beryllium	5.0	5.0	0.88	ug/L	U		1	ISM01.2/ ICP
7440-43-9	Cadmium	5.0	5.0	0.63	ug/L	U		1	ISM01.2/ ICP
7440-70-2	Calcium	13100	5000	430	ug/L			1	ISM01.2/ ICP
7440-47-3	Chromium	90.4	10.0	0.49	ug/L			1	ISM01.2/ ICP
7440-48-4	Cobalt	-1.78041-00 5	50.0	1.1	ug/L			1	ISM01.2/ ICP
7440-50-8	Copper	25.0	25.0	2.9	ug/L	U		1	ISM01.2/ ICP
7439-89-6	Iron	179	100	15.0	ug/L			1	ISM01.2/ ICP
7439-92-1	Lead	10.0	10.0	2.3	ug/L	U		1	ISM01.2/ ICP
7439-95-4	Magnesium	6270	5000	240	ug/L			1	ISM01.2/ ICP
7439-96-5	Manganese	10200	750	35.5	ug/L			50	ISM01.2/ ICP
7440-02-0	Nickel	95.4	40.0	1.2	ug/L			1	ISM01.2/ ICP
7440-09-7	Potassium	17300	5000	150	ug/L			1	ISM01.2/ ICP
7782-49-2	Selenium	35.0	35.0	4.5	ug/L	U		1	ISM01.2/ ICP
7440-22-4	Silver	10.0	10.0	1.6	ug/L	U		1	ISM01.2/ ICP
7440-23-5	Sodium	16700	5000	100	ug/L			1	ISM01.2/ ICP
7440-28-0	Thallium	25.0	25.0	3.0	ug/L	U		1	ISM01.2/ ICP
7440-62-2	Vanadium	50.0	50.0	2.4	ug/L	U		1	ISM01.2/ ICP
7440-66-6	Zinc	59.8	60.0	1.4	ug/L	J		1	ISM01.2/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-4 Lab Sample ID: 200-3445-5
Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG ID.: 200-3445-1
Matrix: Water Date Sampled: 01/20/2011 11:30
Reporting Basis: WET Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.091	0.20	0.015	ug/L	J		1	ISM01.2/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-4

Lab Sample ID: 200-3445-5

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 11:30

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2400	200	40.0	ug/L			1	ISM01.2/ ICP
7440-36-0	Antimony	3.5	60.0	2.6	ug/L	J		1	ISM01.2/ ICP
7440-38-2	Arsenic	10.0	10.0	2.9	ug/L	U		1	ISM01.2/ ICP
7440-39-3	Barium	66.9	200	13.0	ug/L	J		1	ISM01.2/ ICP
7440-41-7	Beryllium	5.0	5.0	0.88	ug/L	U		1	ISM01.2/ ICP
7440-43-9	Cadmium	5.0	5.0	0.63	ug/L	U		1	ISM01.2/ ICP
7440-70-2	Calcium	20100	5000	430	ug/L			1	ISM01.2/ ICP
7440-47-3	Chromium	135	10.0	0.49	ug/L			1	ISM01.2/ ICP
7440-48-4	Cobalt	50.0	50.0	1.1	ug/L	U		1	ISM01.2/ ICP
7440-50-8	Copper	25.0	25.0	2.9	ug/L	U		1	ISM01.2/ ICP
7439-89-6	Iron	26.4	100	15.0	ug/L	J		1	ISM01.2/ ICP
7439-92-1	Lead	10.0	10.0	2.3	ug/L	U		1	ISM01.2/ ICP
7439-95-4	Magnesium	8810	5000	240	ug/L			1	ISM01.2/ ICP
7439-96-5	Manganese	15300	1500	71.0	ug/L			100	ISM01.2/ ICP
7440-02-0	Nickel	18.9	40.0	1.2	ug/L	J		1	ISM01.2/ ICP
7440-09-7	Potassium	22600	5000	150	ug/L			1	ISM01.2/ ICP
7782-49-2	Selenium	35.0	35.0	4.5	ug/L	U		1	ISM01.2/ ICP
7440-22-4	Silver	10.0	10.0	1.6	ug/L	U		1	ISM01.2/ ICP
7440-23-5	Sodium	25300	5000	100	ug/L			1	ISM01.2/ ICP
7440-28-0	Thallium	25.0	25.0	3.0	ug/L	U		1	ISM01.2/ ICP
7440-62-2	Vanadium	50.0	50.0	2.4	ug/L	U		1	ISM01.2/ ICP
7440-66-6	Zinc	32.1	60.0	1.4	ug/L	J		1	ISM01.2/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-6

Lab Sample ID: 200-3445-6

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 12:00

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.11	0.20	0.015	ug/L	J		1	ISM01.2/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: <u>MW-6</u>	Lab Sample ID: <u>200-3445-6</u>
Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-3445-1</u>
SDG ID.: <u>200-3445-1</u>	
Matrix: <u>Water</u>	Date Sampled: <u>01/20/2011 12:00</u>
Reporting Basis: <u>WET</u>	Date Received: <u>01/22/2011 08:50</u>

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2410	200	40.0	ug/L			1	ISM01.2/ ICP
7440-36-0	Antimony	60.0	60.0	2.6	ug/L	U		1	ISM01.2/ ICP
7440-38-2	Arsenic	10.0	10.0	2.9	ug/L	U		1	ISM01.2/ ICP
7440-39-3	Barium	70.5	200	13.0	ug/L	J		1	ISM01.2/ ICP
7440-41-7	Beryllium	5.0	5.0	0.88	ug/L	U		1	ISM01.2/ ICP
7440-43-9	Cadmium	5.0	5.0	0.63	ug/L	U		1	ISM01.2/ ICP
7440-70-2	Calcium	20700	5000	430	ug/L			1	ISM01.2/ ICP
7440-47-3	Chromium	138	10.0	0.49	ug/L			1	ISM01.2/ ICP
7440-48-4	Cobalt	50.0	50.0	1.1	ug/L	U		1	ISM01.2/ ICP
7440-50-8	Copper	25.0	25.0	2.9	ug/L	U		1	ISM01.2/ ICP
7439-89-6	Iron	24.3	100	15.0	ug/L	J		1	ISM01.2/ ICP
7439-92-1	Lead	10.0	10.0	2.3	ug/L	U		1	ISM01.2/ ICP
7439-95-4	Magnesium	8950	5000	240	ug/L			1	ISM01.2/ ICP
7439-96-5	Manganese	15900	1500	71.0	ug/L			100	ISM01.2/ ICP
7440-02-0	Nickel	19.9	40.0	1.2	ug/L	J		1	ISM01.2/ ICP
7440-09-7	Potassium	23000	5000	150	ug/L			1	ISM01.2/ ICP
7782-49-2	Selenium	35.0	35.0	4.5	ug/L	U		1	ISM01.2/ ICP
7440-22-4	Silver	10.0	10.0	1.6	ug/L	U		1	ISM01.2/ ICP
7440-23-5	Sodium	25900	5000	100	ug/L			1	ISM01.2/ ICP
7440-28-0	Thallium	25.0	25.0	3.0	ug/L	U		1	ISM01.2/ ICP
7440-62-2	Vanadium	50.0	50.0	2.4	ug/L	U		1	ISM01.2/ ICP
7440-66-6	Zinc	7.8	60.0	1.4	ug/L	J		1	ISM01.2/ ICP

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FB 01202011 Lab Sample ID: 200-3445-7
Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG ID.: 200-3445-1
Matrix: Water Date Sampled: 01/20/2011 16:00
Reporting Basis: WET Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDLE	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.026	0.20	0.015	ug/L	J		1	ISM01.2/ HG

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FB 01202011

Lab Sample ID: 200-3445-7

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 16:00

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	200	200	40.0	ug/L	U		1	ISM01.2/ ICP
7440-36-0	Antimony	60.0	60.0	2.6	ug/L	U		1	ISM01.2/ ICP
7440-38-2	Arsenic	10.0	10.0	2.9	ug/L	U		1	ISM01.2/ ICP
7440-39-3	Barium	200	200	13.0	ug/L	U		1	ISM01.2/ ICP
7440-41-7	Beryllium	5.0	5.0	0.88	ug/L	U		1	ISM01.2/ ICP
7440-43-9	Cadmium	5.0	5.0	0.63	ug/L	U		1	ISM01.2/ ICP
7440-70-2	Calcium	5000	5000	430	ug/L	U		1	ISM01.2/ ICP
7440-47-3	Chromium	10.0	10.0	0.49	ug/L	U		1	ISM01.2/ ICP
7440-48-4	Cobalt	50.0	50.0	1.1	ug/L	U		1	ISM01.2/ ICP
7440-50-8	Copper	10.2	25.0	2.9	ug/L	J		1	ISM01.2/ ICP
7439-89-6	Iron	100	100	15.0	ug/L	U		1	ISM01.2/ ICP
7439-92-1	Lead	10.0	10.0	2.3	ug/L	U		1	ISM01.2/ ICP
7439-95-4	Magnesium	5000	5000	240	ug/L	U		1	ISM01.2/ ICP
7439-96-5	Manganese	3.7	15.0	0.71	ug/L	J		1	ISM01.2/ ICP
7440-02-0	Nickel	40.0	40.0	1.2	ug/L	U		1	ISM01.2/ ICP
7440-09-7	Potassium	5000	5000	150	ug/L	U		1	ISM01.2/ ICP
7782-49-2	Selenium	35.0	35.0	4.5	ug/L	U		1	ISM01.2/ ICP
7440-22-4	Silver	10.0	10.0	1.6	ug/L	U		1	ISM01.2/ ICP
7440-23-5	Sodium	5000	5000	100	ug/L	U		1	ISM01.2/ ICP
7440-28-0	Thallium	25.0	25.0	3.0	ug/L	U		1	ISM01.2/ ICP
7440-62-2	Vanadium	50.0	50.0	2.4	ug/L	U		1	ISM01.2/ ICP
7440-66-6	Zinc	60.0	60.0	1.4	ug/L	U		1	ISM01.2/ ICP

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

ICV Source: MEEPAICVw_00005 Concentration Units: ug/L

CCV Source: MEISMCAli_00019

Analyte	ICV 200-12644/8 01/25/2011 16:22				ICV 200-12644/9 ^10 01/25/2011 16:26				CCV 200-12644/15 01/25/2011 16:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	2610		2520	104					3230		3200	101
Antimony	1010		994	102					922		960	96
Barium	509		497	102					3130		3200	98
Calcium	10400		10000	104					39700		40000	99
Cobalt	525		499	105					805		800	101
Copper	520		492	106					395		400	99
Iron	5350		5080	105					1700		1600	107
Magnesium	6340		6070	104					39700		40000	99
Nickel	530		503	105					644		640	101
Potassium	10400		10000	103					39500		40000	99
Sodium	10200		10100	101					39500		40000	99
Vanadium	503		501	100					798		800	100
Zinc	1020		1020	100					955		960	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

ICV Source: MEEPAICVw_00005 Concentration Units: ug/L

CCV Source: MEISMCAli_00019

Analyte	CCV 200-12644/27 01/25/2011 17:56				CCV 200-12644/36 01/25/2011 18:40							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	3200		3200	100								
Antimony	931		960	97								
Barium	3110		3200	97								
Calcium	39400		40000	99								
Cobalt	809		800	101								
Copper	396		400	99								
Iron	1690		1600	106								
Magnesium	39600		40000	99								
Nickel	646		640	101								
Potassium	39600		40000	99								
Sodium	39500		40000	99								
Vanadium	799		800	100								
Zinc	959		960	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

ICV Source: MEEPAICVw_00005 Concentration Units: ug/L

CCV Source: MEISMCAli_00019

Analyte	ICV 200-12644/8 01/25/2011 16:22				ICV 200-12644/9 ^10 01/25/2011 16:26				CCV 200-12644/15 01/25/2011 16:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic					997		999	100	159		160	99
Beryllium					484		495	98	77.9		80.0	97
Cadmium					505		496	102	78.9		80.0	99
Chromium					505		490	103	158		160	99
Lead					996		1000	99	155		160	97
Manganese					526		499	105	238		240	99
Selenium					1020		1030	99	282		280	101
Silver					530		501	106	155		160	97
Thallium					1020		1030	99	394		400	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 ICV Source: MEEPAICVw_00005 Concentration Units: ug/L
 CCV Source: MEISMCAli_00019

Analyte	CCV 200-12644/27 01/25/2011 17:56				CCV 200-12644/36 01/25/2011 18:40							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	159		160	99								
Beryllium	77.7		80.0	97								
Cadmium	79.4		80.0	99								
Chromium	159		160	99								
Lead	156		160	98								
Manganese	238		240	99	237		240	99				
Selenium	283		280	101								
Silver	155		160	97								
Thallium	396		400	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

ICV Source: MEHGISMICVw_00018 Concentration Units: ug/L

CCV Source: MEHGCCVw_00201

Analyte	ICV 200-12607/7-A 01/26/2011 12:01				CCV 200-12607/9-A 01/26/2011 12:05				CCV 200-12607/9-A 01/26/2011 12:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.2		4.00	104	5.2		5.00	105	5.1		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

SDG No.: 200-3445-1

Concentration Units: ug/L

Analyte	RL	ICBIS 200-12644/10 01/25/2011 16:31		CCB 200-12644/16 01/25/2011 17:00		CCB 200-12644/28 01/25/2011 18:00		CCB 200-12644/37 01/25/2011 18:45	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	200	U	200	U	200	U		
Antimony	60.0	60.0	U	13.3	J	11.0	J		
Arsenic	10.0	10.0	U	10.0	U	10.0	U		
Barium	200	200	U	200	U	200	U		
Beryllium	5.0	5.0	U	5.0	U	5.0	U		
Cadmium	5.0	5.0	U	5.0	U	5.0	U		
Calcium	5000	5000	U	5000	U	5000	U		
Chromium	10.0	10.0	U	10.0	U	10.0	U		
Cobalt	50.0	50.0	U	50.0	U	50.0	U		
Copper	25.0	25.0	U	25.0	U	25.0	U		
Iron	100	100	U	100	U	100	U		
Lead	10.0	10.0	U	10.0	U	10.0	U		
Magnesium	5000	5000	U	5000	U	5000	U		
Manganese	15.0	15.0	U	15.0	U	15.0	U	15.0	U
Nickel	40.0	40.0	U	40.0	U	40.0	U		
Potassium	5000	5000	U	5000	U	5000	U		
Selenium	35.0	5.1	J	35.0	U	35.0	U		
Silver	10.0	10.0	U	10.0	U	10.0	U		
Sodium	5000	5000	U	5000	U	5000	U		
Thallium	25.0	25.0	U	25.0	U	25.0	U		
Vanadium	50.0	50.0	U	50.0	U	50.0	U		
Zinc	60.0	60.0	U	60.0	U	60.0	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

Concentration Units: ug/L

Analyte	RL	ICB 200-12607/8-A 01/26/2011 12:03		CCB 200-12607/10-A 01/26/2011 12:07		CCB 200-12607/10-A 01/26/2011 12:26			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	-0.041	J	0.015	J	0.017	J		

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Concentration Units: ug/L Lab Sample ID: MB 200-12588/1-A
 Instrument Code: METICP7 Batch No.: 12644

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	-63	J		ISM01.1_ICP
7440-36-0	Antimony	3.7	J		ISM01.1_ICP
7440-38-2	Arsenic	10.0	U		ISM01.1_ICP
7440-39-3	Barium	200	U		ISM01.1_ICP
7440-41-7	Beryllium	5.0	U		ISM01.1_ICP
7440-43-9	Cadmium	5.0	U		ISM01.1_ICP
7440-70-2	Calcium	5000	U		ISM01.1_ICP
7440-47-3	Chromium	10.0	U		ISM01.1_ICP
7440-48-4	Cobalt	50.0	U		ISM01.1_ICP
7440-50-8	Copper	25.0	U		ISM01.1_ICP
7439-89-6	Iron	100	U		ISM01.1_ICP
7439-92-1	Lead	10.0	U		ISM01.1_ICP
7439-95-4	Magnesium	5000	U		ISM01.1_ICP
7439-96-5	Manganese	15.0	U		ISM01.1_ICP
7440-02-0	Nickel	40.0	U		ISM01.1_ICP
7440-09-7	Potassium	5000	U		ISM01.1_ICP
7782-49-2	Selenium	35.0	U		ISM01.1_ICP
7440-22-4	Silver	10.0	U		ISM01.1_ICP
7440-23-5	Sodium	5000	U		ISM01.1_ICP
7440-28-0	Thallium	25.0	U		ISM01.1_ICP
7440-62-2	Vanadium	50.0	U		ISM01.1_ICP
7440-66-6	Zinc	60.0	U		ISM01.1_ICP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Concentration Units: ug/L Lab Sample ID: MB 200-12607/11-A
Instrument Code: MEPCV3 Batch No.: 12682

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	-0.032	J		ISM01.1_HG

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: ICSA 200-12644/11 Instrument ID: METICP7
 Lab File ID: 012511-02.ttx ICS Source: MEISMOESICAw_00006
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	244000	248263	102
Antimony		1.99	
Arsenic		1.53	
Barium	2.00	16.5	824
Beryllium		0.512	
Cadmium		1.61	
Calcium	235000	251967	107
Chromium	43.0	45.0	105
Cobalt	4.00	5.06	127
Copper	23.0	20.4	89
Iron	95600	99759	104
Lead	10.0	9.27	93
Magnesium	248000	251913	102
Manganese	19.0	21.2	111
Nickel	21.0	21.7	103
Potassium		72.6	
Selenium		-4.50	
Silver		0.293	
Sodium		856	
Thallium		2.14	
Vanadium		-1.71	
Zinc	28.0	27.7	99

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: ICSA 200-12644/12 ^10 Instrument ID: METICP7
 Lab File ID: 012511-02.ttx ICS Source: MEISMOESICAw_00006
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	244000	251482	103
Antimony		6.28	
Arsenic		10.9	
Barium	2.00	30.6	1529
Beryllium		2.26	
Cadmium		2.83	
Calcium	235000	257049	109
Chromium	43.0	45.1	105
Cobalt	4.00	5.21	130
Copper	23.0	18.2	79
Iron	95600	102902	108
Lead	10.0	16.9	169
Magnesium	248000	259216	105
Manganese	19.0	21.9	115
Nickel	21.0	18.3	87
Potassium		491	
Selenium		19.1	
Silver		4.39	
Sodium		756	
Thallium		0.573	
Vanadium		-10.8	
Zinc	28.0	28.9	103

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: ICSAB 200-12644/13 Instrument ID: METICP7
 Lab File ID: 012511-02.ttx ICS Source: MEISMOESICABw_00006
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	244000	249152	102
Antimony	589	617	105
Arsenic	101	100	99
Barium	495	504	102
Beryllium	475	491	103
Cadmium	940	982	104
Calcium	235000	251346	107
Chromium	511	529	103
Cobalt	461	492	107
Copper	548	528	96
Iron	95600	99877	104
Lead	61.0	62.7	103
Magnesium	248000	250744	101
Manganese	502	519	103
Nickel	984	1013	103
Potassium		2.04	
Selenium	53.0	48.4	91
Silver	206	204	99
Sodium		895	
Thallium	103	96.2	93
Vanadium	494	498	101
Zinc	1030	1056	103

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
 SDG No.: 200-3445-1
 Lab Sample ID: ICSAB 200-12644/14 ^10 Instrument ID: METICP7
 Lab File ID: 012511-02.ttx ICS Source: MEISMOESICABw_00006
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	244000	249035	102
Antimony	589	610	104
Arsenic	101	81.5	81
Barium	495	562	114
Beryllium	475	485	102
Cadmium	940	978	104
Calcium	235000	255759	109
Chromium	511	532	104
Cobalt	461	507	110
Copper	548	510	93
Iron	95600	102469	107
Lead	61.0	55.0	90
Magnesium	248000	257987	104
Manganese	502	528	105
Nickel	984	1044	106
Potassium		169	
Selenium	53.0	71.4	135
Silver	206	204	99
Sodium		815	
Thallium	103	96.9	94
Vanadium	494	488	99
Zinc	1030	1052	102

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 200-12588/2-A

Lab Name: TestAmerica Burlington

Job No.: 200-3445-1

Sample Matrix: Water

LCS Source: MEISMOESLCS_00007

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	400	385		96	70	130		ISM01.2/ICP
Antimony	120	124		104	70	130		ISM01.2/ICP
Arsenic	20.0	19.4		97	70	130		ISM01.2/ICP
Barium	400	391		98	70	130		ISM01.2/ICP
Beryllium	10.0	10		100	70	130		ISM01.2/ICP
Cadmium	10.0	10		100	70	130		ISM01.2/ICP
Calcium	10000	10200		102	70	130		ISM01.2/ICP
Chromium	20.0	19.6		98	70	130		ISM01.2/ICP
Cobalt	100	103		103	70	130		ISM01.2/ICP
Copper	50.0	50.6		101	70	130		ISM01.2/ICP
Iron	200	220		110	70	130		ISM01.2/ICP
Lead	20.0	19.3		96	70	130		ISM01.2/ICP
Magnesium	10000	10400		104	70	130		ISM01.2/ICP
Manganese	30.0	29.9		100	70	130		ISM01.2/ICP
Nickel	80.0	82.6		103	70	130		ISM01.2/ICP
Potassium	10000	10400		104	70	130		ISM01.2/ICP
Selenium	70.0	71.7		102	70	130		ISM01.2/ICP
Silver	20.0	20.3		102	70	130		ISM01.2/ICP
Sodium	10000	10200		102	70	130		ISM01.2/ICP
Thallium	50.0	48.7		97	70	130		ISM01.2/ICP
Vanadium	100	99.9		100	70	130		ISM01.2/ICP
Zinc	120	126		105	70	130		ISM01.2/ICP

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 200-3445-1

SDG No: 200-3445-1

Lab Name: TestAmerica Burlington

Job No: 200-3445-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	2010		1960		3		ISM01.2/ICP
Antimony	4.1	J	300	U	100		ISM01.2/ICP
Arsenic	10.0	U	50.0	U			ISM01.2/ICP
Barium	41.4	J	91.9	J	122		ISM01.2/ICP
Beryllium	5.0	U	25.0	U			ISM01.2/ICP
Cadmium	5.0	U	25.0	U			ISM01.2/ICP
Calcium	18400		18500	J	0		ISM01.2/ICP
Chromium	157		155		1		ISM01.2/ICP
Cobalt	50.0	U	250	U			ISM01.2/ICP
Copper	25.0	U	125	U			ISM01.2/ICP
Iron	252		285	J	13		ISM01.2/ICP
Lead	10.0	U	50.0	U			ISM01.2/ICP
Magnesium	11200		11300	J	1		ISM01.2/ICP
Manganese	14200		14900		5		ISM01.2/ICP
Nickel	18.7	J	16.5	J	12		ISM01.2/ICP
Potassium	20400		20800	J	2		ISM01.2/ICP
Selenium	35.0	U	175	U			ISM01.2/ICP
Silver	10.0	U	50.0	U			ISM01.2/ICP
Sodium	26800		26900		0		ISM01.2/ICP
Thallium	25.0	U	125	U			ISM01.2/ICP
Vanadium	50.0	U	250	U			ISM01.2/ICP
Zinc	8.8	J	11.0	J	25		ISM01.2/ICP

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-3445-1
 SDG Number: 200-3445-1
 Matrix: Water Instrument ID: METICP7
 Analysis Method: ISM01.2/ICP MDL Date: 07/23/2010 14:34
 Prep Method: ISM01.2/ICP
 Leach Method: _____

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum	396.152	200	40
Antimony	206.833	60	2.6
Arsenic	189.042	10	2.9
Barium	233.527	200	13
Beryllium	313.042	5	0.88
Cadmium	228.802	5	0.63
Calcium	318.128	5000	430
Chromium	205.552	10	0.49
Cobalt	228.616	50	1.1
Copper	324.754	25	2.9
Iron	271.441	100	15
Lead	220.353	10	2.3
Magnesium	279.079	5000	240
Manganese	257.610	15	0.71
Nickel	231.604	40	1.2
Potassium	766.490	5000	150
Selenium	196.090	35	4.5
Silver	328.068	10	1.6
Sodium	589.592	5000	100
Thallium	190.856	25	3
Vanadium	292.402	50	2.4
Zinc	213.856	60	1.4

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington

Job Number: 200-3445-1

SDG Number: 200-3445-1

Matrix: Water

Instrument ID: METICP7

Analysis Method: ISM01.2/ICP

XMDL Date: 07/23/2010 14:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum	396.152	200	40
Antimony	206.833	60	2.6
Arsenic	189.042	10	2.9
Barium	233.527	200	13
Beryllium	313.042	5	0.88
Cadmium	228.802	5	0.63
Calcium	318.128	5000	430
Chromium	205.552	10	0.49
Cobalt	228.616	50	1.1
Copper	324.754	25	2.9
Iron	271.441	100	15
Lead	220.353	10	2.3
Magnesium	279.079	5000	240
Manganese	257.610	15	0.71
Nickel	231.604	40	1.2
Potassium	766.490	5000	150
Selenium	196.090	35	4.5
Silver	328.068	10	1.6
Sodium	589.592	5000	100
Thallium	190.856	25	3
Vanadium	292.402	50	2.4
Zinc	213.856	60	1.4

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: MEPCV3
Analysis Method: ISM01.2/HG MDLE Date: 01/01/2010 15:11
Prep Method: ISM01.2/HG
Leach Method: _____

Analyte	Wavelength/ Mass	RL (ug/L)	MDLE (ug/L)
Mercury		0.2	0.015

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: MEPCV3
Analysis Method: ISM01.2/HG XMDL Date: 01/01/2009 09:10

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.036

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-3445-1

SDG No.: 200-3445-1

ICP-AES Instrument ID: METICP7 Date: 08/23/2010

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	396.152							-0.000140					-0.000034		
Antimony	206.833										0.012833		0.000043		
Arsenic	189.042		0.000008								-0.009131				
Barium	233.527														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802			0.00381											
Calcium	318.128														
Chromium	205.552						-0.000468								
Cobalt	228.616					0.000336									
Copper	324.754												0.000028		
Iron	271.441									0.053090					
Lead	220.353		-0.000074									-0.003676	0.000016		
Magnesium	279.079												-0.000239		
Manganese	257.610														0.000018
Molybdenum	202.030														
Nickel	231.604												0.000028		
Phosphorus	178.284														
Potassium	766.49														
Selenium	196.090		0.000031										0.000037		
Silicon	288.158										0.000807				
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856									0.001551	0.000334				
Tin	189.989														
Titanium	334.904										0.000214				
Vanadium	292.402												0.000024		
Zinc	213.856		0.000008									0.000120	0.000060		0.000030

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-3445-1

SDG No.: 200-3445-1

ICP-AES Instrument ID: METICP7 Date: 08/23/2010

Analyte	Wave Length	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl	V
Aluminum	396.152		0.037860												
Antimony	206.833		-0.002167								-0.007709				-0.002332
Arsenic	189.042		0.000403												
Barium	233.527														-0.002088
Beryllium	313.042												-0.000965		0.000220
Boron	208.959		0.043566												
Cadmium	228.802														0.000047
Calcium	318.128														
Chromium	205.552	0.000104	-0.000189		-0.000122										
Cobalt	228.616		-0.001701		0.000151								0.001942		
Copper	324.754		0.000222												
Iron	271.441		0.004024												
Lead	220.353	0.000115	-0.002217										-0.000567		
Magnesium	279.079		-0.007006										-0.004312		
Manganese	257.610														
Molybdenum	202.030	-0.000111													
Nickel	231.604		0.000623												
Phosphorus	178.284		-0.002043												
Potassium	766.49														
Selenium	196.090	0.000782	0.000543												
Silicon	288.158		0.000534										0.001909		0.001925
Silver	328.068	0.000198											-0.000174		
Sodium	589.592														
Strontium	407.771														
Thallium	190.856	0.001810											-0.000563		0.002237
Tin	189.989														
Titanium	334.904		0.000419												
Vanadium	292.402		-0.006188										0.000914		
Zinc	213.856		-0.000222		0.004720								-0.000808		

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-3445-1
SDG No.: 200-3445-1
ICP-AES Instrument ID: METICP7 Date: 08/23/2010

Analyte	Wave Length	Zn													
Aluminum	396.152														
Antimony	206.833														
Arsenic	189.042														
Barium	233.527														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802														
Calcium	318.128														
Chromium	205.552														
Cobalt	228.616														
Copper	324.754														
Iron	271.441														
Lead	220.353														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Phosphorus	178.284														
Potassium	766.49														
Selenium	196.090														
Silicon	288.158														
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Thallium	190.856														
Tin	189.989														
Titanium	334.904														
Vanadium	292.402														
Zinc	213.856														

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Burlington

Job No: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: METICP7

Date: 01/01/2010 18:25

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum	5	200000	ISM01.2/ICP
Antimony	20	1920	ISM01.2/ICP
Arsenic	20	320	ISM01.2/ICP
Barium	5	6400	ISM01.2/ICP
Beryllium	5	160	ISM01.2/ICP
Cadmium	20	160	ISM01.2/ICP
Calcium	5	200000	ISM01.2/ICP
Chromium	20	320	ISM01.2/ICP
Cobalt	20	1600	ISM01.2/ICP
Copper	10	800	ISM01.2/ICP
Iron	10	200000	ISM01.2/ICP
Lead	20	320	ISM01.2/ICP
Magnesium	5	200000	ISM01.2/ICP
Manganese	10	480	ISM01.2/ICP
Nickel	20	1280	ISM01.2/ICP
Potassium	5	100000	ISM01.2/ICP
Selenium	20	560	ISM01.2/ICP
Silver	10	320	ISM01.2/ICP
Sodium	5	100000	ISM01.2/ICP
Thallium	20	800	ISM01.2/ICP
Vanadium	10	1600	ISM01.2/ICP
Zinc	20	1920	ISM01.2/ICP

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

Preparation Method: ISM01.2/ICP

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 200-12588/1-A	01/25/2011 08:20	12588		100	100
LCS 200-12588/2-A	01/25/2011 08:20	12588		100	100
200-3445-1	01/25/2011 08:20	12588		100	100
200-3445-2	01/25/2011 08:20	12588		100	100
200-3445-3	01/25/2011 08:20	12588		100	100
200-3445-4	01/25/2011 08:20	12588		100	100
200-3445-5	01/25/2011 08:20	12588		100	100
200-3445-6	01/25/2011 08:20	12588		100	100
200-3445-7	01/25/2011 08:20	12588		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

Preparation Method: ISM01.2/HG

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 200-12607/11-A	01/25/2011 11:00	12607		50	50
200-3445-1	01/25/2011 11:00	12607		50	50
200-3445-2	01/25/2011 11:00	12607		50	50
200-3445-3	01/25/2011 11:00	12607		50	50
200-3445-4	01/25/2011 11:00	12607		50	50
200-3445-5	01/25/2011 11:00	12607		50	50
200-3445-6	01/25/2011 11:00	12607		50	50
200-3445-7	01/25/2011 11:00	12607		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: METICP7 Method: ISM01.2/ICP

Start Date: 01/25/2011 15:47 End Date: 01/25/2011 18:45

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
CALIBSTD 200-12644/1 IC			15:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CALIBSTD 200-12644/2 IC			15:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CALIBSTD 200-12644/3 IC			15:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CALIBSTD 200-12644/4 IC			16:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CALIBSTD 200-12644/5 IC			16:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CALIBSTD 200-12644/6 IC			16:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CALIBSTD 200-12644/7 IC			16:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICV 200-12644/8	1		16:22		X		X		X		X		X	X	X	X		X	X		X		
ICV 200-12644/9 ^10	10		16:26	X		X		X		X		X					X			X		X	
ICBIS 200-12644/10	1		16:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 200-12644/11	1		16:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 200-12644/12 ^10	10		16:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 200-12644/13	1		16:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 200-12644/14 ^10	10		16:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 200-12644/15	1		16:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 200-12644/16	1		17:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 200-12588/1-A	1	T	17:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCS 200-12588/2-A	1	T	17:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
200-3445-1	1	T	17:15	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
200-3445-1 SD	5	T	17:20	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
200-3445-2	1	T	17:25	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
200-3445-3	1	T	17:31	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
200-3445-4	1	T	17:35	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
200-3445-5	1	T	17:41	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
200-3445-6	1	T	17:46	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	
200-3445-7	1	T	17:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 200-12644/27	1		17:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 200-12644/28	1		18:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
200-3445-1	100	T	18:05														X						
200-3445-1 SD	500	T	18:10														X						
200-3445-2	10	T	18:15														X						
200-3445-3	10	T	18:20														X						
200-3445-4	50	T	18:25														X						
200-3445-5	100	T	18:30														X						
200-3445-6	100	T	18:35														X						
CCV 200-12644/36	1		18:40														X						
CCB 200-12644/37	1		18:45														X						

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: METICP7 Method: ISM01.2/ICP

Start Date: 01/25/2011 15:47 End Date: 01/25/2011 18:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CALIBSTD 200-12644/1 IC			15:47	X	X																
CALIBSTD 200-12644/2 IC			15:52	X	X																
CALIBSTD 200-12644/3 IC			15:57	X	X																
CALIBSTD 200-12644/4 IC			16:02	X	X																
CALIBSTD 200-12644/5 IC			16:07	X	X																
CALIBSTD 200-12644/6 IC			16:12	X	X																
CALIBSTD 200-12644/7 IC			16:17	X	X																
ICV 200-12644/8	1		16:22	X	X																
ICV 200-12644/9 ^10	10		16:26																		
ICBIS 200-12644/10	1		16:31	X	X																
ICSA 200-12644/11	1		16:36	X	X																
ICSA 200-12644/12 ^10	10		16:41	X	X																
ICSAB 200-12644/13	1		16:46	X	X																
ICSAB 200-12644/14 ^10	10		16:51	X	X																
CCV 200-12644/15	1		16:56	X	X																
CCB 200-12644/16	1		17:00	X	X																
MB 200-12588/1-A	1	T	17:05	X	X																
LCS 200-12588/2-A	1	T	17:10	X	X																
200-3445-1	1	T	17:15	X	X																
200-3445-1 SD	5	T	17:20	X	X																
200-3445-2	1	T	17:25	X	X																
200-3445-3	1	T	17:31	X	X																
200-3445-4	1	T	17:35	X	X																
200-3445-5	1	T	17:41	X	X																
200-3445-6	1	T	17:46	X	X																
200-3445-7	1	T	17:51	X	X																
CCV 200-12644/27	1		17:56	X	X																
CCB 200-12644/28	1		18:00	X	X																
200-3445-1	100	T	18:05																		
200-3445-1 SD	500	T	18:10																		
200-3445-2	10	T	18:15																		
200-3445-3	10	T	18:20																		
200-3445-4	50	T	18:25																		
200-3445-5	100	T	18:30																		
200-3445-6	100	T	18:35																		
CCV 200-12644/36	1		18:40																		
CCB 200-12644/37	1		18:45																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1
SDG No.: 200-3445-1
Instrument ID: METICP7 Method: ISM01.2/ICP
Start Date: 01/25/2011 15:47 End Date: 01/25/2011 18:45

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-3445-1

SDG No.: 200-3445-1

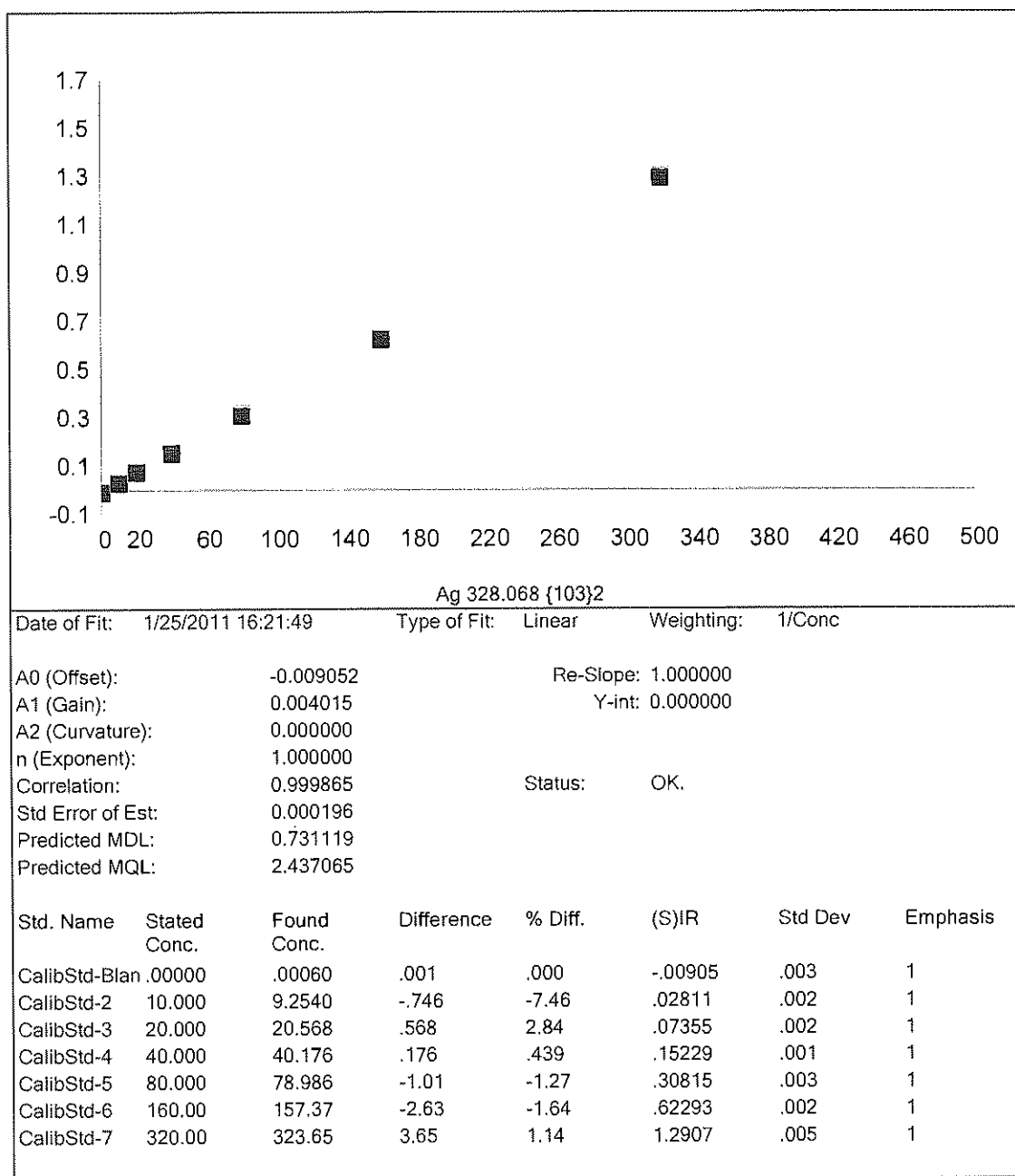
Instrument ID: MEPCV3 Method: ISM01.2/HG

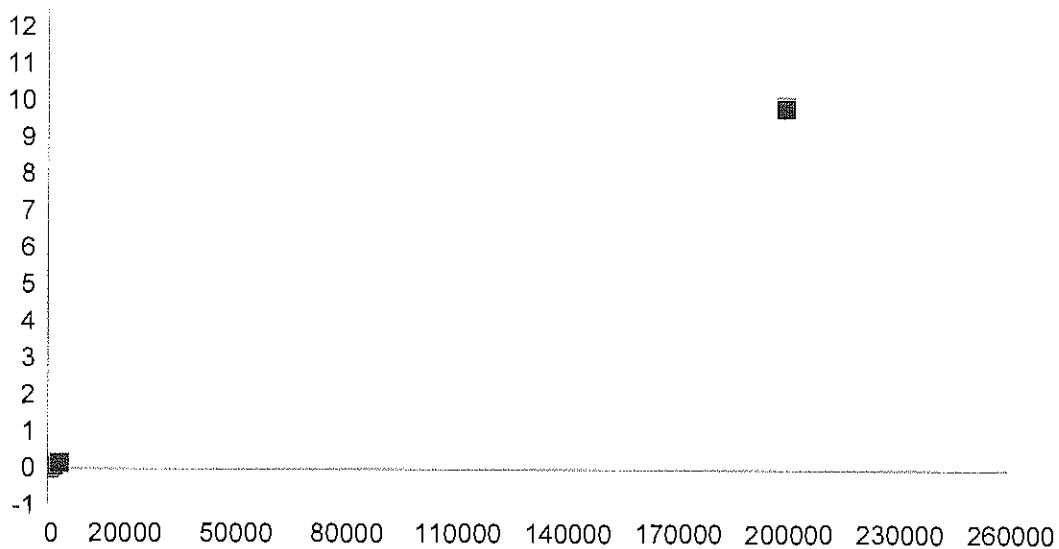
Start Date: 01/26/2011 11:50 End Date: 01/26/2011 12:26

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 200-12607/1-A			11:50	X																	
IC 200-12607/2-A			11:52	X																	
IC 200-12607/3-A			11:54	X																	
IC 200-12607/4-A			11:56	X																	
IC 200-12607/5-A			11:58	X																	
IC 200-12607/6-A			11:59	X																	
ICV 200-12607/7-A	1		12:01	X																	
ICB 200-12607/8-A	1		12:03	X																	
CCV 200-12607/9-A	1		12:05	X																	
CCB 200-12607/10-A	1		12:07	X																	
MB 200-12607/11-A	1	T	12:09	X																	
200-3445-1	1	T	12:11	X																	
200-3445-2	1	T	12:13	X																	
200-3445-3	1	T	12:15	X																	
200-3445-4	1	T	12:17	X																	
200-3445-5	1	T	12:19	X																	
200-3445-6	1	T	12:21	X																	
200-3445-7	1	T	12:23	X																	
CCV 200-12607/9-A	1		12:25	X																	
CCB 200-12607/10-A	1		12:26	X																	

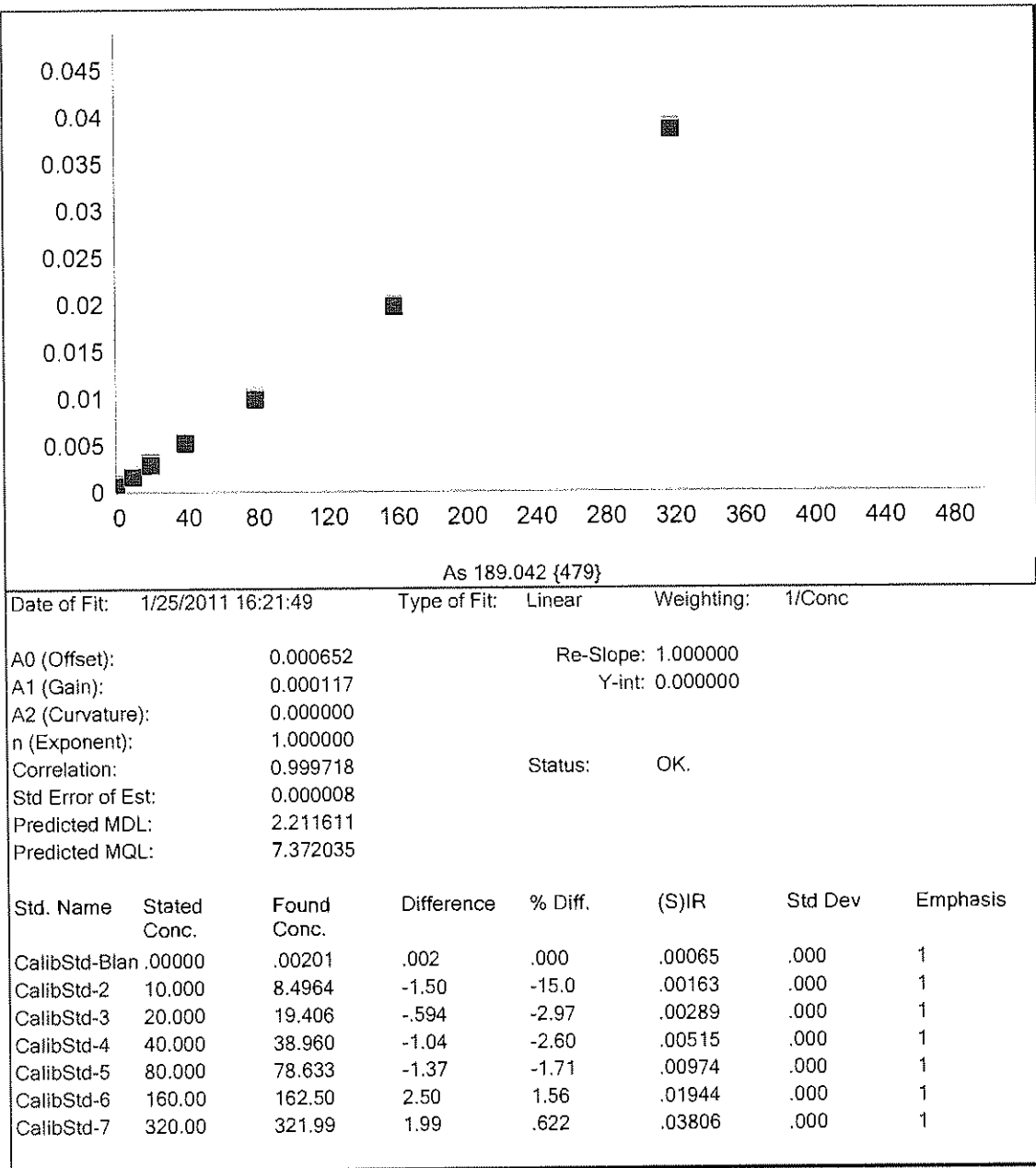
Prep Types

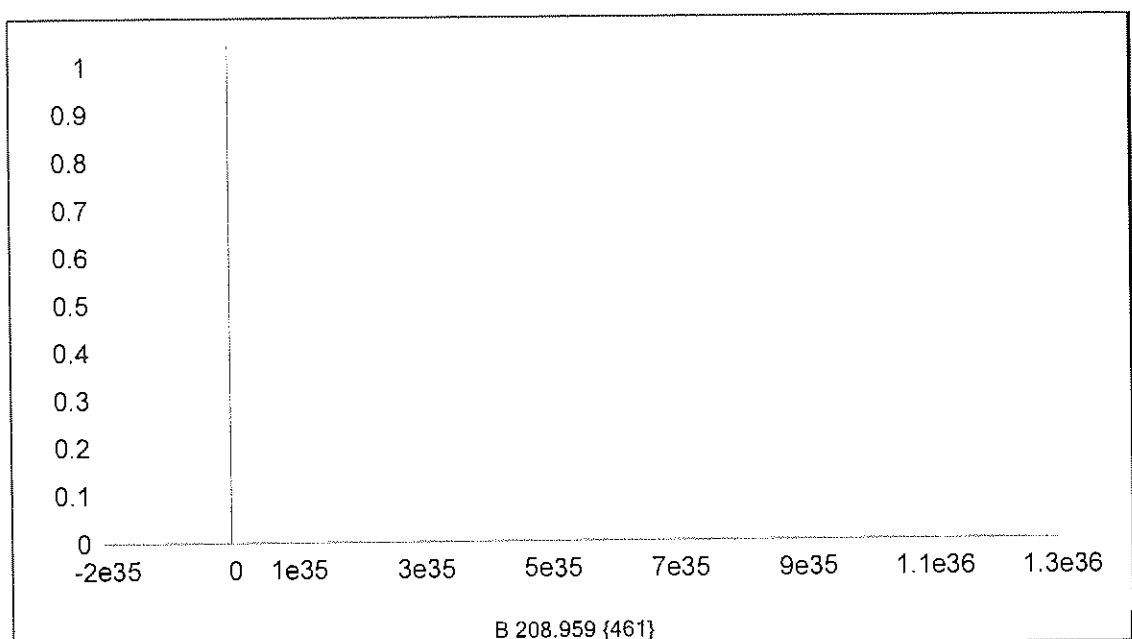
T = Total/NA





AI 396.152 { 85}							
Date of Fit: 1/25/2011 16:21:49		Type of Fit: Linear		Weighting: 1/Conc			
A0 (Offset):		-0.000576		Re-Slope: 1.000000			
A1 (Gain):		0.000049		Y-int: 0.000000			
A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.999982		Status: OK.			
Std Error of Est:		0.000070					
Predicted MDL:		35.099149					
Predicted MQL:		116.997164					
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.01194	-.012	.000	-.00058	.001	1
CalibStd-2	200.00	220.60	20.6	10.3	.01012	.001	1
CalibStd-3	400.00	379.30	-20.7	-5.18	.01778	.001	1
CalibStd-4	800.00	772.94	-27.1	-3.38	.03684	.001	1
CalibStd-5	1600.0	1619.6	19.6	1.23	.07787	.001	1
CalibStd-7	200000.	199910.	-89.0	-.044	9.7926	.050	1
CalibStd-6	3200.0	3297.5	97.5	3.05	.15916	.002	1

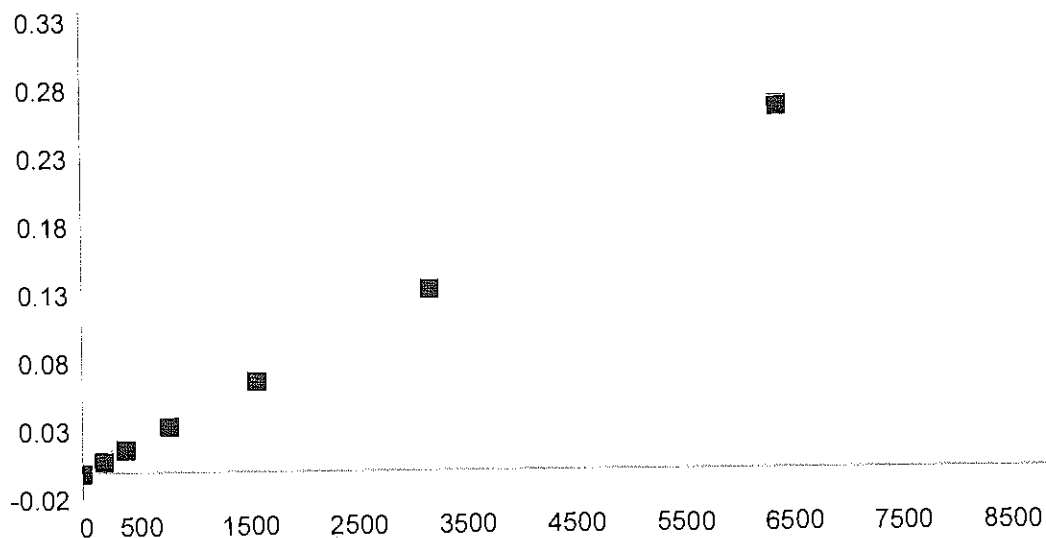




Date of Fit: 3/9/2010 14:26:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000226
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



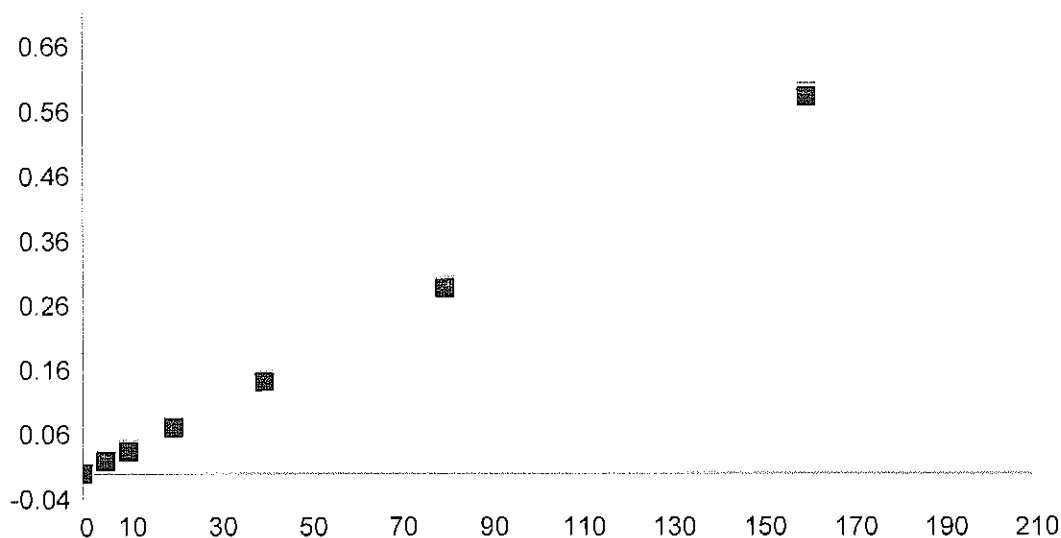
Date of Fit: 1/25/2011 16:21:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000598
 A1 (Gain): 0.000042
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999945
 Std Error of Est: 0.000026
 Predicted MDL: 7.822019
 Predicted MQL: 26.073396

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.01876	-.019	.000	-.00060	.000	1
CalibStd-2	200.00	210.54	10.5	5.27	.00818	.001	1
CalibStd-3	400.00	410.67	10.7	2.67	.01653	.001	1
CalibStd-4	800.00	814.18	14.2	1.77	.03335	.001	1
CalibStd-5	1600.0	1603.8	3.85	.240	.06628	.000	1
CalibStd-6	3200.0	3202.6	2.63	.082	.13295	.001	1
CalibStd-7	6400.0	6358.1	-41.9	-.654	.26454	.001	1



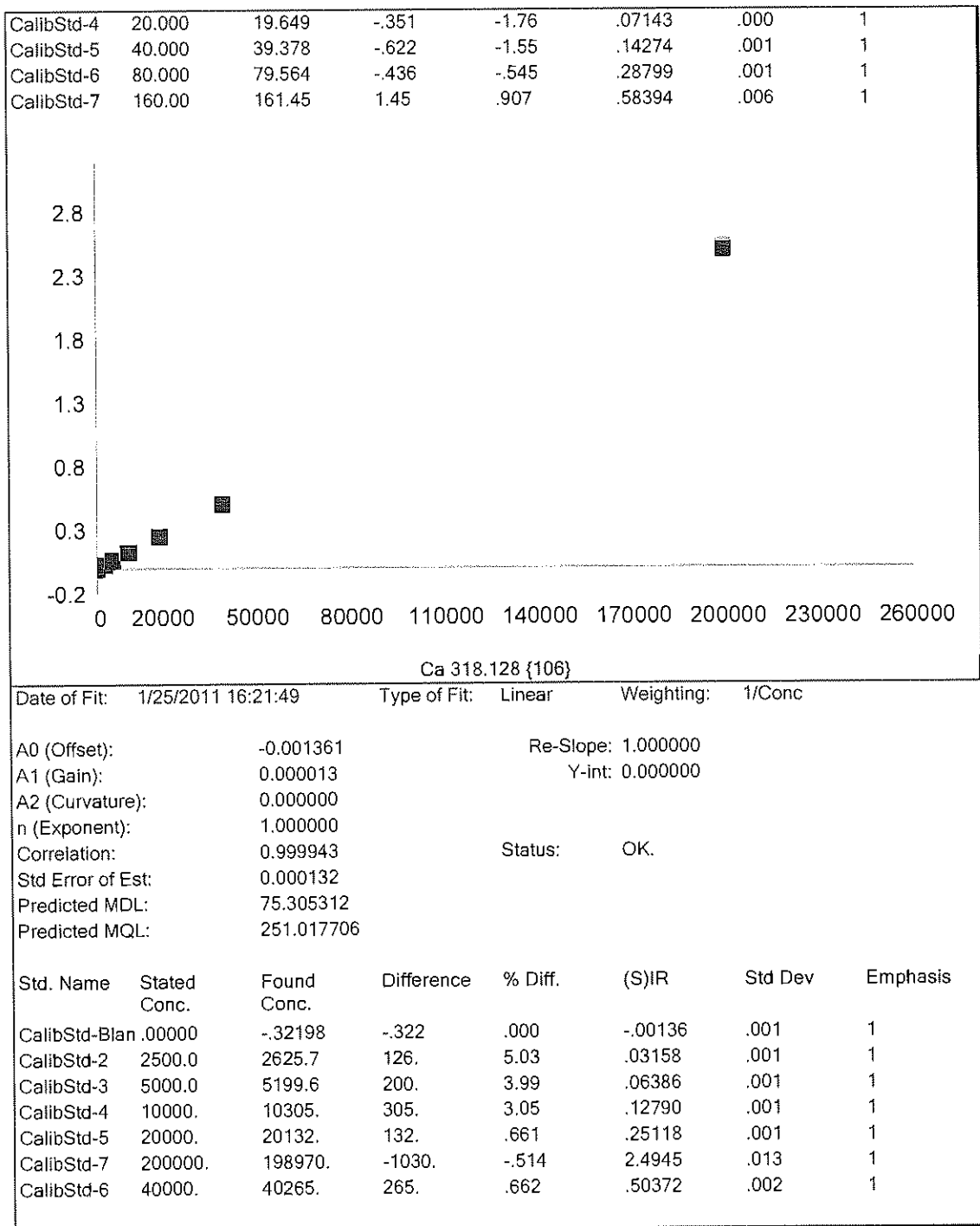
Date of Fit: 1/25/2011 16:21:49 Type of Fit: Linear Weighting: 1/Conc

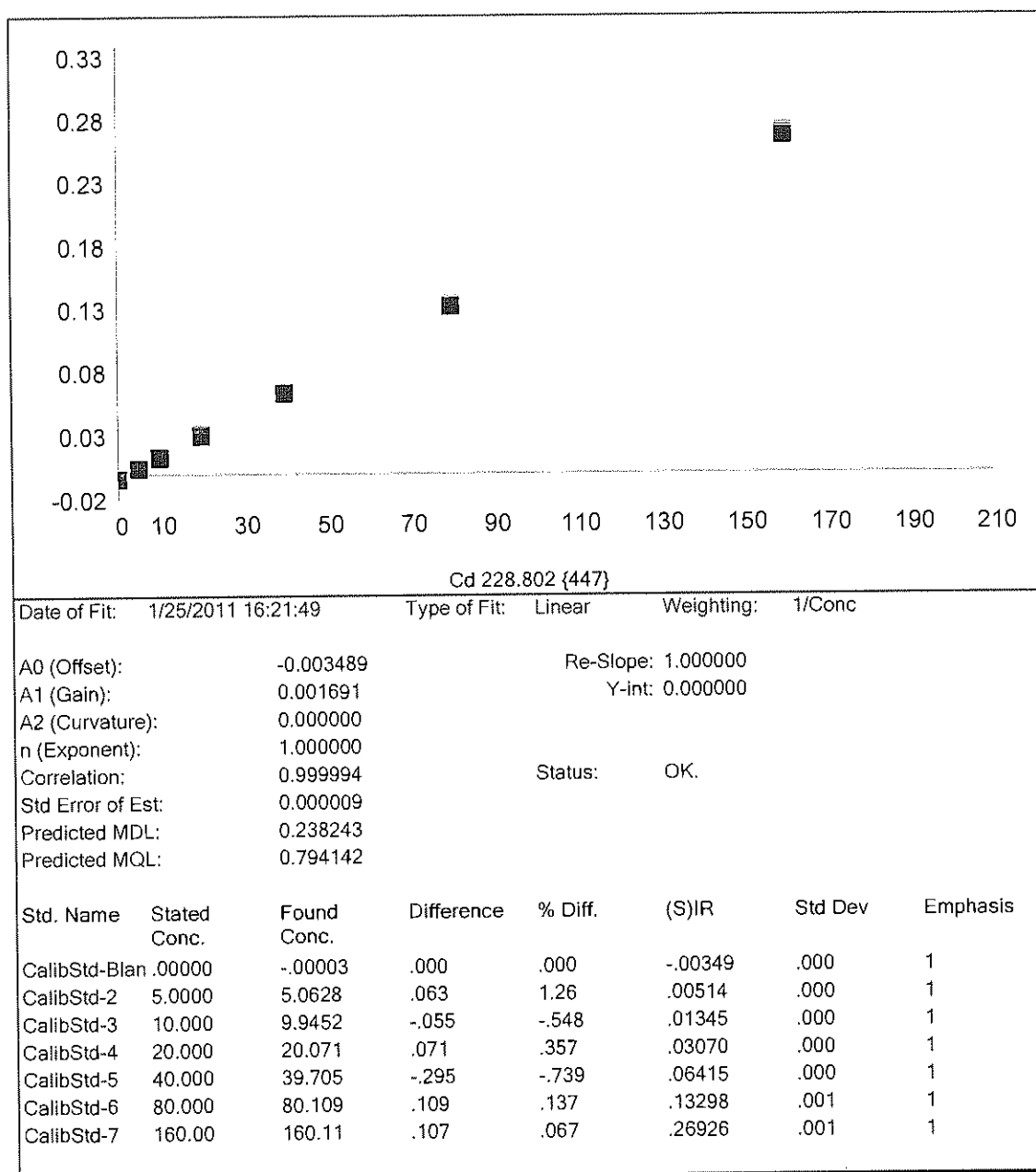
A0 (Offset): 0.000410
 A1 (Gain): 0.003606
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999898
 Std Error of Est: 0.000076
 Predicted MDL: 0.285861
 Predicted MQL: 0.952871

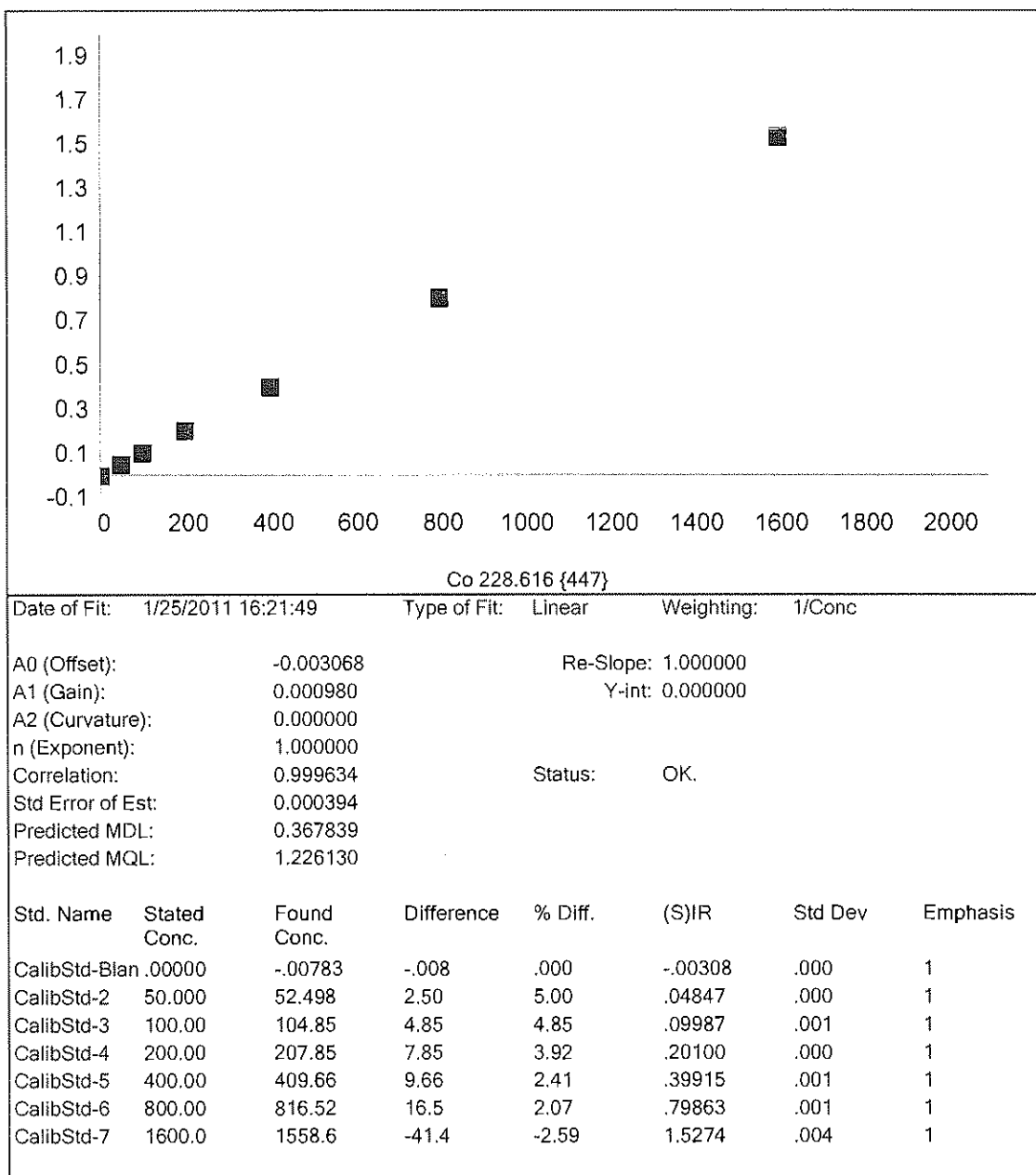
Re-Slope: 1.000000
 Y-int: 0.000000

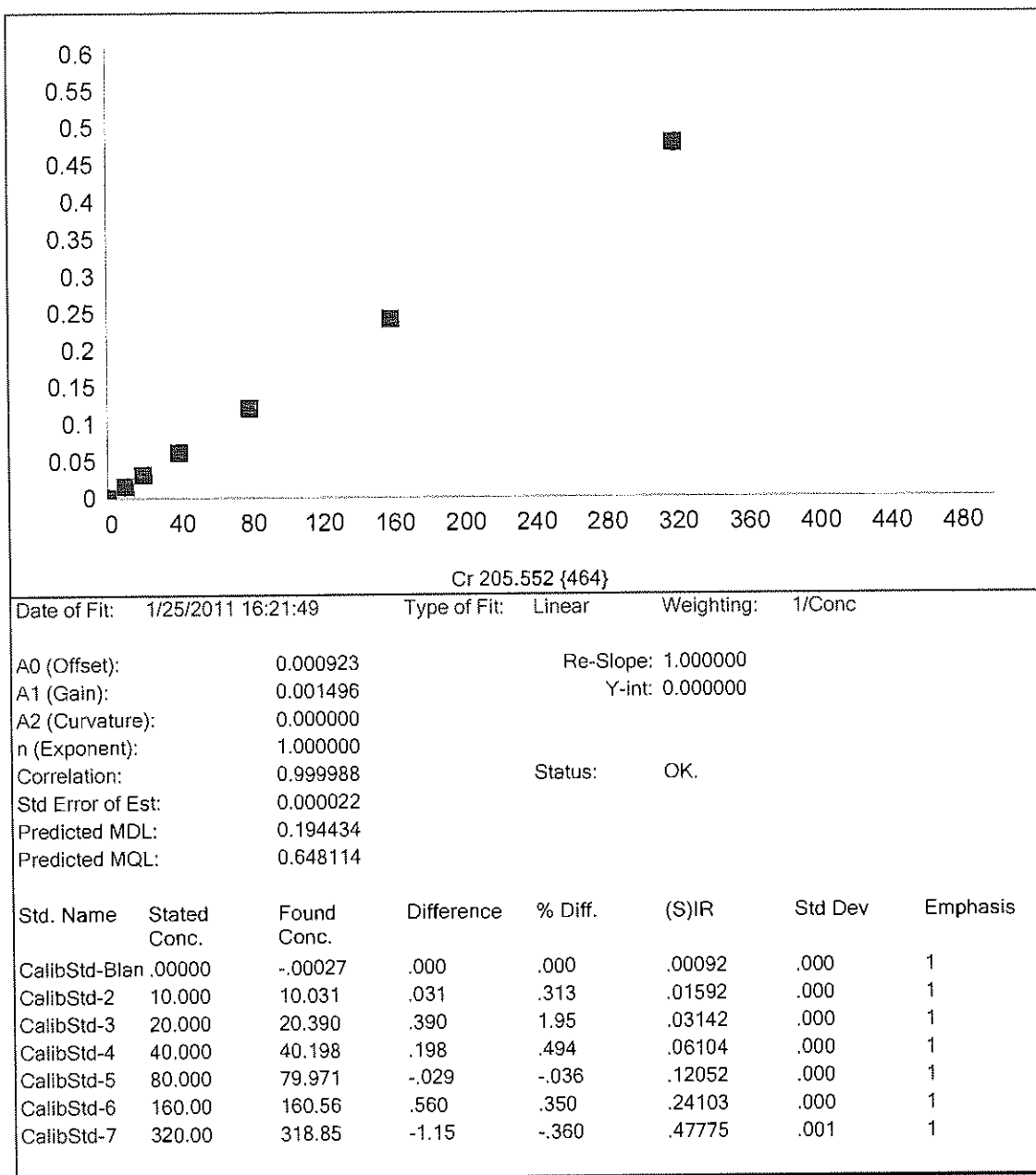
Status: OK.

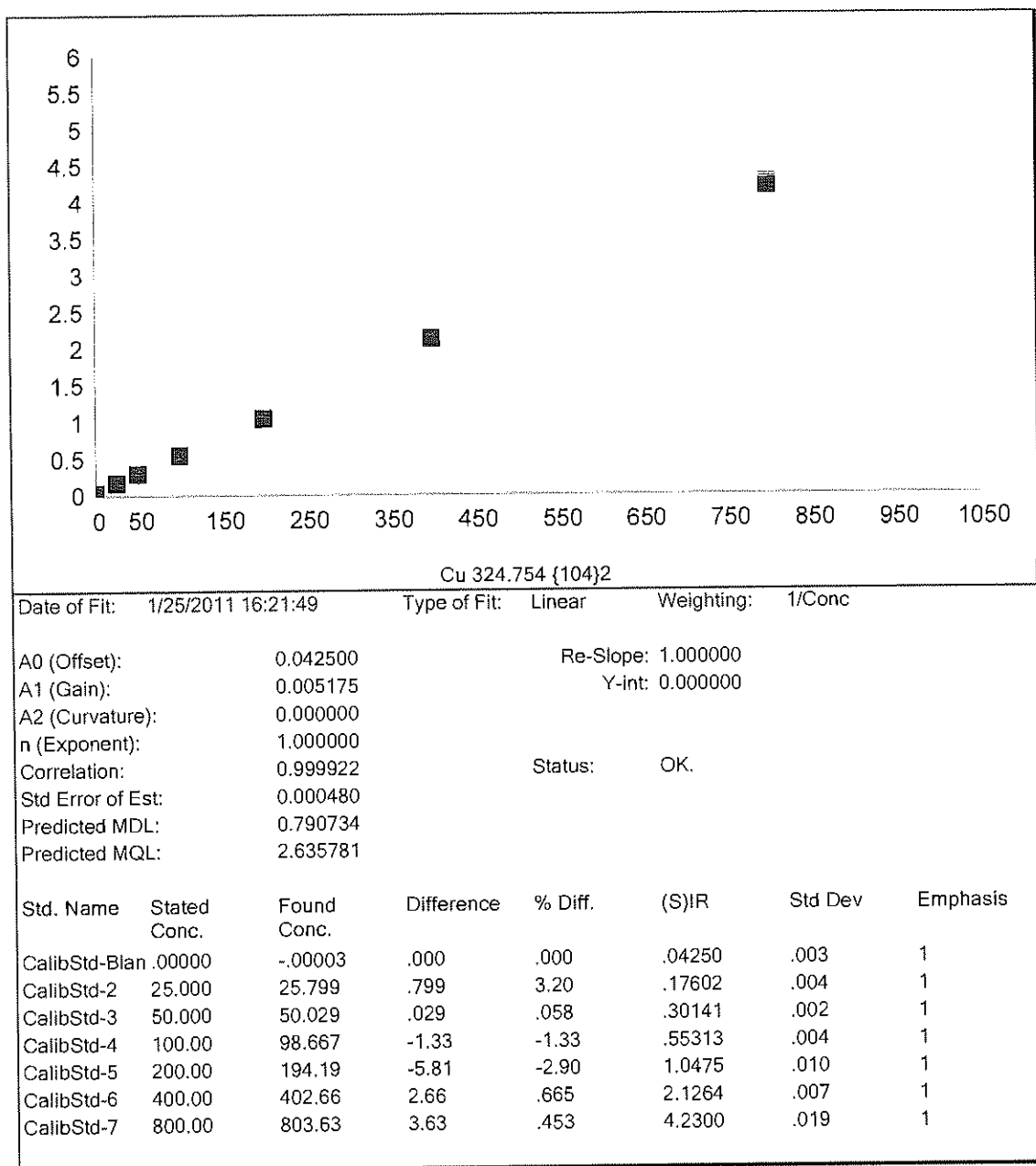
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00001	.000	.000	.00041	.001	1
CalibStd-2	5.0000	5.3163	.316	6.33	.01962	.001	1
CalibStd-3	10.000	9.6418	-.358	-3.58	.03526	.001	1

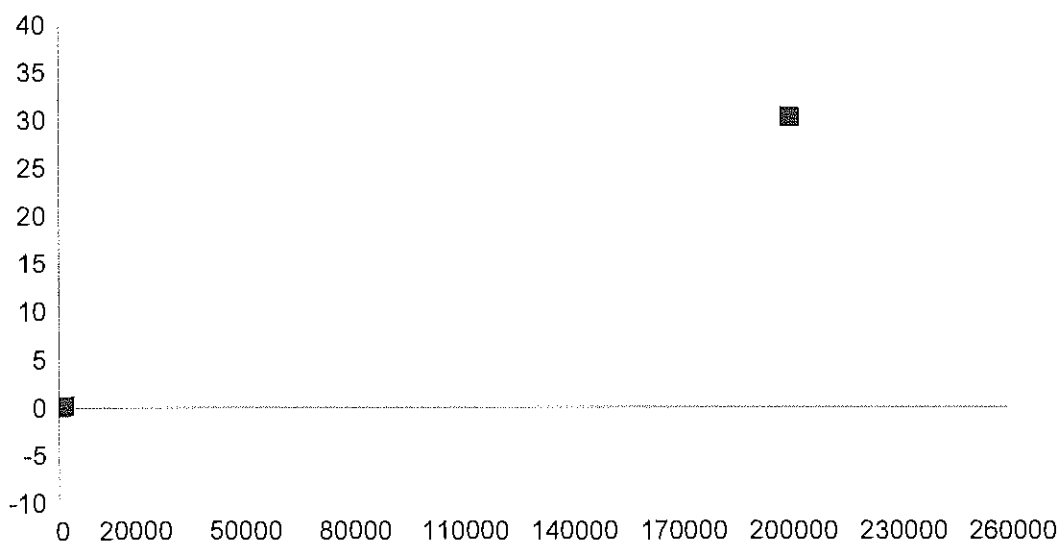










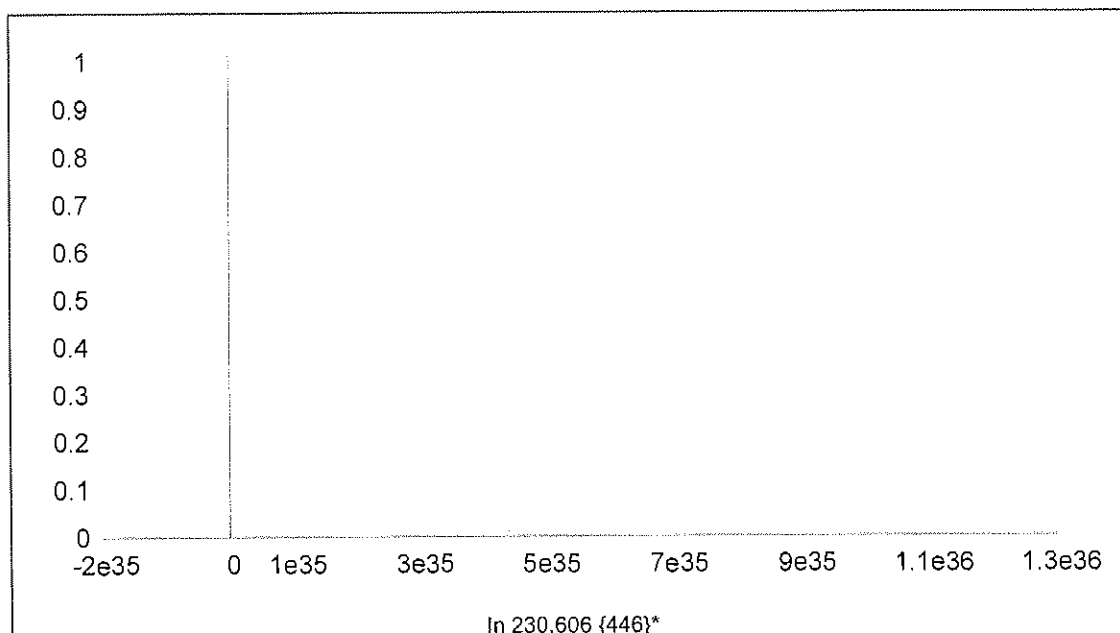


Fe 271.441 {124}2

Date of Fit: 1/25/2011 16:21:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002792 Re-Slope: 1.000000
 A1 (Gain): 0.000151 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999987 Status: OK.
 Std Error of Est: 0.000131
 Predicted MDL: 9.408774
 Predicted MQL: 31.362579

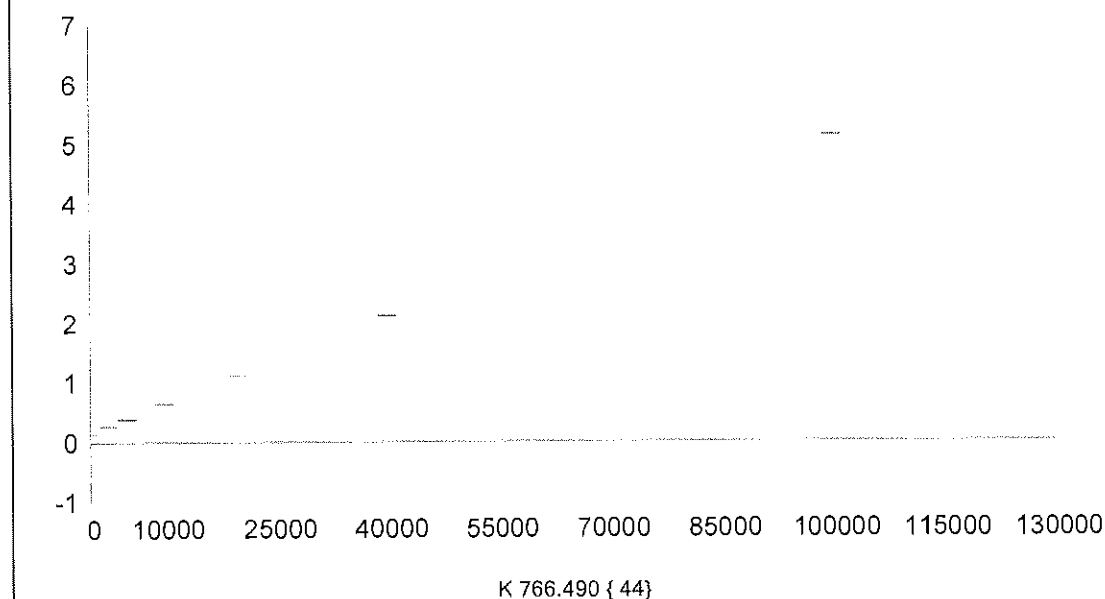
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.02201	-.022	.000	-.00280	.001	1
CalibStd-2	100.00	109.08	9.08	9.08	.01417	.001	1
CalibStd-3	200.00	203.10	3.10	1.55	.02885	.001	1
CalibStd-4	400.00	415.06	15.1	3.76	.06183	.002	1
CalibStd-5	800.00	827.54	27.5	3.44	.12605	.002	1
CalibStd-7	200000.	199870.	-126.	-.063	30.282	.045	1
CalibStd-6	1600.0	1667.8	67.8	4.24	.25683	.002	1



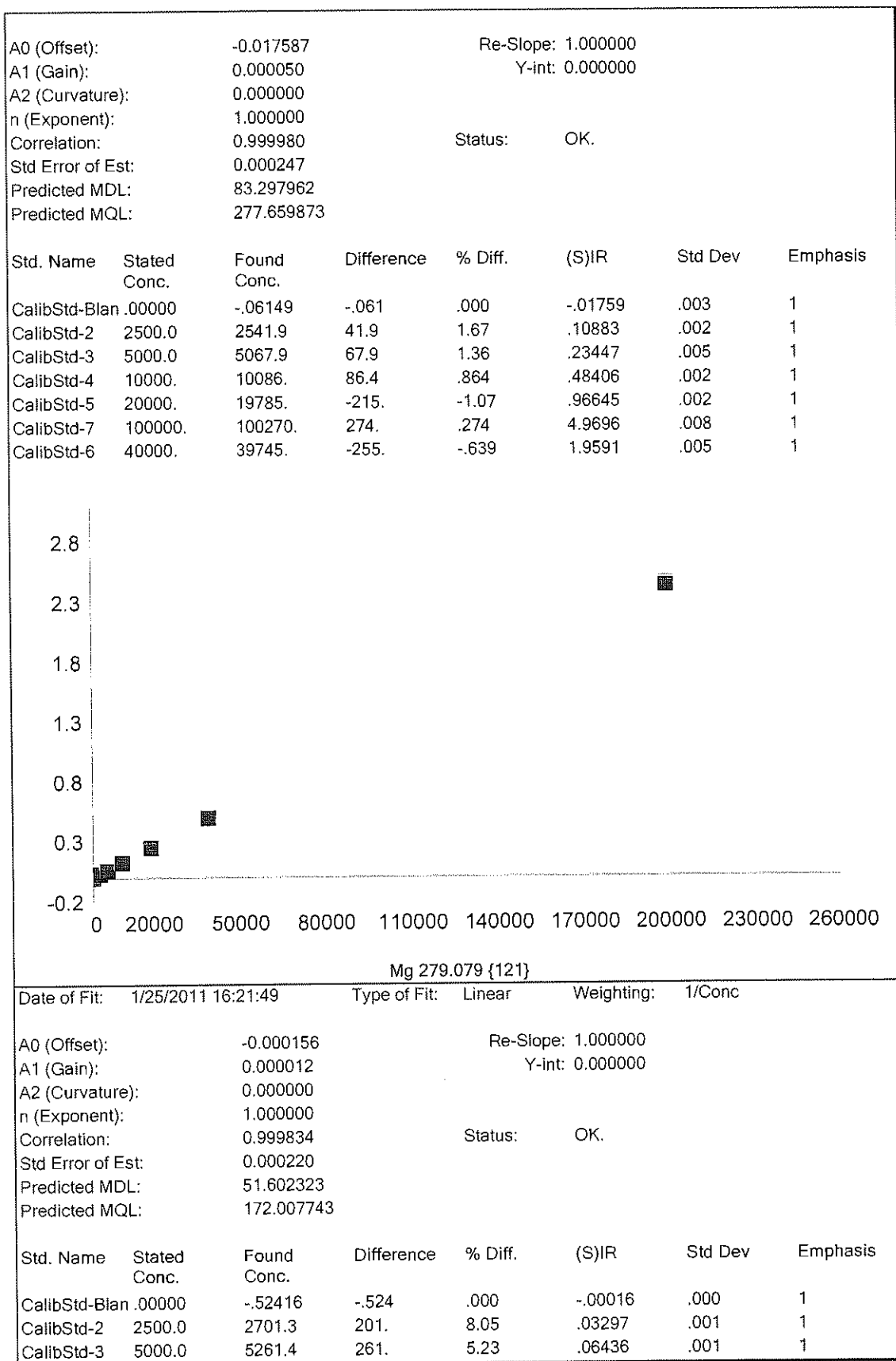
Date of Fit: 1/3/2011 16:25:11 Type of Fit: Linear Weighting: 1/Conc

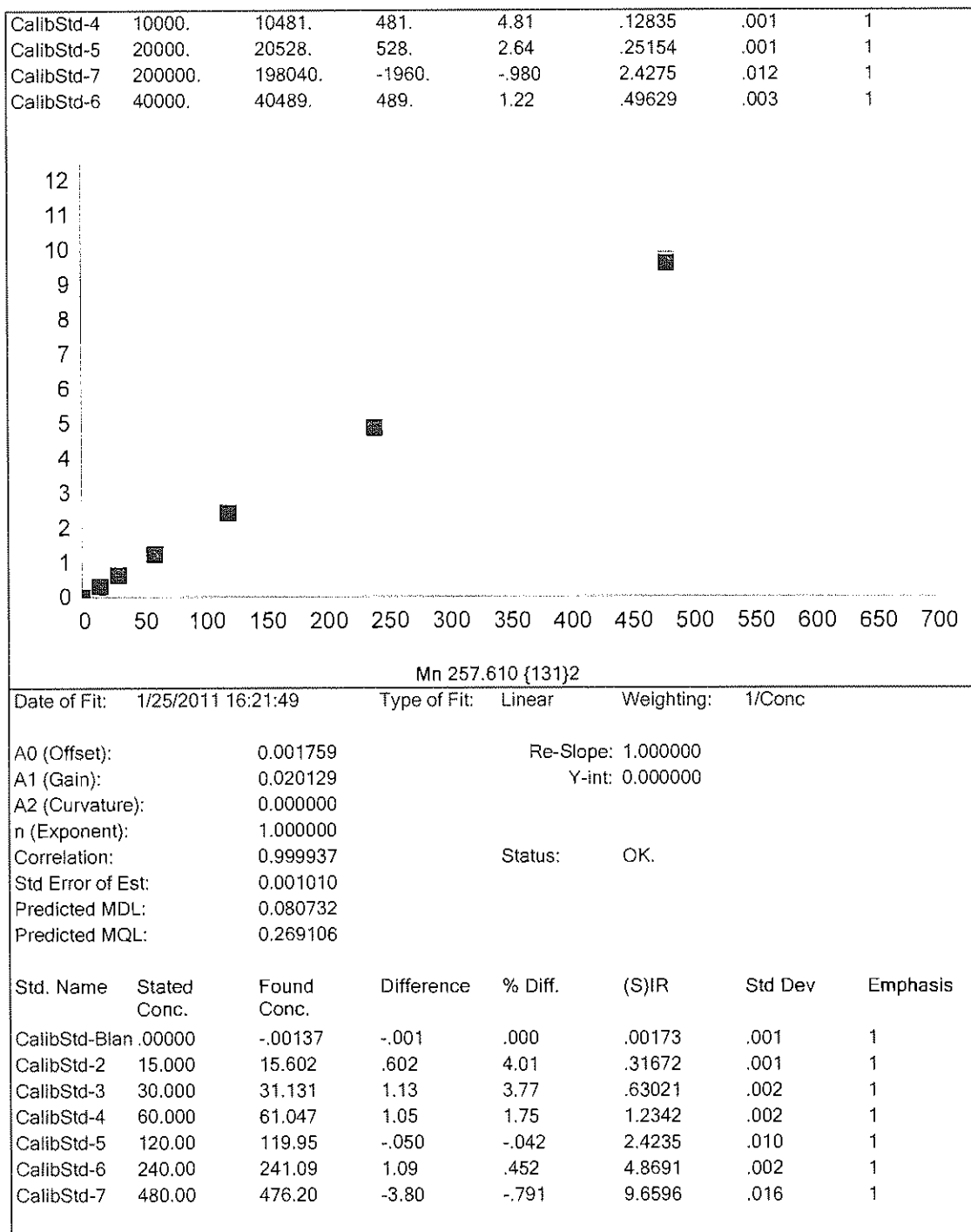
A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

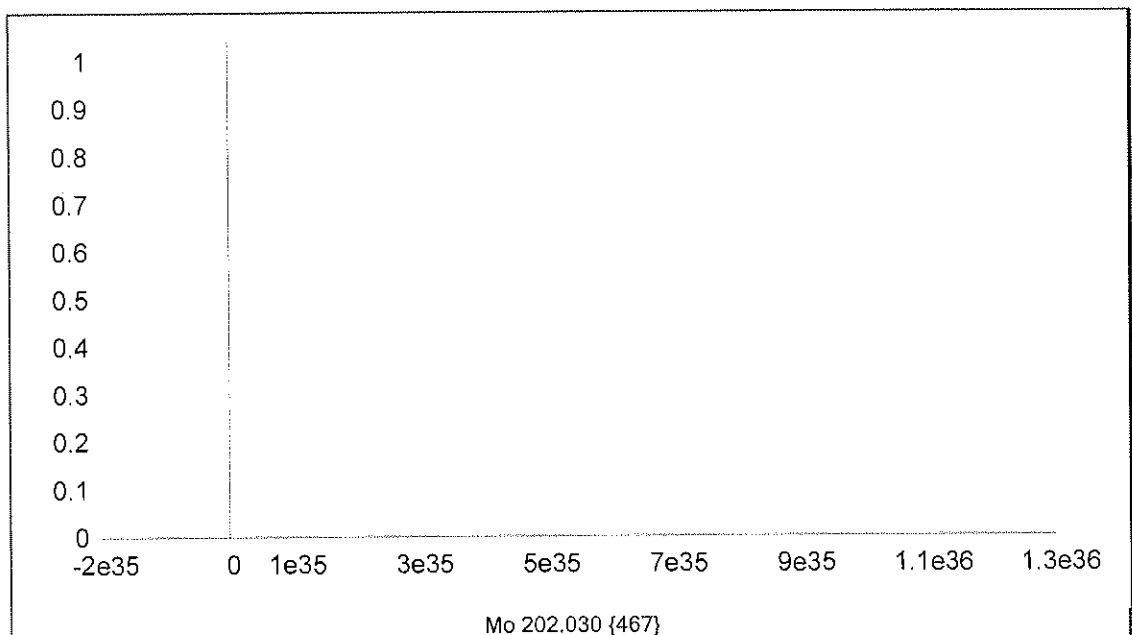
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Date of Fit: 1/25/2011 16:21:49 Type of Fit: Linear Weighting: 1/Conc

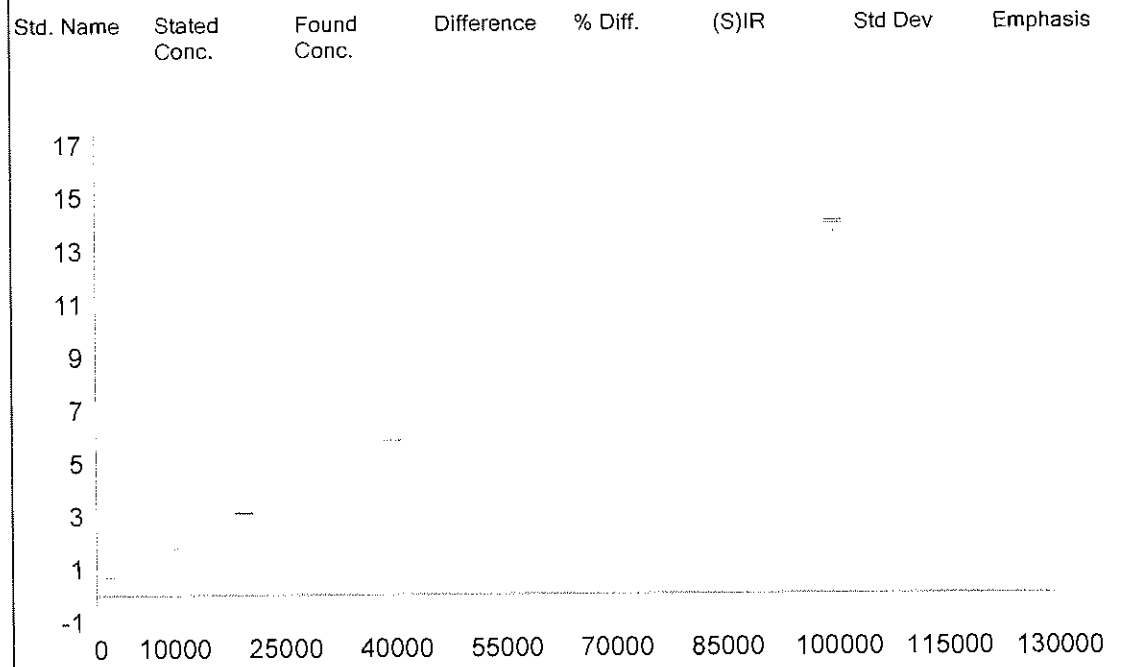






Date of Fit: 3/9/2010 14:30:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000448
 Predicted MDL: n/a
 Predicted MQL: n/a



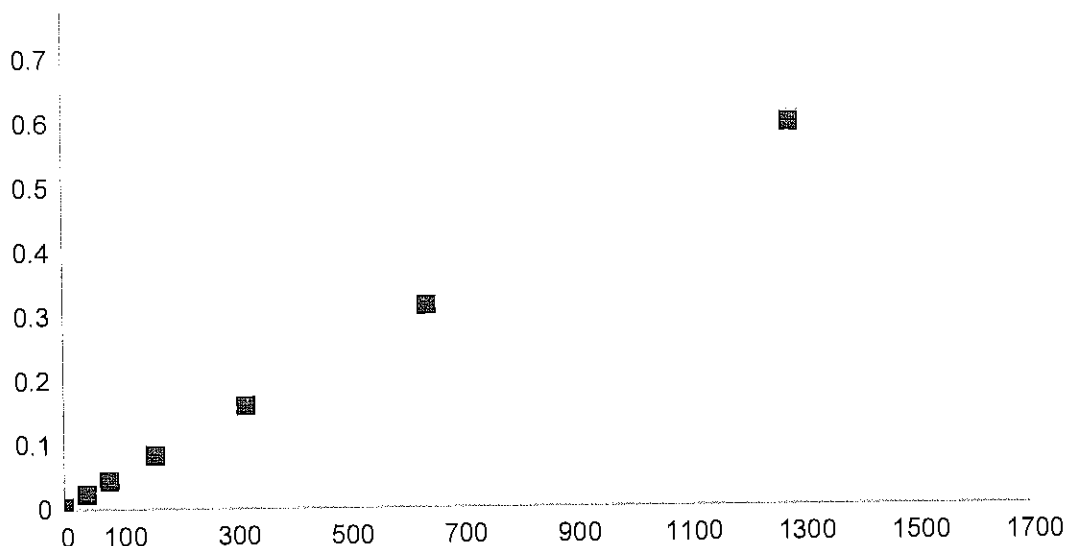
Date of Fit: 1/25/2011 16:21:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.031146
 A1 (Gain): 0.000138
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999934
 Std Error of Est: 0.001246
 Predicted MDL: 27.317179
 Predicted MQL: 91.057264

Re-Slope: 1.000000
 Y-int: 0.000000

Status: OK.

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.25189	-.252	.000	-.03118	.002	1
CalibStd-2	2500.0	2590.4	90.4	3.62	.32510	.003	1
CalibStd-3	5000.0	5184.5	184.	3.69	.68185	.003	1
CalibStd-4	10000.	10280.	280.	2.80	1.3826	.006	1
CalibStd-5	20000.	20168.	168.	.838	2.7424	.012	1
CalibStd-7	100000.	99373.	-627.	-.627	13.635	.053	1
CalibStd-6	40000.	39904.	-95.7	-.239	5.4567	.020	1



Ni 231.604 {445}

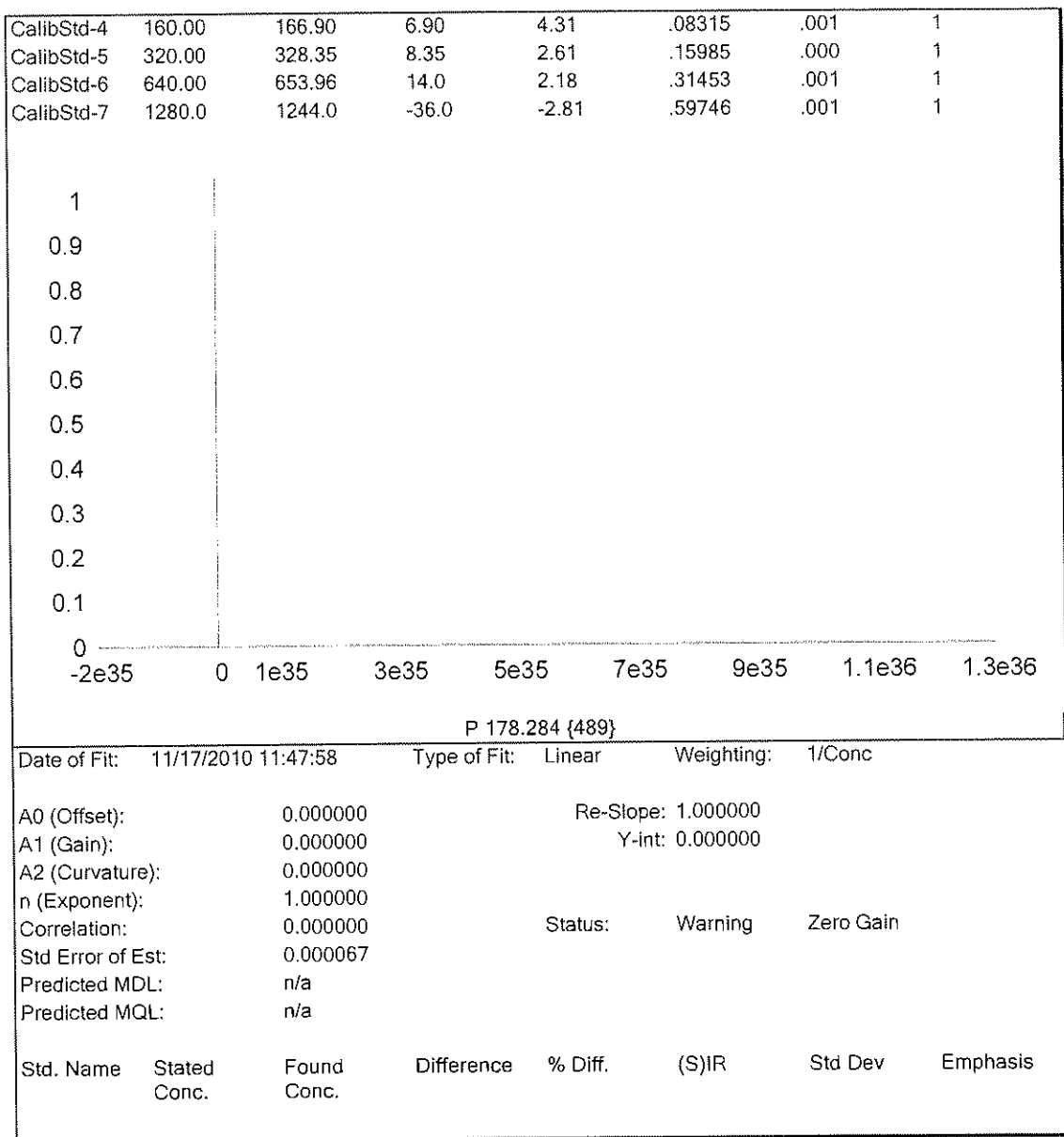
Date of Fit: 1/25/2011 16:21:49 Type of Fit: Linear Weighting: 1/Conc

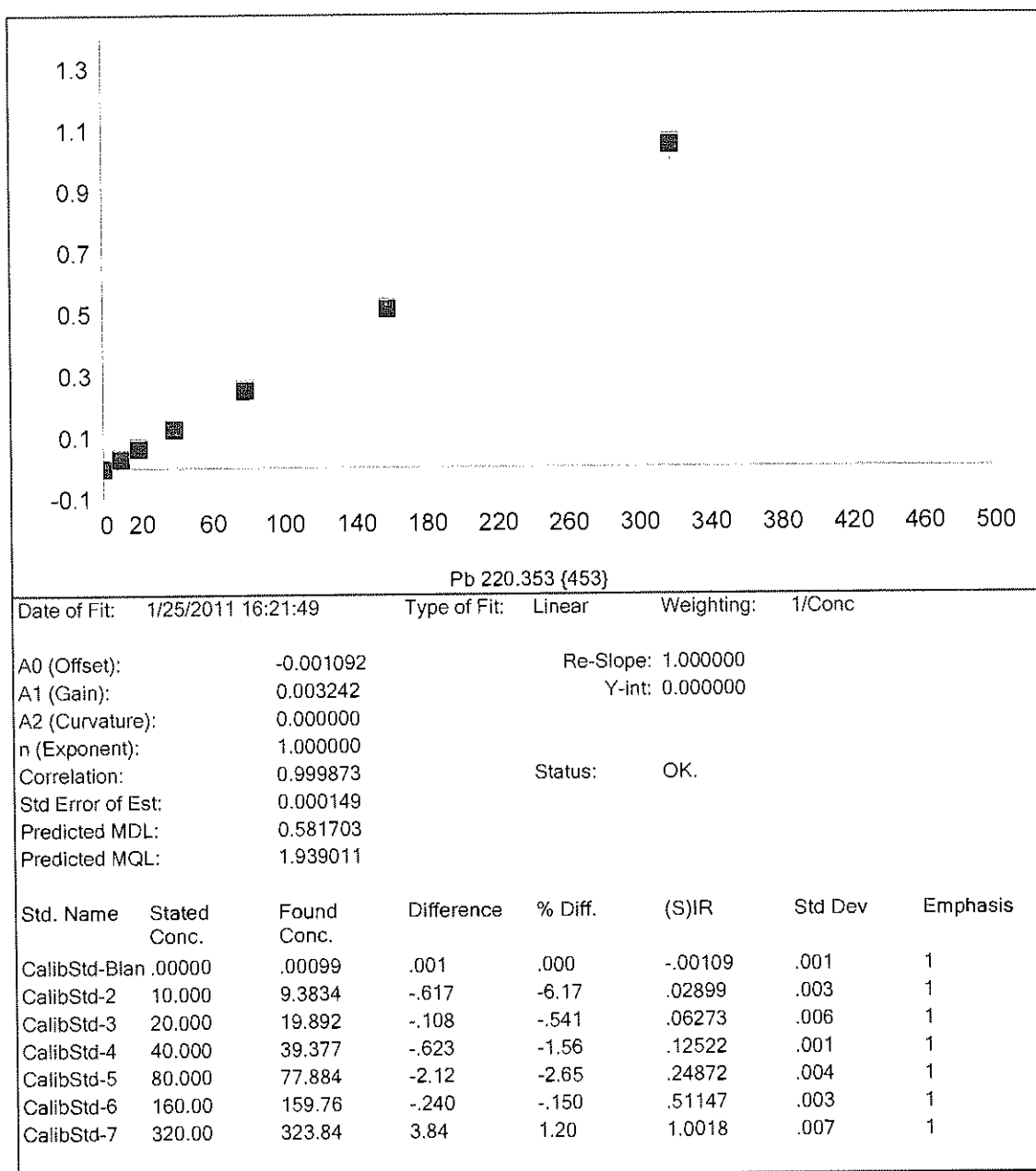
A0 (Offset): 0.003860
 A1 (Gain): 0.000475
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999558
 Std Error of Est: 0.000168
 Predicted MDL: 0.858887
 Predicted MQL: 2.862956

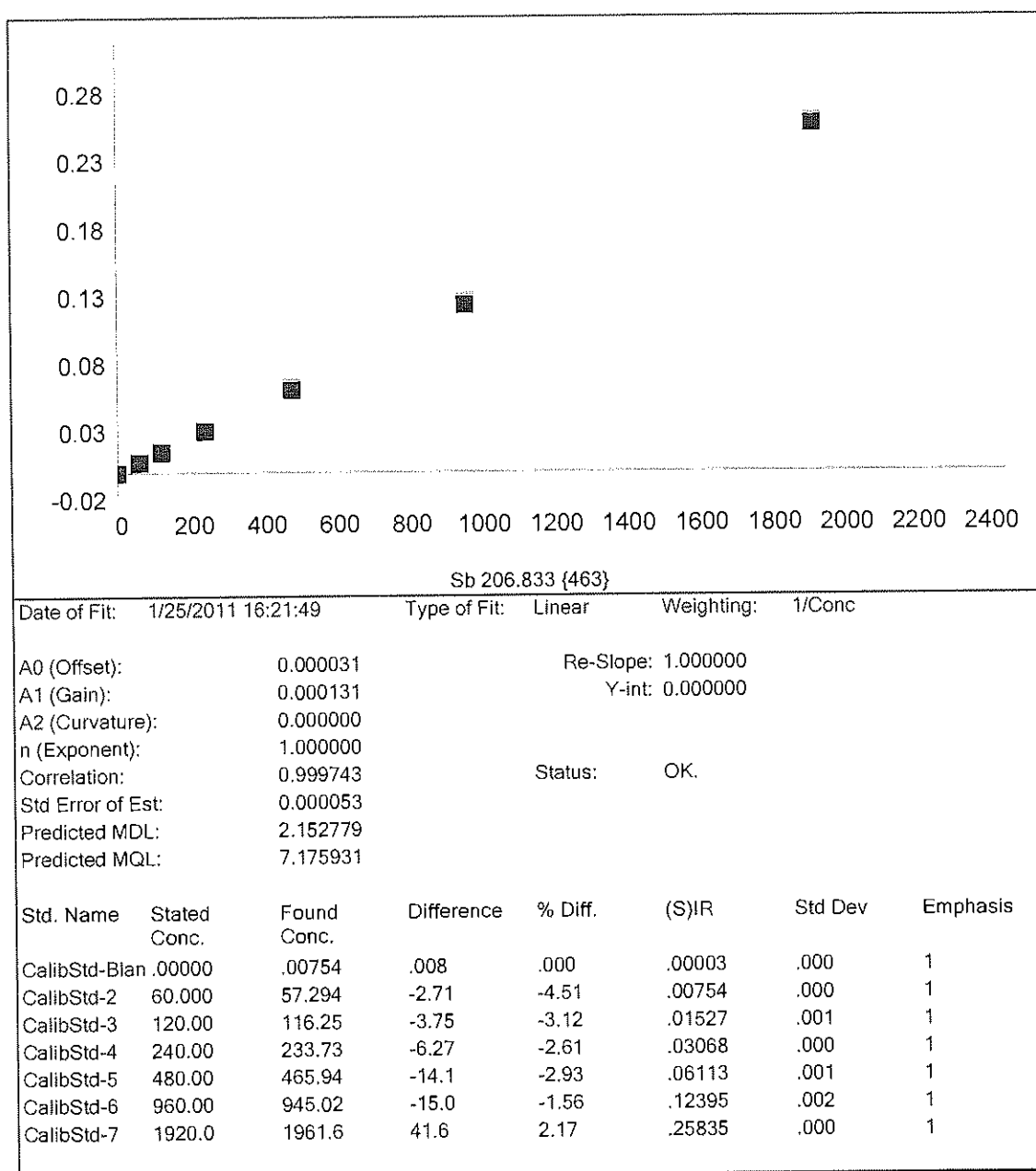
Re-Slope: 1.000000
 Y-int: 0.000000

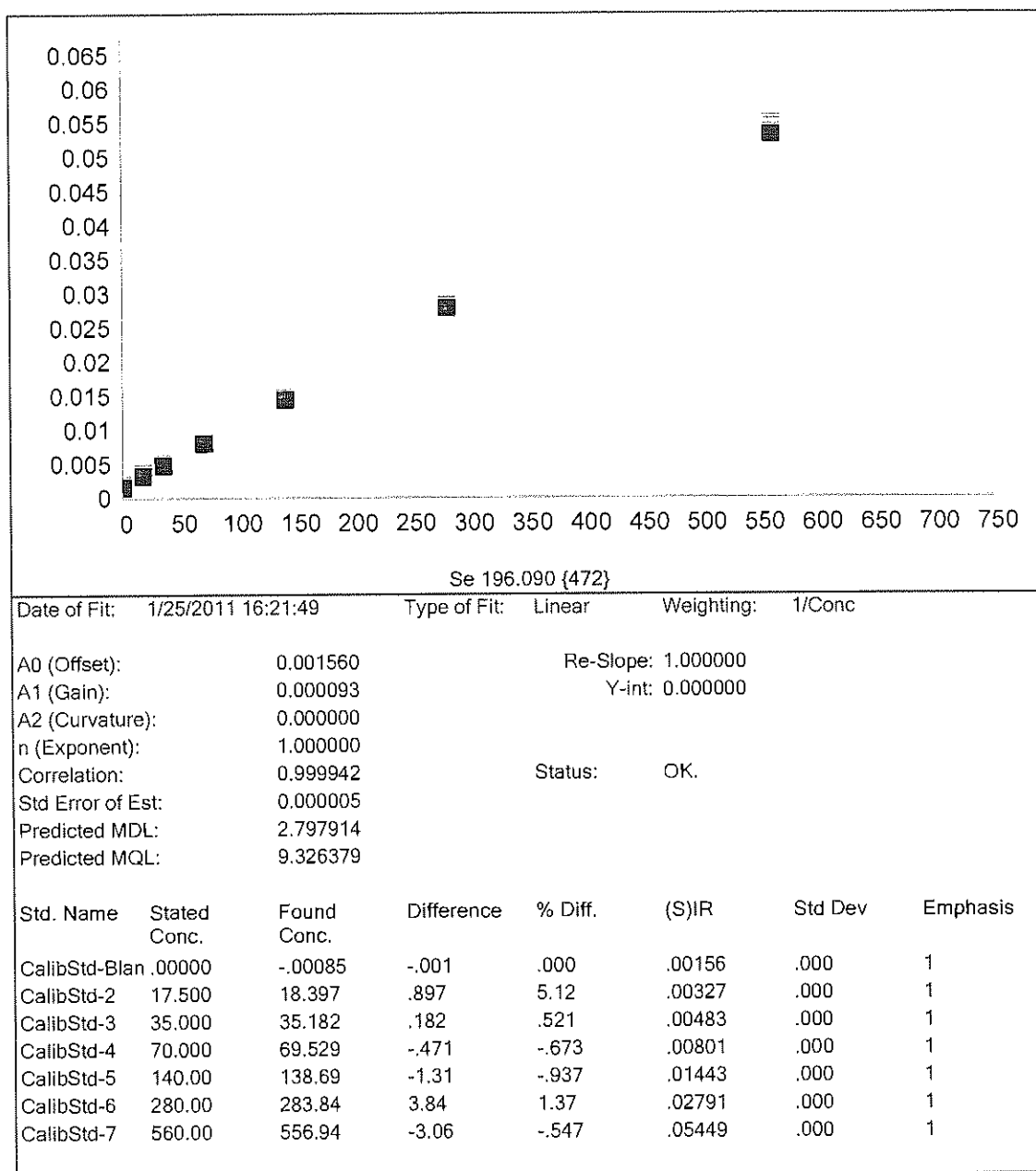
Status: OK.

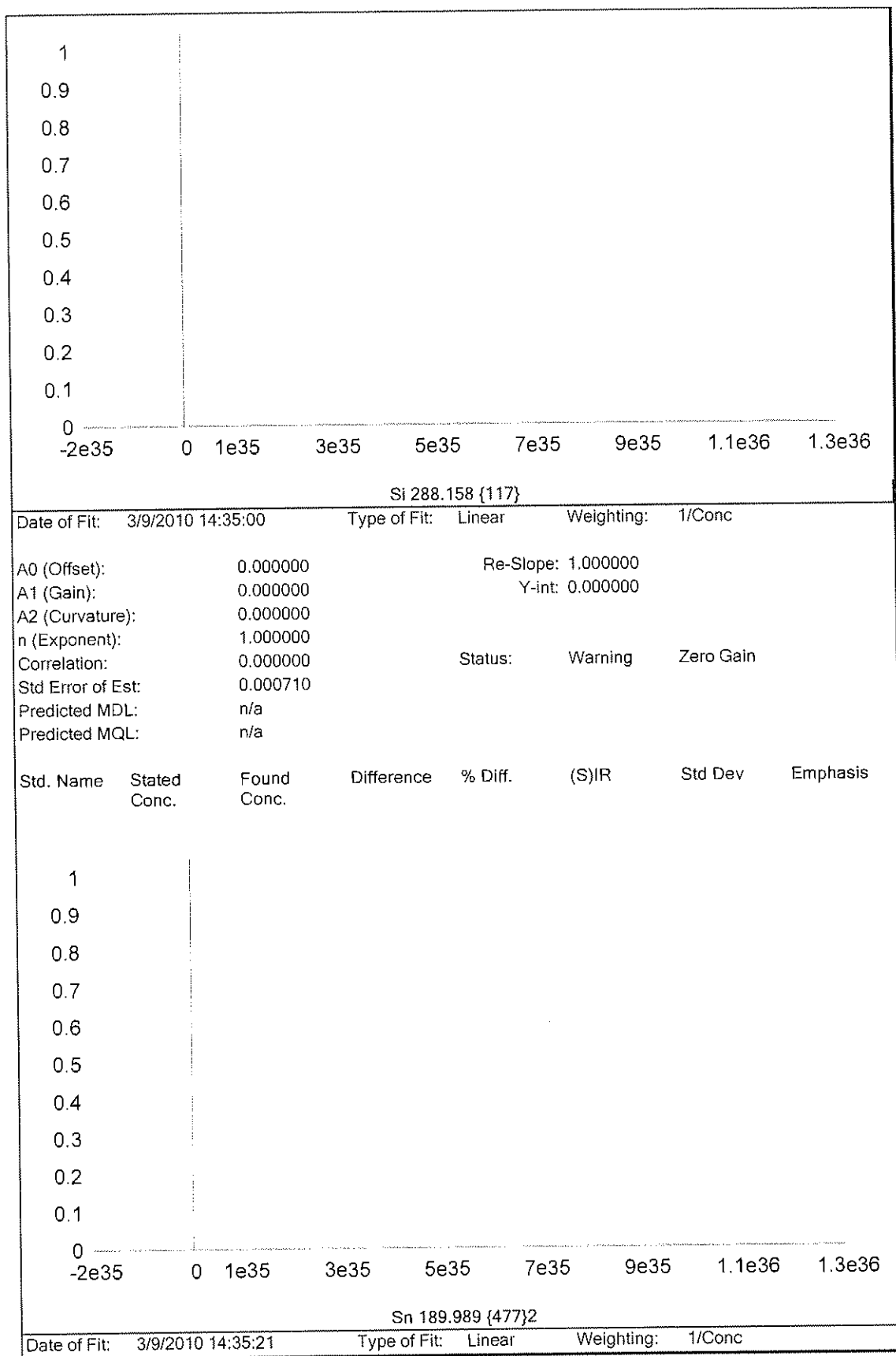
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00704	-.007	.000	.00386	.000	1
CalibStd-2	40.000	42.099	2.10	5.25	.02386	.000	1
CalibStd-3	80.000	84.848	4.85	6.06	.04417	.000	1

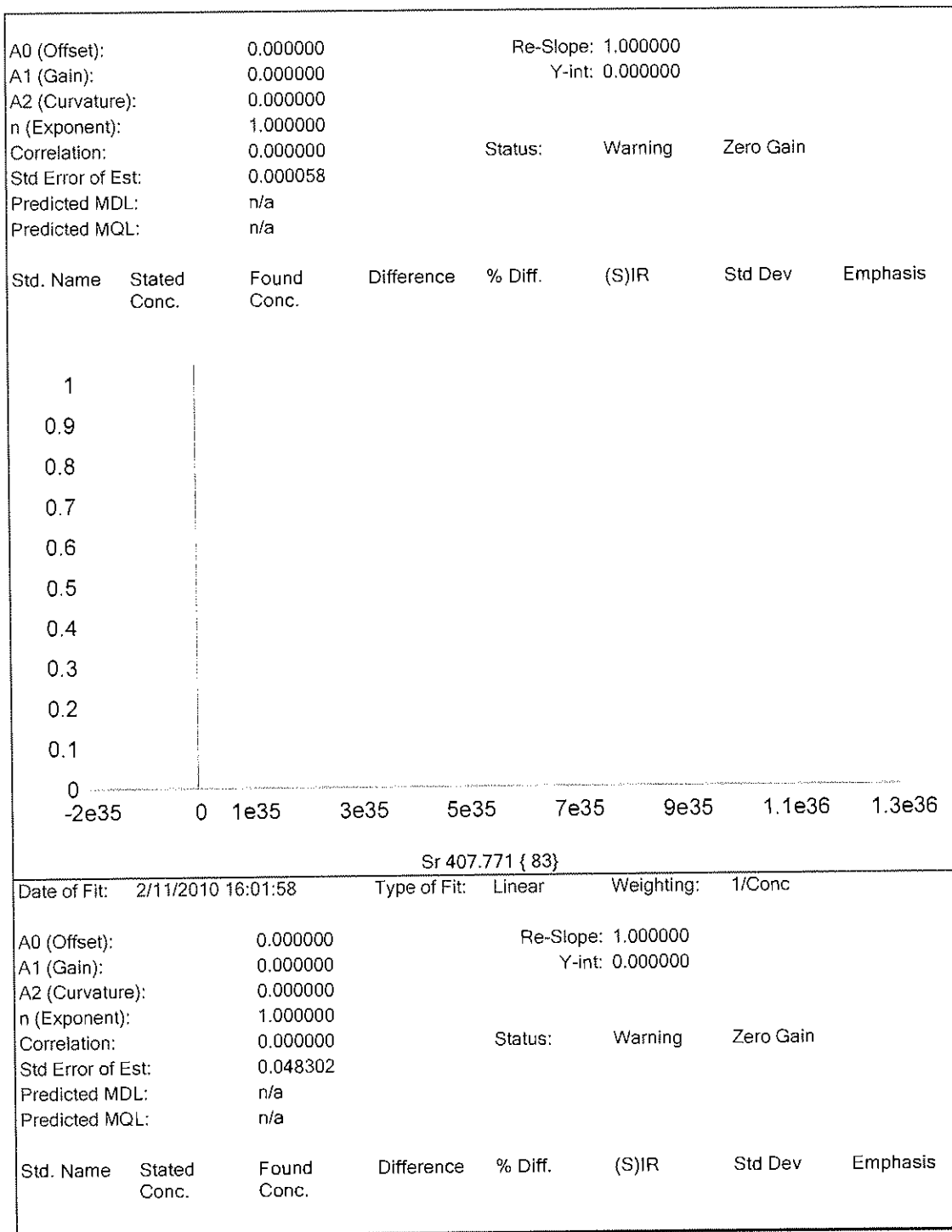


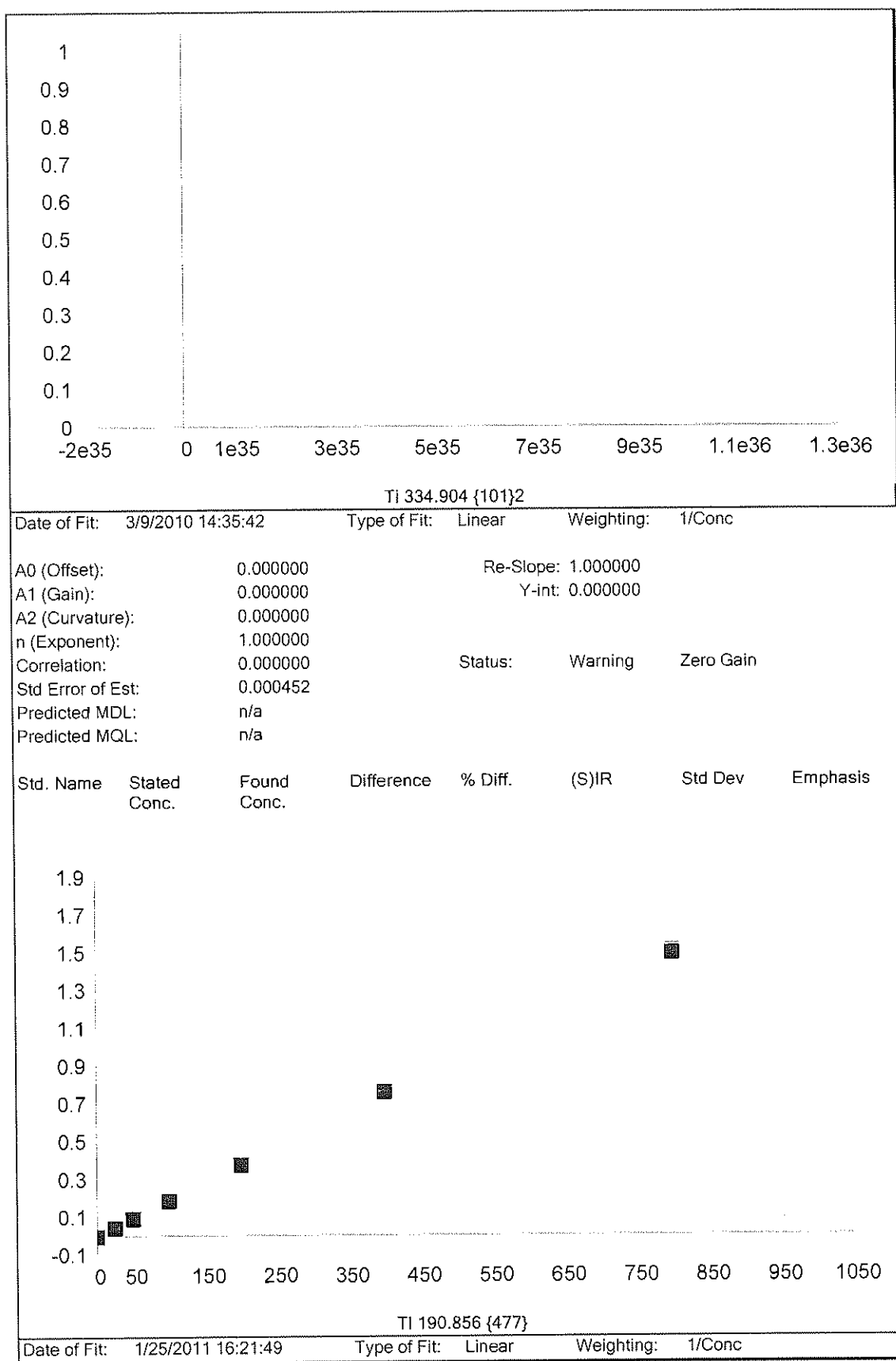






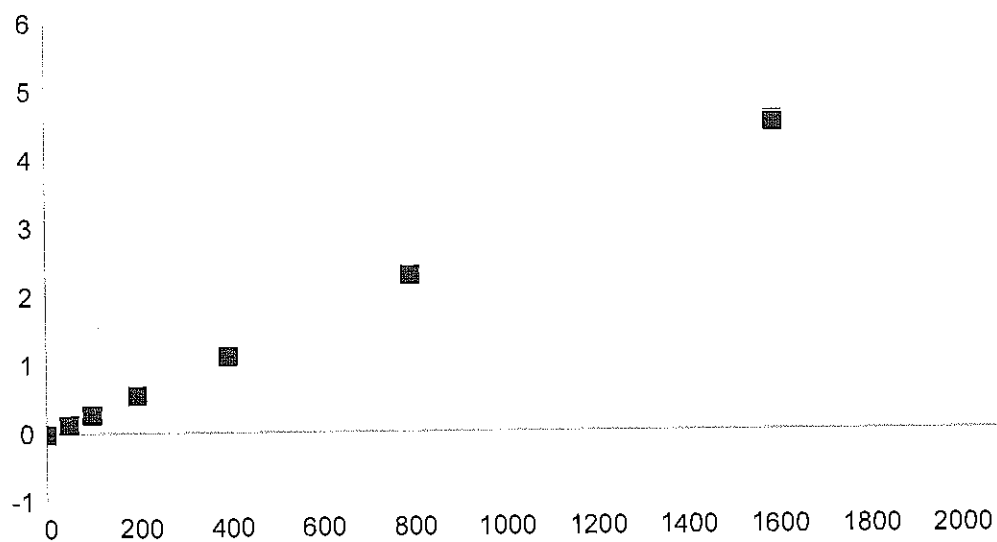






A0 (Offset): -0.004147 Re-Slope: 1.000000
 A1 (Gain): 0.001885 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999955 Status: OK.
 Std Error of Est: 0.000131
 Predicted MDL: 0.540751
 Predicted MQL: 1.802502

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	-.00076	-.001	.000	-.00415	.001	1
CalibStd-2	25.000	25.157	.157	.628	.04272	.003	1
CalibStd-3	50.000	50.462	.462	.923	.08987	.001	1
CalibStd-4	100.00	100.61	.610	.610	.18330	.002	1
CalibStd-5	200.00	201.21	1.21	.606	.37074	.002	1
CalibStd-6	400.00	404.76	4.76	1.19	.75003	.002	1
CalibStd-7	800.00	792.80	-7.20	-.900	1.4727	.010	1

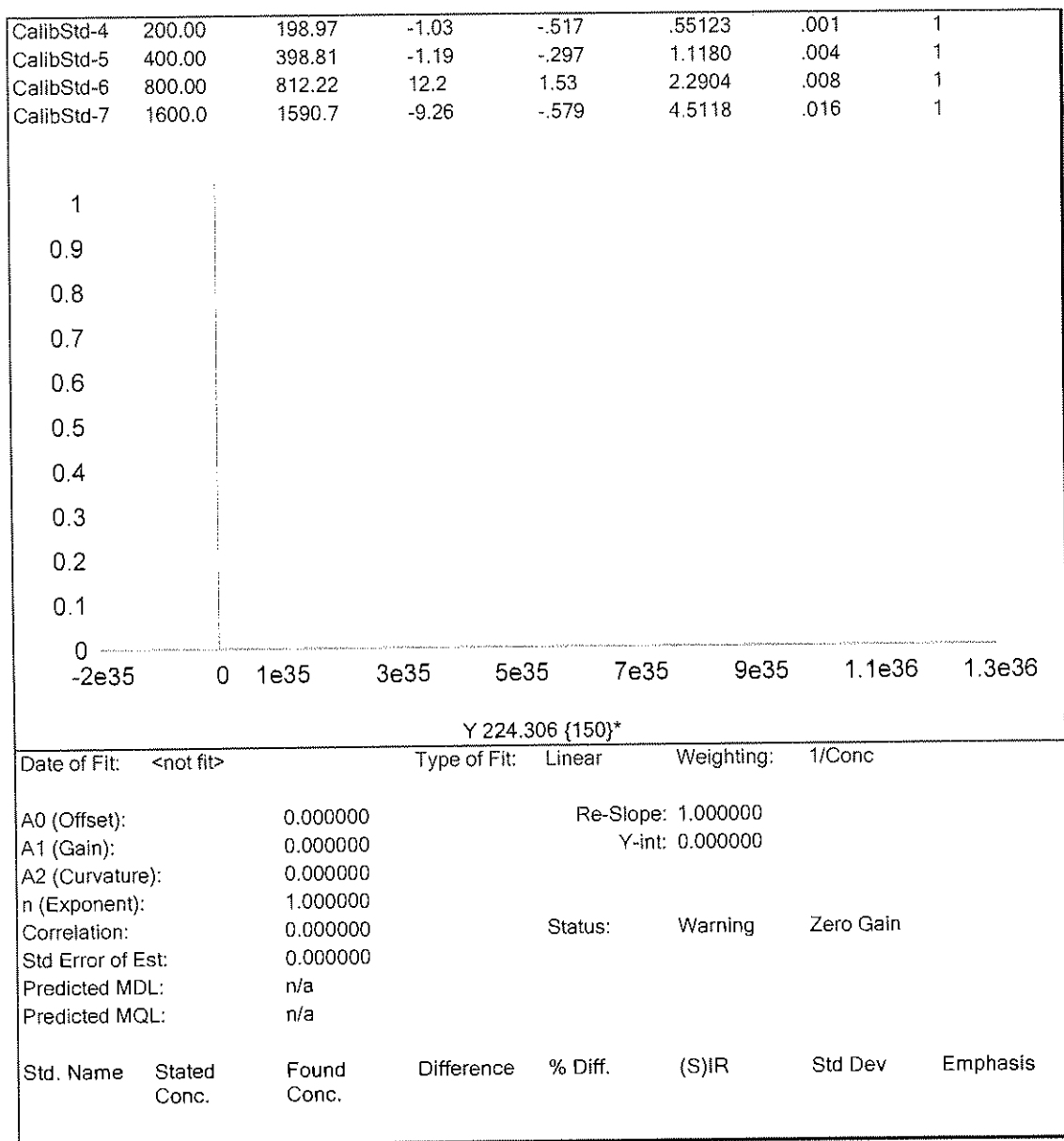


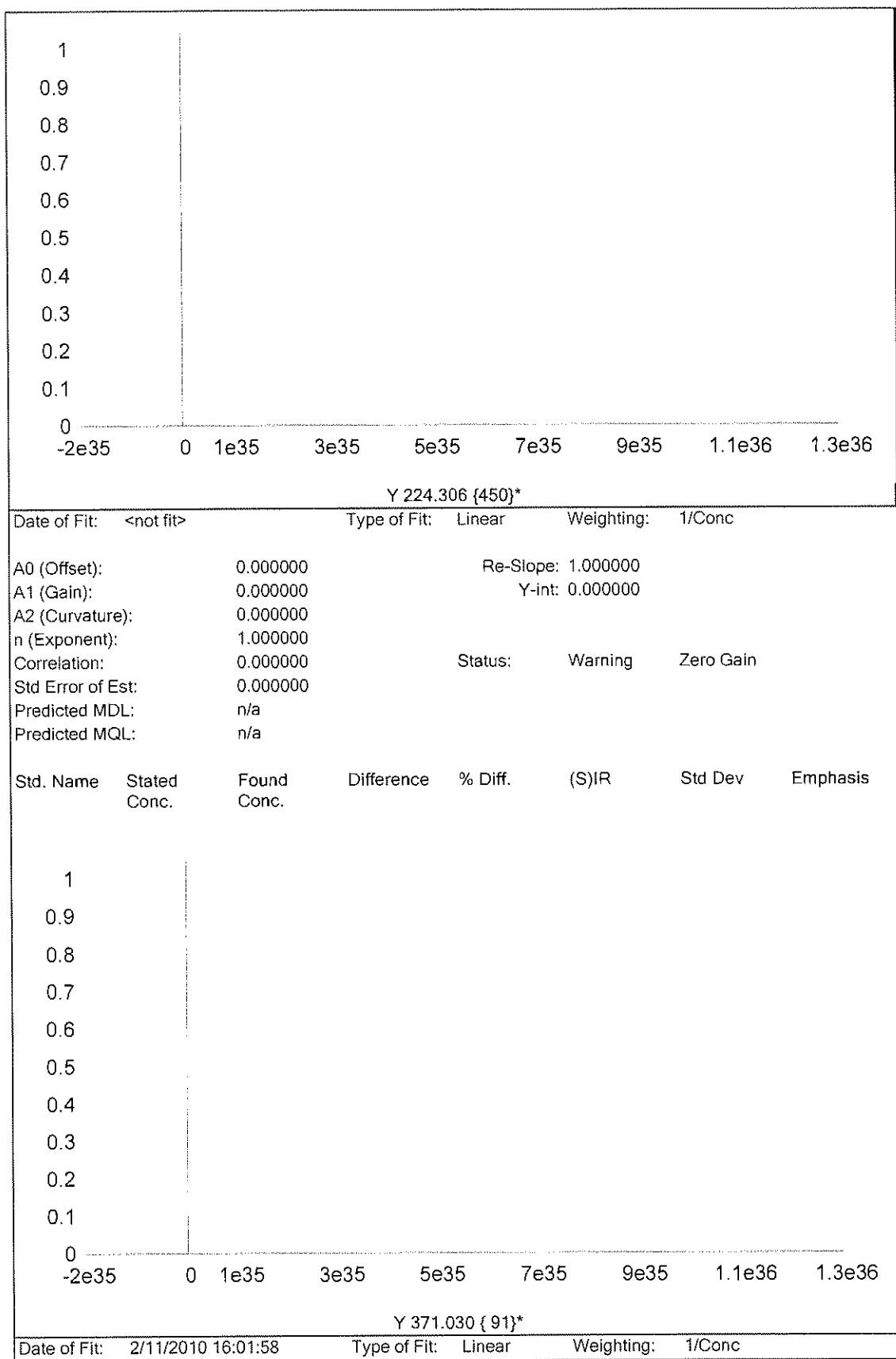
V 292.402 {115}2

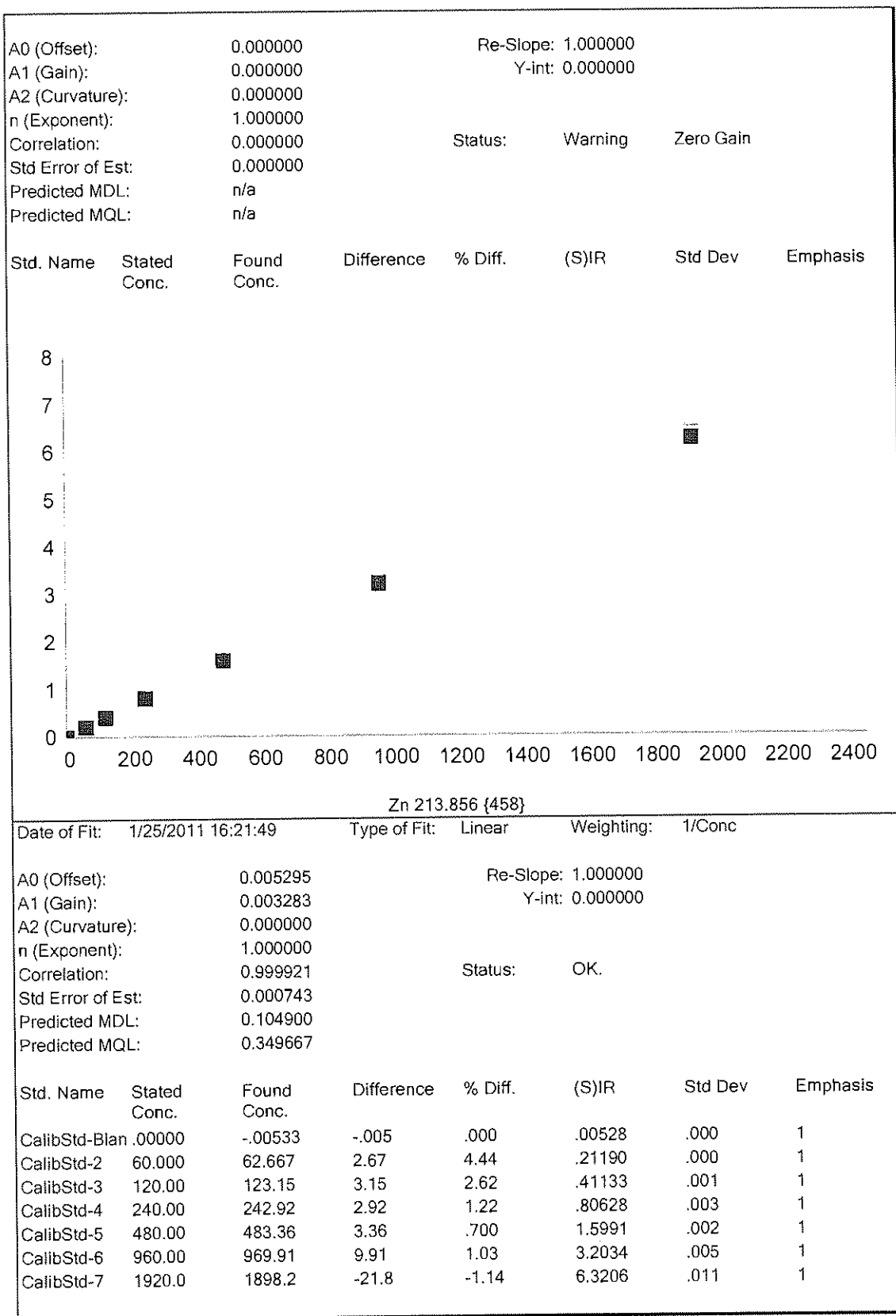
Date of Fit: 1/25/2011 16:21:49 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.013046 Re-Slope: 1.000000
 A1 (Gain): 0.002836 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999960 Status: OK.
 Std Error of Est: 0.000377
 Predicted MDL: 0.697225
 Predicted MQL: 2.324084

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd-Blan	.00000	.00045	.000	.000	-.01304	.001	1
CalibStd-2	50.000	49.665	-.335	-.670	.12781	.001	1
CalibStd-3	100.00	99.625	-.375	-.375	.26950	.001	1







Sample Name: CalibStd-Blank Acquired: 1/25/2011 15:47:35 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S0

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0090	-0.0006	.0007	-0.0006	.0004
Stddev	.0031	.0007	.0002	.0002	.0009
%RSD	34.80	113.2	29.06	29.06	230.2

#1	-0.0055	-0.0013	.0006	-0.0008	-0.0007
#2	-0.0101	-0.0002	.0009	-0.0005	.0011
#3	-0.0116	-0.0002	.0005	-0.0005	.0008

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0014	-0.0035	-0.0031	.0009	.0425
Stddev	.0006	.0002	.0002	.0002	.0033
%RSD	41.53	5.802	6.010	26.13	7.702

#1	-0.0015	-0.0034	-0.0032	.0012	.0387
#2	-0.0007	-0.0037	-0.0031	.0008	.0443
#3	-0.0018	-0.0034	-0.0029	.0008	.0445

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0028	-0.0176	-0.0002	.0017	-0.0312
Stddev	.0012	.0028	.0004	.0011	.0024
%RSD	43.75	15.95	249.9	63.48	7.548

#1	-0.0014	-0.0175	-0.0006	.0009	-0.0329
#2	-0.0036	-0.0148	.0000	.0014	-0.0321
#3	-0.0034	-0.0204	.0002	.0030	-0.0285

Sample Name: CalibStd-Blank Acquired: 1/25/2011 15:47:35 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S0

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0039	-0.0011	.0000	.0016	-0.0041
Stddev	.0003	.0014	.0001	.0003	.0009
%RSD	6.823	131.1	263.4	16.95	20.87

#1	.0038	-0.0003	.0001	.0017	-0.0042
#2	.0036	-0.0027	-0.0001	.0013	-0.0050
#3	.0042	-0.0002	.0000	.0018	-0.0032

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWRD)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	-0.0130	.0053
Stddev	.0013	.0003
%RSD	9.891	6.512

#1	-0.0117	.0056
#2	-0.0132	.0053
#3	-0.0143	.0049

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	635.95	6078.6	5375.8	4500.1
Stddev	2.91	12.3	7.5	27.0
%RSD	.45681	.20305	.13964	.60085

#1	639.25	6082.7	5383.6	4487.8
#2	633.77	6088.3	5375.4	4481.4
#3	634.83	6084.7	5368.6	4531.1

Sample Name: CalibStd-2 Acquired: 1/25/2011 15:52:31 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0281	.0101	.0016	.0082	.0196
Stddev	.0019	.0010	.0001	.0007	.0006
%RSD	6.870	10.05	7.430	8.594	3.073

#1	.0301	.0095	.0017	.0079	.0198
#2	.0263	.0096	.0015	.0077	.0189
#3	.0279	.0113	.0017	.0090	.0201

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0316	.0051	.0485	.0159	.1760
Stddev	.0010	.0001	.0003	.0001	.0035
%RSD	3.172	2.432	.6195	.7662	2.004

#1	.0320	.0053	.0488	.0158	.1801
#2	.0323	.0051	.0485	.0160	.1742
#3	.0304	.0050	.0482	.0159	.1738

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0142	.1088	.0330	.3167	.3251
Stddev	.0012	.0024	.0008	.0010	.0026
%RSD	8.575	2.162	2.358	.3297	.8108

#1	.0143	.1106	.0326	.3156	.3260
#2	.0153	.1062	.0324	.3169	.3272
#3	.0129	.1098	.0339	.3177	.3221

Sample Name: CalibStd-2 Acquired: 1/25/2011 15:52:31 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0239	.0290	.0075	.0033	.0427
Stddev	.0002	.0028	.0003	.0003	.0026
%RSD	.8435	9.621	3.738	10.58	6.039

#1	.0237	.0301	.0072	.0031	.0448
#2	.0241	.0258	.0076	.0031	.0436
#3	.0239	.0310	.0078	.0037	.0398

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWRD)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	.1278	.2119
Stddev	.0014	.0003
%RSD	1.078	.1185

#1	.1293	.2119
#2	.1275	.2121
#3	.1266	.2116

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	630.15	6125.1	5417.2	4528.7
Stddev	3.30	19.0	19.7	41.0
%RSD	.52325	.31069	.36417	.90586

#1	631.84	6103.2	5426.9	4552.6
#2	632.27	6136.5	5430.1	4481.4
#3	626.36	6135.7	5394.5	4552.3

Sample Name: CalibStd-3 Acquired: 1/25/2011 15:57:25 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0735	.0178	.0029	.0165	.0353
Stddev	.0019	.0014	.0002	.0006	.0011
%RSD	2.518	7.714	7.660	3.837	3.241

#1	.0744	.0154	.0029	.0169	.0360
#2	.0714	.0179	.0027	.0169	.0358
#3	.0749	.0191	.0031	.0158	.0339

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.126 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0638	.0135	.0999	.0314	.3014
Stddev	.0008	.0003	.0008	.0003	.0017
%RSD	1.212	2.250	.7600	.9483	.5793

#1	.0642	.0138	.1007	.0317	.2994
#2	.0644	.0132	.0994	.0311	.3024
#3	.0630	.0134	.0995	.0314	.3024

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0288	.2345	.0644	.6302	.6818
Stddev	.0008	.0054	.0007	.0019	.0032
%RSD	2.603	2.308	1.133	.2938	.4628

#1	.0287	.2407	.0649	.6293	.6855
#2	.0284	.2314	.0647	.6323	.6799
#3	.0284	.2313	.0635	.6290	.6802

Sample Name: CalibStd-3 Acquired: 1/25/2011 15:57:25 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0442	.0627	.0153	.0048	.0899
Stddev	.0001	.0059	.0005	.0001	.0007
%RSD	.1360	9.440	3.450	2.168	.7284

#1	.0441	.0893	.0151	.0049	.0899
#2	.0442	.0679	.0148	.0047	.0892
#3	.0442	.0610	.0159	.0048	.0905

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWRD)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	.2695	.4113
Stddev	.0014	.0007
%RSD	.5066	.1823

#1	.2679	.4120
#2	.2705	.4105
#3	.2701	.4115

Int. Std.	In2306	Y_HWRD	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	619.81	6088.9	5398.5	4552.5
Stddev	4.33	24.1	11.2	20.5
%RSD	.69826	.39630	.20728	.45056

#1	622.78	6103.6	5401.7	4534.1
#2	621.82	6061.0	5407.7	4548.9
#3	614.85	6102.0	5386.0	4574.6

Sample Name: CalibStd-4 Acquired: 1/25/2011 16:02:20 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1523	.0368	.0052	.0334	.0714
Stddev	.0009	.0011	.0001	.0007	.0003
%RSD	.6075	3.117	1.394	1.989	.4485

#1	.1512	.0365	.0051	.0339	.0717
#2	.1530	.0381	.0051	.0326	.0715
#3	.1526	.0359	.0052	.0336	.0711

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1279	.0307	.2010	.0610	.5531
Stddev	.0009	.0005	.0004	.0004	.0041
%RSD	.7087	1.538	.2081	.6486	.7470

#1	.1288	.0305	.2009	.0608	.5504
#2	.1280	.0312	.2006	.0608	.5579
#3	.1270	.0303	.2015	.0615	.5511

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0618	.4841	.1284	1.234	1.383
Stddev	.0024	.0019	.0009	.002	.006
%RSD	3.858	.3880	.7237	.1686	.4344

#1	.0617	.4844	.1290	1.236	1.386
#2	.0643	.4820	.1288	1.234	1.386
#3	.0596	.4857	.1273	1.232	1.376

Sample Name: CalibStd-4 Acquired: 1/25/2011 16:02:20 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0831	.1252	.0307	.0080	.1833
Stddev	.0006	.0009	.0004	.0001	.0024
%RSD	.6849	.7177	1.144	1.358	1.301

#1	.0829	.1256	.0305	.0079	.1837
#2	.0828	.1242	.0304	.0080	.1855
#3	.0838	.1258	.0311	.0081	.1807

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWRD)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	.5512	.8063
Stddev	.0014	.0031
%RSD	.2457	.3806

#1	.5528	.8040
#2	.5506	.8051
#3	.5503	.8098

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.806 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	605.05	6056.9	5331.8	4513.1
Stddev	4.15	3.8	34.7	19.5
%RSD	.68534	.06192	.65114	.43185

#1	609.19	6061.2	5361.2	4490.8
#2	605.05	6054.1	5340.7	4527.0
#3	600.89	6055.5	5293.5	4521.4

Sample Name: CalibStd-5 Acquired: 1/25/2011 16:07:14 Type: Cal
Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	395.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3081	.0779	.0097	.0863	.1427
Stddev	.0032	.0013	.0002	.0004	.0013
%RSD	1.041	1.632	2.336	.6291	.8825

#1	.3118	.0782	.0099	.0664	.1435
#2	.3065	.0765	.0099	.0658	.1413
#3	.3061	.0769	.0095	.0666	.1434

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2512	.0642	.3991	.1205	1.047
Stddev	.0009	.0004	.0005	.0001	.010
%RSD	.3741	.6187	.1281	.0478	.9247

#1	.2504	.0641	.3997	.1205	1.058
#2	.2509	.0638	.3987	.1206	1.040
#3	.2522	.0646	.3990	.1205	1.044

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1261	.9664	.2515	2.423	2.742
Stddev	.0017	.0019	.0005	.011	.012
%RSD	1.362	.1984	.2104	.4322	.4389

#1	.1241	.9682	.2514	2.433	2.756
#2	.1266	.9667	.2511	2.426	2.735
#3	.1274	.9644	.2521	2.412	2.736

Sample Name: CalibStd-5 Acquired: 1/25/2011 16:07:14 Type: Cal
Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	195.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1598	.2487	.0611	.0144	.3707
Stddev	.0003	.0044	.0009	.0002	.0021
%RSD	.2077	1.787	1.408	1.276	.5724

#1	.1801	.2538	.0602	.0144	.3695
#2	.1595	.2466	.0613	.0143	.3732
#3	.1600	.2457	.0619	.0146	.3695

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	1.118	1.599
Stddev	.004	.002
%RSD	.3206	.1467

#1	1.122	1.600
#2	1.116	1.596
#3	1.116	1.601

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	590.00	5946.1	5265.5	4478.8
Stddev	1.28	6.2	8.1	22.6
%RSD	.21747	.10457	.15404	.50495

#1	590.44	5943.3	5266.3	4453.2
#2	588.55	5941.7	5273.1	4487.0
#3	591.01	5953.2	5257.0	4496.1

Sample Name: CalibStd-6 Acquired: 1/25/2011 16:12:09 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6229	.1592	.0194	.1330	.2880
Stddev	.0018	.0019	.0001	.0008	.0011
%RSD	.2930	1.184	.4811	.5948	.3707

#1	.6232	.1599	.0194	.1336	.2882
#2	.6246	.1570	.0195	.1321	.2889
#3	.6210	.1606	.0194	.1332	.2868

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5037	.1330	.7986	.2410	2.126
Stddev	.0017	.0006	.0015	.0002	.007
%RSD	.3297	.4255	.1872	.0888	.3106

#1	.5056	.1334	.8003	.2413	2.133
#2	.5032	.1323	.7975	.2408	2.120
#3	.5024	.1332	.7980	.2410	2.126

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2568	1.959	.4963	4.869	5.457
Stddev	.0023	.005	.0027	.002	.020
%RSD	.9090	.2361	.5437	.0449	.3704

#1	.2574	1.959	.4946	4.871	5.471
#2	.2542	1.964	.4994	4.869	5.466
#3	.2588	1.955	.4949	4.867	5.434

Sample Name: CalibStd-6 Acquired: 1/25/2011 16:12:09 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3145	.5115	.1239	.0279	.7500
Stddev	.0006	.0034	.0016	.0002	.0017
%RSD	.1807	.6655	1.232	.8935	.2290

#1	.3151	.5154	.1225	.0276	.7487
#2	.3139	.5090	.1238	.0280	.7520
#3	.3146	.5101	.1255	.0281	.7494

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	2.290	3.203
Stddev	.008	.005
%RSD	.3645	.1702

#1	2.300	3.210
#2	2.285	3.199
#3	2.287	3.201

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	574.03	5868.8	5236.7	4458.9
Stddev	1.49	24.7	14.7	11.4
%RSD	.25973	.42168	.28079	.25622

#1	574.43	5844.0	5227.7	4454.2
#2	575.28	5893.5	5253.7	4472.0
#3	572.38	5868.9	5228.7	4450.7

Sample Name: CalibStd-7 Acquired: 1/25/2011 16:17:01 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.291	9.793	.0381	.2645	.5839
Stddev	.005	.050	.0003	.0009	.0057
%RSD	.4238	.5112	.6777	.3426	.9782

#1	1.296	9.850	.0382	.2656	.5903
#2	1.292	9.760	.0378	.2639	.5793
#3	1.285	9.768	.0382	.2642	.5822

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.495	.2693	1.527	.4777	4.230
Stddev	.013	.0008	.004	.0007	.019
%RSD	.5319	.2979	.2582	.1509	.4467

#1	2.509	.2692	1.526	.4781	4.241
#2	2.484	.2685	1.524	.4769	4.240
#3	2.491	.2701	1.532	.4782	4.208

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2	589.592 { 57}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	30.28	4.970	2.428	9.660	13.64
Stddev	.04	.008	.012	.016	.05
%RSD	.1474	.1635	.4800	.1621	.3873

#1	30.31	4.971	2.440	9.658	13.69
#2	30.30	4.961	2.417	9.676	13.59
#3	30.23	4.977	2.426	9.645	13.62

Sample Name: CalibStd-7 Acquired: 1/25/2011 16:17:01 Type: Cal
 Method: ISM1.2(v203) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: S

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5975	1.002	.2583	.0545	1.473
Stddev	.0012	.007	.0004	.0003	.010
%RSD	.1977	.6568	.1666	.4984	.7065

#1	.5973	1.005	.2588	.0545	1.479
#2	.5964	.9942	.2579	.0548	1.461
#3	.5987	1.006	.2584	.0542	1.478

Elem	V_LL	Zn-LL2
Line	292.402 {115}2	213.855 {458}
IS Ref	(Y_HWRD)	(Y_LWAX)
Units	Cts/S	Cts/S
Avg	4.512	6.321
Stddev	.016	.011
%RSD	.3519	.1690

#1	4.527	6.319
#2	4.514	6.311
#3	4.495	6.332

Int. Std.	In2306	Y_HWRD	Y_LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	519.00	5583.4	4985.3	4359.3
Stddev	3.78	14.7	20.3	23.7
%RSD	.72820	.26313	.40776	.54308

#1	515.43	5567.1	4967.7	4334.1
#2	522.96	5587.3	5007.6	4362.6
#3	518.59	5595.7	4980.6	4381.1

Sample Name: IGV-ISM Acquired: 1/25/2011 16:22:01 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: IGV

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	510.1	2610.	1008.	k 509.2	k 489.1
Stddev	.6	28.	4.	1.4	.8
%RSD	.1111	1.086	.3668	.2759	.1573

#1	509.6	2610.	1006.	k 510.4	k 489.9
#2	510.1	2638.	1006.	k 507.7	k 488.8
#3	510.7	2581.	1013.	k 509.4	k 488.6

Check ?	None	Chk Pass	None	Chk Pass	None
Value					
Range					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10410.	k 498.7	k 524.9	k 499.7	k 520.3
Stddev	84.	.6	.9	.8	.8
%RSD	.8060	.1134	.1737	.1642	.1597

#1	10480.	k 498.6	k 525.2	k 500.2	k 519.3
#2	10430.	k 498.1	k 523.9	k 498.8	k 520.8
#3	10310.	k 499.3	k 525.7	k 500.2	k 520.6

Check ?	Chk Pass	None	Chk Pass	None	Chk Pass
Value					
Range					

Sample Name: IGV-ISM Acquired: 1/25/2011 16:22:01 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: IGV

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 5352.	10360.	k 6339.	k 514.8	10230.
Stddev	18.	84.	63.	.4	72.
%RSD	.3445	.8129	.9977	.0805	.7010

#1	k 5350.	10290.	k 6372.	k 514.3	10320.
#2	k 5371.	10450.	k 6379.	k 515.2	10190.
#3	k 5334.	10340.	k 6266.	k 514.8	10190.

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(ln2306)	(Y_LWAX)	(Y_LWAX)	(ln2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 529.8	k 995.2	k 1014.	k 1020.	k 1019.
Stddev	1.2	2.8	7.	3.	4.
%RSD	.2307	.2769	.7368	.2627	.3914

#1	k 530.4	k 994.4	k 1006.	k 1019.	k 1019.
#2	k 528.4	k 994.8	k 1020.	k 1019.	k 1015.
#3	k 530.6	k 999.3	k 1018.	k 1023.	k 1023.

Check ?	Chk Pass	None	Chk Pass	None	None
Value					
Range					

Sample Name: IGV-ISM Acquired: 1/25/2011 16:22:01 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: IGV

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 503.3	k 1021.
Stddev	.9	2.
%RSD	.1760	.1782

#1	k 502.6	k 1021.
#2	k 504.3	k 1019.
#3	k 503.1	k 1022.

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	609.14	6031.4	5361.9	4527.7
Stddev	4.00	27.6	30.3	32.7
%RSD	.65614	.45759	.56597	.72292

#1	609.75	5999.6	5371.5	4538.0
#2	612.80	6047.3	5386.2	4491.0
#3	604.88	6047.4	5327.9	4554.0

Sample Name: IGV-ISM@10 Acquired: 1/25/2011 16:26:50 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: IGV

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	53.03	246.4	99.70	k 59.32	k 48.43
Stddev	.54	11.2	1.16	8.45	.42
%RSD	1.017	4.533	1.166	14.24	.8690

#1	53.61	256.8	101.0	k 59.81	k 48.34
#2	52.54	234.6	99.04	k 67.51	k 48.89
#3	52.95	247.6	99.02	k 50.64	k 48.06

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1025.	k 50.45	k 53.55	k 50.49	k 51.82
Stddev	.44	.14	.19	.11	.46
%RSD	4.257	.2829	.3603	.2139	.8846

#1	991.3	k 50.61	k 53.41	k 50.46	k 51.78
#2	1010.	k 50.33	k 53.47	k 50.39	k 52.29
#3	1074.	k 50.41	k 53.77	k 50.60	k 51.38

Check ?	None	Chk Pass	None	Chk Pass	None
Value					
Range					

Sample Name: IGV-ISM@10 Acquired: 1/25/2011 16:26:50 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: IGV

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 546.0	1098.	k 646.5	k 52.68	1058.
Stddev	6.0	50.	20.2	.12	40.
%RSD	1.101	4.510	3.120	.2255	3.774

#1	k 552.5	1041.	k 669.4	k 52.63	1104.
#2	k 544.8	1125.	k 639.0	k 52.66	1030.
#3	k 540.7	1128.	k 631.2	k 52.44	1040.

Check ?	None	None	None	Chk Pass	None
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.080 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 53.29	k 99.60	k 104.8	k 102.0	k 102.3
Stddev	.42	1.53	.7	2.0	.9
%RSD	.7873	1.541	.7081	1.919	.8942

#1	k 52.96	k 101.3	k 104.0	k 104.1	k 102.6
#2	k 53.14	k 99.31	k 104.8	k 101.8	k 102.9
#3	k 53.76	k 98.23	k 105.5	k 100.2	k 101.2

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass
Value					
Range					

Sample Name: IGV-ISM@10 Acquired: 1/25/2011 16:26:50 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: IGV

Elem	V_LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 49.61	k 104.0
Stddev	.31	.2
%RSD	.6194	.1666

#1	k 49.97	k 104.1
#2	k 49.46	k 103.8
#3	k 49.41	k 104.0

Check ?	None	None
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	635.89	6106.7	5437.7	4529.2
Stddev	.58	20.3	13.6	6.6
%RSD	.09105	.33259	.25093	.14598

#1	636.27	6085.3	5435.8	4533.2
#2	635.23	6109.2	5452.2	4521.6
#3	636.19	6125.7	5425.1	4533.0

Sample Name: ICB-ISM Acquired: 1/25/2011 16:31:42 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICB

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-2014	-9.707	-1.142	k 10.93	k .1995
Stddev	.6234	39.63	2.645	12.85	.2582
%RSD	309.6	408.2	231.6	117.6	129.4

#1	.1472	-55.33	-3.493	23.09	.2186
#2	.1697	16.15	-1.655	k 12.19	k -.0877
#3	-.9210	10.06	1.722	-2.506	k .4476

Check ? High Limit Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	12.02	k .1081	k .2042	k -.0830	-.9230
Stddev	5.69	.0779	.0326	.0812	1.137
%RSD	47.37	72.08	15.98	97.88	123.2

#1	14.26	k .0334	k .2094	.0015	-2.225
#2	5.548	k .1889	k .1692	-.0898	-.1238
#3	16.26	k .1020	k .2339	k -.1606	-.4202

Check ? High Limit Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB-ISM Acquired: 1/25/2011 16:31:42 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICB

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k .8920	-30.93	36.42	.0481	-5.124
Stddev	1.565	51.70	39.92	.0536	19.00
%RSD	175.4	167.2	109.6	111.5	370.7

#1	k 2.496	-72.09	-2.694	.0681	-1.963
#2	k .8119	27.10	34.84	.0889	12.09
#3	k -.6313	-47.79	77.10	-.0127	-25.50

Check ? High Limit Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0352	k -.5293	k 2.102	5.138	k .6555
Stddev	.0623	.7389	2.169	.431	1.709
%RSD	176.8	139.6	103.2	8.396	260.7

#1	.1025	k .1290	k 3.837	4.816	k .4442
#2	-.0204	k -1.329	k 2.800	4.968	k 2.460
#3	.0236	k -.3884	k -.3300	5.628	k -.9378

Check ? High Limit Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB-ISM Acquired: 1/25/2011 16:31:42 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICB

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .1087	k .1409
Stddev	.3416	.0397
%RSD	314.3	28.18

#1	k .1041	.1199
#2	k -.2305	k .1162
#3	k .4525	k .1867

Check ? High Limit Low Limit

Chk Pass Chk Pass

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	638.77	6095.9	5412.9	4503.8
Stddev	2.73	16.6	13.6	8.3
%RSD	.42787	.27261	.25208	.18423

#1	637.27	6080.2	5401.2	4505.2
#2	641.92	6113.3	5427.9	4511.3
#3	637.10	6094.4	5409.6	4494.9

Sample Name: ICSA Acquired: 1/25/2011 16:36:38 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSA

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2933	248300.	k 1.532	k 16.48	k .5116
Stddev	.6684	1045.	.301	3.71	.2288
%RSD	227.9	.4210	19.63	22.55	44.33

#1	.7682	248600.	k 1.843	k 13.57	k .7326
#2	.5827	249100.	k 1.243	k 15.19	k .2794
#3	-.4711	247100.	k 1.508	k 20.66	k .5227

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ce-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	252000.	k 1.606	k 5.061	44.97	k 20.37
Stddev	864.	.102	.342	.21	.55
%RSD	.3429	6.330	6.757	.4696	2.703

#1	252000.	k 1.636	k 5.413	45.12	k 20.98
#2	252800.	k 1.493	k 5.041	44.73	k 19.91
#3	251100.	k 1.690	k 4.730	45.07	k 20.21

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 1/25/2011 16:36:38 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSA

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (67)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	99760.	72.60	251900.	21.17	856.0
Stddev	127.	127.4	629.	.11	36.7
%RSD	.1274	175.5	.2499	.5291	4.284

#1	99750.	-42.85	252500.	21.28	873.0
#2	99640.	209.3	251900.	21.06	813.9
#3	99890.	51.36	251300.	21.16	881.0

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	21.68	k 9.272	k 1.988	-4.498	k 2.141
Stddev	.17	.820	1.623	2.968	.884
%RSD	.7947	8.839	81.60	65.98	41.30

#1	21.86	k 8.721	k .3248	-7.925	k 2.036
#2	21.52	k 8.880	k 3.566	-2.759	k 1.314
#3	21.65	k 10.21	k 2.074	-2.810	k 3.073

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 1/25/2011 16:36:38 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSA

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	k -1.706	k 27.69
Stddev	.338	.05
%RSD	19.79	.1713

#1	k -1.760	k 27.65
#2	k -2.013	k 27.74
#3	k -1.344	k 27.67

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.806 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	525.28	5650.2	5034.1	4367.3
Stddev	1.85	14.3	12.2	21.4
%RSD	.35253	.25333	.24240	.48967

#1	527.07	5656.6	5038.6	4347.7
#2	525.41	5633.8	5043.3	4364.2
#3	523.37	5660.2	5020.2	4390.1

Sample Name: ICSA@10 Acquired: 1/25/2011 16:41:28 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSA

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4394	25150.	1.088	k 3.057	k .2260
Stddev	.7523	117.	1.341	9.387	.1864
%RSD	171.2	.4661	123.2	307.1	83.36

#1	-.2565	25170.	.8488	k 10.36	k .0358
#2	1.238	25020.	2.532	-7.532	k .4125
#3	.3370	25250.	-.1167	k 6.344	k .2297

Check ?	None	Chk Pass	None	None	None
Value					
Range					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	25700.	k .2833	k .5208	4.513	k 1.820
Stddev	62.	.1306	.1990	.128	.773
%RSD	.2419	46.09	38.22	2.841	42.47

#1	25730.	k .2154	k .6316	4.383	k .9454
#2	25630.	k .4339	k .2910	4.640	k 2.102
#3	25750.	.2007	k .6398	4.516	k 2.411

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Sample Name: ICSA@10 Acquired: 1/25/2011 16:41:28 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSA

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10290.	49.07	25920.	2.192	75.56
Stddev	17.	27.30	46.	.068	20.84
%RSD	.1614	55.63	.1760	3.122	27.72

#1	10310.	69.56	25960.	2.271	81.64
#2	10280.	59.57	25940.	2.153	92.78
#3	10280.	18.08	25870.	2.151	52.25

Check ?	None	None	Chk Pass	None	None
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.080 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.834	k 1.694	k .6279	1.907	k .0573
Stddev	.177	1.465	1.589	1.734	1.150
%RSD	9.679	86.44	253.1	90.94	2007.

#1	1.637	k .1933	k .2153	.7607	k -.2003
#2	1.883	k 3.120	k 2.383	1.058	k 1.314
#3	1.981	k 1.770	k -.7144	3.903	k -.9420

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: ICSA@10 Acquired: 1/25/2011 16:41:28 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSA

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k -1.078	k 2.895
Stddev	.213	.130
%RSD	19.77	4.483

#1	k -1.129	k 3.020
#2	k -.8441	k 2.903
#3	k -1.261	k 2.761

Check ?	None	None
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	605.33	6004.8	5350.4	4517.9
Stddev	.44	4.2	5.9	33.3
%RSD	.07234	.07027	.11021	.73796

#1	604.83	6001.5	5345.4	4542.7
#2	605.63	6009.6	5356.9	4531.1
#3	605.54	6003.3	5348.9	4480.0

Sample Name: ICSAB Acquired: 1/25/2011 16:46:23 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSAB

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	204.0	249200.	100.1	k 504.0	k 491.1
Stddev	.3	334.	2.4	9.4	.2
%RSD	.1360	.1339	2.351	1.857	.0429

#1	204.0	248900.	97.96	k 510.9	k 491.2
#2	204.2	249000.	99.77	k 493.3	k 490.9
#3	203.7	249500.	102.6	k 507.7	k 491.2

Check ?	Chk Pass	None	Chk Pass	Chk Pass	None
Value					
Range					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (105)	228.802 (447)	228.816 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	251300.	k 982.2	k 492.1	k 528.8	k 527.7
Stddev	311.	2.2	.9	.9	1.4
%RSD	.1237	.2279	.1771	.1724	.2618

#1	251700.	k 980.6	k 491.4	k 529.2	k 526.3
#2	251200.	k 981.2	k 491.7	k 527.8	k 529.1
#3	251100.	k 984.7	k 493.1	k 529.5	k 527.8

Check ?	None	None	Chk Pass	None	None
Value					
Range					

Sample Name: ICSAB Acquired: 1/25/2011 16:46:23 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSAB

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 99880.	2.039	250700.	519.3	894.7
Stddev	225.	39.48	685.	.6	22.4
%RSD	.2252	1937.	.2733	.1193	2.500

#1	k 99630.	19.59	251500.	518.6	900.3
#2	k 100100.	29.70	250500.	519.9	913.6
#3	k 99930.	-43.17	250200.	519.2	870.0

Check ?	Chk Pass	None	None	None	None
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(ln2306)	(Y_LWAX)	(Y_LWAX)	(ln2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 1013.	k 62.75	k 617.3	k 48.42	k 96.22
Stddev	2.	1.35	1.0	1.15	.13
%RSD	.2174	2.146	.1571	2.379	.1358

#1	k 1015.	k 63.54	k 616.3	k 49.03	k 96.07
#2	k 1011.	k 61.19	k 618.3	k 47.10	k 96.29
#3	k 1015.	k 63.51	k 617.2	k 49.15	k 96.29

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: ICSAB Acquired: 1/25/2011 16:46:23 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSAB

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 498.3	k 1056.
Stddev	2.4	1.
%RSD	.4854	.1247

#1	k 495.8	k 1056.
#2	k 500.6	k 1054.
#3	k 498.4	k 1057.

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	526.72	5620.6	5028.2	4369.8
Stddev	1.84	17.4	17.4	30.2
%RSD	.34881	.30963	.34524	.69021

#1	524.65	5640.6	5013.2	4396.0
#2	528.16	5612.1	5047.2	4377.9
#3	527.36	5609.0	5024.1	4336.4

Sample Name: ICSAB@10 Acquired: 1/25/2011 16:51:13 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSAB

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	20.38	24900.	8.150	k 56.22	k 48.49
Stddev	.95	292.	1.898	3.70	.06
%RSD	4.684	1.171	23.29	6.581	.1153

#1	21.48	24650.	5.987	k 60.08	k 48.43
#2	19.79	24840.	8.929	k 52.71	k 48.53
#3	19.86	25220.	9.535	k 55.88	k 48.52

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	25560.	k 97.78	k 50.74	k 53.23	k 50.98
Stddev	98.	.35	.37	.08	.42
%RSD	.3814	.3607	.7234	.1588	.8191

#1	25510.	k 97.45	k 50.61	k 53.14	k 50.74
#2	25530. <th>k 97.74</th> <th>k 51.15</th> <th>k 53.24</th> <th>k 50.74</th>	k 97.74	k 51.15	k 53.24	k 50.74
#3	25690. <th>k 98.15</th> <th>k 50.45</th> <th>k 53.31</th> <th>k 51.46</th>	k 98.15	k 50.45	k 53.31	k 51.46

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass
Value					
Range					

Sample Name: ICSAB@10 Acquired: 1/25/2011 16:51:13 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSAB

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 10250.	16.92	25600.	52.78	81.52
Stddev	9.	173.6	205.	.21	31.15
%RSD	.0854	1026.	.7927	.3942	38.21

#1	k 10240.	217.4	25570.	53.02	50.14
#2	k 10260.	-80.80	25850.	52.66	112.4
#3	k 10250.	-85.85	25970.	52.66	81.98

Check ?	None	None	Chk Pass	Chk Pass	None
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 104.4	k 5.502	k 60.97	k 7.143	k 9.693
Stddev	.5	1.927	.92	3.823	.866
%RSD	.4837	35.02	1.515	53.52	8.934

#1	k 104.4	k 7.727	k 59.95	k 2.898	k 10.46
#2	k 103.9	k 4.446	k 61.22	k 10.31	k 8.754
#3	k 104.9	k 4.335	k 61.75	k 8.216	k 9.866

Check ?	None	None	None	None	None
Value					
Range					

Sample Name: ICSAB@10 Acquired: 1/25/2011 16:51:13 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: ICSAB

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 48.83	k 105.2
Stddev	.69	.2
%RSD	1.413	.2257

#1	k 48.22	k 105.1
#2	k 48.58	k 105.1
#3	k 49.58	k 105.5

Check ?	None	None
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	604.09	6004.8	5344.4	4499.5
Stddev	1.37	23.6	30.6	37.6
%RSD	.22752	.39287	.57275	.83501

#1	603.80	6000.0	5359.9	4530.1
#2	605.58	6030.4	5364.2	4510.8
#3	602.87	5984.0	5309.2	4457.6

Sample Name: CCV Acquired: 1/25/2011 16:56:07 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 {85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	155.1	323.3	158.6	k 3135.	k 77.86
Stddev	.5	27.	2.5	23.	.22
%RSD	.3315	.8346	1.578	.7423	.2784

#1	155.7	3242.	156.0	k 3161.	k 78.01
#2	154.9	3202.	160.9	k 3126.	k 77.97
#3	154.7	3253.	158.9	k 3117.	k 77.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	39710.	k 78.87	k 805.2	k 158.0	k 395.0
Stddev	172.	.38	1.1	.3	2.2
%RSD	.4335	.4777	.1409	.1930	.5481

#1	39580.	k 78.81	k 805.5	k 157.9	k 397.1
#2	39640.	k 79.27	k 804.9	k 157.8	k 392.8
#3	39900.	k 78.52	k 804.3	k 158.4	k 395.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV Acquired: 1/25/2011 16:56:07 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 {44}	279.079 {121}	257.610 {131}2	589.592 {57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 1704.	39460.	39710.	237.8	39470.
Stddev	4.	124.	153.	.5	112.
%RSD	.2391	.3139	.3845	.2040	.2846

#1	k 1700.	39600.	39770.	238.4	39370.
#2	k 1703.	39370.	39530.	237.7	39460.
#3	k 1709.	39420.	39820.	237.5	39590.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_LWAX)	(ln2306)	(Y_LWAX)	(Y_LWAX)	(ln2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	643.9	k 156.0	k 922.1	k 282.1	k 394.0
Stddev	.7	.7	16.5	3.6	1.9
%RSD	.1050	.4508	1.790	1.290	.4832

#1	643.5	k 154.9	k 904.5	k 278.4	k 396.0
#2	644.7	k 155.7	k 924.8	k 282.2	k 392.2
#3	643.5	k 154.3	k 937.2	k 285.7	k 393.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV Acquired: 1/25/2011 16:56:07 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 797.7	k 955.2
Stddev	2.9	.6
%RSD	.3650	.0609

#1	k 800.7	k 955.9
#2	k 794.9	k 954.7
#3	k 797.6	k 955.0

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	ln2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 {91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	572.32	5842.2	5216.5	4417.0
Stddev	1.19	9.9	7.6	26.9
%RSD	.20841	.17003	.14663	.60983

#1	572.82	5833.5	5218.9	4438.9
#2	573.18	5840.0	5222.7	4425.2
#3	570.96	5853.0	5208.0	4386.9

Sample Name: CCB Acquired: 1/25/2011 17:00:58 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1338	-23.45	-6674	k 6.435	k .0155
Stddev	.2055	28.51	1.165	7.933	.3113
%RSD	153.6	121.6	174.6	123.3	2010.

#1	-.0782	-21.93	.4860	k 14.63	k .1813
#2	.3320	4.271	-1.844	5.872	k .2087
#3	.1475	-52.69	-.6440	-1.202	k -.3436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	65.63	k .0043	k .2165	k -.0260	.2133
Stddev	43.28	.1847	.3051	.0493	1.597
%RSD	65.94	4264.	140.9	189.8	748.6

#1	28.06	k -.1856	k .2121	k .0089	2.009
#2	55.88	k .1833	k .5237	-.0044	-.3217
#3	112.9	k .0153	-.0864	k -.0825	-1.047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 1/25/2011 17:00:58 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 7.593	-50.95	56.42	.1397	-15.42
Stddev	5.132	65.89	34.09	.0520	11.31
%RSD	67.59	129.3	60.42	37.18	73.37

#1	k 6.485	-89.51	34.39	.1447	-23.86
#2	k 13.19	25.12	95.69	.1890	-2.565
#3	k 3.106	-88.47	39.18	.0855	-19.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5505	k .1763	k 13.32	8974	k .7284
Stddev	1.177	.2264	3.82	1.357	.8944
%RSD	213.8	128.4	28.66	151.2	122.8

#1	1.541	k .0879	k 17.03	1.253	k 1.588
#2	-.7507	k .4335	k 13.53	-.6016	k -.1974
#3	.8614	k .0074	k 9.405	2.041	k .7948

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 1/25/2011 17:00:58 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .1684	k .0680
Stddev	.6166	.1239
%RSD	366.2	182.1

#1	k .8804	k -.0668
#2	k -.1889	.0940
#3	k -.1863	k .1769

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	633.04	6058.6	5382.9	4481.7
Stddev	5.17	6.2	14.6	24.9
%RSD	.81722	.10265	.27085	.55647

#1	628.24	6061.0	5371.2	4510.3
#2	638.52	6063.2	5399.2	4470.9
#3	632.37	6051.5	5378.3	4464.0

Sample Name: mb 200-12588/1-a Acquired: 1/25/2011 17:05:53 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: PBW

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2446	-63.39	-5365	k 4.778	k .1090
Stddev	.4545	37.73	.5846	9.398	.4277
%RSD	185.8	59.51	109.0	196.7	392.2
#1	-2777	-50.24	.0647	k 8.782	k -.1584
#2	.4616	-105.9	-5711	-5.959	.6023
#3	.5498	-34.00	-1.103	11.51	k -.1168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	75.51	k .0643	k .0250	k -.2404	.3757
Stddev	80.36	.0655	.1261	.2381	.6406
%RSD	106.4	101.9	503.5	99.03	170.5
#1	111.5	k .1390	k -.0589	k -.3934	-3478
#2	131.6	k .0168	k .1701	-3618	.6044
#3	-16.56	k .0370	k -.0361	k .0339	.8706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: mb 200-12588/1-a Acquired: 1/25/2011 17:05:53 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: PBW

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k -8.053	-11.25	-11.06	-0.310	-15.07
Stddev	4.672	73.78	15.08	.0243	8.52
%RSD	58.02	656.0	136.3	78.30	56.55
#1	k -2.872	69.03	2.180	-.0083	-9.828
#2	k -9.338	-26.70	-27.47	-.0566	-10.47
#3	-11.95	-76.08	-7.900	-.0280	-24.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	208.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-3509	k .2283	k 3.748	k -.9885	k 1.022
Stddev	.2514	.6056	1.980	2.737	1.601
%RSD	71.65	265.3	52.81	276.8	156.6
#1	-5567	k -.4626	k 5.782	2.121	k 1.236
#2	-.0707	k .4798	k 3.636	k -3.030	k 2.505
#3	-.4253	k .6675	k 1.827	-2.086	k -.6750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: mb 200-12588/1-a Acquired: 1/25/2011 17:05:53 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: PBW

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k -.0778	k -.4732
Stddev	.2383	.0356
%RSD	306.3	7.533
#1	k -.2885	k -.5064
#2	k .1809	k -.4777
#3	k -.1258	-.4355
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	651.01	6227.1	5535.6	4626.1
Stddev	2.06	34.6	4.7	49.5
%RSD	.31702	.55568	.08493	1.0708
#1	652.11	6264.2	5540.9	4655.2
#2	652.29	6195.6	5531.9	4568.9
#3	648.63	6221.6	5534.0	4654.2

Sample Name: lcs 200-12588/2-a Acquired: 1/25/2011 17:10:50 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: LCS

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	20.34	364.6	19.40	k 390.9	k 9.996
Stddev	.74	27.7	.08	11.1	.167
%RSD	3.644	7.205	.3890	2.840	1.666

#1	21.17	416.2	19.32	k 396.9	k 10.09
#2	20.14	364.5	19.45	k 397.7	k 9.803
#3	19.73	373.2	19.44	k 378.1	k 10.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10150.	k 9.996	k 103.3	k 19.60	k 50.58
Stddev	75.	.302	.3	.04	.85
%RSD	.7418	3.023	.2888	.2169	1.687

#1	10100.	k 10.14	k 103.0	k 19.56	k 51.56
#2	10240.	k 10.20	k 103.2	k 19.59	k 50.02
#3	10120.	k 9.649	k 103.6	k 19.64	k 50.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: lcs 200-12588/2-a Acquired: 1/25/2011 17:10:50 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: LCS

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 220.1	10360.	10400.	29.92	10160.
Stddev	2.3	60.	76.	.14	35.
%RSD	1.031	.5803	.7318	.4813	.3424

#1	k 217.6	10320.	10390.	30.07	10130.
#2	k 222.0	10330.	10480.	29.90	10160.
#3	k 220.6	10430.	10330.	29.79	10200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	82.59	k 19.30	k 124.4	k 71.66	k 48.75
Stddev	.80	.65	.8	1.28	.07
%RSD	.9744	3.345	.6552	1.788	.1484

#1	83.49	k 19.72	k 124.2	k 72.72	k 48.83
#2	81.95	k 18.56	k 123.8	k 72.03	k 48.70
#3	82.32	k 19.62	k 125.3	k 70.24	k 48.72

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: lcs 200-12588/2-a Acquired: 1/25/2011 17:10:50 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: LCS

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 99.88	k 125.9
Stddev	.55	.4
%RSD	.5484	.2809

#1	k 99.62	k 125.6
#2	k 100.5	k 126.3
#3	k 99.52	k 126.0

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	619.40	6102.7	5445.8	4551.4
Stddev	1.66	23.8	1.1	18.7
%RSD	.26745	.39081	.02031	.40995

#1	617.50	6079.5	5444.9	4560.5
#2	620.54	6127.2	5445.4	4563.6
#3	620.16	6101.5	5447.1	4529.9

Sample Name: 200-3445-h-1-a Acquired: 1/25/2011 17:15:46 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-9616	2014.	k -1.736	41.45	k .2396
Stddev	.5453	32.	1.190	2.38	.2345
%RSD	56.71	1.574	68.54	5.748	97.85
#1	-1.583	2032.	k -.6326	41.47	k .5091
#2	-.5617	2033.	k -1.579	39.05	k .1277
#3	-.7403	1978.	k -2.996	43.81	k .0821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.516 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	18390.	k .2937	k .2242	k 156.8	k 1.630
Stddev	217.	.0571	.0822	.4	.533
%RSD	1.178	19.43	36.64	.2600	32.57
#1	18340.	k .3577	k .2576	k 156.5	k 1.126
#2	18630.	k .2483	k .1306	k 156.8	k 2.187
#3	18210.	k .2749	k .2844	k 157.3	k 1.578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-1-a Acquired: 1/25/2011 17:15:46 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	252.0	20400.	11180.	F 12810.	26820.
Stddev	6.1	104.	48.	60.	171.
%RSD	2.435	.5089	.4316	.4716	.6356
#1	247.3	20300.	11150.	12810.	26730.
#2	258.9	20500.	11240.	12870.	27010.
#3	249.8	20420.	11160.	12750.	26710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				480.0	
Low Limit				-15.00	

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (453)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	18.71	k 1.308	k 4.078	.1853	k -3.107
Stddev	.62	1.779	1.516	2.757	.803
%RSD	3.314	136.0	37.19	1488.	25.83
#1	18.16	k -.7198	k 4.469	3.094	k -2.910
#2	18.57	k 2.037	k 5.359	-.1477	k -3.990
#3	19.38	k 2.606	k 2.404	-2.390	k -2.421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-1-a Acquired: 1/25/2011 17:15:46 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .3802	k 8.806
Stddev	.1969	.014
%RSD	51.78	.1538
#1	k .6032	k 8.791
#2	k .3069	k 8.812
#3	k .2305	k 8.816
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	608.46	6071.2	5397.7	4537.1
Stddev	1.66	12.4	15.1	21.2
%RSD	.27244	.20446	.27919	.46620
#1	608.69	6085.4	5397.9	4560.1
#2	609.99	6065.8	5412.7	4532.8
#3	606.70	6062.4	5382.5	4518.4

Sample Name: 200-3445-h-1-a Acquired: 1/25/2011 17:20:51 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5731	392.2	k .2212	k 18.38	k .0589
Stddev	.3109	22.9	2.009	11.38	.0921
%RSD	54.24	5.833	908.1	61.88	156.4

#1	-.9303	411.5	k 2.535	k 9.833	k -.0161
#2	-.3634	398.2	k -.7922	k 14.02	k .1616
#3	-.4257	366.9	k -1.079	31.29	.0312

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3696.	k -.0169	k -.2255	k 30.96	k .3296
Stddev	64.	.0941	.1328	.29	.1146
%RSD	1.721	556.0	58.86	.9422	34.76

#1	3679.	k .0264	k -.2439	k 31.29	k .4552
#2	3642.	k -.1248	k -.0846	k 30.75	k .2308
#3	3766.	k .0477	k -.3482	30.85	k .3028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-1-a Acquired: 1/25/2011 17:20:51 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 57.08	4161.	2263.	F 2661.	5378.
Stddev	15.27	44.	29.	11.	26.
%RSD	26.75	1.046	1.275	.3997	.4820

#1	k 47.69	4145.	2264.	2656.	5348.
#2	74.71	4127.	2291.	2554.	5396.
#3	k 48.85	4210.	2234.	2673.	5390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				480.0	
Low Limit				-15.00	

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 3.306	k -1.434	k 1.112	k 2.056	k -1.133
Stddev	.452	.262	1.366	2.336	.324
%RSD	13.68	18.24	122.8	113.6	28.56

#1	k 3.145	k -1.675	k 1.101	k 2.511	k -.9324
#2	2.957	k -1.156	k -.2486	4.132	k -1.506
#3	k 3.817	k -1.472	k 2.483	k -.4736	k -.9604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-1-a Acquired: 1/25/2011 17:20:51 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .4246	k 2.204
Stddev	.5452	.049
%RSD	128.4	2.206

#1	k 1.041	k 2.215
#2	k .2266	k 2.247
#3	k .0062	k 2.151

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	626.12	6101.5	5411.7	4505.3
Stddev	2.04	10.1	11.2	34.1
%RSD	.32608	.16602	.20773	.75609

#1	623.96	6105.0	5413.0	4544.2
#2	628.02	6109.5	5422.3	4480.8
#3	626.37	6090.1	5389.9	4490.8

Sample Name: 200-3445-h-2-a Acquired: 1/25/2011 17:25:56 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-9462	3562.	k -1.209	54.53	k .7906
Stddev	.3444	49.	1.011	5.92	.0792
%RSD	36.39	1.376	83.62	10.86	10.02
#1	-6723	3506.	k -.3227	52.74	k .7545
#2	-1.333	3586.	k -2.310	49.71	.8814
#3	-8336	3595.	k -.9941	61.14	k .7359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	20500.	k .7685	k .3559	k 141.4	k 3.156
Stddev	239.	.1851	.3066	.4	.455
%RSD	1.167	24.09	86.14	.2894	14.43
#1	20230.	k .9150	k .6774	k 141.0	k 2.705
#2	20670.	k .5605	k .3236	k 141.8	k 3.147
#3	20610.	k .8301	k .0668	k 141.5	k 3.615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-2-a Acquired: 1/25/2011 17:25:56 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 266.7	14070.	9368.	F 2565.	27130.
Stddev	4.5	81.	43.	27.	202.
%RSD	1.677	.5769	.4608	1.045	.7456
#1	k 271.4	14020.	9401.	2589.	26890.
#2	262.5	14030.	9384.	2559.	27250.
#3	266.3	14160.	9319.	2536.	27240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				480.0	
Low Limit				-15.00	

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	88.49	k 1.891	k 5.562	k 1.180	k -.0685
Stddev	.42	1.857	.789	.623	.5109
%RSD	.4732	98.19	14.19	52.78	745.9
#1	88.08	k -.0738	k 4.671	k .4848	k -.6584
#2	88.92	k 2.130	k 5.842	1.367	k .2223
#3	88.47	k 3.617	k 6.173	1.687	k .2306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-2-a Acquired: 1/25/2011 17:25:56 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .7670	k 30.19
Stddev	.5643	.11
%RSD	73.58	.3788
#1	k 1.250	k 30.09
#2	k .1467	k 30.17
#3	k .9044	k 30.31
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	607.99	6094.2	5417.4	4542.6
Stddev	2.87	21.0	23.8	31.5
%RSD	.47221	.34419	.43919	.69409
#1	611.02	6115.1	5443.0	4559.5
#2	607.66	6073.1	5396.0	4506.2
#3	605.31	6094.5	5413.2	4562.1

Sample Name: 200-3445-h-3-a Acquired: 1/25/2011 17:31:00 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0248	3636.	k 3.692	k 24.50	k .5511
Stddev	.3717	75.	2.033	5.90	.4457
%RSD	1500.	2.064	55.05	24.07	80.87

#1	.1766	3693.	k 3.374	k 23.99	k .3809
#2	-.3988	3663.	k 1.838	k 18.88	k 1.057
#3	.2966	3551.	5.866	k 30.64	k .2156

Check ?
 High Limit
 Low Limit

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	12710.	k .0298	k .8954	k 22.63	k 8.928
Stddev	43.	.0660	.0461	.17	.696
%RSD	.3381	221.2	5.147	.7472	7.796

#1	12740.	k .0292	k .9279	k 22.59	k 9.708
#2	12740.	k .0961	k .9157	k 22.50	k 8.370
#3	12660.	k -.0358	k .8427	k 22.82	k 8.707

Check ?
 High Limit
 Low Limit

Sample Name: 200-3445-h-3-a Acquired: 1/25/2011 17:31:00 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 520.5	18270.	3061.	F 729.6	19790.
Stddev	7.8	96.	22.	1.3	101.
%RSD	1.467	.5272	.7276	.1789	.5099

#1	k 521.3	18360.	3040.	728.2	19890.
#2	k 527.7	18290.	3085.	730.7	19690.
#3	k 512.5	18170.	3057.	730.0	19780.

Check ?
 High Limit
 Low Limit

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 132.8	k 3.229	k 1.851	k -1.699	k -.0116
Stddev	.3	.481	2.741	3.259	.4672
%RSD	.2387	14.91	148.0	191.8	4043.

#1	k 133.0	k 3.603	k 1.834	k -4.293	k .5135
#2	k 132.4	k 2.686	k 4.600	k -2.764	k -.1667
#3	k 133.0	k 3.397	k -.8810	k 1.959	k -.3814

Check ?
 High Limit
 Low Limit

Sample Name: 200-3445-h-3-a Acquired: 1/25/2011 17:31:00 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 6.477	k 20.91
Stddev	.371	.14
%RSD	5.725	.6752

#1	k 6.049	k 20.98
#2	k 6.712	k 20.75
#3	k 6.668	k 21.01

Check ?
 High Limit
 Low Limit

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	618.28	6127.8	5451.8	4584.3
Stddev	1.61	35.7	16.0	9.3
%RSD	.26093	.58331	.29315	.20324

#1	618.52	6167.5	5453.1	4594.1
#2	619.76	6098.1	5467.1	4583.3
#3	616.56	6117.8	5435.3	4575.5

Sample Name: 200-3445-h-4-a Acquired: 1/25/2011 17:35:56 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-9940	1327.	k -.6126	90.80	k .3722
Stddev	.2668	38.	2.244	3.22	.2371
%RSD	26.84	2.879	366.2	3.542	63.70

#1	-6866	1367.	k -3.128	87.11	k .4506
#2	-1.130	1326.	k 1.181	92.95	k .5601
#3	-1.165	1290.	k .1099	92.36	k .1058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	13130.	k .0718	k .0000	k 90.41	k 1.687
Stddev	54.	.0468	.168	.25	.459
%RSD	.4131	65.14	945100.	.2780	27.19

#1	13080.	k .0767	k -.0012	k 90.19	k 1.961
#2	13110.	k .1160	k .1688	k 90.68	k 1.944
#3	13190.	k .0228	k -.1677	k 90.35	k 1.158

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-4-a Acquired: 1/25/2011 17:35:56 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	179.0	17350.	6266.	F 9521.	16690.
Stddev	6.8	145.	59.	67.	35.
%RSD	3.798	.8328	.9412	.7037	.2116

#1	185.3	17180.	6198.	9525.	16650.
#2	179.8	17440.	6300.	9585.	16720.
#3	171.8	17420.	6299.	9452.	16690.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				480.0	
Low Limit				-15.00	

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	95.45	k 1.620	k 2.367	1.664	k -1.789
Stddev	.26	2.235	1.254	1.288	1.061
%RSD	.2723	137.9	52.96	77.43	59.30

#1	95.16	k .2731	k 1.058	3.033	k -2.364
#2	95.66	k .3879	k 2.485	.4762	k -2.438
#3	95.53	k 4.200	k 3.557	1.482	k -.5648

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-4-a Acquired: 1/25/2011 17:35:56 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	k .8773	k 59.84
Stddev	.7126	.16
%RSD	81.23	.2646

#1	k .5487	k 59.72
#2	k .3883	k 60.02
#3	k 1.695	k 59.78

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	615.46	6134.3	5438.6	4605.4
Stddev	3.56	32.2	20.7	29.1
%RSD	.57814	.52560	.38041	.63295

#1	618.48	6125.6	5458.7	4581.6
#2	616.37	6107.4	5439.9	4637.9
#3	611.54	6170.0	5417.3	4596.6

Sample Name: 200-3445-h-5-a Acquired: 1/25/2011 17:41:00 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.335	2402.	k 1.468	66.90	k .5759
Stddev	.430	32.	1.549	5.58	.2678
%RSD	32.23	1.341	105.5	8.345	46.50

#1	-1.328	2369.	k .0252	73.20	k .8324
#2	-1.768	2403.	k 1.275	62.57	k .2981
#3	-.9078	2434.	k 3.104	64.93	.5971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	20100.	k .0484	k -.0223	k 135.2	k 1.146
Stddev	66.	.2643	.0429	.4	.632
%RSD	.3257	546.0	192.2	.3151	55.18

#1	20030.	-.1172	-.0087	k 135.0	1.033
#2	20120.	k -.0907	k .0121	k 135.0	k 1.826
#3	20160.	k .3532	k -.0704	135.7	.5774

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-5-a Acquired: 1/25/2011 17:41:00 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 26.39	22570.	8814.	F 13650.	25310.
Stddev	14.86	118.	123.	198.	81.
%RSD	56.30	.5231	1.391	1.452	.3195

#1	k 23.44	22480.	8810.	13790.	25230.
#2	k 42.51	22520.	8694.	13420.	25300.
#3	k 13.23	22700.	8939.	13740.	25390.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				480.0	
Low Limit				-15.00	

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.060 (472)	180.856 (477)
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	18.91	k -.9882	k 3.518	k 1.845	k -1.215
Stddev	.27	.7538	2.692	2.233	.639
%RSD	1.438	77.28	76.53	121.0	52.65

#1	18.72	k -.1076	k 2.324	k 4.342	k -.4840
#2	18.79	k -1.469	k 6.601	k .0381	k -1.487
#3	19.22	k -1.388	k 1.629	k 1.156	k -1.672

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-5-a Acquired: 1/25/2011 17:41:00 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	k -.1072	k 32.10
Stddev	.4246	.11
%RSD	396.0	.3342

#1	k -.5927	k 32.20
#2	k .1953	k 31.99
#3	k .0758	k 32.11

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	612.48	6069.2	5427.3	4526.9
Stddev	3.22	33.4	14.9	23.2
%RSD	.52592	.54969	.27363	.51259

#1	612.08	6040.1	5432.9	4549.6
#2	615.89	6105.6	5438.5	4503.3
#3	609.49	6061.9	5410.4	4527.7

Sample Name: 200-3445-e-6-a Acquired: 1/25/2011 17:46:04 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Be-LL	Be-LL
Line	328.068 {103}2	396.152 {85}	189.042 {479}	233.527 {144}	313.042 {109}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.124	2410.	k -.8974	70.48	k .6362
Stddev	.305	32.	5509	6.60	.1732
%RSD	27.11	1.347	61.39	9.366	27.23

#1	-1.309	2374.	k -.2720	64.75	k .5694
#2	-.7724	2437.	k -.1311	68.98	k .5062
#3	-1.292	2419.	k -.1109	77.70	k .8328

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	20680.	k .2520	k .0310	k 137.6	1.285
Stddev	39.	.0774	.4389	.2	.930
%RSD	.1857	30.69	1417.	.1694	72.35

#1	20680.	k .1658	k -.4493	k 137.3	8623
#2	20720.	k .3154	k .1312	k 137.5	6420
#3	20650.	k .2750	k .4110	k 137.8	2.351

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-e-6-a Acquired: 1/25/2011 17:46:04 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 {44}	279.079 {121}	257.610 {131}2	589.592 {57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 24.34	23040.	8950.	F 14030.	25850.
Stddev	8.71	249.	86.	146.	189.
%RSD	35.76	1.082	.9599	1.038	.7305

#1	k 32.06	22810.	8857.	14010.	25680.
#2	k 14.91	23010.	8965.	13900.	25820.
#3	k 26.04	23300.	9027.	14190.	26050.

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	19.95	k .4433	k 1.346	k 2.702	k -3.087
Stddev	.58	.9461	1.656	1.605	1.822
%RSD	2.901	213.4	123.0	59.39	59.03

#1	20.62	k 1.088	k .4505	k 2.707	k -4.302
#2	19.61	k -.6428	k .3301	k 4.304	k -.9919
#3	19.62	k .8844	k 3.256	k 1.095	k -3.967

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-e-6-a Acquired: 1/25/2011 17:46:04 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V_-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb
Avg	k .8588	k 7.777
Stddev	.2825	.038
%RSD	32.89	.4939

#1	k 1.104	k 7.793
#2	k .5501	k 7.804
#3	k .9219	k 7.733

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_-LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 {91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	611.97	6094.6	5431.4	4537.9
Stddev	3.38	19.8	25.6	51.4
%RSD	.55282	.32509	.47221	1.1323

#1	615.43	6117.4	5447.9	4578.7
#2	611.83	6082.1	5444.5	4554.7
#3	608.67	6084.2	5401.9	4480.2

Sample Name: 200-3445-e-7-a Acquired: 1/25/2011 17:51:06 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-3037	-17.87	-2178	k 11.74	k .3262
Stddev	.3768	15.23	1.892	10.60	.2517
%RSD	124.1	85.24	888.4	90.33	77.17
#1	.0682	-7.862	-1.316	k 11.62	k .4500
#2	-.2940	-10.35	-1.305	1.193	k .0366
#3	-.6853	-35.40	1.966	k 22.39	k .4920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	19.12	k -.0963	k -.0841	k -.0354	10.19
Stddev	39.07	.1433	.5072	.0941	.33
%RSD	204.4	148.7	602.8	265.6	3.245
#1	61.06	k .0217	k -.6626	k -.0535	10.04
#2	12.53	k -.0549	.2843	k .0664	9.961
#3	-16.24	k -.2558	k .1259	k -.1192	10.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-e-7-a Acquired: 1/25/2011 17:51:06 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.480 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k -1.771	12.95	k -13.12	3.717	4.063
Stddev	3.343	87.09	20.84	.356	19.74
%RSD	188.7	672.6	158.8	9.586	485.9
#1	k -3.568	14.29	k 10.49	3.420	20.16
#2	k 2.086	99.36	-20.91	4.112	9.987
#3	k -3.832	-74.80	-28.94	3.618	-17.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.415	k .2788	k 1.715	k .2620	k 1.040
Stddev	.458	.8904	1.181	.5856	.263
%RSD	32.35	319.4	68.88	223.5	25.32
#1	-1.618	k .8567	k 1.869	k -.3681	k .7456
#2	-.8913	k -.7466	k .4643	k .7897	k 1.253
#3	-1.737	k .7263	k 2.812	.3644	k 1.121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-e-7-a Acquired: 1/25/2011 17:51:06 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .5985	k .7802
Stddev	.3560	.0753
%RSD	59.48	9.647
#1	k .8367	k .7747
#2	k .1893	k .7079
#3	k .7694	k .8581
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	649.79	6198.5	5524.0	4596.1
Stddev	4.06	10.2	25.6	36.7
%RSD	.62480	.16535	.46349	.79911
#1	653.91	6194.8	5548.3	4622.8
#2	649.67	6190.6	5526.4	4611.2
#3	645.79	6210.1	5497.3	4554.2

Sample Name: CCV Acquired: 1/25/2011 17:56:02 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	155.3	3202.	159.1	k 3111.	k 77.71
Stddev	.7	50.	.1	29.	.62
%RSD	.4213	1.564	.0920	.9321	.7942
#1	154.9	3152.	159.2	k 3134.	k 77.23
#2	154.9	3202.	159.1	k 3078.	k 77.49
#3	156.0	3252.	159.9	k 3120.	k 78.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ca-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb
Avg	39440.	k 79.38	k 809.2	k 396.4
Stddev	124.	.17	1.3	1.7
%RSD	.3141	.2129	.1603	.4409
#1	39360.	k 79.23	k 810.0	k 396.8
#2	39380.	k 79.35	k 807.7	k 394.5
#3	39580.	k 79.56	k 809.8	k 397.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Sample Name: CCV Acquired: 1/25/2011 17:56:02 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 1688.	39640.	39590.	237.9	39510.
Stddev	11.	375.	224.	.4	295.
%RSD	.6558	.9454	.6647	.1729	.7453
#1	k 1698.	39460.	39460.	238.2	39370.
#2	k 1676.	39390.	39470.	237.4	39320.
#3	k 1691.	40080.	39850.	238.0	39850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	195.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	646.0	k 156.0	k 930.7	k 283.4	k 396.1
Stddev	1.1	2.1	14.4	1.1	1.0
%RSD	.1656	1.375	1.544	.4054	.2421
#1	645.1	k 157.4	k 914.8	k 282.1	k 397.1
#2	645.7	k 157.1	k 934.5	k 284.3	k 396.1
#3	647.2	k 153.6	k 942.8	k 283.8	k 395.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Sample Name: CCV Acquired: 1/25/2011 17:56:02 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 788.9	k 959.3
Stddev	2.0	1.4
%RSD	.2446	.1420
#1	k 799.6	k 958.3
#2	k 795.7	k 958.7
#3	k 800.4	k 960.9
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	572.40	5844.6	5216.3	4434.3
Stddev	2.75	9.7	28.2	43.2
%RSD	.48027	.16603	.54000	.97361
#1	570.57	5849.2	5208.4	4420.5
#2	575.56	5851.1	5247.6	4482.7
#3	571.08	5833.4	5193.0	4399.8

Sample Name: CCB Acquired: 1/25/2011 18:00:52 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Ba-LL
Line	328.068 (103)2	395.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.1150	-16.84	.8807	k 9.466	k .1195
Stddev	.3745	32.49	1.631	5.136	.1019
%RSD	325.7	192.9	185.2	54.26	85.31
#1	.1077	-43.86	2.763	6.039	k .1710
#2	.0947	-25.88	-.1045	k 15.37	k .0021
#3	-.5473	19.21	-.0164	k 6.988	k .1854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	86.41	k -.0789	k .4519	k .0764	.2932
Stddev	42.95	.1857	.1501	.2208	.3433
%RSD	49.70	235.4	33.22	289.1	117.1
#1	41.01	k -.1643	k .3341	k -.0992	.2799
#2	91.83	k -.2055	k .4006	k .0041	.6430
#3	126.4	.1341	k .6209	.3243	-.0432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 1/25/2011 18:00:52 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	765.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k -4.915	-36.39	26.23	.4856	2.922
Stddev	5.317	60.25	36.85	.3424	20.69
%RSD	128.5	165.6	140.5	70.51	708.1
#1	k -3.957	-26.79	50.42	.1704	9.044
#2	k -11.66	-100.9	44.46	.4365	-20.14
#3	k .8679	18.49	-16.18	.8500	19.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2060	k .5270	k 11.03	-.4649	k .0075
Stddev	.5908	.5711	1.83	.9055	1.318
%RSD	286.8	108.4	16.62	194.8	17710.
#1	.7244	k .5851	k 12.38	.2910	k .3489
#2	-.4372	k -.0709	k 11.77	-1.468	k 1.122
#3	.3309	k 1.067	k 8.946	-2.173	k -1.449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 1/25/2011 18:00:52 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .1274	k .2323
Stddev	.7586	.1955
%RSD	595.7	84.18
#1	k -.3667	k .0691
#2	k -.2521	k .1787
#3	k 1.001	k .4490
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	631.46	6070.7	5362.9	4435.8
Stddev	.73	19.7	13.1	11.1
%RSD	.11588	.32462	.24370	.25107
#1	632.05	6078.6	5354.9	4431.0
#2	630.65	6085.2	5378.0	4427.9
#3	631.68	6048.2	5355.8	4448.6

Sample Name: 200-3445-h-1-a@100 Acquired: 1/25/2011 18:05:48 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1841	-4.084	-6317	k 3.509	k -1577
Stddev	.0831	10.82	1.398	13.21	.4392
%RSD	45.16	265.1	221.3	376.6	278.5
#1	-0949	-16.48	-1202	k 15.86	k .3417
#2	-1981	.6980	4386	-10.43	k -4839
#3	-.2594	3.527	-2.213	k 5.095	k -3308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	198.5	k .0595	k -1830	k 1.558	-1851
Stddev	57.4	.0923	.3418	.309	.2681
%RSD	28.93	155.0	186.8	19.87	162.4
#1	205.4	k -.0263	k -.4915	k 1.378	-.0645
#2	252.2	k .1571	k .1845	k 1.915	-4690
#3	137.9	k .0479	k -.2418	k 1.380	.0381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-1-a@100 Acquired: 1/25/2011 18:05:48 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 2.297	232.6	112.5	141.6	263.1
Stddev	5.089	83.8	41.2	.1	21.3
%RSD	221.6	36.04	36.64	.0533	8.098
#1	k -2.064	273.4	106.4	141.6	261.1
#2	k 1.066	136.2	156.5	141.5	242.8
#3	k 7.888	288.2	74.72	141.7	285.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1624	k -.4379	k 2.655	k 1.556	k .7555
Stddev	1.530	.8839	1.625	2.725	1.285
%RSD	942.1	201.8	61.20	175.2	170.1
#1	-1.802	k .5629	k 3.037	k .7617	k 1.990
#2	1.228	k -1.112	k 4.056	k 4.589	k -.5742
#3	.0865	k -.7549	k .8735	k -.6844	k .8508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-1-a@100 Acquired: 1/25/2011 18:05:48 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .3183	k .7142
Stddev	.6555	.0198
%RSD	205.9	2.772
#1	k -.3265	k .7115
#2	k .2973	k .6960
#3	k .9840	k .7353
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	634.30	6105.0	5444.1	4511.8
Stddev	1.47	20.0	22.4	21.6
%RSD	.23237	.32884	.41169	.47903
#1	633.70	6084.6	5431.6	4505.0
#2	635.98	6105.9	5470.0	4494.4
#3	633.22	6124.5	5430.8	4536.0

Sample Name: 200-3445-h-1-a SD@500 Acquired: 1/25/2011 18:10:44 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1034	-45.78	-1.470	k 14.07	k .1951
Stddev	.7210	19.60	3.266	7.24	.1761
%RSD	697.4	42.82	222.2	51.45	90.26

#1	-.9360	-53.01	-2.078	k 8.392	k .3784
#2	.3141	-60.75	2.058	11.59	.1799
#3	.3117	-23.59	-4.389	k 22.22	k .0271

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	42.45	k -.1388	k -.4093	k .3158	.5278
Stddev	31.37	.1069	.2614	.1611	.7331
%RSD	73.90	77.04	63.86	51.02	127.5

#1	58.33	k -.2428	k -.6367	k .3057	.7590
#2	62.71	k -.0292	k -.4674	.4818	1.055
#3	6.314	k -.1442	k -.1237	k .1600	-.2304

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-1-a SD@500 Acquired: 1/25/2011 18:10:44 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k -6.121	-1.166	k 4.564	29.86	8.643
Stddev	3.450	146.5	25.98	.09	23.13
%RSD	56.37	12570.	569.3	.2871	267.6

#1	k -10.10	-167.7	k 11.32	29.78	34.35
#2	k -4.250	107.5	-24.13	29.95	2.042
#3	k -4.010	56.69	26.50	29.85	-10.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3764	k .0829	k 1.527	k .6698	k -.1475
Stddev	.7383	1.076	1.396	1.585	1.575
%RSD	196.1	1298.	91.41	236.6	1068.

#1	.6299	k 1.263	k .8263	k 2.384	k 1.386
#2	.9546	k -.1708	k .6203	k .3675	k -.0673
#3	-.4553	k -.8432	k 3.135	k -.7418	k -1.761

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-1-e SD@500 Acquired: 1/25/2011 18:10:44 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k -.6661	k .6301
Stddev	.7385	.0631
%RSD	110.9	10.02

#1	k -1.449	k .6685
#2	k .0181	k .5573
#3	k -.5675	k .6647

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	631.11	5077.2	5384.5	4454.7
Stddev	.94	8.3	25.3	28.7
%RSD	.14835	.13718	.46948	.64365

#1	631.58	6068.1	5413.6	4450.9
#2	631.72	6079.3	5371.0	4485.1
#3	630.03	6084.3	5368.8	4428.1

Sample Name: 200-3445-h-2-a@10 Acquired: 1/25/2011 18:15:39 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 {103}2	396.152 {85}	189.042 {479}	233.527 {144}	313.042 {108}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0174	317.0	k -.9428	k 13.66	k .2071
Stddev	.5667	29.0	2.324	10.17	.2694
%RSD	3251.	9.134	246.5	74.43	130.1

#1	.2421	339.9	k -3.506	k 20.31	k -.0429
#2	.4374	284.4	-3491	1.956	k .4924
#3	-.6271	326.6	1.027	18.71	k .1716

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}	324.754 {104}2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2132.	k .1288	k .0132	k 14.28	k -.5470
Stddev	58.	.1482	.0650	.31	.4429
%RSD	2.717	115.1	492.5	2.197	80.98

#1	2192.	k .0905	k .0288	k 13.95	-.1978
#2	2126.	k .2925	k -.0582	k 14.57	k -1.045
#3	2077.	k .0035	k .0689	k 14.33	-3979

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-2-a@10 Acquired: 1/25/2011 18:15:39 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 {124}2	766.490 {44}	279.079 {121}	257.610 {131}2	589.592 {57}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 27.26	1478.	968.4	267.3	2784.
Stddev	2.44	76.	93.8	.5	5.
%RSD	8.961	5.165	9.690	.1711	.1824

#1	k 25.38	1499.	1042.	267.5	2780.
#2	k 30.02	1393.	862.8	267.6	2783.
#3	k 26.38	1542.	1000.	266.7	2790.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 {445}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	9.069	k .3323	k -.4022	k 1.577	k .0546
Stddev	.173	.1620	2.467	1.112	1.025
%RSD	1.908	48.77	613.3	70.54	1879.

#1	9.139	k .4655	k -2.460	k .6868	k 1.208
#2	8.872	k .3794	k 2.332	k 2.824	k -.2926
#3	9.196	k .1519	k -1.079	k 1.220	k -.7521

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-2-a@10 Acquired: 1/25/2011 18:15:39 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2
Line	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k -.2321	k 3.525
Stddev	.3479	.077
%RSD	149.9	2.190

#1	k -.4827	k 3.601
#2	k -.3787	k 3.446
#3	k .1651	k 3.529

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 {446}	224.306 {150}	224.306 {450}	371.030 {91}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	636.25	6117.5	5453.8	4498.6
Stddev	2.38	15.8	18.9	29.3
%RSD	.37378	.25858	.34677	.65106

#1	637.60	6100.5	5472.4	4497.8
#2	637.63	6120.0	5454.3	4528.2
#3	633.50	6131.9	5434.6	4469.7

Sample Name: 200-3445-h-3-a@10 Acquired: 1/25/2011 18:20:35 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-2034	349.0	1.264	k 4.865	k -.0218
Stddev	.5804	54.5	1.396	6.035	.2509
%RSD	285.4	15.61	110.5	124.0	1152.

#1 .2413 332.2 2.420 k 5.617 k -2912
 #2 -.8600 304.9 1.658 k -1.510 k .0207
 #3 .0085 410.0 -.2869 k 10.49 k .2051

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.562 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1330.	k .0076	k .4227	k 2.333	k .1196
Stddev	.76	.0112	.1469	.105	1.050
%RSD	5.720	147.9	34.75	4.516	877.9

#1 1260. k .0206 k .3806 k 2.454 k 1.330
 #2 1411. k .0010 k .3015 k 2.280 k -.5408
 #3 1318. k .0013 k .5861 k 2.265 k -.4305

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: 200-3445-h-3-a@10 Acquired: 1/25/2011 18:20:35 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 48.41	1827.	296.1	75.00	2046.
Stddev	2.78	54.	76.3	.19	7.
%RSD	5.744	2.970	25.78	.2475	.3218

#1 k 51.38 1890. 364.0 74.87 2042.
 #2 k 45.88 1797. 310.7 74.91 2053.
 #3 k 47.96 1794. 213.5 75.21 2042.

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.804 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	14.10	k 1.310	k 1.830	k -1.390	k -.9368
Stddev	1.23	1.505	1.645	3.826	.5501
%RSD	8.743	114.9	89.93	275.3	58.72

#1 13.04 k -.3344 k .8199 k 2.937 k -.6315
 #2 15.45 k 2.618 k 3.729 k -4.327 k -1.572
 #3 13.81 k 1.645 k .9409 k -2.780 k -.6070

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: 200-3445-h-3-a@10 Acquired: 1/25/2011 18:20:35 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V_-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .6710	k 2.571
Stddev	.4710	.071
%RSD	70.19	2.768

#1 k .4738 k 2.530
 #2 k 1.209 k 2.529
 #3 k .3307 k 2.653

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	638.69	6126.5	5434.6	4515.4
Stddev	3.53	9.2	40.5	32.6
%RSD	.55193	.15088	.74564	.72181

#1 641.21 6135.9 5453.5 4532.6
 #2 640.20 6117.4 5462.2 4535.7
 #3 634.66 6126.1 5388.1 4477.8

Sample Name: 200-3445-h-4-a@50 Acquired: 1/25/2011 18:25:31 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1763	.4770	k -.1500	8.091	k .2181
Stddev	.2589	16.75	2.970	7.339	.1867
%RSD	146.8	3511.	1981.	90.70	85.61
#1	.4273	-9.368	2.732	7.152	k .0849
#2	-.0898	-9.013	k -.3.201	15.85	.1379
#3	.1915	19.81	.0190	1.267	.4315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	258.8	k -.2615	k -.1341	k 1.761	.2719
Stddev	86.3	.1626	.0990	.069	.6278
%RSD	33.36	62.17	73.85	3.895	230.9
#1	277.1	k -.0821	k -.2121	k 1.693	.5278
#2	334.4	k -.3991	k -.0227	1.760	.7312
#3	164.7	-.3032	-.1674	1.830	-.4435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-4-a@50 Acquired: 1/25/2011 18:25:31 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 4.610	395.4	150.5	204.6	329.8
Stddev	15.38	74.1	33.1	.4	9.2
%RSD	333.7	18.74	22.01	.1990	2.794
#1	k -13.07	370.8	122.2	205.1	340.4
#2	k 11.93	478.6	186.9	204.6	323.8
#3	k 14.96	336.7	142.3	204.3	325.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.080 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.145	k -.4146	k .4377	k 1.130	k .3980
Stddev	.201	1.445	1.334	2.893	1.336
%RSD	6.385	348.5	304.7	256.0	335.6
#1	3.125	k -1.546	k 1.861	k 4.274	k .6773
#2	2.955	k 1.213	k -.7826	k .1.419	k -1.055
#3	3.356	k -.9115	k .2345	k .5349	k 1.572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-4-a@50 Acquired: 1/25/2011 18:25:31 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k .0544	k 1.842
Stddev	.1863	.125
%RSD	342.3	6.786
#1	k .2559	k 1.904
#2	k .0192	k 1.925
#3	k -.1118	k 1.699
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.608 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	637.75	6147.6	5451.1	4494.5
Stddev	.46	13.2	14.2	25.6
%RSD	.07263	.21409	.26085	.57014
#1	638.08	6146.5	5449.9	4466.5
#2	637.96	6135.0	5465.8	4516.7
#3	637.22	6161.3	5437.5	4500.3

Sample Name: 200-3445-h-5-a@100 Acquired: 1/25/2011 18:30:29 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-HL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0427	20.69	-1.131	k 8.153	k -.1080
Stddev	.8925	16.12	.338	8.559	.3786
%RSD	2092.	77.91	29.88	105.0	350.6
#1	-.6390	8.138	-1.467	k 16.68	k -.5052
#2	1.053	15.07	-.7914	-.4392	k .2487
#3	-.2858	38.87	-1.134	8.221	k -.0674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-HL	Cd-HL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	233.5	k -.0035	k -.4024	k 1.488	-.1880
Stddev	103.8	.1449	.2362	.114	.3339
%RSD	44.43	4091.	58.68	7.644	177.6
#1	196.5	k -.0583	k -.3527	k 1.552	.1755
#2	350.7	k .1607	-.6595	k 1.555	-.2585
#3	153.4	k -.1131	k -.1951	k 1.356	-.4810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-5-a@100 Acquired: 1/25/2011 18:30:29 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k -.7860	356.5	109.9	152.9	281.6
Stddev	4.227	41.3	31.7	.2	16.5
%RSD	537.8	11.58	28.86	.1127	5.872
#1	k .8287	389.9	110.9	152.8	262.8
#2	k 2.396	369.3	141.2	153.1	287.9
#3	k -5.583	310.4	77.72	152.8	294.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4037	k .6183	k -.1859	k 2.385	k .2855
Stddev	.5873	.6249	.0977	1.607	.1874
%RSD	145.5	101.1	52.57	67.38	65.63
#1	-.4127	k 1.217	k -.2985	k 1.606	k .4583
#2	.1881	k -.0296	k -.1236	k 1.317	k .0864
#3	-.9864	k .6672	k -.1356	k 4.234	k .3118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-h-5-a@100 Acquired: 1/25/2011 18:30:29 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k -.4085	k 1.050
Stddev	.1541	.061
%RSD	37.71	5.781
#1	k -.5536	k 1.119
#2	k -.4251	k 1.029
#3	k -.2468	k 1.003
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	636.81	6124.4	5438.8	4473.9
Stddev	1.37	22.9	21.4	10.5
%RSD	.21581	.37425	.39307	.23409
#1	637.05	6139.3	5452.9	4462.7
#2	638.05	6136.0	5449.2	4475.5
#3	635.33	6098.0	5414.2	4483.5

Sample Name: 200-3445-e-6-a@100 Acquired: 1/25/2011 18:35:25 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-0.0435	-9.578	-1.577	k 7.300	k .0545
Stddev	.6467	29.20	.333	3.890	.1451
%RSD	1486.	304.9	21.10	53.29	266.2
#1	.5576	17.56	-1.816	10.39	.2172
#2	.0396	-5.812	-1.197	k 2.930	k .0080
#3	-.7278	-40.48	-1.717	k 8.585	k -.0616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					
Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	241.9	k -.0189	k -.1401	k 1.307	.0832
Stddev	47.8	.1166	.3864	.192	.6197
%RSD	19.77	616.9	275.8	14.65	745.2
#1	297.0	k -.1508	k -.5724	1.510	.4461
#2	218.0	k .0236	k -.0200	k 1.283	-.6324
#3	210.8	k .0705	k .1720	k 1.129	.4358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-e-6-a@100 Acquired: 1/25/2011 18:35:25 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 3.305	180.3	126.1	158.8	273.7
Stddev	3.982	38.8	40.2	.3	37.9
%RSD	120.5	21.55	31.87	.1794	13.83
#1	k 5.868	167.6	172.4	159.1	282.1
#2	k 5.329	149.4	99.45	158.8	306.7
#3	k -1.263	223.9	106.6	158.6	232.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					
Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.6992	k .3408	k -.1374	k -.3355	k .4286
Stddev	.1697	.3908	.9912	.6846	.7230
%RSD	24.27	114.7	721.5	204.0	168.7
#1	-.8695	k .5800	k 1.007	k .1212	k -.0576
#2	-.5301	k -.1101	k -.6888	k -.1.123	k .0840
#3	-.6980	k .5526	k -.7303	k -.0051	k 1.259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: 200-3445-e-6-a@100 Acquired: 1/25/2011 18:35:25 Type: Unk
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	V-LL	Zn-LL2		
Line	292.402 (115)2	213.856 (458)		
IS Ref	(Y_HWAX)	(Y_LWAX)		
Units	ppb	ppb		
Avg	k -.3649	k .8355		
Stddev	.3684	.0819		
%RSD	95.72	9.803		
#1	k .0250	k .9261		
#2	k -.6884	k .7667		
#3	k -.4911	k .8136		
Check ?	Chk Pass	Chk Pass		
High Limit				
Low Limit				
Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.608 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	636.97	6116.5	5429.7	4480.2
Stddev	3.34	22.9	19.6	37.5
%RSD	.52498	.37369	.36032	.83590
#1	638.25	6110.0	5425.8	4482.0
#2	639.49	6097.6	5450.9	4442.0
#3	633.18	6141.9	5412.4	4516.8

Sample Name: CCV Acquired: 1/25/2011 18:40:21 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	155.1	3229.	159.4	k 3130.	k 77.85
Stddev	.8	39.	2.3	9.	.13
%RSD	.5089	1.202	1.441	.2855	.1708
#1	156.1	3195.	157.5	k 3128.	k 77.83
#2	154.7	3271.	158.6	k 3122.	k 78.00
#3	154.7	3219.	161.9	k 3140.	k 77.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.516 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	39730.	k 79.11	k 808.6	k 158.9	k 395.2
Stddev	93.	.25	1.5	.2	1.3
%RSD	.2339	.3217	.1819	.1462	.3194
#1	39630.	k 79.05	k 810.1	k 159.1	k 396.6
#2	39770.	k 79.39	k 807.1	k 158.9	k 394.2
#3	39800.	k 78.90	k 808.7	k 158.6	k 394.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Sample Name: CCV Acquired: 1/25/2011 18:40:21 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 1693.	39520.	39930.	237.0	39740.
Stddev	14.	158.	242.	.3	160.
%RSD	.8280	.4256	.6049	.1167	.4026
#1	k 1709.	39330.	39730.	237.3	39570.
#2	k 1684.	39580.	39870.	236.9	39790.
#3	k 1685.	39640.	40200.	236.9	39880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	649.0	k 156.8	k 930.2	k 283.5	k 393.7
Stddev	.8	2.6	12.6	2.2	2.8
%RSD	.1291	1.675	1.357	.7916	.7075
#1	648.5	k 159.3	k 918.6	k 282.9	k 396.8
#2	648.5	k 157.1	k 928.4	k 281.6	k 393.0
#3	649.9	k 154.1	k 943.6	k 286.0	k 391.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Sample Name: CCV Acquired: 1/25/2011 18:40:21 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCV

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k 801.2	k 961.9
Stddev	2.1	.6
%RSD	.2655	.0643
#1	k 803.6	k 962.4
#2	k 799.9	k 961.2
#3	k 799.9	k 962.1
Check ?	Chk Pass	Chk Pass
Value Range		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	571.92	5815.5	5200.3	4394.3
Stddev	.26	11.0	13.7	14.2
%RSD	.04560	.18662	.26396	.32337
#1	572.09	5824.9	5215.4	4409.0
#2	571.62	5803.4	5196.9	4380.6
#3	572.05	5818.3	5188.6	4393.2

Sample Name: CCB Acquired: 1/25/2011 18:45:12 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	Ag-LL	Al-LL	As-LL	Ba-LL	Be-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	233.527 (144)	313.042 (108)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_LWAX)	(Y_HWRD)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-0.0300	27.14	-7066	k 6.140	k .0010
Stddev	.4893	35.95	1.335	5.200	.0410
%RSD	1633.	132.5	188.9	84.68	4039.
#1	-2825	-12.45	.3103	k .9045	k .0158
#2	.5340	36.12	-2.117	k 11.30	k -.0453
#3	-.3414	57.75	-2.218	k 6.213	k .0326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ca-LL	Cd-LL	Co-LL	Cr-LL	Cu-LL
Line	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)	324.754 (104)2
IS Ref	(Y_HWRD)	(Y_LWAX)	(Y_LWAX)	(Y_LWAX)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	8.842	k -.1565	k -.3898	k -.0683	-5024
Stddev	45.01	.2283	.3218	.1461	.7464
%RSD	509.1	145.9	82.56	213.9	148.6
#1	60.59	k -.4011	-.2246	k -.2312	.0173
#2	-21.23	k -.1195	k -.7606	.0515	-1.669
#3	-12.83	k .0510	k -.1841	k -.0253	-1.358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 1/25/2011 18:45:12 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	Fe-LL2	K-LL	Mg-LL	Mn-LL	Na-LL
Line	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2	589.592 (57)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 4.968	25.49	k 20.76	k .0715	-12.49
Stddev	1.120	108.7	12.16	.0788	15.22
%RSD	22.55	426.5	58.55	110.1	121.9
#1	k 3.726	122.7	k 19.95	k .1550	1.889
#2	k 5.278	-91.90	k 9.032	k -.0015	-28.42
#3	k 5.902	45.69	33.30	.0610	-10.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ni-LL	Pb-LL	Sb-LL	Se-LL	Ti-LL
Line	231.604 (445)	220.353 (453)	206.833 (463)	196.090 (472)	190.856 (477)
IS Ref	(Y_LWAX)	(In2306)	(Y_LWAX)	(Y_LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1211	k .6248	k 9.712	k -1.802	k .9996
Stddev	.8463	1.739	4.156	4.855	1.055
%RSD	698.9	278.3	42.79	269.4	105.5
#1	-.7453	k -.2947	k 14.38	-.9670	k -.0649
#2	.1629	k -.4611	k 8.357	2.581	k 1.020
#3	.9458	k 2.630	k 6.403	k -7.020	k 2.044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 1/25/2011 18:45:12 Type: QC
 Method: ISM1.2(v203) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment: CCB

Elem	V-LL	Zn-LL2
Line	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(Y_LWAX)
Units	ppb	ppb
Avg	k -.6150	k -.0248
Stddev	.3621	.0136
%RSD	58.88	54.91
#1	k -.8776	k -.0266
#2	k -.2019	k -.0104
#3	k -.7656	k -.0375
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_HWAX	Y_LWAX	Y_HWRD
Line	230.606 (446)	224.306 (150)	224.306 (450)	371.030 (91)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	634.46	6039.9	5347.0	4467.5
Stddev	4.19	29.1	28.1	23.6
%RSD	.65981	.48240	.52638	.52840
#1	635.62	6007.2	5362.2	4494.7
#2	637.94	6063.1	5364.3	4455.7
#3	629.82	6049.5	5314.5	4452.1

WinHg Database 1.4

File Utility Help

Protocol CV3 Dataset/Proto 090310A /CV3

Protocol Line info Cal Curve Report Ctrl Chart Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 4.73111e-5

C -5.99200e-2

Rho .999851

Type Linear

Include S1 Rep 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐

Rel. Abs. 211214

Accepted

New

Conc. 10.0

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.038	-.038	463	0	463		
02	.20000	.191	-.009	5312	0%	5312		
03	.50000	.477	-.023	11346	0%	11346		
04	1.0000	1.01	.006	22528	0%	22527		
05	5.0000	5.13	.131	109721	0%	109720		
06	10.000	9.93	-.067	211215	0%	211214		

Ready

CAP NUM

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 1448		11:50:20 26 Jan 11		HG
Hg	.000	ppb	463					
*** Standard: 2 Rep: 1				Seq: 1449		11:52:17 26 Jan 11		HG
Hg	.200	ppb	5312					
*** Standard: 3 Rep: 1				Seq: 1450		11:54:13 26 Jan 11		HG
Hg	.500	ppb	11346					
*** Standard: 4 Rep: 1				Seq: 1451		11:56:08 26 Jan 11		HG
Hg	1.00	ppb	22527					
*** Standard: 5 Rep: 1				Seq: 1452		11:58:03 26 Jan 11		HG
Hg	5.00	ppb	109720					
*** Standard: 6 Rep: 1				Seq: 1453		11:59:57 26 Jan 11		HG
Hg	10.0	ppb	211214					
*** Sample ID: ICV			012611A	Seq: 1454		12:01:56 26 Jan 11		HG
Hg	4.17	ppb	89376					
*** Sample ID: ICB			012611A	Seq: 1455		12:03:48 26 Jan 11		HG
Hg	-.041	ppb	398					
*** Sample ID: CCV			012611A	Seq: 1456		12:05:55 26 Jan 11		HG
Hg	5.23	ppb	111740					
*** Sample ID: CCB			012611A	Seq: 1457		12:07:48 26 Jan 11		HG
Hg	.015	ppb	1591					
*** Sample ID: MB12607			012611A	Seq: 1458		12:09:43 26 Jan 11		HG
Hg	-.032	ppb	588					
*** Sample ID: 3445H1B			012611A	Seq: 1459		12:11:36 26 Jan 11		HG
Hg	.165	ppb	4749					

12:13:34 26 Jan 2011

Folder: 090310A
Protocol: CV3

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Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 3445H2B			012611A	Seq: 1460	12:13:34 26 Jan 11			HG
Hg	.556	ppb	13026					
*** Sample ID: 3445H3B			012611A	Seq: 1461	12:15:28 26 Jan 11			HG
Hg	-.023	ppb	790					
*** Sample ID: 3445H4B			012611A	Seq: 1462	12:17:24 26 Jan 11			HG
Hg	.195	ppb	5395					
*** Sample ID: 3445H5B			012611A	Seq: 1463	12:19:18 26 Jan 11			HG
Hg	.091	ppb	3193					
*** Sample ID: 3445E6B			012611A	Seq: 1464	12:21:15 26 Jan 11			HG
Hg	.111	ppb	3614					
*** Sample ID: 3445E7B			012611A	Seq: 1465	12:23:11 26 Jan 11			HG
Hg	.026	ppb	1808					
*** Sample ID: CCV			012611A	Seq: 1466	12:25:04 26 Jan 11			HG
Hg	5.13	ppb	109713					
*** Sample ID: CCB			012611A	Seq: 1467	12:26:58 26 Jan 11			HG
Hg	.017	ppb	1627					

Metals Worksheet

Batch Number: 200-12588

Method: ISM01.2/ICP

Analyst: Sachs, Austin L

Date Open: Jan 25 2011 8:20AM

Batch End: Jan 25 2011 2:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Color Before	Color After	Clarity Before	Clarity After
MB~200-12588/1		ISM01.2/ICP,		100 mL	100 mL				
LCS~200-12588/2		ISM01.2/ICP,		100 mL	100 mL				
200-3445-H-1	MW-5	ISM01.2/ICP,	T	100 mL	100 mL	colorless	colorless	clear	clear
200-3445-H-2	MW-1	ISM01.2/ICP,	T	100 mL	100 mL	colorless	colorless	clear	clear
200-3445-H-3	MW-2	ISM01.2/ICP,	T	100 mL	100 mL	colorless	colorless	clear	clear
200-3445-H-4	MW-3	ISM01.2/ICP,	T	100 mL	100 mL	colorless	colorless	clear	clear
200-3445-H-5	MW-4	ISM01.2/ICP,	T	100 mL	100 mL	colorless	colorless	clear	clear
200-3445-E-6	MW-6	ISM01.2/ICP,	T	100 mL	100 mL	colorless	colorless	clear	clear
200-3445-E-7	FB 01202011	ISM01.2/ICP,	T	100 mL	100 mL	colorless	colorless	clear	clear

Metals Worksheet

Batch Number: 200-12588

Method: ISM01.2/ICP

Analyst: Sachs, Austin L

Date Open: Jan 25 2011 8:20AM

Batch End: Jan 25 2011 2:00PM

Lab ID	Client ID	Method Chain	Basis	MEISMOESLCS_0000 7
MB~200-12588/1		ISM01.2/ICP, ISM01.2/ICP		
LCS~200-12588/2		ISM01.2/ICP, ISM01.2/ICP		1.00 mL
200-3445-H-1	MW-5	ISM01.2/ICP, ISM01.2/ICP	T	
200-3445-H-2	MW-1	ISM01.2/ICP, ISM01.2/ICP	T	
200-3445-H-3	MW-2	ISM01.2/ICP, ISM01.2/ICP	T	
200-3445-H-4	MW-3	ISM01.2/ICP, ISM01.2/ICP	T	
200-3445-H-5	MW-4	ISM01.2/ICP, ISM01.2/ICP	T	
200-3445-E-6	MW-6	ISM01.2/ICP, ISM01.2/ICP	T	
200-3445-E-7	FB 01202011	ISM01.2/ICP, ISM01.2/ICP	T	

First Start time: 08.20

Hot Block ID number: 1

Oven, Bath or Block Temperature 1: 95 Degrees C

Oven, Bath or Block Temperature 2: na Degrees C

Lot # of hydrochloric acid: 073677

Lot # of Nitric Acid: 090107

Metals Worksheet

Batch Number: 200-12607

Method: ISM01.2/HG

Analyst: Sachs, Austin L

Date Open: Jan 25 2011 11:00AM

Batch End: Jan 26 2011 11:15AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Clarity Before	Clarity After	Color Before	Color After
IC~200-12607/1	S0			50 mL	50 mL				
IC~200-12607/2	S0.2			50 mL	50 mL				
IC~200-12607/3	S0.5			50 mL	50 mL				
IC~200-12607/4	S1			50 mL	50 mL				
IC~200-12607/5	S5			50 mL	50 mL				
IC~200-12607/6	S10			50 mL	50 mL				
ICV~200-12607/7	ICV	ISM01.2/HG,		50 mL	50 mL				
		ISM01.2/HG							
ICB~200-12607/8	ICB	ISM01.2/HG,		50 mL	50 mL				
		ISM01.2/HG							
CCV~200-12607/9	CCV	ISM01.2/HG,		50 mL	50 mL				
		ISM01.2/HG							
CCB~200-12607/10	CCB	ISM01.2/HG,		50 mL	50 mL				
		ISM01.2/HG							
MB~200-12607/11	PBW	ISM01.2/HG,		50 mL	50 mL				
		ISM01.2/HG							
200-3445-H-1	MW-5	ISM01.2/HG,	T	50 mL	50 mL	clear	clear	colorless	colorless
		ISM01.2/HG							
200-3445-H-2	MW-1	ISM01.2/HG,	T	50 mL	50 mL	clear	clear	colorless	colorless
		ISM01.2/HG							
200-3445-H-3	MW-2	ISM01.2/HG,	T	50 mL	50 mL	clear	clear	colorless	colorless
		ISM01.2/HG							
200-3445-H-4	MW-3	ISM01.2/HG,	T	50 mL	50 mL	clear	clear	colorless	colorless
		ISM01.2/HG							
200-3445-H-5	MW-4	ISM01.2/HG,	T	50 mL	50 mL	clear	clear	colorless	colorless
		ISM01.2/HG							
200-3445-E-6	MW-6	ISM01.2/HG,	T	50 mL	50 mL	clear	clear	colorless	colorless
		ISM01.2/HG							
200-3445-E-7	FB 01202011	ISM01.2/HG,	T	50 mL	50 mL	clear	clear	colorless	colorless
		ISM01.2/HG							

Metals Worksheet

Batch Number: 200-12607

Method: ISM01.2/HG

Analyst: Sachs, Austin L

Date Open: Jan 25 2011 11:00AM

Batch End: Jan 26 2011 11:15AM

Lab ID	Client ID	Method Chain	Basis	MEHGCCVw_00201	MEHGISMICVw_00018
IC~200-12607/1	S0				
IC~200-12607/2	S0.2			0.10 mL	
IC~200-12607/3	S0.5			0.25 mL	
IC~200-12607/4	S1			0.50 mL	
IC~200-12607/5	S5			2.50 mL	
IC~200-12607/6	S10			5.00 mL	
ICV~200-12607/7	ICV	ISM01.2/HG, ISM01.2/HG			5.00 mL
ICB~200-12607/8	ICB	ISM01.2/HG, ISM01.2/HG			
CCV~200-12607/9	CCV	ISM01.2/HG, ISM01.2/HG		2.50 mL	
CCB~200-12607/10	CCB	ISM01.2/HG, ISM01.2/HG			
MB~200-12607/11	PBW	ISM01.2/HG, ISM01.2/HG			
200-3445-H-1	MW-5	ISM01.2/HG, ISM01.2/HG	T		
200-3445-H-2	MW-1	ISM01.2/HG, ISM01.2/HG	T		
200-3445-H-3	MW-2	ISM01.2/HG, ISM01.2/HG	T		
200-3445-H-4	MW-3	ISM01.2/HG, ISM01.2/HG	T		
200-3445-H-5	MW-4	ISM01.2/HG, ISM01.2/HG	T		
200-3445-E-6	MW-6	ISM01.2/HG, ISM01.2/HG	T		
200-3445-E-7	FB 01202011	ISM01.2/HG, ISM01.2/HG	T		

Digestion Tube/Cup Lot #: 1008257

Hot Block ID number: 7+8

ID number of the thermometer: 74+100

Oven, Bath or Block Temperature 1: 95 Degrees C

Oven, Bath or Block Temperature 2: 95 Degrees C

Repitettor Volume Check: na

Temperature: na Celsius

Hydroxylamine Sulfate Lot Number: na

Hydroxylamine Hydrochloride Lot: +NaCL=088605

Lot # of hydrochloric acid: na

Lot # of Nitric Acid: 090103

NaCL Lot #: na

Potassium Persulfate Lot Number: 095460

Potassium Permanganate Lot Number: 094990

Sulfuric Acid Lot Number: 076598

Stannous Chloride Lot Number: 094911

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG No.: 200-3445-1
Project: Lawrence Aviation

Client Sample ID	Lab Sample ID
MW-5	200-3445-1
MW-1	200-3445-2
MW-2	200-3445-3
MW-3	200-3445-4
MW-4	200-3445-5

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	MW-5	Lab Sample ID:	200-3445-1
Lab Name:	TestAmerica Savannah	Job No.:	200-3445-1
SDG ID.:	200-3445-1		
Matrix:	Water	Date Sampled:	01/19/2011 14:00
Reporting Basis:	WET	Date Received:	01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	27.8	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	29.0	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	100	100	50.0	mg/L	U		100	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-5	Lab Sample ID: 200-3445-1
Lab Name: TestAmerica Savannah	Job No.: 200-3445-1
SDG ID.: 200-3445-1	
Matrix: Water	Date Sampled: 01/19/2011 14:00
Reporting Basis: WET	Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Alkalinity	37.3	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	1100	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.5	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-1	Lab Sample ID: 200-3445-2
Lab Name: TestAmerica Savannah	Job No.: 200-3445-1
SDG ID.: 200-3445-1	
Matrix: Water	Date Sampled: 01/20/2011 15:30
Reporting Basis: WET	Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	26.7	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	29.2	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	100	100	50.0	mg/L	U		100	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-1

Lab Sample ID: 200-3445-2

Lab Name: TestAmerica Savannah

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 15:30

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Alkalinity	43.2	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	267	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	7.5	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-2	Lab Sample ID: 200-3445-3
Lab Name: TestAmerica Savannah	Job No.: 200-3445-1
SDG ID.: 200-3445-1	
Matrix: Water	Date Sampled: 01/20/2011 18:00
Reporting Basis: WET	Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	16.3	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	16.4	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	1.7	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-2

Lab Sample ID: 200-3445-3

Lab Name: TestAmerica Savannah

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 18:00

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Alkalinity	37.8	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	213	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	28.5	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	MW-3	Lab Sample ID:	200-3445-4
Lab Name:	TestAmerica Savannah	Job No.:	200-3445-1
SDG ID.:	200-3445-1		
Matrix:	Water	Date Sampled:	01/20/2011 13:15
Reporting Basis:	WET	Date Received:	01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	15.4	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	16.5	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	100	100	50.0	mg/L	U		100	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-3

Lab Sample ID: 200-3445-4

Lab Name: TestAmerica Savannah

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 13:15

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Alkalinity	30.7	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	275	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	14.5	5.0		mg/L			1	SM 2540D

Client Sample ID:	MW-4	Lab Sample ID:	200-3445-5
Lab Name:	TestAmerica Savannah	Job No.:	200-3445-1
SDG ID.:	200-3445-1		
Matrix:	Water	Date Sampled:	01/20/2011 11:30
Reporting Basis:	WET	Date Received:	01/22/2011 08:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	26.0	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	27.7	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	100	100	50.0	mg/L	U		100	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-4

Lab Sample ID: 200-3445-5

Lab Name: TestAmerica Savannah

Job No.: 200-3445-1

SDG ID.: 200-3445-1

Matrix: Water

Date Sampled: 01/20/2011 11:30

Reporting Basis: WET

Date Received: 01/22/2011 08:50

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Alkalinity	39.0	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	341	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1
SDG No.: 200-3445-1
Analyst: CB Batch Start Date: 01/26/2011
Reporting Units: mg/L Analytical Batch No.: 192613

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	23:07	Chloride	48.5	50.0	97	90-110		Anion-4_00063
			Sulfate	48.8	50.0	98	90-110		Anion-4_00063
11	CCV	01:31	Chloride	48.5	50.0	97	90-110		Anion-4_00063
			Sulfate	48.6	50.0	97	90-110		Anion-4_00063
12	CCB	01:46	Chloride	5.0				U	
			Sulfate	5.0				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1
SDG No.: 200-3445-1
Analyst: TH Batch Start Date: 01/26/2011
Reporting Units: mg/L Analytical Batch No.: 192655

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	10:59	Total Organic Carbon	49.0	50.0	98	90-110		TOCCALSTD4_00024
15	CCV	15:13	Total Organic Carbon	49.4	50.0	99	90-110		TOCCALSTD4_00024
16	CCB	15:28	Total Organic Carbon	1.0				U	
22	CCV	16:50	Total Organic Carbon	49.4	50.0	99	90-110		TOCCALSTD4_00024
23	CCB	17:05	Total Organic Carbon	1.0				U	

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 200-3445-1

SDG No.: 200-3445-1

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 192613	Date: 01/26/2011 23:22						
300.0	MB 680-192613/2	Chloride	5.0	U	mg/L	5.0	5
300.0	MB 680-192613/2	Sulfate	5.0	U	mg/L	5.0	5
Batch ID: 192534	Date: 01/26/2011 07:56						
SM 2320B	MB 680-192534/6	Alkalinity	5.0	U	mg/L	5.0	1
Batch ID: 192695	Date: 01/27/2011 14:38						
SM 2540C	MB 680-192695/1	Total Dissolved Solids	5.0	U	mg/L	5.0	1
Batch ID: 192494	Date: 01/26/2011 07:49						
SM 2540D	MB 680-192494/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 192655	Date: 01/26/2011 11:14						
SM 5310B	MB 680-192655/2	Total Organic Carbon	1.0	U	mg/L	1.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 200-3445-1

SDG No.: 200-3445-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 192613 Date: 01/27/2011 00:48											
300.0	200-3445-3	Chloride	16.3		mg/L						
300.0	200-3445-3 MS	Chloride	67.6		mg/L	50.0	103	90-110			
300.0	200-3445-3	Sulfate	16.4		mg/L						
300.0	200-3445-3 MS	Sulfate	68.0		mg/L	50.0	103	90-110			

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah

Job No.: 200-3445-1

SDG No.: 200-3445-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 192613 Date: 01/26/2011 23:36											
						LCS Source: All_Anions_00024					
300.0	LCS	Chloride	49.8		mg/L	50.0	100	90-110	0	30	
	680-192613/3										
300.0	LCS	Sulfate	50.7		mg/L	50.0	101	90-110	0	30	
	680-192613/3										
Batch ID: 192534 Date: 01/26/2011 08:06											
						LCS Source: Alk LCS_00076					
SM	LCS	Alkalinity	308		mg/L	352	88	80-120	2	30	
2320B	680-192534/7										
Batch ID: 192695 Date: 01/27/2011 14:38											
						LCS Source: TS/TDS LCS_00115					
SM	LCS	Total Dissolved Solids	305		mg/L	311	98	80-120	4	25	
2540C	680-192695/2										
Batch ID: 192494 Date: 01/26/2011 07:49											
						LCS Source: TSS LCS_00213					
SM	LCS	Total Suspended Solids	96.0		mg/L	100	96	80-120	12	25	
2540D	680-192494/2										
Batch ID: 192655 Date: 01/26/2011 12:30											
						LCS Source: TOC LCS_00045					
SM	LCS	Total Organic Carbon	19.7		mg/L	20.0	98	80-120			
5310B	680-192655/4										

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1

SDG No.: 200-3445-1

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 192613 Date: 01/26/2011 23:51											
						LCSD Source: All_Anions_00024					
300.0	LCSD	Chloride	49.9		mg/L	50.0	100	90-110	0	30	
	680-192613/4										
300.0	LCSD	Sulfate	50.6		mg/L	50.0	101	90-110	0	30	
	680-192613/4										
Batch ID: 192534 Date: 01/26/2011 09:55											
						LCSD Source: Alk LCS_00076					
SM	LCSD	Alkalinity	314		mg/L	352	89	80-120	2	30	
2320B	680-192534/25										
Batch ID: 192695 Date: 01/27/2011 14:38											
						LCSD Source: TS/TDS LCS_00115					
SM	LCSD	Total Dissolved Solids	294		mg/L	311	95	80-120	4	25	
2540C	680-192695/3										
Batch ID: 192494 Date: 01/26/2011 07:50											
						LCSD Source: TSS LCS_00213					
SM	LCSD	Total Suspended Solids	85.0		mg/L	100	85	80-120	12	25	
2540D	680-192494/3										

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

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: ICG
Analysis Method: 300.0 MDL Date: 07/14/2009 08:26
Prep Method: _____
Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chloride		5	1
Sulfate		5	2.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: ICG
Analysis Method: 300.0 XMDL Date: 07/14/2009 08:29

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		5	1
Sulfate		5	2.6

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: MANTECH
Analysis Method: SM 2320B RL Date: 01/12/2009 00:00
Prep Method: _____
Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	
Alkalinity		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: MANTECH
Analysis Method: SM 2320B XRL Date: 04/01/2010 09:47

Analyte	Wavelength/ Mass	XRL (mg/L)	
Alkalinity		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: NOEQUIP
Analysis Method: SM 2540C RL Date: 01/01/2004 16:11
Prep Method: _____
Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Dissolved Solids		5	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: NOEQUIP
Analysis Method: SM 2540C XRL Date: 04/01/2010 10:20

Analyte	Wavelength/ Mass	XRL (mg/L)	
Total Dissolved Solids		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: NOEQUIP
Analysis Method: SM 2540D RL Date: 01/01/2004 16:13
Prep Method: _____
Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Suspended Solids		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: TOC3
Analysis Method: SM 5310B MDL Date: 06/02/2009 00:00
Prep Method: _____
Leach Method: _____

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Organic Carbon		1	0.5

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 200-3445-1
SDG Number: 200-3445-1
Matrix: Water Instrument ID: TOC3
Analysis Method: SM 5310B XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Organic Carbon		1	0.5

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: ICG Method: 300.0

Start Date: 01/26/2011 23:07 End Date: 01/27/2011 01:46

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C L -	S O 4																
CCV 680-192613/1	5		23:07	X	X																
MB 680-192613/2	5	T	23:22	X	X																
LCS 680-192613/3	5	T	23:36	X	X																
LCSD 680-192613/4	5	T	23:51	X	X																
200-3445-1	5	T	00:05	X	X																
200-3445-2	5	T	00:19	X	X																
200-3445-3	5	T	00:34	X	X																
200-3445-3 MS	5	T	00:48	X	X																
200-3445-4	5	T	01:03	X	X																
200-3445-5	5	T	01:17	X	X																
CCV 680-192613/11	5		01:31	X	X																
CCB 680-192613/12	5		01:46	X	X																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: MANTECH Method: SM 2320B

Start Date: 01/26/2011 07:21 End Date: 01/26/2011 09:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A l k																	
ZZZZZZ			07:21																		
ZZZZZZ			07:27																		
ZZZZZZ			07:33																		
ZZZZZZ			07:45																		
ZZZZZZ			07:51																		
MB 680-192534/6	1	T	07:56	X																	
LCS 680-192534/7	1	T	08:06	X																	
ZZZZZZ			08:12																		
ZZZZZZ			08:18																		
ZZZZZZ			08:25																		
ZZZZZZ			08:32																		
ZZZZZZ			08:38																		
ZZZZZZ			08:45																		
ZZZZZZ			08:52																		
ZZZZZZ			08:59																		
ZZZZZZ			09:02																		
200-3445-1	1	T	09:08	X																	
200-3445-2	1	T	09:13	X																	
200-3445-3	1	T	09:19	X																	
200-3445-4	1	T	09:24	X																	
200-3445-5	1	T	09:29	X																	
ZZZZZZ			09:36																		
ZZZZZZ			09:42																		
ZZZZZZ			09:46																		
LCSD 680-192534/25	1	T	09:55	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 01/27/2011 14:38 End Date: 01/27/2011 15:11

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T D S																	
MB 680-192695/1	1	T	14:38	X																	
LCS 680-192695/2	1	T	14:38	X																	
LCSD 680-192695/3	1	T	14:38	X																	
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
200-3445-1	1	T	14:38	X																	
200-3445-2	1	T	14:38	X																	
200-3445-3	1	T	14:38	X																	
200-3445-4	1	T	14:38	X																	
200-3445-5	1	T	14:38	X																	
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			14:38																		
ZZZZZZ			15:11																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 01/26/2011 07:49 End Date: 01/26/2011 08:05

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T S S																	
MB 680-192494/1	1	T	07:49	X																	
LCS 680-192494/2	1	T	07:49	X																	
LCSD 680-192494/3	1	T	07:50	X																	
200-3445-1	1	T	07:51	X																	
200-3445-2	1	T	07:52	X																	
200-3445-3	1	T	07:53	X																	
200-3445-4	1	T	07:54	X																	
200-3445-5	1	T	07:55	X																	
ZZZZZZ			07:55																		
ZZZZZZ			07:59																		
ZZZZZZ			08:02																		
ZZZZZZ			08:03																		
ZZZZZZ			08:04																		
ZZZZZZ			08:05																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: TOC3 Method: SM 5310B

Start Date: 01/26/2011 10:59 End Date: 01/26/2011 22:02

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T O C																	
CCV 680-192655/1	1		10:59	X																	
MB 680-192655/2	1	T	11:14	X																	
ZZZZZZ			11:28																		
LCS 680-192655/4	1	T	12:30	X																	
ZZZZZZ			12:51																		
ZZZZZZ			13:05																		
ZZZZZZ			13:16																		
200-3445-1	100	T	13:30	X																	
200-3445-2	100	T	13:45	X																	
200-3445-3	1	T	13:59	X																	
200-3445-4	100	T	14:16	X																	
200-3445-5	100	T	14:30	X																	
ZZZZZZ			14:44																		
ZZZZZZ			14:59																		
CCV 680-192655/15	1		15:13	X																	
CCB 680-192655/16	1		15:28	X																	
ZZZZZZ			15:42																		
ZZZZZZ			15:53																		
ZZZZZZ			16:07																		
ZZZZZZ			16:21																		
ZZZZZZ			16:36																		
CCV 680-192655/22	1		16:50	X																	
CCB 680-192655/23	1		17:05	X																	
ZZZZZZ			17:19																		
ZZZZZZ			17:48																		
ZZZZZZ			18:02																		
ZZZZZZ			18:13																		
ZZZZZZ			18:27																		
ZZZZZZ			18:42																		
ZZZZZZ			18:56																		
ZZZZZZ			19:11																		
ZZZZZZ			19:25																		
ZZZZZZ			19:39																		
ZZZZZZ			19:54																		
CCV 680-192655/35			20:08																		
CCB 680-192655/36			20:22																		
ZZZZZZ			20:37																		
ZZZZZZ			20:48																		
ZZZZZZ			21:02																		
ZZZZZZ			21:19																		
ZZZZZZ			21:33																		
CCV 680-192655/42			21:47																		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 200-3445-1

SDG No.: 200-3445-1

Instrument ID: TOC3 Method: SM 5310B

Start Date: 01/26/2011 10:59 End Date: 01/26/2011 22:02

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T O C																	
CCB 680-192655/43			22:02																		

Prep Types

T = Total/NA

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/4G011311A-NPW.b/0031.d
Lab Smp Id: IC Client Smp ID: ANION-1
Inj Date : 14-JAN-2011 01:16
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-1~4G011311
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/4G011311A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 17-Jan-2011 08:55 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 01:16 Cal File: 0031.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.233	3.233	0.000	66315	0.20000	0.20

4 BROMIDE			CAS #: 24959-67-9		
6.567	6.567	0.000	78144	1.00000	1.0

2 CHLORIDE			CAS #: 16887-00-6		
4.225	4.225	0.000	199054	1.00000	1.0

3 SULFATE			CAS #: 14808-79-8		
4.975	4.975	0.000	151113	1.00000	1.0

Data File: 0031.d

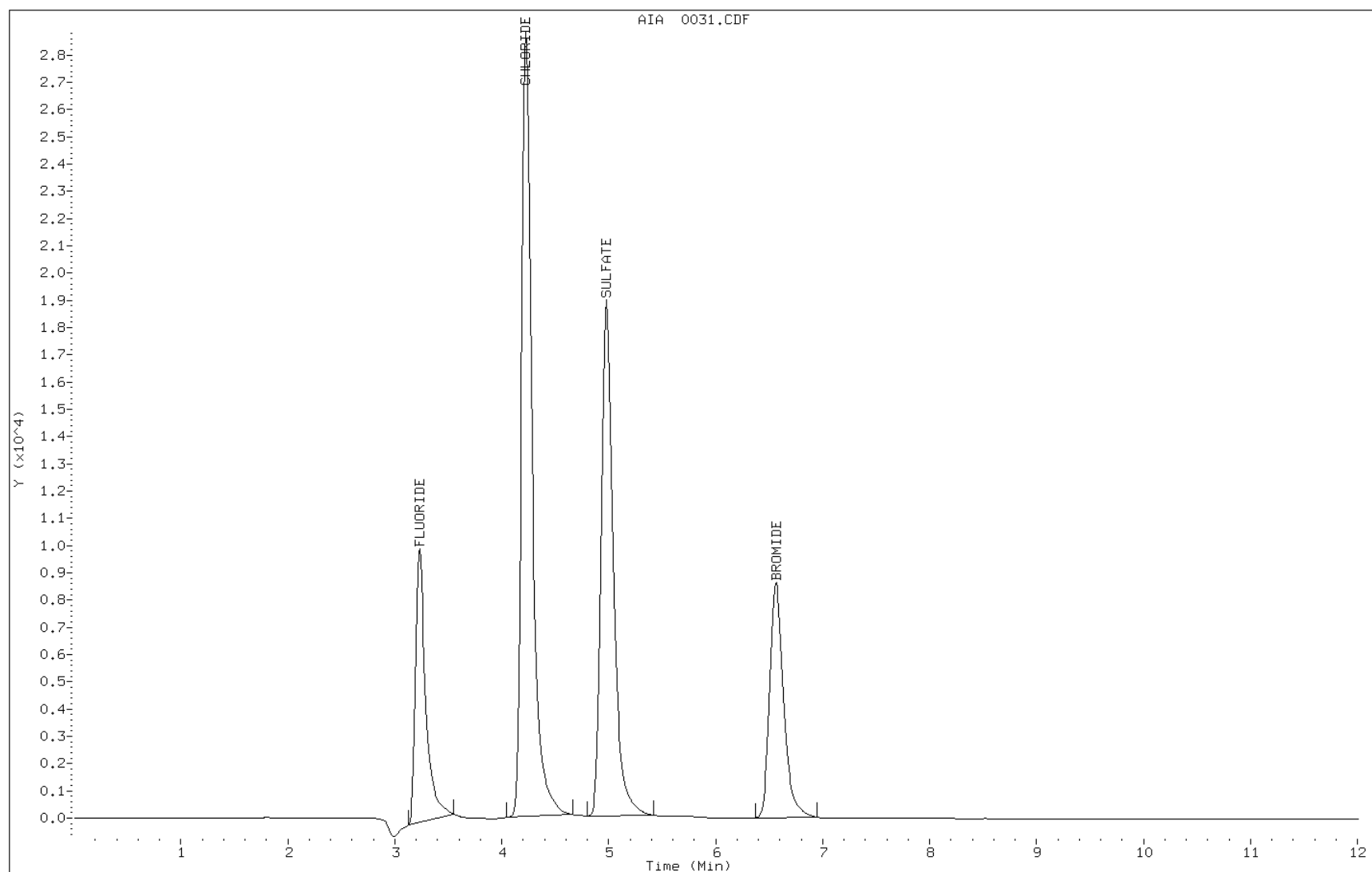
Date: 14-JAN-2011 01:16

Client ID: ANION-1

Instrument: LCGIC.i

Sample Info: ANION-1~4G011311

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/4G011311A-NPW.b/0032.d
Lab Smp Id: IC Client Smp ID: ANION-2
Inj Date : 14-JAN-2011 01:31
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-2~4G011311
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/4G011311A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 17-Jan-2011 08:55 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 01:31 Cal File: 0032.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.233	3.233	0.000	140374	0.40000	0.40

4 BROMIDE			CAS #: 24959-67-9		
6.567	6.567	0.000	168628	2.00000	2.0

2 CHLORIDE			CAS #: 16887-00-6		
4.233	4.233	0.000	418079	2.00000	2.0

3 SULFATE			CAS #: 14808-79-8		
4.975	4.975	0.000	309693	2.00000	2.0

Data File: 0032.d

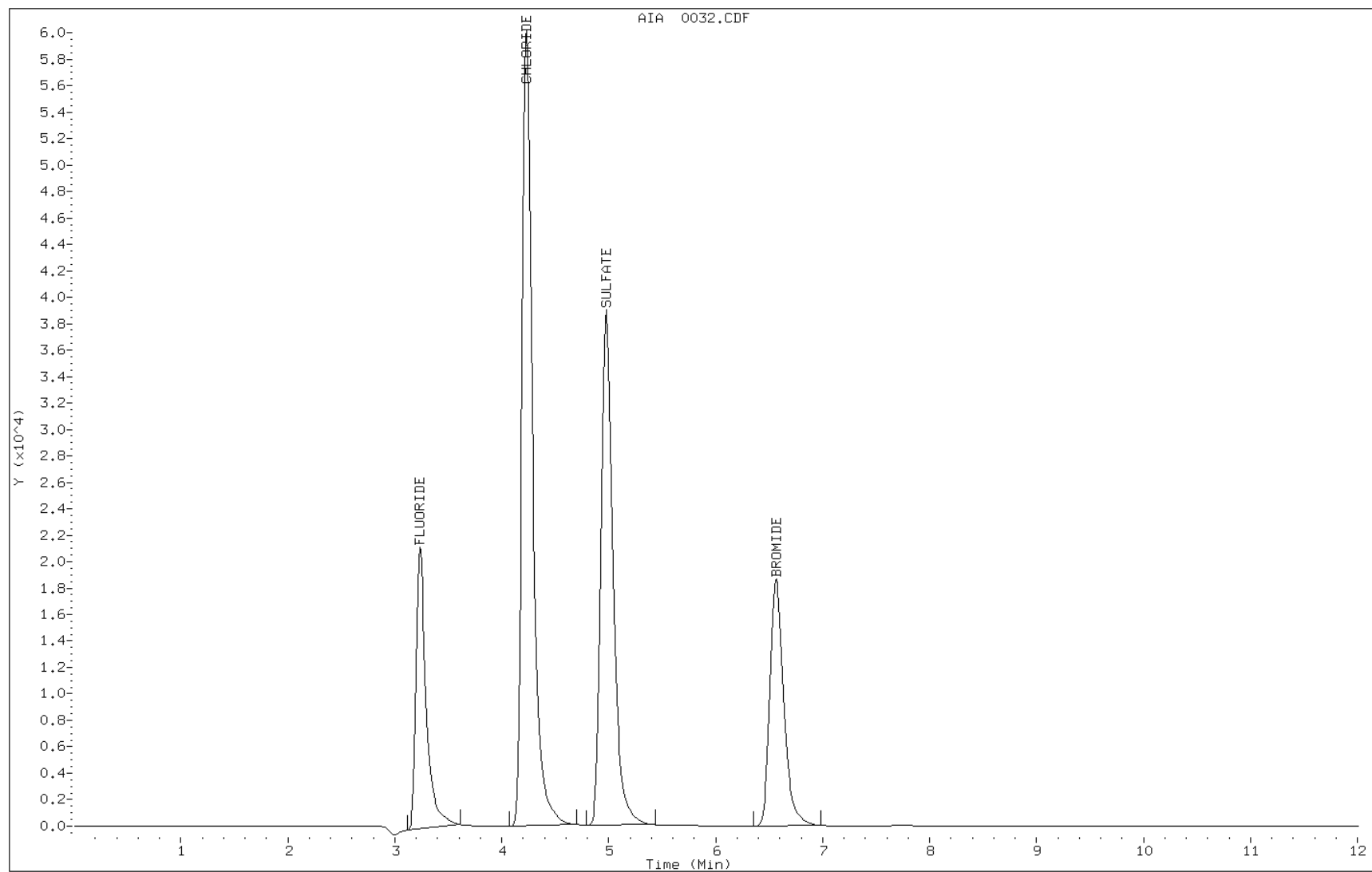
Date: 14-JAN-2011 01:31

Client ID: ANION-2

Instrument: LCGIC.i

Sample Info: ANION-2~4G011311

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/4G011311A-NPW.b/0033.d
Lab Smp Id: IC Client Smp ID: ANION-3
Inj Date : 14-JAN-2011 01:45
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-3~4G011311
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/4G011311A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 17-Jan-2011 08:55 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 01:45 Cal File: 0033.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL -AMT	ON -COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.233	3.233	0.000	362021	1.00000	1.0

4 BROMIDE			CAS #: 24959-67-9		
6.559	6.559	0.000	453995	5.00000	5.1

2 CHLORIDE			CAS #: 16887-00-6		
4.234	4.234	0.000	1075554	5.00000	5.0

3 SULFATE			CAS #: 14808-79-8		
4.975	4.975	0.000	797558	5.00000	5.0

Data File: 0033.d

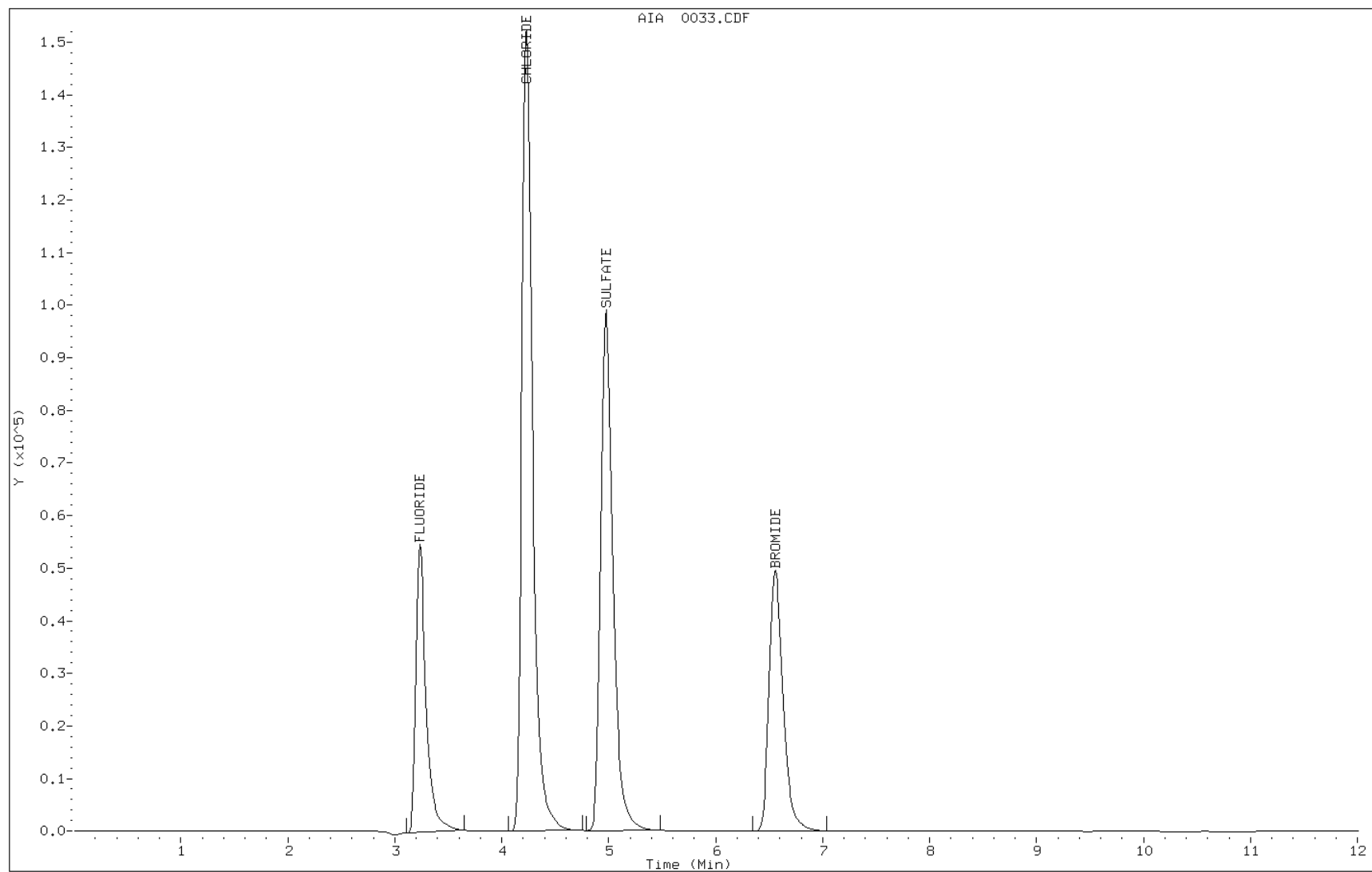
Date: 14-JAN-2011 01:45

Client ID: ANION-3

Instrument: LCGIC.i

Sample Info: ANION-3~4G011311

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/4G011311A-NPW.b/0034.d
Lab Smp Id: IC Client Smp ID: ANION-4
Inj Date : 14-JAN-2011 01:59
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~4G011311
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/4G011311A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 17-Jan-2011 08:55 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 01:59 Cal File: 0034.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.233	3.233	0.000	718904	2.00000	2.0

4 BROMIDE			CAS #: 24959-67-9		
6.542	6.542	0.000	933635	10.0000	10

2 CHLORIDE			CAS #: 16887-00-6		
4.233	4.233	0.000	2162375	10.0000	10

3 SULFATE			CAS #: 14808-79-8		
4.975	4.975	0.000	1605860	10.0000	10

Data File: 0034.d

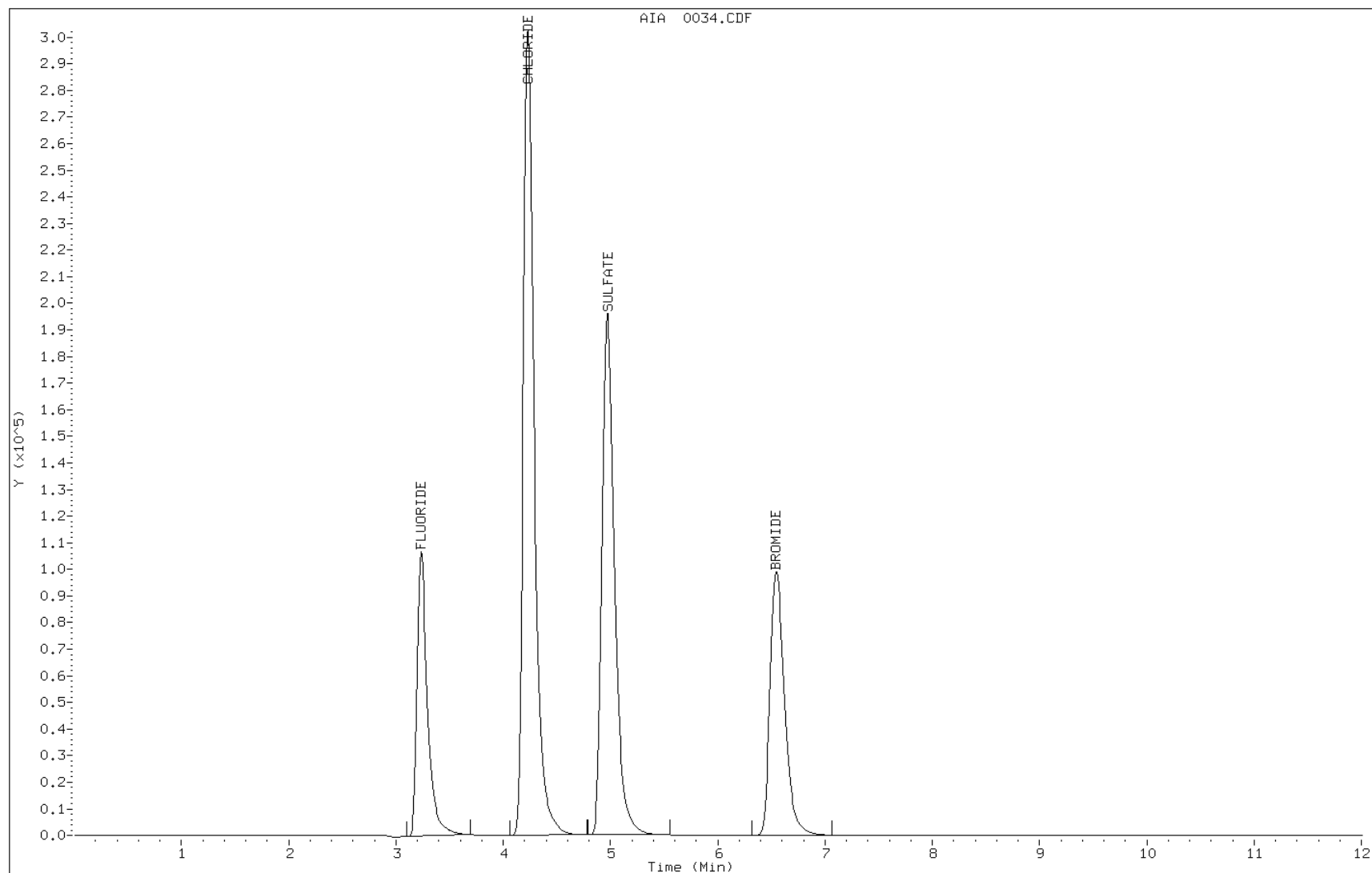
Date: 14-JAN-2011 01:59

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~4G011311

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/4G011311A-NPW.b/0035.d
Lab Smp Id: IC Client Smp ID: ANION-5
Inj Date : 14-JAN-2011 02:14
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-5~4G011311
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/4G011311A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 17-Jan-2011 08:55 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:14 Cal File: 0035.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL - AMT	ON - COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.233	3.233	0.000	1753471	5.00000	5.0

4 BROMIDE			CAS #: 24959-67-9		
6.517	6.517	0.000	2405906	25.0000	25

2 CHLORIDE			CAS #: 16887-00-6		
4.225	4.225	0.000	5462397	25.0000	25

3 SULFATE			CAS #: 14808-79-8		
4.958	4.958	0.000	4059653	25.0000	25

Data File: 0035.d

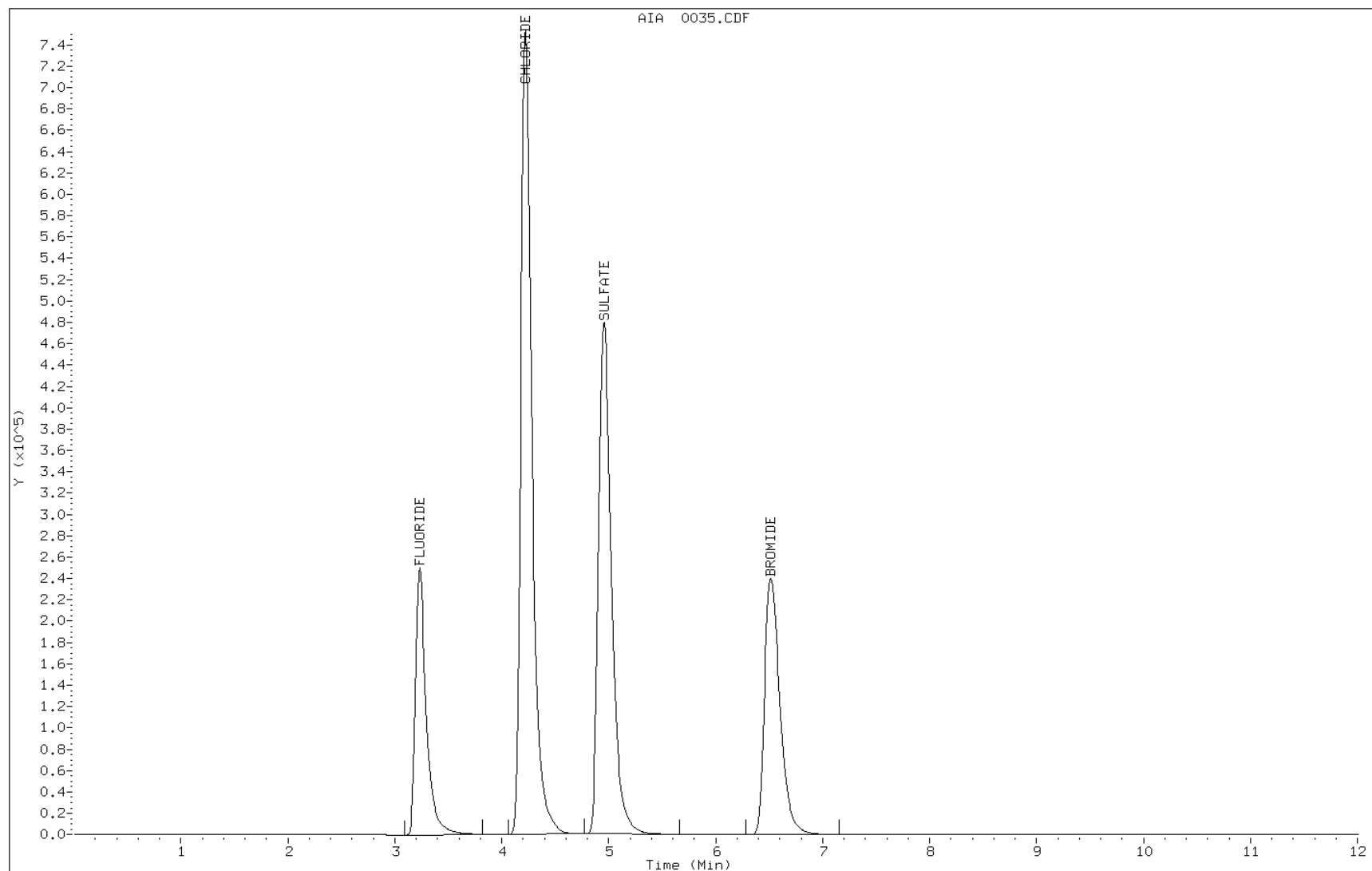
Date: 14-JAN-2011 02:14

Client ID: ANION-5

Instrument: LCGIC.i

Sample Info: ANION-5~4G011311

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/4G011311A-NPW.b/0036.d
Lab Smp Id: IC Client Smp ID: ANION-6
Inj Date : 14-JAN-2011 02:28
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-6~4G011311
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/4G011311A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 17-Jan-2011 08:55 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:28 Cal File: 0036.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL - AMT	ON - COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.233	3.233	0.000	3366710	10.0000	9.9

4 BROMIDE			CAS #: 24959-67-9		
6.484	6.484	0.000	4859094	50.0000	50

2 CHLORIDE			CAS #: 16887-00-6		
4.217	4.217	0.000	10969541	50.0000	50

3 SULFATE			CAS #: 14808-79-8		
4.942	4.942	0.000	8118262	50.0000	50

QC Flag Legend

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

Data File: 0036.d

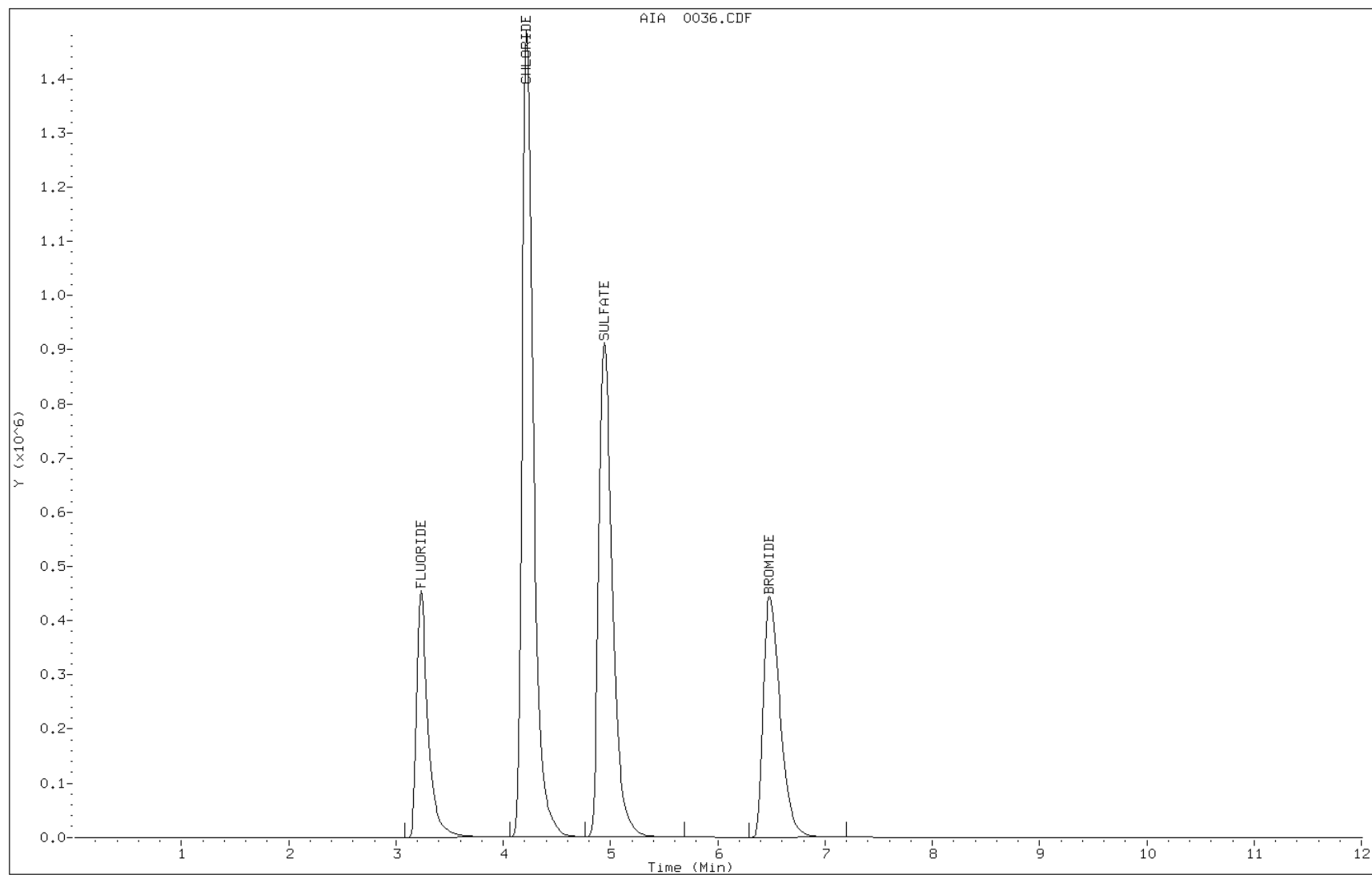
Date: 14-JAN-2011 02:28

Client ID: ANION-6

Instrument: LCGIC.i

Sample Info: ANION-6~4G011311

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/4G011311A-NPW.b/0037.d
Lab Smp Id: IC Client Smp ID: ANION-7
Inj Date : 14-JAN-2011 02:43
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-7~4G011311
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/4G011311A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 17-Jan-2011 08:55 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL - AMT	ON - COL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
1 FLUORIDE					
			CAS #: 16984-48-8		
3.233	3.233	0.000	6299346 20.0000	19	(A)

4 BROMIDE					
			CAS #: 24959-67-9		
6.425	6.425	0.000	9904609 15.0000	100	(A)

2 CHLORIDE					
			CAS #: 16887-00-6		
4.208	4.208	0.000	22195939 100.000	100	(A)

3 SULFATE					
			CAS #: 14808-79-8		
4.917	4.917	0.000	16290237 100.000	100	(A)

QC Flag Legend

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

Data File: 0037.d

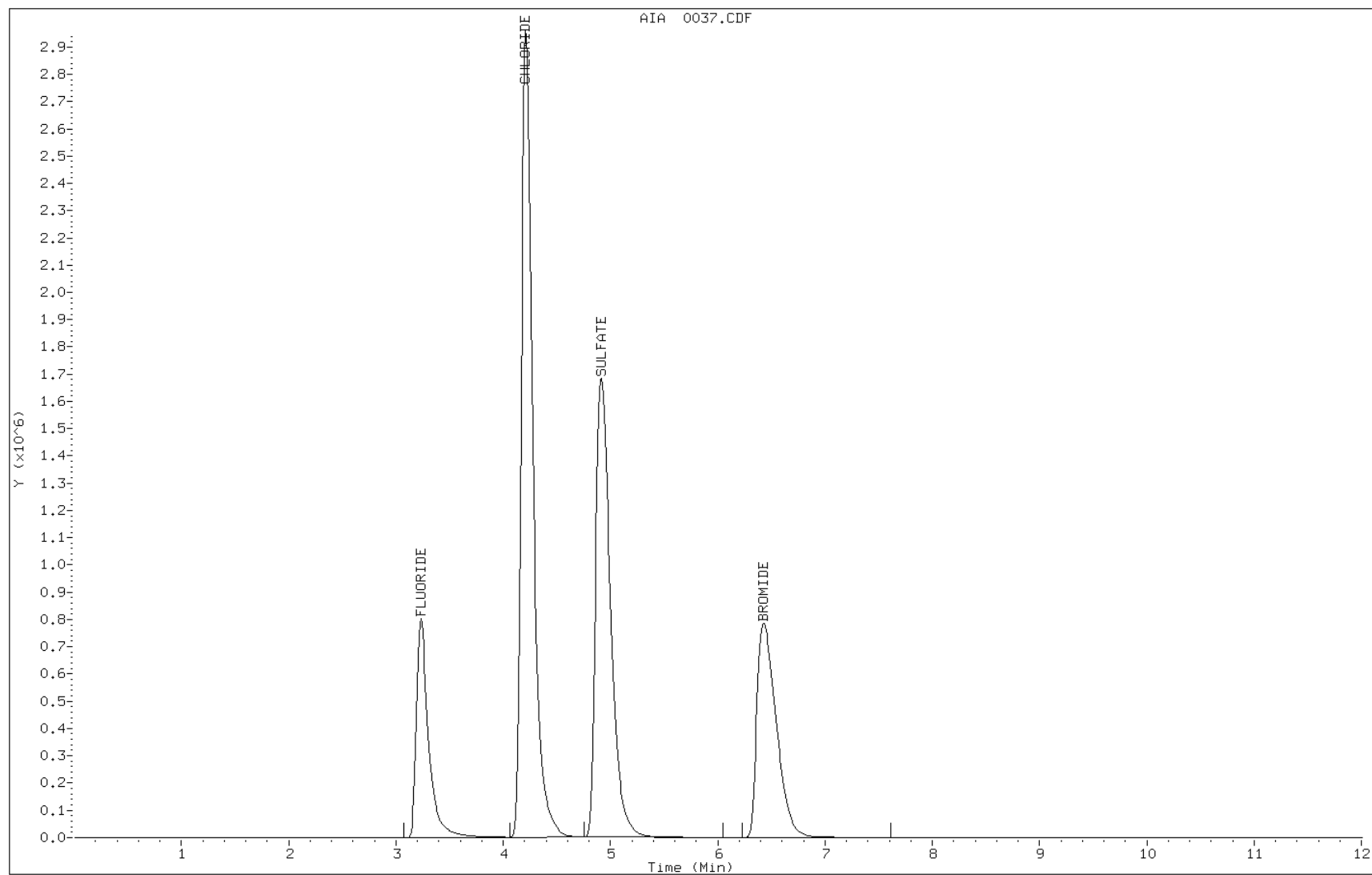
Date: 14-JAN-2011 02:43

Client ID: ANION-7

Instrument: LCGIC.i

Sample Info: ANION-7~4G011311

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0043.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 26-JAN-2011 23:07
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~3G012611
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.242	3.242	0.000	704234	2.00000	2.1

4 BROMIDE			CAS #: 24959-67-9		
6.517	6.517	0.000	916125	10.0000	9.5

2 CHLORIDE			CAS #: 16887-00-6		
4.225	4.225	0.000	2147968	10.0000	9.7

3 SULFATE			CAS #: 14808-79-8		
4.950	4.950	0.000	1588929	10.0000	9.8

Data File: 0043.d

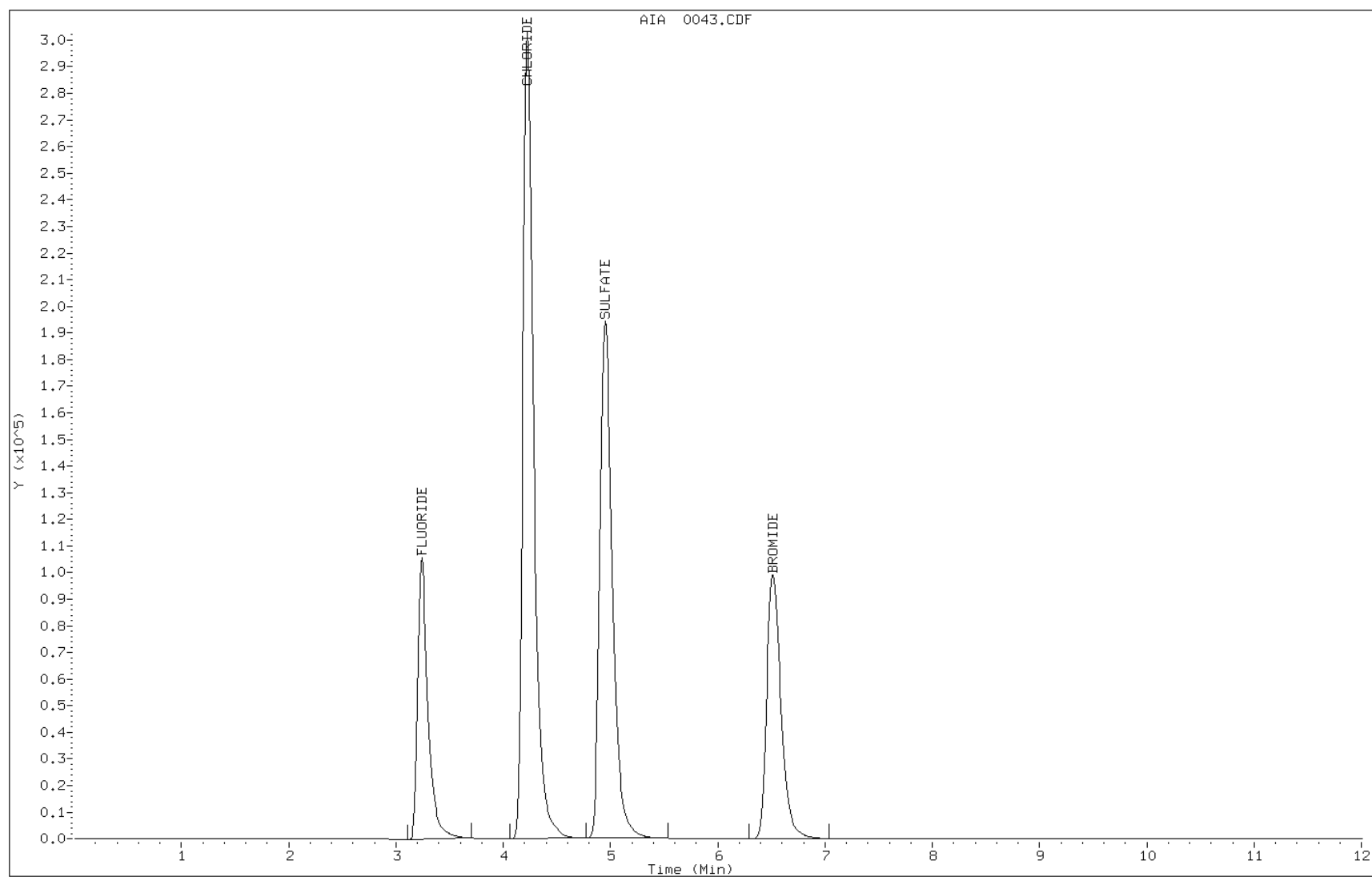
Date: 26-JAN-2011 23:07

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0044.d
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 26-JAN-2011 23:22
Operator : CB Inst ID: LCGIC.i
Smp Info : MB~3G012611
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

Data File: 0044.d

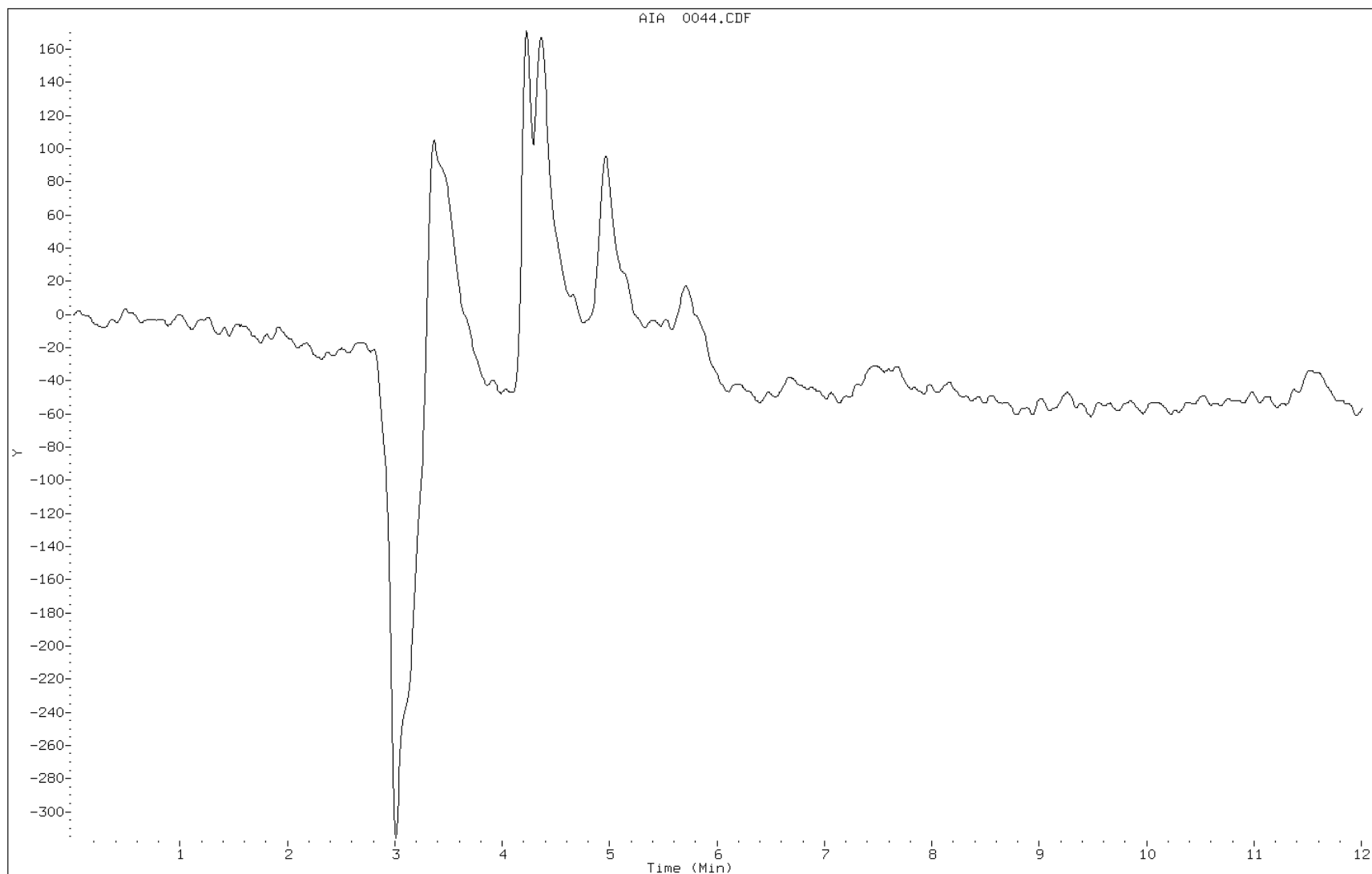
Date: 26-JAN-2011 23:22

Client ID: MB

Instrument: LCGIC.i

Sample Info: MB~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0045.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 26-JAN-2011 23:36
Operator : CB Inst ID: LCGIC.i
Smp Info : LCS~3G012611
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
1 FLUORIDE CAS #: 16984-48-8					
3.242	3.242	0.000	716938 2.10611	11	

4 BROMIDE CAS #: 24959-67-9					
6.508	6.517	-0.009	932774 9.63373	48	

2 CHLORIDE CAS #: 16887-00-6					
4.225	4.225	0.000	2203179 9.95753	50	

3 SULFATE CAS #: 14808-79-8					
4.950	4.950	0.000	1648732 10.1304	51	

Data File: 0045.d

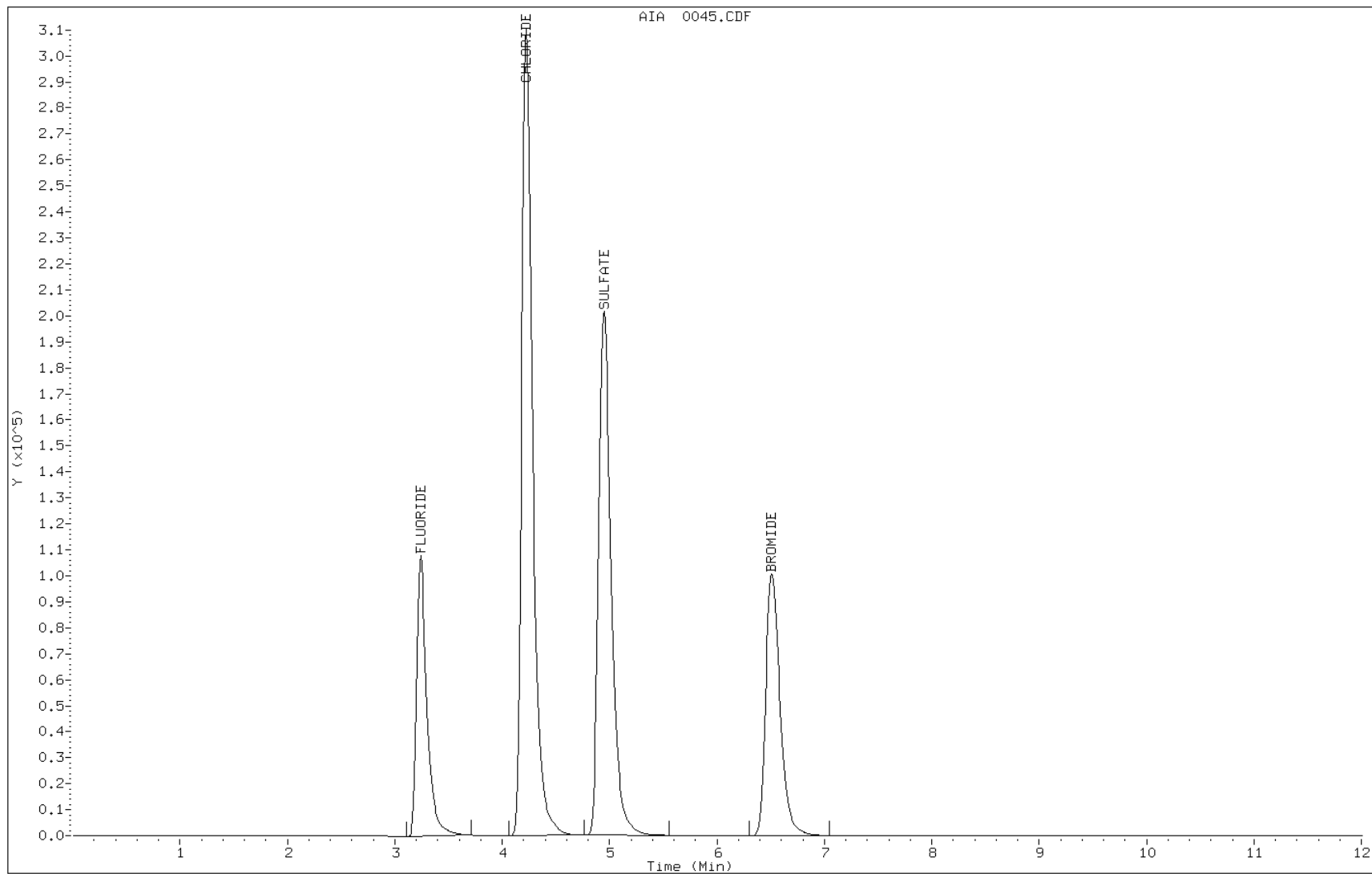
Date: 26-JAN-2011 23:36

Client ID: LCS

Instrument: LCGIC.i

Sample Info: LCS~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0046.d
Lab Smp Id: LCSD Client Smp ID: LCSD
Inj Date : 26-JAN-2011 23:51
Operator : CB Inst ID: LCGIC.i
Smp Info : LCSD~3G012611
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

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

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS				
			ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)
==	=====	=====	=====	=====
1 FLUORIDE CAS #: 16984-48-8				
3.242	3.242	0.000	717650 2.10820	11

4 BROMIDE CAS #: 24959-67-9				
6.508	6.517	-0.009	933323 9.63940	48

2 CHLORIDE CAS #: 16887-00-6				
4.225	4.225	0.000	2209916 9.98797	50

3 SULFATE CAS #: 14808-79-8				
4.942	4.950	-0.008	1647957 10.1257	51

Data File: 0046.d

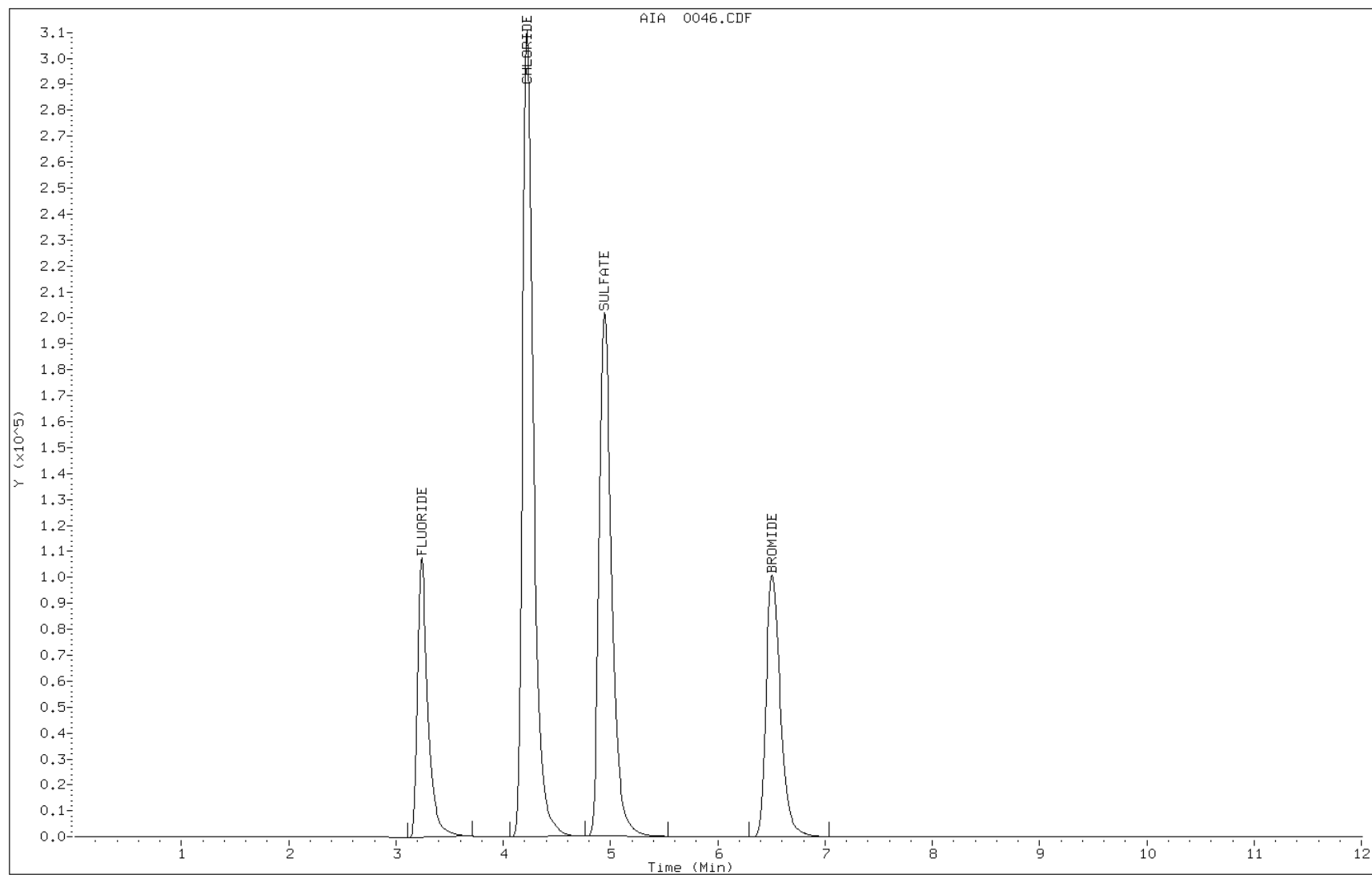
Date: 26-JAN-2011 23:51

Client ID: LCSD

Instrument: LCGIC.i

Sample Info: LCSD~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0047.d
Lab Smp Id: 200-3445-G-1 Client Smp ID: MW-5
Inj Date : 27-JAN-2011 00:05
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-3445-G-1~3G012611
Misc Info : 200-3445-G-1
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
2 CHLORIDE CAS #: 16887-00-6					
4.225	4.225	0.000	1228987 5.55455	28	

3 SULFATE CAS #: 14808-79-8					
4.950	4.950	0.000	943688 5.79838	29	

Data File: 0047.d

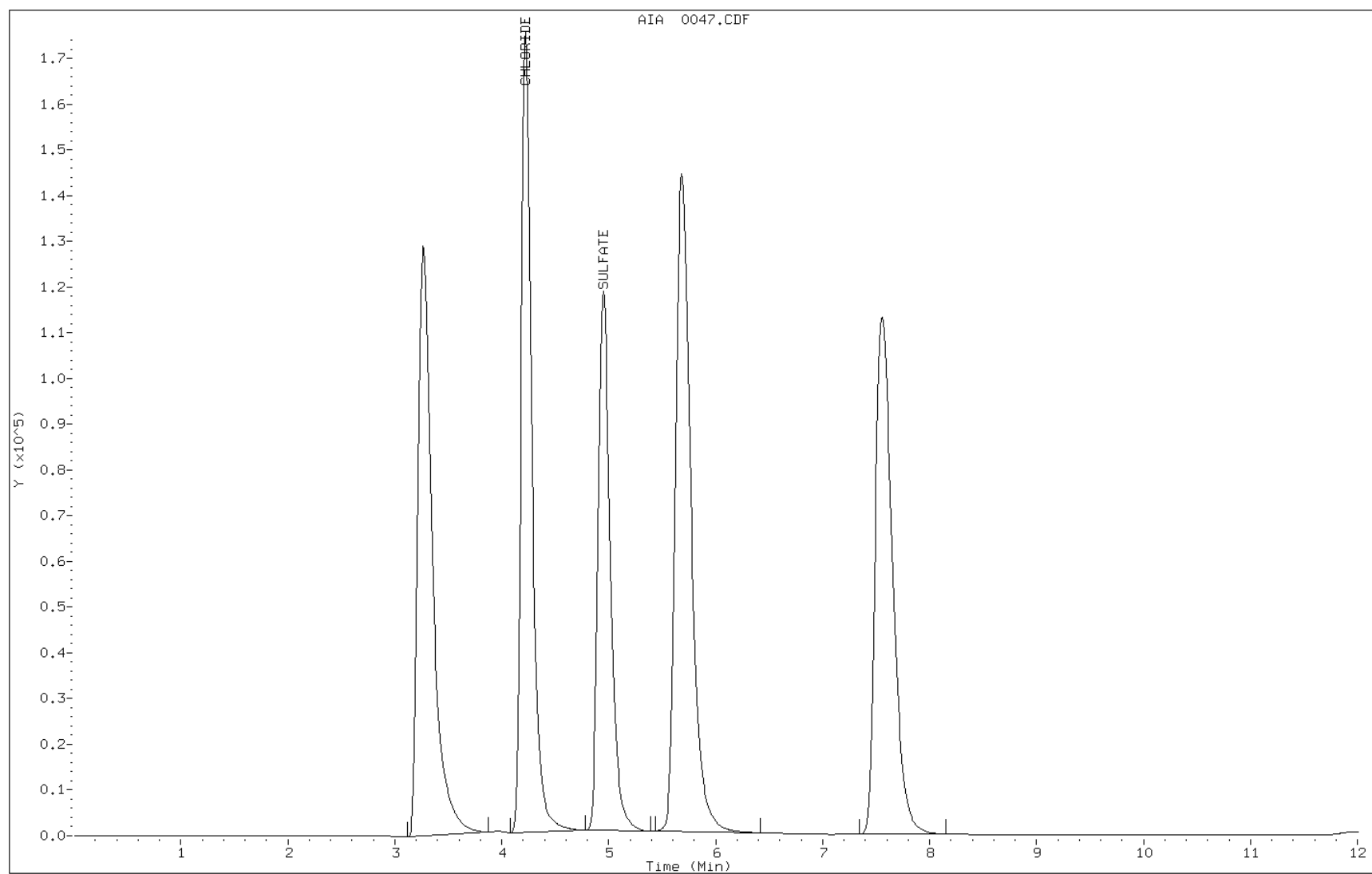
Date: 27-JAN-2011 00:05

Client ID: MW-5

Instrument: LCGIC.i

Sample Info: 200-3445-G-1~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0048.d
Lab Smp Id: 200-3445-G-2 Client Smp ID: MW-1
Inj Date : 27-JAN-2011 00:19
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-3445-G-2~3G012611
Misc Info : 200-3445-G-2
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
2 CHLORIDE CAS #: 16887-00-6					
4.225	4.225	0.000	1180126 5.33372	27	

3 SULFATE CAS #: 14808-79-8					
4.950	4.950	0.000	952008 5.84950	29	

Data File: 0048.d

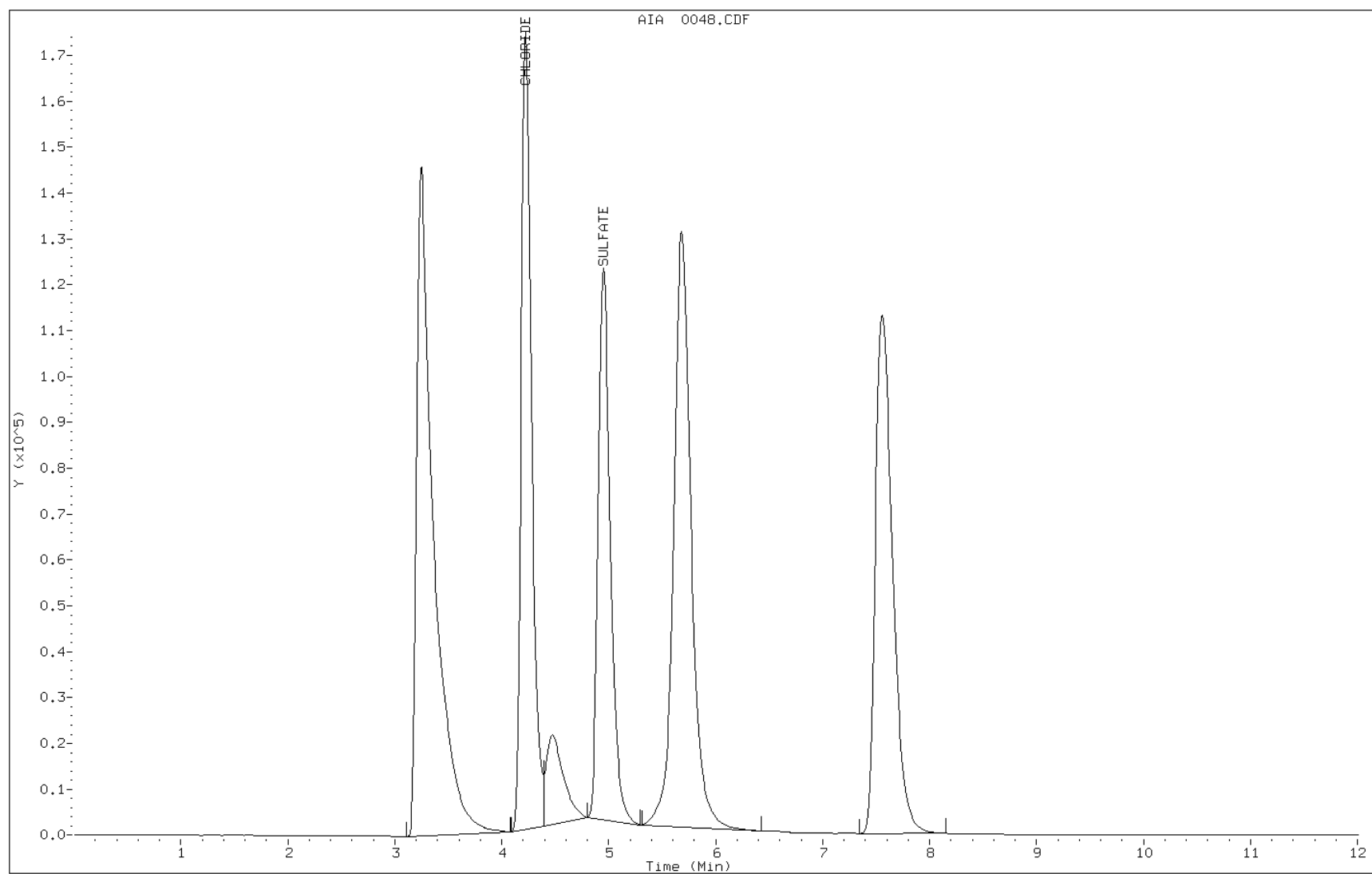
Date: 27-JAN-2011 00:19

Client ID: MW-1

Instrument: LCGIC.i

Sample Info: 200-3445-G-2~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0049.d
Lab Smp Id: 200-3445-G-3 Client Smp ID: MW-2
Inj Date : 27-JAN-2011 00:34
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-3445-G-3~3G012611
Misc Info : 200-3445-G-3
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
1 FLUORIDE CAS #: 16984-48-8					
3.233	3.242	-0.009	569647 1.67342	8.4	

2 CHLORIDE CAS #: 16887-00-6					
4.225	4.225	0.000	719539 3.25204	16	

3 SULFATE CAS #: 14808-79-8					
4.950	4.950	0.000	532977 3.27482	16	

Data File: 0049.d

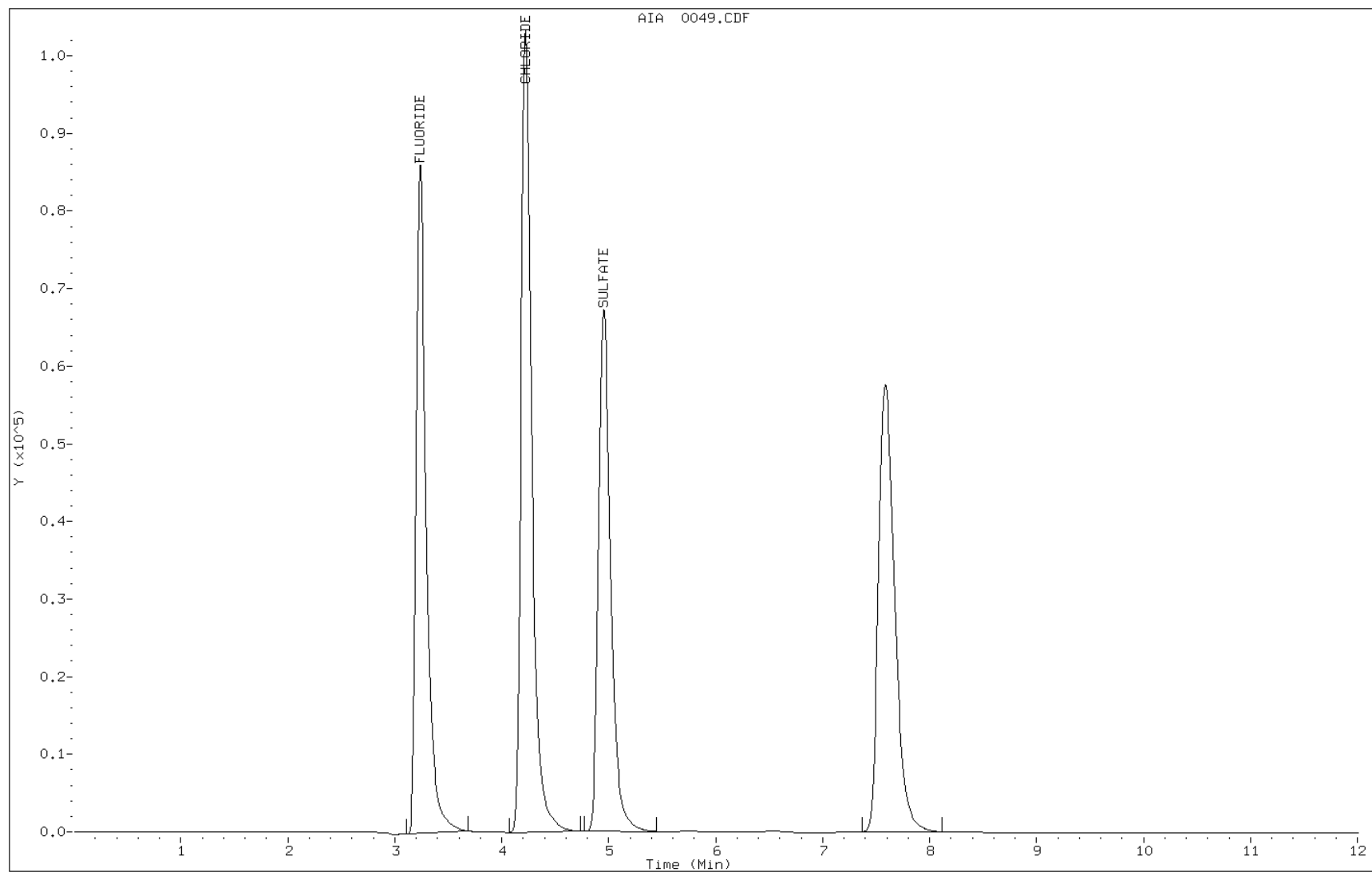
Date: 27-JAN-2011 00:34

Client ID: MW-2

Instrument: LCGIC.i

Sample Info: 200-3445-G-3~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0050.d
Lab Smp Id: 200-3445-G-3 MS Client Smp ID: 200-3445-G-3 MS
Inj Date : 27-JAN-2011 00:48
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-3445-G-3 MS~3G012611
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

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

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
			ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)		
==	=====	=====	=====	=====	=====	
1 FLUORIDE CAS #: 16984-48-8						
3.233	3.242	-0.009	1298578	3.81476	19	(R)

4 BROMIDE CAS #: 24959-67-9						
6.508	6.517	-0.009	951419	9.82630	49	

2 CHLORIDE CAS #: 16887-00-6						
4.217	4.225	-0.008	2990964	13.5180	68	(R)

3 SULFATE CAS #: 14808-79-8						
4.942	4.950	-0.008	2213891	13.6030	68	(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 0050.d

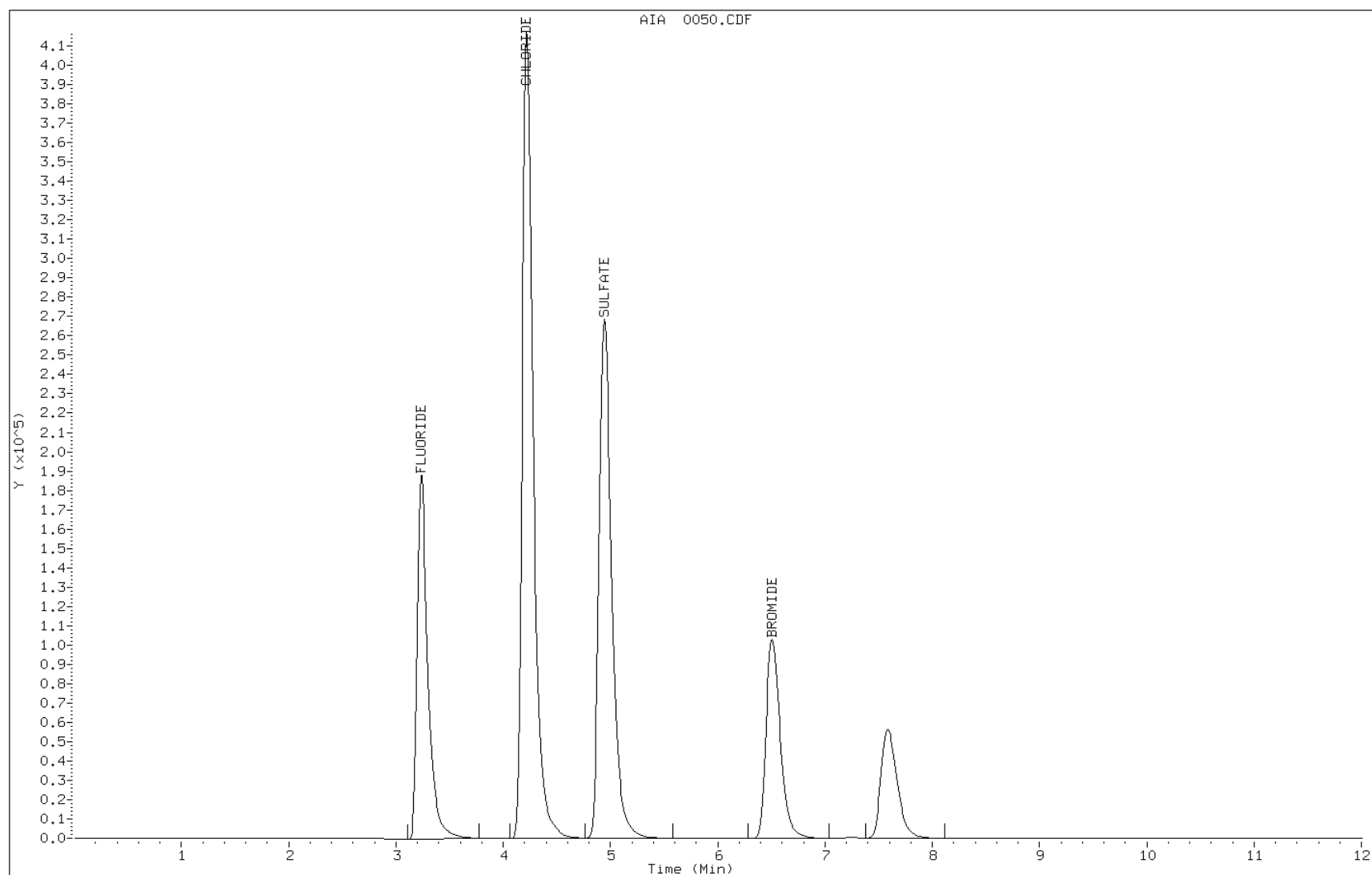
Date: 27-JAN-2011 00:48

Client ID: 200-3445-G-3 MS

Instrument: LCGIC.i

Sample Info: 200-3445-G-3 MS~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0051.d
Lab Smp Id: 200-3445-G-4 Client Smp ID: MW-3
Inj Date : 27-JAN-2011 01:03
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-3445-G-4~3G012611
Misc Info : 200-3445-G-4
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS				
			ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)
==	=====	=====	=====	=====
2 CHLORIDE CAS #: 16887-00-6				
4.225	4.225	0.000	679410 3.07067	15

3 SULFATE CAS #: 14808-79-8				
4.950	4.950	0.000	537310 3.30144	17

Data File: 0051.d

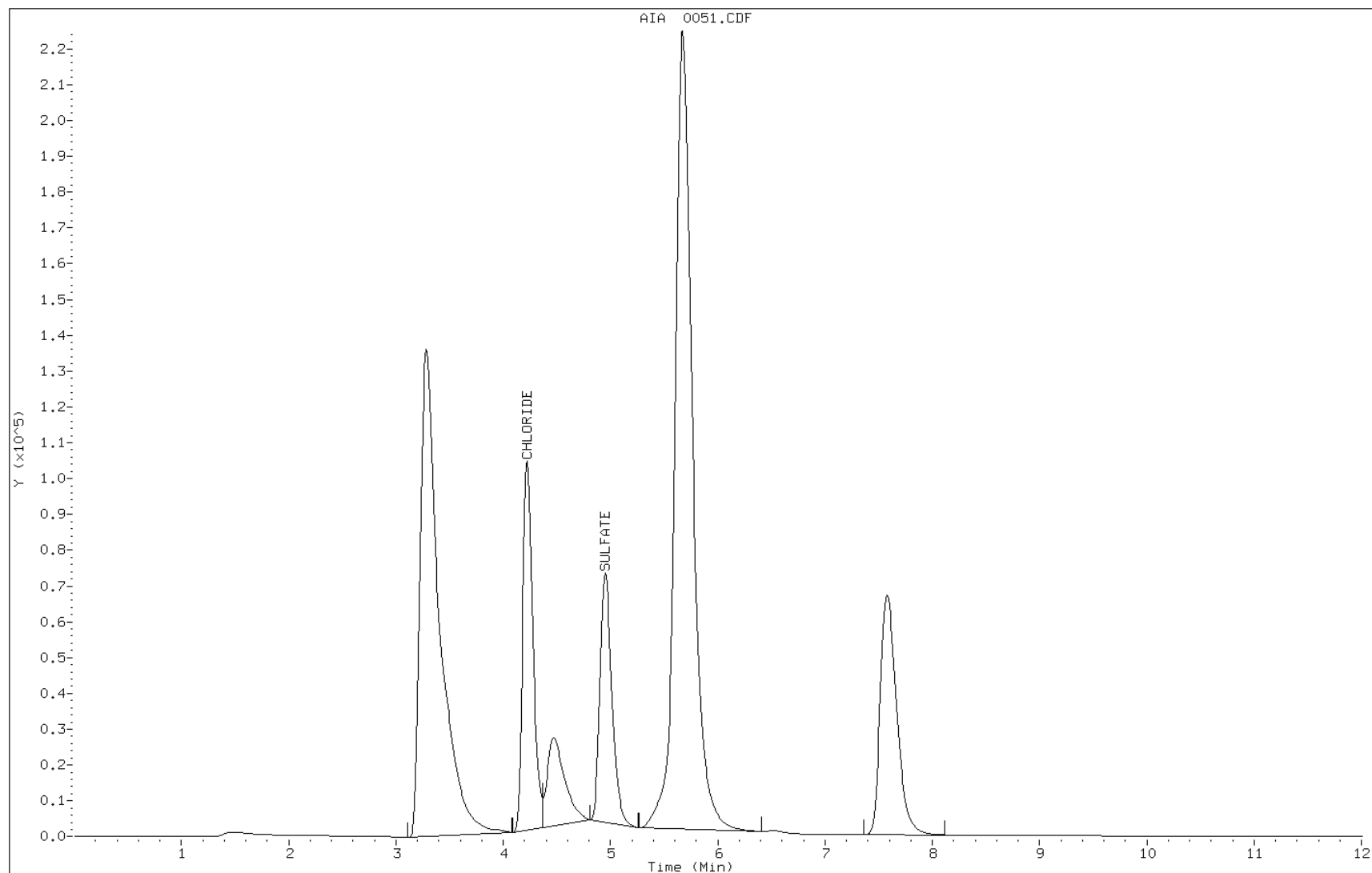
Date: 27-JAN-2011 01:03

Client ID: MW-3

Instrument: LCGIC.i

Sample Info: 200-3445-G-4~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0052.d
Lab Smp Id: 200-3445-G-5 Client Smp ID: MW-4
Inj Date : 27-JAN-2011 01:17
Operator : CB Inst ID: LCGIC.i
Smp Info : 200-3445-G-5~3G012611
Misc Info : 200-3445-G-5
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
			ON-COL	FINAL	
RT	EXP RT	DLT RT	RESPONSE (mg/L)	(mg/L)	
==	=====	=====	=====	=====	=====
2 CHLORIDE CAS #: 16887-00-6					
4.225	4.225	0.000	1149823 5.19676	26	

3 SULFATE CAS #: 14808-79-8					
4.950	4.950	0.000	903073 5.54882	28	

Data File: 0052.d

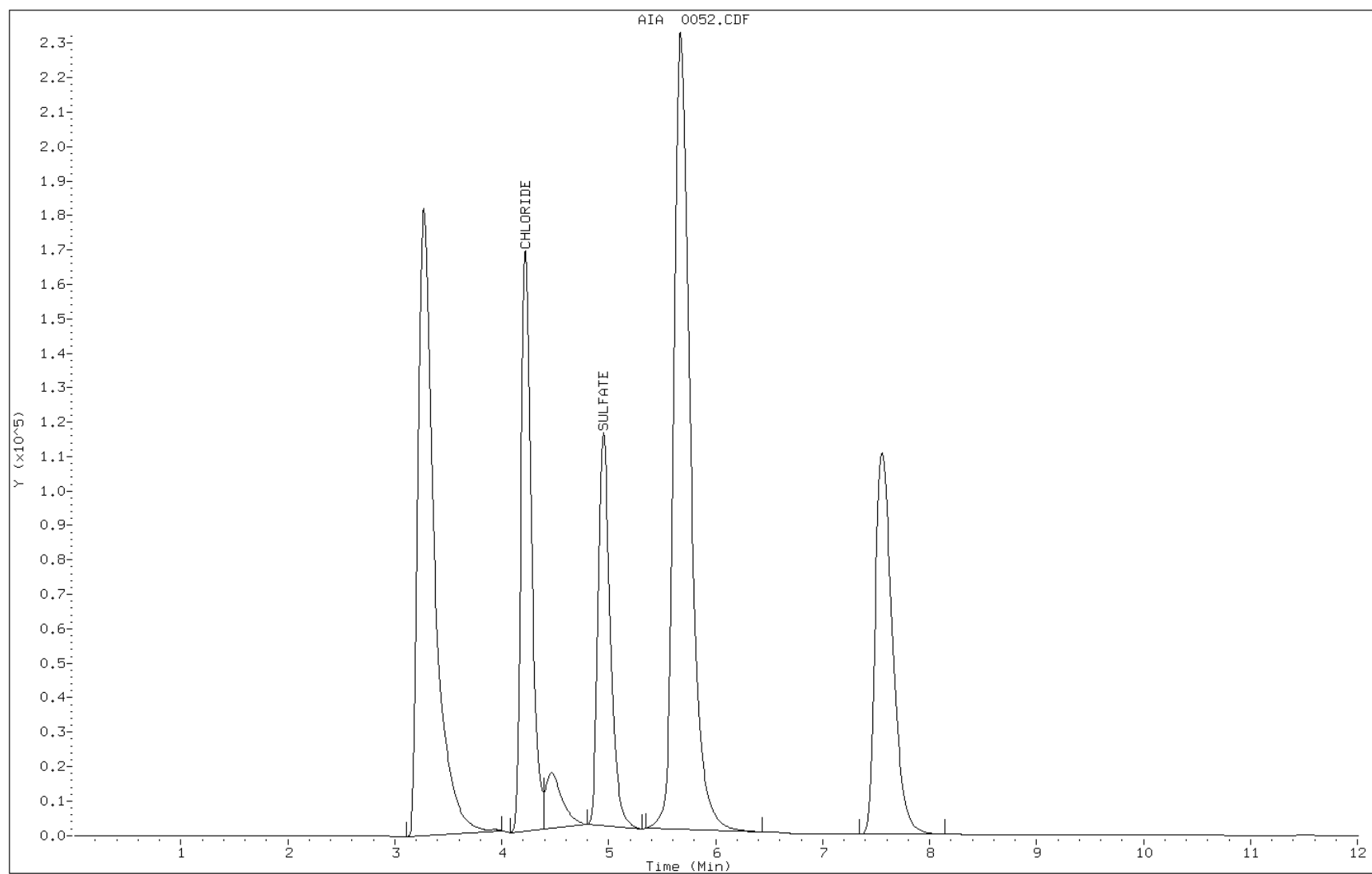
Date: 27-JAN-2011 01:17

Client ID: MW-4

Instrument: LCGIC.i

Sample Info: 200-3445-G-5~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0053.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 27-JAN-2011 01:31
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~3G012611
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

AMOUNTS					
			CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
==	=====	=====	=====	=====	=====
1 FLUORIDE			CAS #: 16984-48-8		
3.242	3.242	0.000	706889	2.00000	2.1

4 BROMIDE			CAS #: 24959-67-9		
6.508	6.508	0.000	914957	10.0000	9.4

2 CHLORIDE			CAS #: 16887-00-6		
4.225	4.225	0.000	2146300	10.0000	9.7

3 SULFATE			CAS #: 14808-79-8		
4.950	4.950	0.000	1583370	10.0000	9.7

Data File: 0053.d

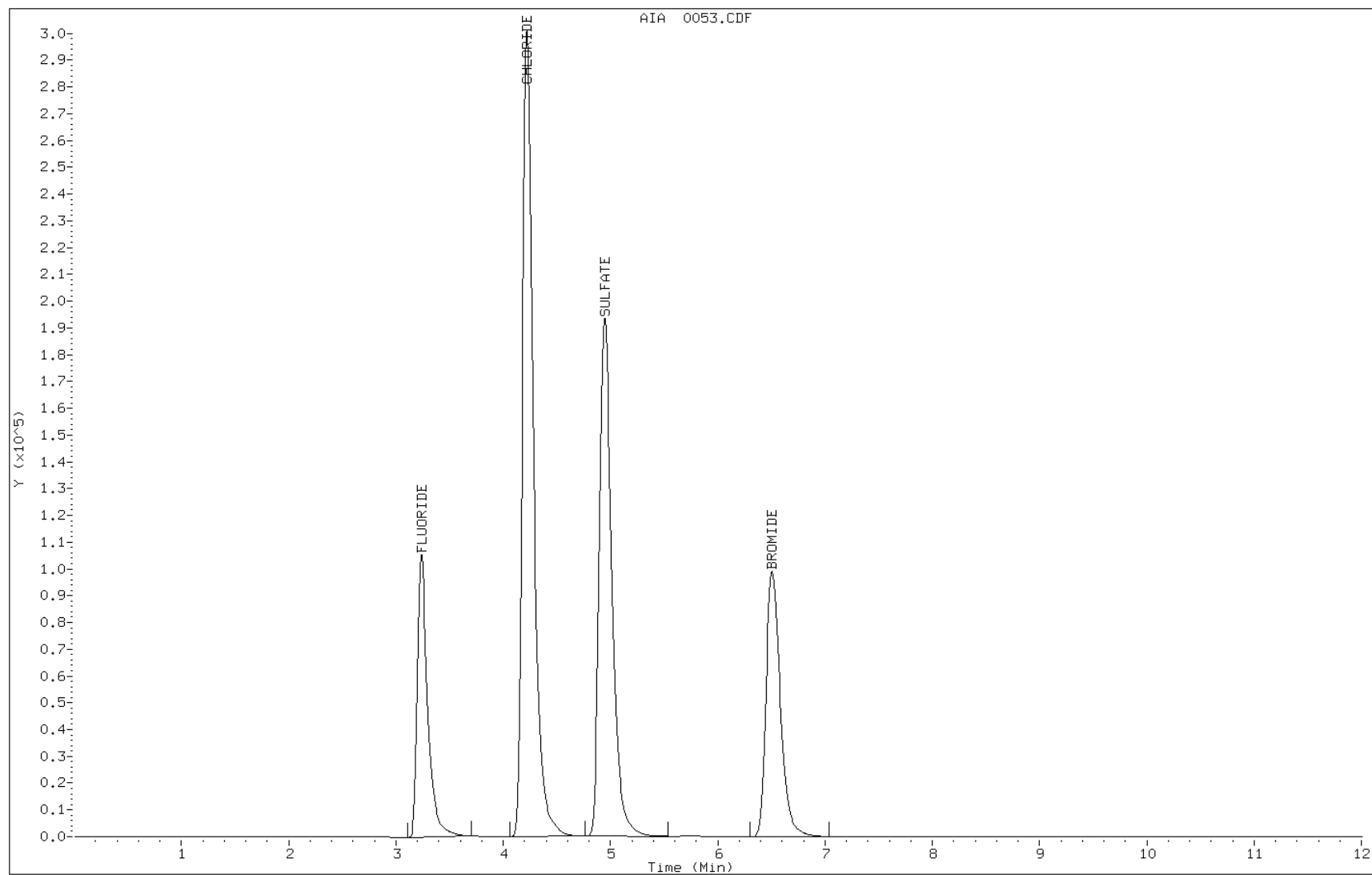
Date: 27-JAN-2011 01:31

Client ID: ANION-4

Instrument: LCGIC.i

Sample Info: ANION-4~3G012611

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G012611A-NPW.b/0054.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 27-JAN-2011 01:46
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~3G012611
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G012611A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-Jan-2011 08:44 brazellc Quant Type: ESTD
Cal Date : 14-JAN-2011 02:43 Cal File: 0037.d
Als bottle: 1 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: Anion.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: savchem1

Concentration Formula: $\text{Amt} * \text{DF} * \text{E} * (\text{Vt}/\text{Vo}) * \text{CpndVariable}$

Name	Value	Description
DF	1.00000	Dilution Factor
E	1.00000	ug to mg conversion (1 if no conversion)
Vt	5.00000	Final Volume
Vo	1.00000	Sample Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS			
		ON-COL	FINAL
RT	EXP RT	DLT RT	RESPONSE (mg/L) (mg/L)
==	=====	=====	=====

Data File: 0054.d

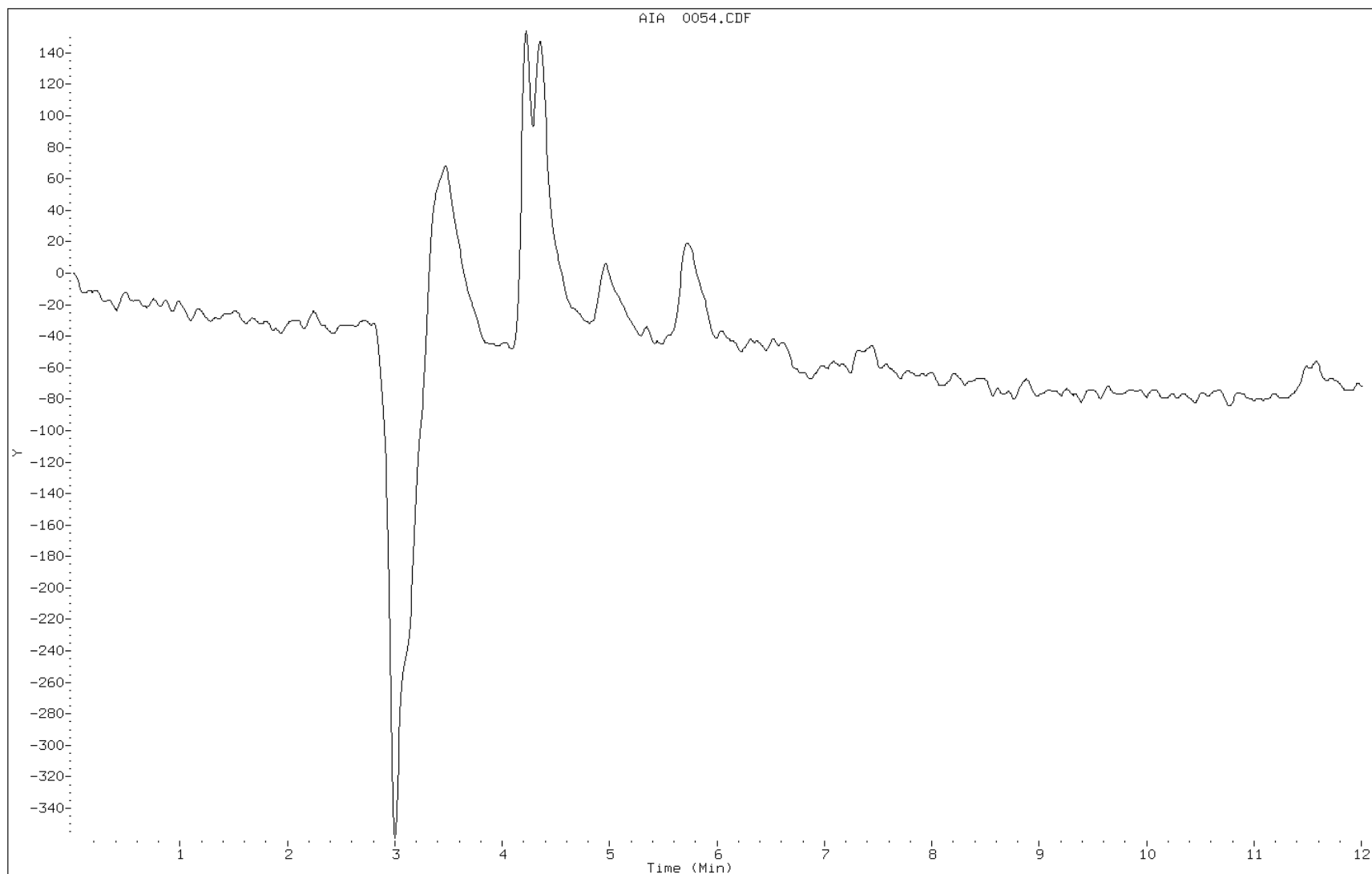
Date: 27-JAN-2011 01:46

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~3G012611

Operator: CB



PC-Titration PLUS

Historical Data Report

Run Number	SampleID	RunDate	RunTime	Order Number	20110126-1	talk-ppm	bcarb ppm	carb ppm	hydr ppm	F-ppm	Acid	Salin	Rest	Temp	FCO2	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
	tap h2o	01/26/2011	7:21 AM	3741		114.61	114.13	.46	.02	-1.00	-1.00	.00	.00	20.30	5.29	0.000	2.865	2.940
	DI	01/26/2011	7:27 AM			.21	.21	.00	.00	-1.00	-1.00	.00	2.33	20.34	1.35	0.000	0.037	0.069
	di	01/26/2011	7:33 AM			.02	.02	.00	.00	-1.00	-1.00	.00	2.56	20.55	.17	0.000	0.030	0.060
	ph icv	01/26/2011	7:45 AM			-1.00	-1.00	.00	.00	-1.00	-1.00	-1.00	-1.00	20.38	-21	-1.000	-1.000	-1.000
	di	01/26/2011	7:51 AM			.31	.31	.00	.00	-1.00	-1.00	.00	1.18	20.45	.57	0.000	0.044	0.079
	mb	01/26/2011	7:56 AM			.12	.12	.00	.00	-1.00	-1.00	.00	2.33	20.60	.73	0.000	0.036	0.070
	lcs	01/26/2011	8:06 AM		206.70	308.40	277.89	29.94	.57	-1.00	-1.00	.00	.00	20.49	.48	5.167	7.710	7.769
	680-64999-B-1	01/26/2011	8:12 AM		.00	9.95	9.94	.00	.00	-1.00	-1.00	.00	.00	20.65	5.03	0.000	0.314	0.379
	680-64999-B-2	01/26/2011	8:18 AM		.00	29.00	28.95	.04	.01	-1.00	-1.00	.00	.00	20.60	3.50	0.000	0.725	0.789
	680-64999-B-3	01/26/2011	8:25 AM		.00	92.33	92.24	.09	.01	-1.00	-1.00	.00	.00	20.63	18.45	0.000	2.308	2.379
	680-64999-B-4	01/26/2011	8:32 AM		.00	116.98	116.79	.18	.01	-1.00	-1.00	.00	.00	20.66	14.41	0.000	2.924	3.002
	680-64999-B-5	01/26/2011	8:38 AM		.00	72.99	72.54	.42	.03	-1.00	-1.00	.00	.00	20.74	2.34	0.000	1.825	1.875
	680-64946-D-1	01/26/2011	8:45 AM		.00	82.02	81.37	.61	.04	-1.00	-1.00	.00	.00	20.91	2.05	0.000	2.050	2.110
	680-64999-B-6	01/26/2011	8:52 AM		.00	51.73	51.40	.30	.03	-1.00	-1.00	.00	.00	20.98	1.66	0.000	1.293	1.345
	680-64999-B-6	01/26/2011	8:59 AM		.00	53.62	53.27	.32	.03	-1.00	-1.00	.00	.00	20.98	1.68	0.000	1.341	1.393
	CCVph	01/26/2011	9:02 AM		-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	20.95	-19	-1.000	-1.000	-1.000
	200-3445-G-1	01/26/2011	9:08 AM		.00	37.30	37.29	.01	.00	-1.00	-1.00	.00	.00	20.88	33.77	0.000	0.933	0.969
	200-3445-G-2	01/26/2011	9:13 AM		.00	43.16	43.15	.01	.00	-1.00	-1.00	.00	.00	20.94	39.43	0.000	1.079	1.134
	200-3445-G-3	01/26/2011	9:19 AM		.00	37.80	37.78	.01	.00	-1.00	-1.00	.00	.00	20.99	25.79	0.000	0.945	0.986
	200-3445-G-4	01/26/2011	9:24 AM		.00	30.74	30.74	.01	.00	-1.00	-1.00	.00	.00	21.02	31.03	0.000	0.769	0.804
	200-3445-G-5	01/26/2011	9:29 AM		.00	38.97	38.96	.01	.00	-1.00	-1.00	.00	.00	21.08	38.22	0.000	0.974	1.017
	680-64999-B-7	01/26/2011	9:36 AM		.00	29.88	29.82	.05	.01	-1.00	-1.00	.00	.00	21.31	3.04	0.000	0.747	0.797
	680-64999-B-7	01/26/2011	9:42 AM		.00	30.09	30.03	.06	.01	-1.00	-1.00	.00	.00	21.35	2.99	0.000	0.752	0.802
	ccvph	01/26/2011	9:46 AM		-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	-1.00	-1.00	21.32	-19	-1.000	-1.000	-1.000
	lcsd	01/26/2011	9:55 AM		206.71	313.70	282.98	30.15	.57	-1.00	-1.00	.00	.00	21.19	.50	5.168	7.843	7.901

02/03/2011

TALS Raw Data Report

Job Number: 680-3445-1
LIMS Batch: 192695
Equipment: NOEQUIP

Laboratory: TestAmerica Savannah

RS# 1 Lab ID: **MB 680-192695/1** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		3 mg/L	5.0 U mg/L				

RS# 2 Lab ID: **LCS 680-192695/2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		305 mg/L	mg/L	98	80 120		

RS# 3 Lab ID: **LCSD 680-192695/3** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		294 mg/L	mg/L	95	80 120	4	25

RS# 4 Lab ID: **680-65101-A-2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		402 mg/L	mg/L				

RS# 5 Lab ID: **680-65101-A-2 DU** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		409 mg/L	mg/L			2	25

RS# 9 Lab ID: **200-3445-A-1** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		1099 mg/L	mg/L				

RS# 10 Lab ID: **200-3445-A-2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		267 mg/L	mg/L				

RS# 11 Lab ID: **200-3445-A-3** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		213 mg/L	mg/L				

RS# 12 Lab ID: **200-3445-A-4** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		275 mg/L	mg/L				

RS# 13 Lab ID: **200-3445-A-5** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		341 mg/L	mg/L				

TALS Raw Data Report

Job Number: 680-64999-1
LIMS Batch: 192695
Equipment: NOEQUIP

Laboratory: TestAmerica Savannah

RS# 1	Lab ID: MB 680-192695/1	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		3 mg/L	mg/L				
RS# 2	Lab ID: LCS 680-192695/2	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		305 mg/L	mg/L	98	80 120		
RS# 3	Lab ID: LCSD 680-192695/3	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		294 mg/L	mg/L	95	80 120	4	25
RS# 4	Lab ID: 680-65101-A-2	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		402 mg/L	mg/L				
RS# 5	Lab ID: 680-65101-A-2 DU	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		409 mg/L	mg/L			2	25
RS# 14	Lab ID: 680-64999-A-1	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		466.1 mg/L	mg/L				
RS# 15	Lab ID: 680-64999-A-2	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		1250 mg/L	mg/L				
RS# 16	Lab ID: 680-64999-A-3	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		1371 mg/L	mg/L				
RS# 17	Lab ID: 680-64999-A-4	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		1228 mg/L	mg/L				
RS# 18	Lab ID: 680-64999-A-5	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		653 mg/L	mg/L				
RS# 19	Lab ID: 680-64999-A-6	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		657 mg/L	mg/L				
RS# 20	Lab ID: 680-64999-A-7	Inj Date: 1/27/2011 2:38:36PM	Dil: 1.0	Meth: 160.1				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Dissolved		972 mg/L	mg/L				

TALS Raw Data Report

RS# 21 Lab ID: **680-64999-A-7 DU** Inj Date: 1/27/2011 3:11:46PM Dil: 1.0 Meth: 160.1

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		1007 mg/L	mg/L			4	25

TALS Raw Data Report

Job Number: 680-65036-1
LIMS Batch: 192695
Equipment: NOEQUIP

Laboratory: TestAmerica Savannah

RS# 1 Lab ID: **MB 680-192695/1** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		3 mg/L	mg/L				

RS# 2 Lab ID: **LCS 680-192695/2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		305 mg/L	mg/L	98	80	120	

RS# 3 Lab ID: **LCSD 680-192695/3** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		294 mg/L	mg/L	95	80	120	4 25

RS# 4 Lab ID: **680-65101-A-2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		402 mg/L	mg/L				

RS# 5 Lab ID: **680-65101-A-2 DU** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		409 mg/L	mg/L			2	25

RS# 6 Lab ID: **680-65036-A-1** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		226 mg/L	mg/L				

TALS Raw Data Report

Job Number: 680-65043-1
LIMS Batch: 192695
Equipment: NOEQUIP

Laboratory: TestAmerica Savannah

RS# 1 Lab ID: **MB 680-192695/1** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		3 mg/L	5.0 U mg/L				

RS# 2 Lab ID: **LCS 680-192695/2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		305 mg/L	mg/L	98	80 120		

RS# 3 Lab ID: **LCSD 680-192695/3** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		294 mg/L	mg/L	95	80 120	4	25

RS# 4 Lab ID: **680-65101-A-2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		402 mg/L	mg/L				

RS# 5 Lab ID: **680-65101-A-2 DU** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		409 mg/L	mg/L			2	25

RS# 7 Lab ID: **680-65043-A-1** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		370 mg/L	mg/L				

RS# 8 Lab ID: **680-65043-A-2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		942 mg/L	mg/L				

TALS Raw Data Report

Job Number: 680-65101-1
LIMS Batch: 192695
Equipment: NOEQUIP

Laboratory: TestAmerica Savannah

RS# 1 Lab ID: **MB 680-192695/1** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		3 mg/L	5.0 U mg/L				

RS# 2 Lab ID: **LCS 680-192695/2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		305 mg/L	mg/L	98	80 120		

RS# 3 Lab ID: **LCSD 680-192695/3** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		294 mg/L	mg/L	95	80 120	4	25

RS# 4 Lab ID: **680-65101-A-2** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		402 mg/L	mg/L				

RS# 5 Lab ID: **680-65101-A-2 DU** Inj Date: 1/27/2011 2:38:36PM Dil: 1.0 Meth: 2540C

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Dissolved		409 mg/L	mg/L			2	25

TALS Raw Data Report

Job Number: 680-3445-1
LIMS Batch: 192494
Equipment: NOEQUIP

Laboratory: TestAmerica Savannah

RS# 1	Lab ID: MB 680-192494/1	Inj Date: 1/26/2011 7:49:13AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		0.500000 mg/L	5.0 U mg/L				
RS# 2	Lab ID: LCS 680-192494/2	Inj Date: 1/26/2011 7:49:52AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		96 mg/L	mg/L	96	80	120	
RS# 3	Lab ID: LCSD 680-192494/3	Inj Date: 1/26/2011 7:50:02AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		85 mg/L	mg/L	85	80	120	12 25
RS# 4	Lab ID: 200-3445-G-1	Inj Date: 1/26/2011 7:51:30AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		5.5 mg/L	mg/L				
RS# 5	Lab ID: 200-3445-G-2	Inj Date: 1/26/2011 7:52:37AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		7.5 mg/L	mg/L				
RS# 6	Lab ID: 200-3445-G-3	Inj Date: 1/26/2011 7:53:56AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		28.5 mg/L	mg/L				
RS# 7	Lab ID: 200-3445-G-4	Inj Date: 1/26/2011 7:54:45AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		14.50000 mg/L	mg/L				
RS# 8	Lab ID: 200-3445-G-5	Inj Date: 1/26/2011 7:55:39AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		2.999999 mg/L	5.0 U mg/L				
RS# 11	Lab ID: 680-65017-A-3	Inj Date: 1/26/2011 8:02:29AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		9.999999 mg/L	mg/L				
RS# 12	Lab ID: 680-65017-A-3 DU	Inj Date: 1/26/2011 8:03:52AM	Dil: 1.0	Meth: 2540D				
	Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
	Total Suspended		11.5 mg/L	mg/L			14	25

TALS Raw Data Report

Job Number: 680-65017-1
LIMS Batch: 192494
Equipment: NOEQUIP

Laboratory: TestAmerica Savannah

RS# 1 Lab ID: **MB 680-192494/1** Inj Date: 1/26/2011 7:49:13AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		0.500000 mg/L	mg/L				

RS# 2 Lab ID: **LCS 680-192494/2** Inj Date: 1/26/2011 7:49:52AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		96 mg/L	mg/L	96	80	120	

RS# 3 Lab ID: **LCSD 680-192494/3** Inj Date: 1/26/2011 7:50:02AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		85 mg/L	mg/L	85	80	120	12 25

RS# 9 Lab ID: **680-65017-A-1** Inj Date: 1/26/2011 7:55:41AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		9.500000 mg/L	mg/L				

RS# 10 Lab ID: **680-65017-A-2** Inj Date: 1/26/2011 7:59:08AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		4.499999 mg/L	mg/L				

RS# 11 Lab ID: **680-65017-A-3** Inj Date: 1/26/2011 8:02:29AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		9.999999 mg/L	mg/L				

RS# 12 Lab ID: **680-65017-A-3 DU** Inj Date: 1/26/2011 8:03:52AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		11.5 mg/L	mg/L			14	25

RS# 13 Lab ID: **680-65017-A-4** Inj Date: 1/26/2011 8:04:20AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		3.000000 mg/L	mg/L				

RS# 14 Lab ID: **680-65017-A-4** Inj Date: 1/26/2011 8:05:13AM Dil: 1.0 Meth: 2540D

Analyte	Rspnse	Raw Res/Units	Final Res/Qual/Units	% Rec	Rec Lmt	% RPD	RPD Lmt
Total Suspended		mg/L	mg/L				

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	CCV	TOCCALSTD4-24	1.000	NPOC:48.97mg/L	Completed	1/26/2011 11:04:04 AM	1
2	MB		1.000	!!Failed!! NPOC:-0.03038mg/L	Completed	1/26/2011 11:18:26 AM	2
3	BICARB/CARB		1.000	NPOC:0.1477mg/L	Completed	1/26/2011 11:32:46 AM	3
4	LCS	TV=20PPM	1.000	NPOC:19.70mg/L	Completed	1/26/2011 12:34:25 PM	4
5	680-64999-i-1		1.000	NPOC:2.161mg/L	Completed	1/26/2011 12:55:29 PM	5
6	680-64999-i-1 MS		1.000	NPOC:21.57mg/L	Completed	1/26/2011 1:09:49 PM	6
7	680-64999-i-1 MSD		1.000	NPOC:21.26mg/L	Completed	1/26/2011 1:20:39 PM	6
8	200-3445-e-1		100.0	NPOC:17.92mg/L	Completed	1/26/2011 1:35:00 PM	7
9	200-3445-e-2		100.0	NPOC:15.43mg/L	Completed	1/26/2011 1:49:21 PM	8
10	200-3445-e-3		1.000	NPOC:1.694mg/L	Completed	1/26/2011 2:03:45 PM	9
11	200-3445-e-4		100.0	NPOC:15.56mg/L	Completed	1/26/2011 2:20:11 PM	10
12	200-3445-e-5		100.0	NPOC:12.83mg/L	Completed	1/26/2011 2:34:31 PM	11
13	680-64999-i-2		1.000	NPOC:2.036mg/L	Completed	1/26/2011 2:48:53 PM	12
14	680-64999-i-3		1.000	NPOC:1.679mg/L	Completed	1/26/2011 3:03:15 PM	13
15	CCV	TOCCALSTD4-24	1.000	NPOC:49.42mg/L	Completed	1/26/2011 3:17:47 PM	1
16	CCB		1.000	NPOC:0.06449mg/L	Completed	1/26/2011 3:32:08 PM	2
17	680-64999-i-4		1.000	NPOC:1.251mg/L	Completed	1/26/2011 3:46:36 PM	16
18	680-64999-i-4 DU		1.000	NPOC:1.250mg/L	Completed	1/26/2011 3:57:25 PM	16
19	680-64999-i-5		1.000	NPOC:1.443mg/L	Completed	1/26/2011 4:11:45 PM	17
20	680-64999-i-6		1.000	NPOC:1.880mg/L	Completed	1/26/2011 4:26:05 PM	18
21	680-64999-i-7		1.000	NPOC:1.481mg/L	Completed	1/26/2011 4:40:25 PM	19
22	CCV	TOCCALSTD4-24	1.000	NPOC:49.44mg/L	Completed	1/26/2011 4:54:54 PM	20
23	CCB		1.000	NPOC:0.1071mg/L	Completed	1/26/2011 5:09:17 PM	21
24	MB-DISS		1.000	NPOC:0.04752mg/L	Completed	1/26/2011 5:23:39 PM	22
25	LCS	TV=20PPM	1.000	NPOC:19.73mg/L	Completed	1/26/2011 5:38:00 PM	23
26	680-64894-c-1		1.000	NPOC:2.821mg/L	Completed	1/26/2011 5:52:22 PM	24
27	680-64894-c-1 MS		1.000	NPOC:22.68mg/L	Completed	1/26/2011 6:06:51 PM	25
28	680-64894-c-1 MSD		1.000	NPOC:22.68mg/L	Completed	1/26/2011 6:17:42 PM	25
29	680-64894-c-2		1.000	NPOC:2.315mg/L	Completed	1/26/2011 6:32:04 PM	26
30	680-64898-h-1		1.000	NPOC:7.238mg/L	Completed	1/26/2011 6:46:25 PM	27
31	680-64905-m-1		1.000	NPOC:0.8391mg/L	Completed	1/26/2011 7:00:46 PM	28
32	680-64905-m-2		1.000	NPOC:0.5439mg/L	Completed	1/26/2011 7:15:07 PM	29
33	680-64905-m-3		1.000	NPOC:0.2258mg/L	Completed	1/26/2011 7:29:30 PM	30
34	680-64905-m-4		1.000	NPOC:0.5992mg/L	Completed	1/26/2011 7:43:50 PM	31
35	680-64947-n-1		1.000	NPOC:0.8874mg/L	Completed	1/26/2011 7:58:13 PM	32
36	CCV	TOCCALSTD4-24	1.000	NPOC:49.82mg/L	Completed	1/26/2011 8:12:44 PM	20
37	CCB		1.000	NPOC:0.1298mg/L	Completed	1/26/2011 8:27:05 PM	21
38	680-64947-n-2		1.000	NPOC:7.212mg/L	Completed	1/26/2011 8:41:35 PM	35
39	680-64947-n-2 DU		1.000	NPOC:7.306mg/L	Completed	1/26/2011 8:52:24 PM	35
40	680-64947-n-3		1.000	NPOC:0.7940mg/L	Completed	1/26/2011 9:08:49 PM	36
41	680-64989-k-1		1.000	NPOC:0.4997mg/L	Completed	1/26/2011 9:23:10 PM	37
42	680-64989-k-2		1.000	NPOC:0.6734mg/L	Completed	1/26/2011 9:37:32 PM	38
43	CCV	TOCCALSTD4-24	1.000	NPOC:49.99mg/L	Completed	1/26/2011 9:51:54 PM	39
44	CCB		1.000	NPOC:0.1111mg/L	Completed	1/26/2011 10:06:16 PM	40

Instr.Information

System TOC-VCPNa
Detector Combustion
Catalyst Regular Sensitivity
Cell Length long

Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-24
Origin: TOC415.1A.met
Status Completed
Chk. Result

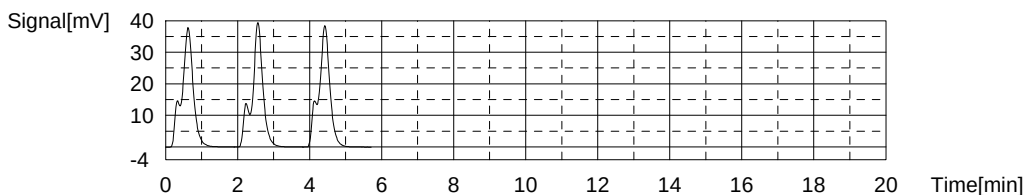
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:48.97mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	84.41	49.38mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 10:59:58 AM
2	83.33	48.75mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 11:02:01 AM
3	83.39	48.78mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 11:04:04 AM

Mean Area 83.71
Mean Conc. 48.97mg/L



Sample

Sample Name: MB
Sample ID: TOC415.1A.met
Origin: TOC415.1A.met
Status Completed
Chk. Result

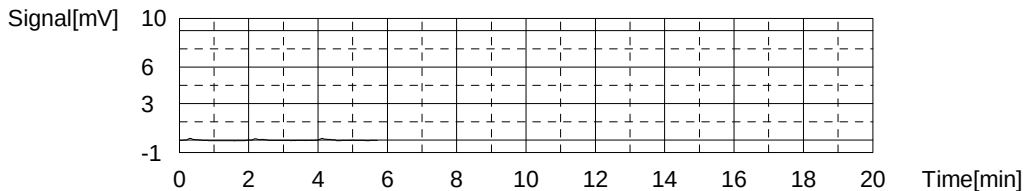
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.03038mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1869	0.01280mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 11:14:20 AM
2	0.000	-0.09675mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 11:16:23 AM
3	0.1528	-0.00719mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 11:18:26 AM

Mean Area 0.1132
Mean Conc. -0.03038mg/L



Sample

Sample Name: BICARB/CARB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

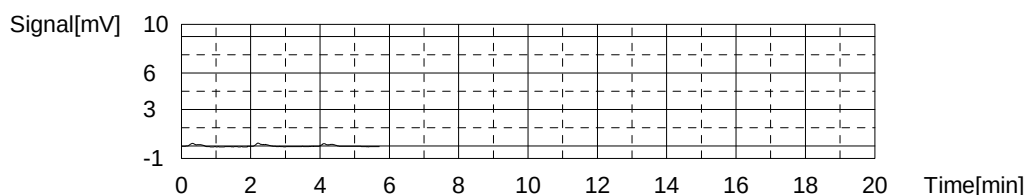
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1477mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4000	0.1377mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 11:28:40 AM
2	0.4641	0.1753mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 11:30:43 AM
3	0.3870	0.1301mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 11:32:46 AM

Mean Area 0.4170
Mean Conc. 0.1477mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status: Completed
Chk. Result

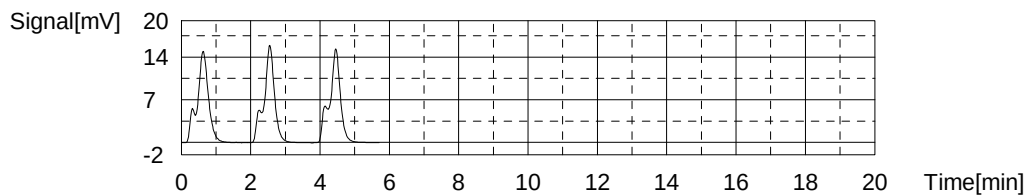
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.70mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.09	19.88mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 12:30:19 PM
2	33.69	19.65mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 12:32:22 PM
3	33.56	19.57mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 12:34:25 PM

Mean Area 33.78
Mean Conc. 19.70mg/L



Sample

Sample Name: 680-64999-i-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

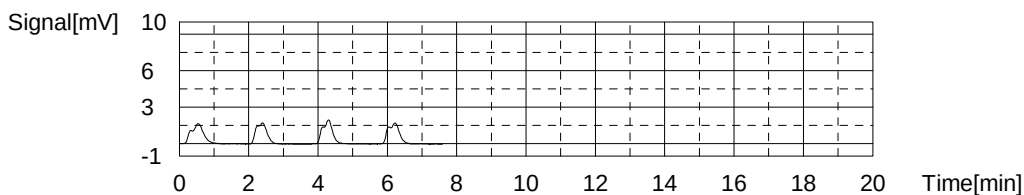
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.161mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.058	2.282mg/L	50uL	1	E	TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 12:49:19 PM
2	3.856	2.163mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 12:51:23 PM
3	3.881	2.178mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 12:53:26 PM
4	3.820	2.142mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 12:55:29 PM

Mean Area 3.852
Mean Conc. 2.161mg/L



Sample

Sample Name: 680-64999-i-1 MS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

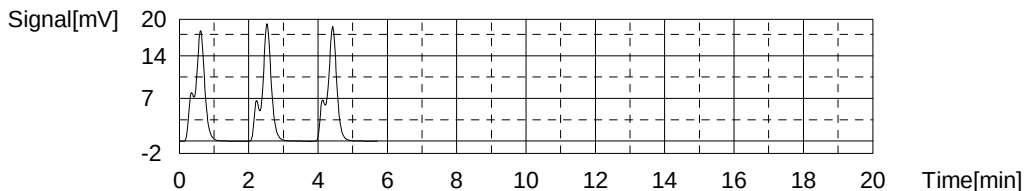
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	37.03	21.61mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:05:43 PM
2	37.10	21.65mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:07:46 PM
3	36.79	21.47mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:09:49 PM

Mean Area 36.97
Mean Conc. 21.57mg/L



Sample

Sample Name: 680-64999-i-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

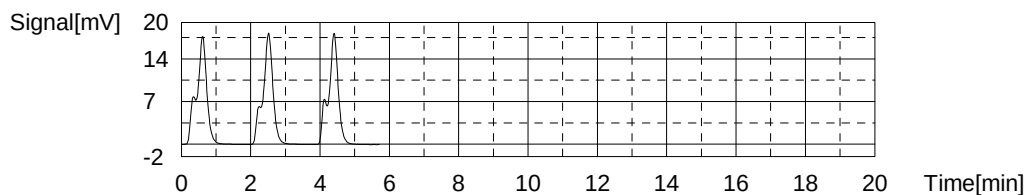
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.26mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.55	21.33mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:16:33 PM
2	36.64	21.38mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:18:36 PM
3	36.13	21.08mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:20:39 PM

Mean Area 36.44
Mean Conc. 21.26mg/L



Sample

Sample Name: 200-3445-e-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

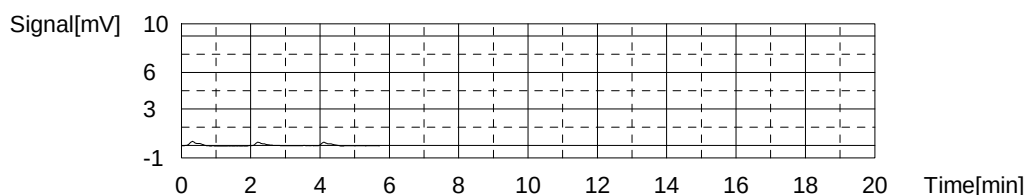
Type	Anal.	Dil.	Result
Unknown	NPOC	100.0	NPOC:17.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5607	23.19mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:30:53 PM
2	0.4222	15.07mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:32:56 PM
3	0.4293	15.49mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:35:00 PM

Mean Area 0.4707
Mean Conc. 17.92mg/L



Sample

Sample Name: 200-3445-e-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	100.0	NPOC:15.43mg/L

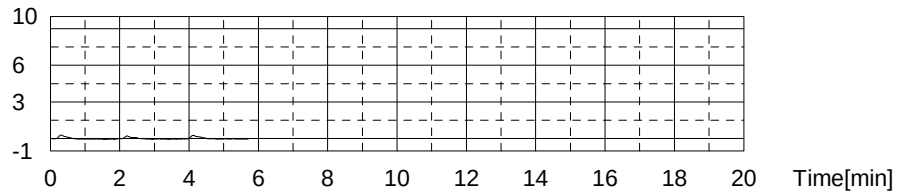
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4507	16.74mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:45:15 PM
2	0.3452	10.56mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:47:18 PM
3	0.4893	19.00mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:49:21 PM

Mean Area 0.4284
Mean Conc. 15.43mg/L

Signal[mV]



Sample

Sample Name: 200-3445-e-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.694mg/L

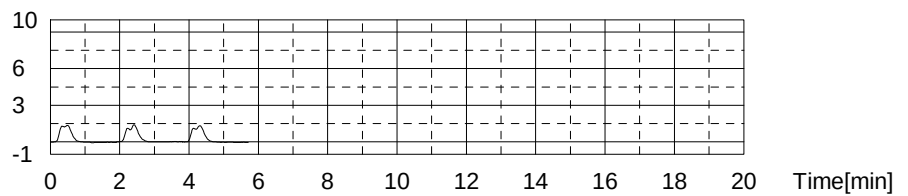
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.072	1.704mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 1:59:38 PM
2	3.097	1.719mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:01:42 PM
3	2.994	1.658mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:03:45 PM

Mean Area 3.054
Mean Conc. 1.694mg/L

Signal[mV]



Sample

Sample Name: 200-3445-e-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

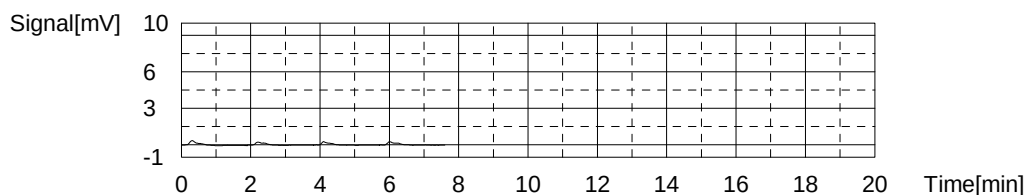
Type	Anal.	Dil.	Result
Unknown	NPOC	100.0	NPOC:15.56mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6027	25.65mg/L	50uL	1	E	TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:14:02 PM
2	0.4089	14.29mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:16:05 PM
3	0.4140	14.59mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:18:08 PM
4	0.4689	17.81mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:20:11 PM

Mean Area 0.4306
Mean Conc. 15.56mg/L



Sample

Sample Name: 200-3445-e-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

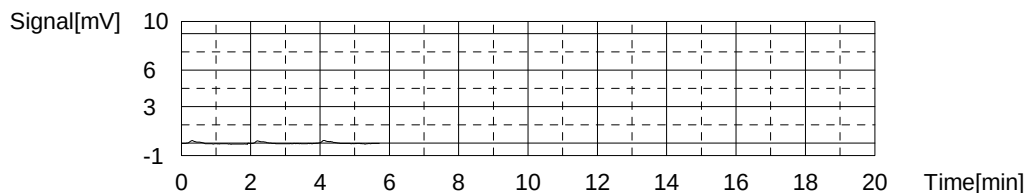
Type	Anal.	Dil.	Result
Unknown	NPOC	100.0	NPOC:12.83mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3780	12.48mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:30:25 PM
2	0.3570	11.25mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:32:28 PM
3	0.4170	14.77mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:34:31 PM

Mean Area 0.3840
Mean Conc. 12.83mg/L



Sample

Sample Name: 680-64999-i-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

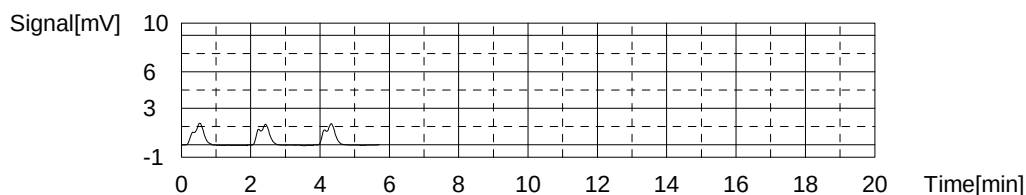
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.036mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.717	2.082mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:44:47 PM
2	3.648	2.041mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:46:50 PM
3	3.551	1.985mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:48:53 PM

Mean Area 3.639
Mean Conc. 2.036mg/L



Sample

Sample Name: 680-64999-i-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

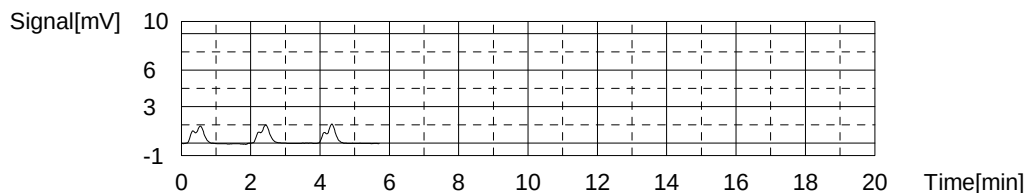
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.679mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.086	1.712mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 2:59:08 PM
2	3.017	1.672mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:01:12 PM
3	2.988	1.655mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:03:15 PM

Mean Area 3.030
Mean Conc. 1.679mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-24
Origin: TOC415.1A.met
Status: Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.42mg/L

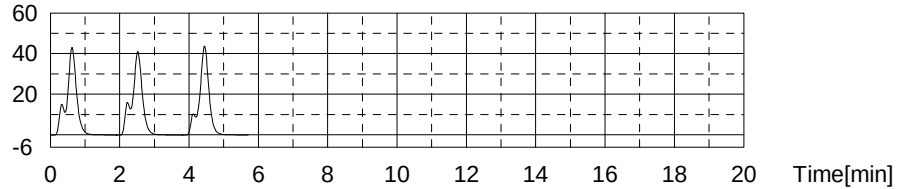
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.12	49.80mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:13:40 PM
2	84.61	49.50mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:15:43 PM
3	83.72	48.97mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:17:47 PM

Mean Area 84.48
Mean Conc. 49.42mg/L

Signal[mV]



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.06449mg/L

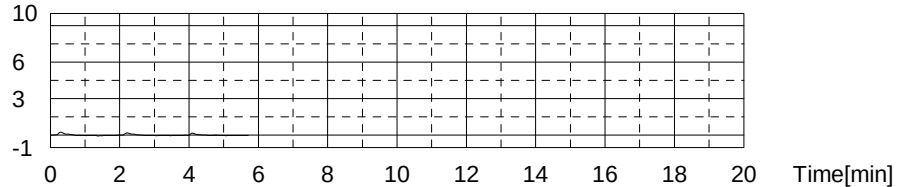
1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3245	0.09345mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:28:02 PM
2	0.3178	0.08952mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:30:05 PM
3	0.1830	0.01051mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:32:08 PM

Mean Area 0.2751
Mean Conc. 0.06449mg/L

Signal[mV]



Sample

Sample Name: 680-64999-i-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

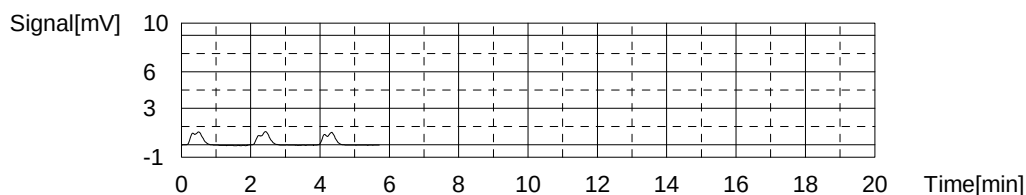
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.251mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.384	1.301mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:42:30 PM
2	2.285	1.243mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:44:33 PM
3	2.227	1.209mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:46:36 PM

Mean Area 2.299
Mean Conc. 1.251mg/L



Sample

Sample Name: 680-64999-i-4 DU
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

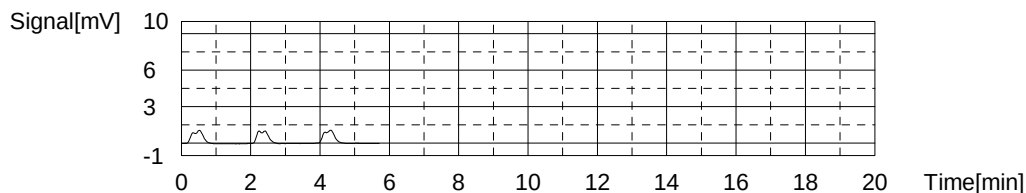
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.250mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.329	1.268mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:53:19 PM
2	2.286	1.243mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:55:22 PM
3	2.280	1.240mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 3:57:25 PM

Mean Area 2.298
Mean Conc. 1.250mg/L



Sample

Sample Name: 680-64999-i-5
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

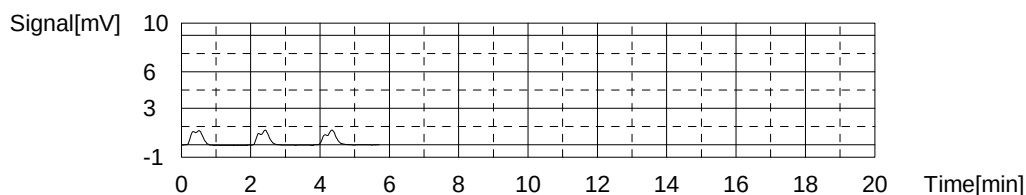
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.443mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.657	1.461mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:07:39 PM
2	2.562	1.405mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:09:42 PM
3	2.664	1.465mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:11:45 PM

Mean Area 2.628
Mean Conc. 1.443mg/L



Sample

Sample Name: 680-64999-i-6
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

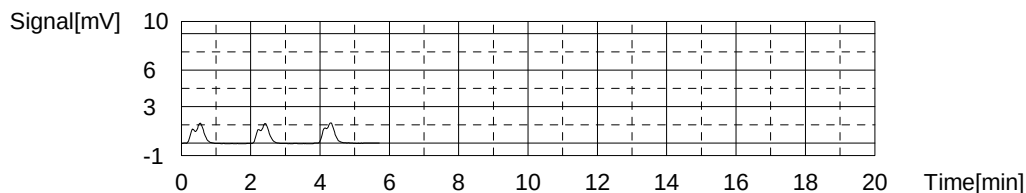
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.880mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.458	1.930mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:21:59 PM
2	3.313	1.845mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:24:02 PM
3	3.347	1.865mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:26:05 PM

Mean Area 3.373
Mean Conc. 1.880mg/L



Sample

Sample Name: 680-64999-i-7
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

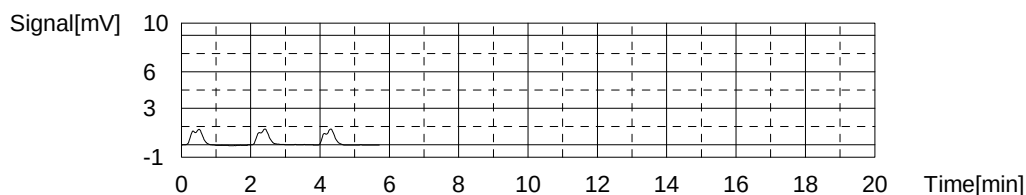
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.481mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.716	1.495mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:36:19 PM
2	2.695	1.483mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:38:22 PM
3	2.665	1.465mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:40:25 PM

Mean Area 2.692
Mean Conc. 1.481mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-24
Origin: TOC415.1A.met
Status: Completed
Chk. Result

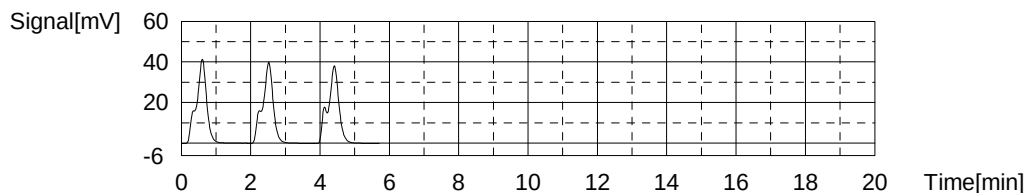
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.44mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	84.98	49.71mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:50:46 PM
2	84.60	49.49mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:52:50 PM
3	83.95	49.11mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 4:54:54 PM

Mean Area 84.51
Mean Conc. 49.44mg/L



Sample

Sample Name: CCB
Sample ID: TOC415.1A.met
Origin: TOC415.1A.met
Status: Completed
Chk. Result

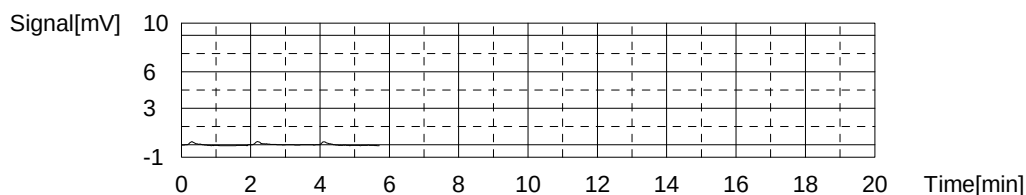
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1071mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3655	0.1175mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:05:10 PM
2	0.3439	0.1048mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:07:13 PM
3	0.3341	0.09908mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:09:17 PM

Mean Area 0.3478
Mean Conc. 0.1071mg/L



Sample

Sample Name: MB-DISS
Sample ID: TOC415.1A.met
Origin: Completed
Status: Completed
Chk. Result

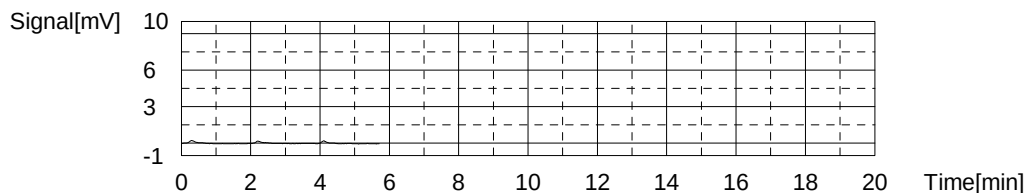
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.04752mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2398	0.04380mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:19:32 PM
2	0.2375	0.04246mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:21:35 PM
3	0.2611	0.05629mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:23:39 PM

Mean Area 0.2461
Mean Conc. 0.04752mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status: Completed
Chk. Result

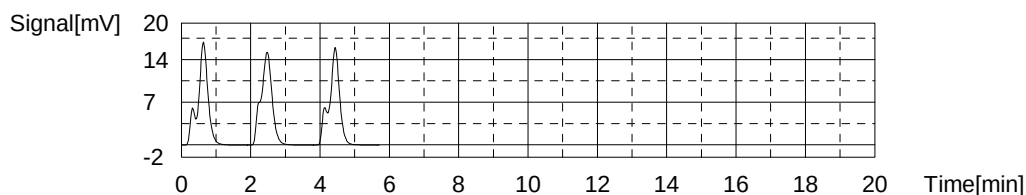
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.73mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.25	19.98mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:33:54 PM
2	33.88	19.76mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:35:57 PM
3	33.37	19.46mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:38:00 PM

Mean Area 33.83
Mean Conc. 19.73mg/L



Sample

Sample Name: 680-64894-c-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

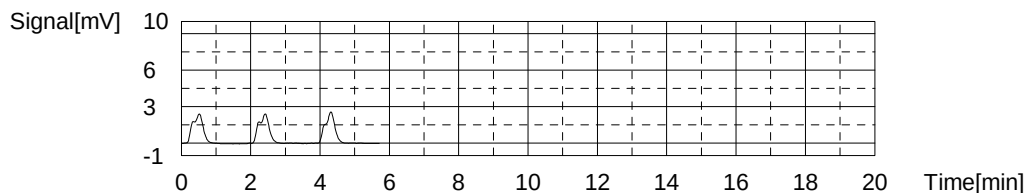
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.821mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.076	2.878mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:48:16 PM
2	4.940	2.799mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:50:19 PM
3	4.918	2.786mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 5:52:22 PM

Mean Area 4.978
Mean Conc. 2.821mg/L



Sample

Sample Name: 680-64894-c-1 MS
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

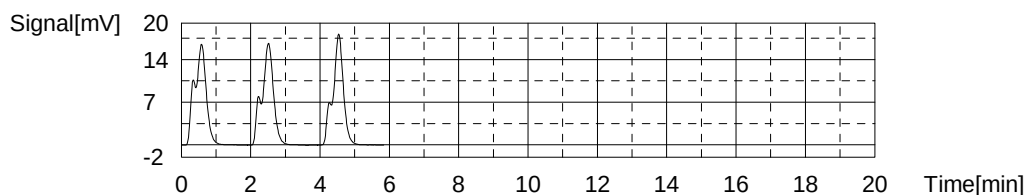
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.09	22.82mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:02:37 PM
2	38.92	22.72mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:04:48 PM
3	38.57	22.51mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:06:51 PM

Mean Area 38.86
Mean Conc. 22.68mg/L



Sample

Sample Name: 680-64894-c-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

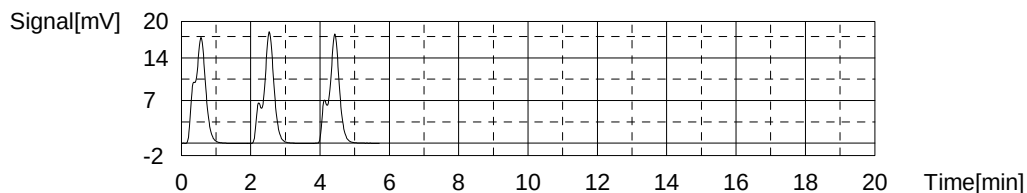
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.89	22.70mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:13:36 PM
2	39.16	22.86mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:15:39 PM
3	38.55	22.50mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:17:42 PM

Mean Area 38.87
Mean Conc. 22.68mg/L



Sample

Sample Name: 680-64894-c-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

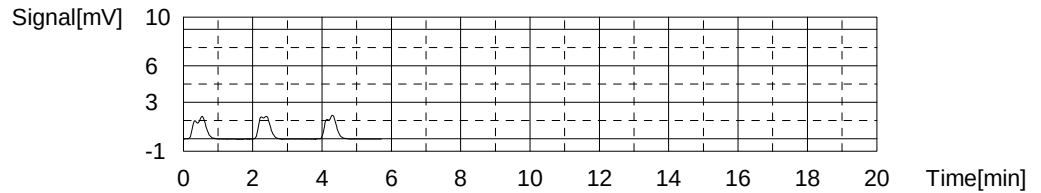
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.315mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.158	2.340mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:27:57 PM
2	4.105	2.309mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:30:01 PM
3	4.079	2.294mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:32:04 PM

Mean Area 4.114
Mean Conc. 2.315mg/L



Sample

Sample Name: 680-64898-h-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

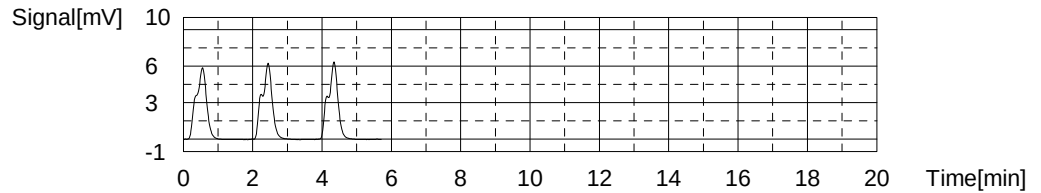
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.238mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.33	7.130mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:42:19 PM
2	12.73	7.365mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:44:22 PM
3	12.48	7.218mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:46:25 PM

Mean Area 12.51
Mean Conc. 7.238mg/L



Sample

Sample Name: 680-64905-m-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

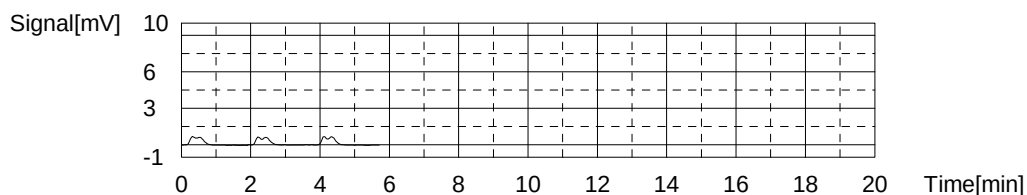
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8391mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.657	0.8745mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:56:39 PM
2	1.512	0.7895mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 6:58:42 PM
3	1.621	0.8534mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:00:46 PM

Mean Area 1.597
Mean Conc. 0.8391mg/L



Sample

Sample Name: 680-64905-m-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

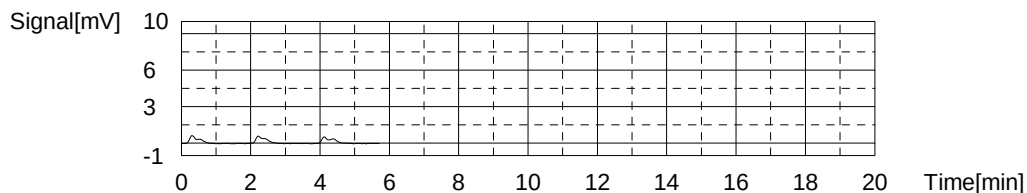
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5439mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.151	0.5779mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:11:01 PM
2	1.058	0.5234mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:13:04 PM
3	1.070	0.5304mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:15:07 PM

Mean Area 1.093
Mean Conc. 0.5439mg/L



Sample

Sample Name: 680-64905-m-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

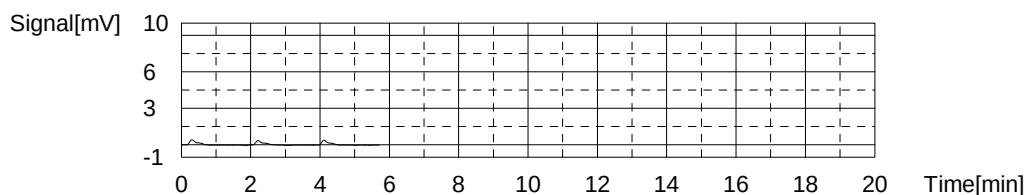
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2258mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5517	0.2266mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:25:23 PM
2	0.5161	0.2058mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:27:26 PM
3	0.5833	0.2451mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:29:30 PM

Mean Area 0.5504
Mean Conc. 0.2258mg/L



Sample

Sample Name: 680-64905-m-4
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

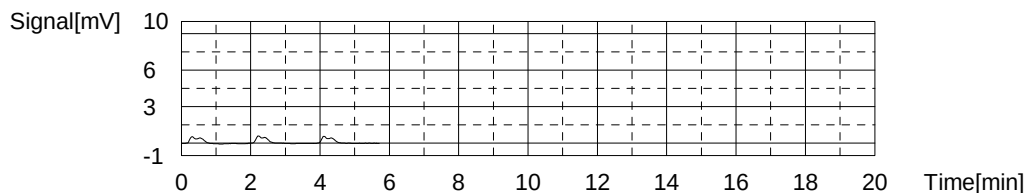
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5992mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.240	0.6301mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:39:44 PM
2	1.159	0.5826mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:41:47 PM
3	1.163	0.5849mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:43:50 PM

Mean Area 1.187
Mean Conc. 0.5992mg/L



Sample

Sample Name: 680-64947-n-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

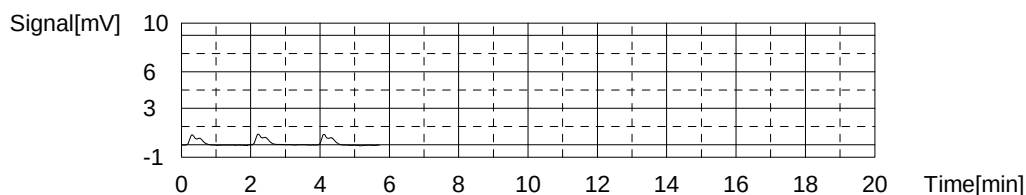
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8874mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.653	0.8721mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:54:06 PM
2	1.692	0.8950mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:56:09 PM
3	1.692	0.8950mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 7:58:13 PM

Mean Area 1.679
Mean Conc. 0.8874mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-24
Origin: TOC415.1A.met
Status: Completed
Chk. Result

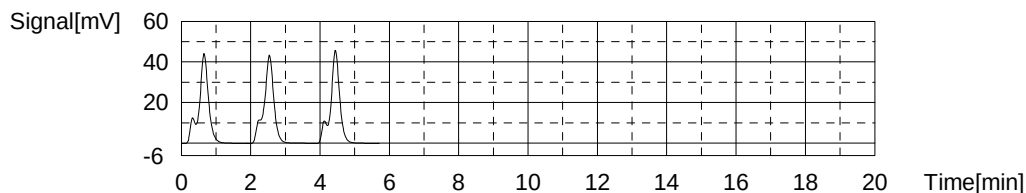
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.98	50.30mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:08:38 PM
2	85.20	49.84mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:10:41 PM
3	84.31	49.32mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:12:44 PM

Mean Area 85.16
Mean Conc. 49.82mg/L



Sample

Sample Name: CCB
Sample ID: TOC415.1A.met
Origin: TOC415.1A.met
Status: Completed
Chk. Result

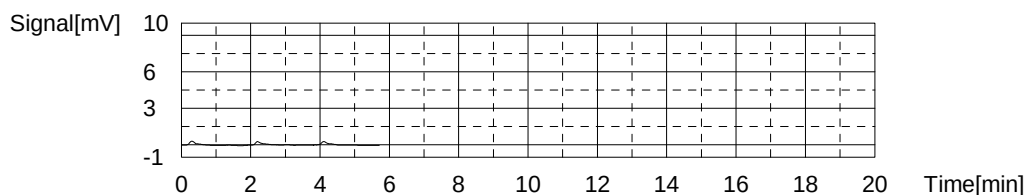
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1298mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4148	0.1464mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:22:59 PM
2	0.3744	0.1227mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:25:02 PM
3	0.3706	0.1205mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:27:05 PM

Mean Area 0.3866
Mean Conc. 0.1298mg/L



Sample

Sample Name: 680-64947-n-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

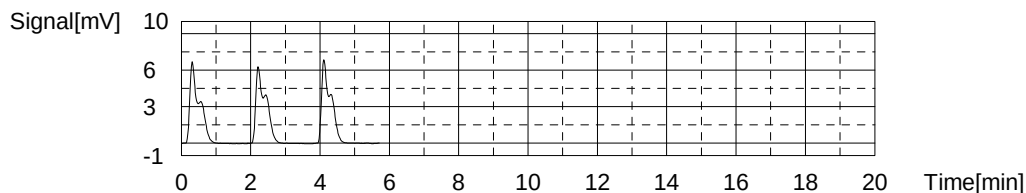
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.212mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.54	7.253mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:37:28 PM
2	12.42	7.183mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:39:32 PM
3	12.45	7.201mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:41:35 PM

Mean Area 12.47
Mean Conc. 7.212mg/L



Sample

Sample Name: 680-64947-n-2 DU
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

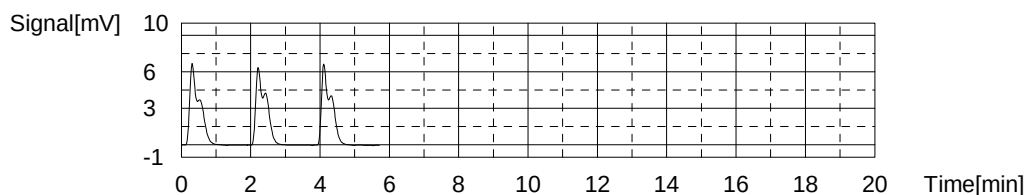
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.306mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.79	7.400mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:48:18 PM
2	12.68	7.335mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:50:21 PM
3	12.42	7.183mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 8:52:24 PM

Mean Area 12.63
Mean Conc. 7.306mg/L



Sample

Sample Name: 680-64947-n-3
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

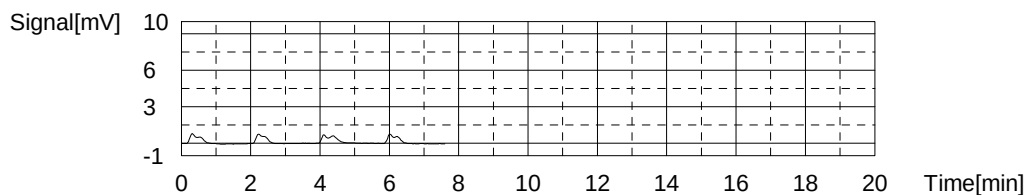
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7940mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.570	0.8235mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:02:39 PM
2	1.449	0.7526mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:04:43 PM
3	1.717	0.9096mg/L	50uL	1	E	TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:06:46 PM
4	1.540	0.8059mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:08:49 PM

Mean Area 1.520
Mean Conc. 0.7940mg/L



Sample

Sample Name: 680-64989-k-1
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

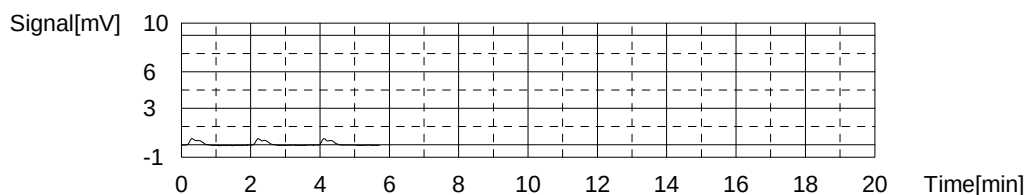
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4997mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.053	0.5205mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:19:04 PM
2	1.065	0.5275mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:21:07 PM
3	0.9349	0.4512mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:23:10 PM

Mean Area 1.018
Mean Conc. 0.4997mg/L



Sample

Sample Name: 680-64989-k-2
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

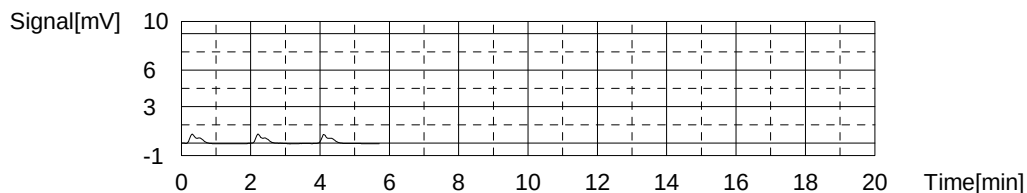
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6734mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.357	0.6986mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:33:25 PM
2	1.286	0.6570mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:35:29 PM
3	1.299	0.6646mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:37:32 PM

Mean Area 1.314
Mean Conc. 0.6734mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-24
Origin: TOC415.1A.met
Status: Completed
Chk. Result

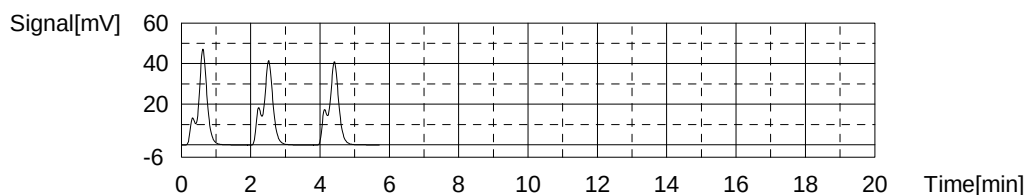
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.99mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.85	50.22mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:47:48 PM
2	85.55	50.05mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:49:51 PM
3	84.94	49.69mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 9:51:54 PM

Mean Area 85.45
Mean Conc. 49.99mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

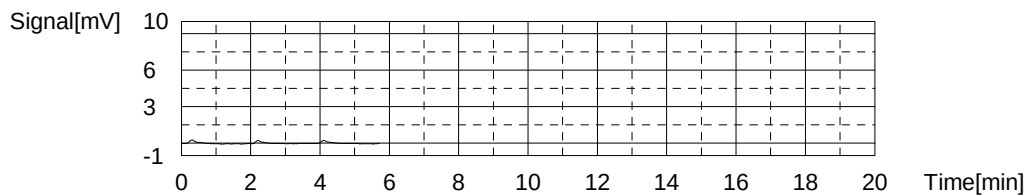
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1111mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3820	0.1272mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 10:02:09 PM
2	0.3533	0.1103mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 10:04:13 PM
3	0.3287	0.09591mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/26/2011 10:06:16 PM

Mean Area 0.3547
Mean Conc. 0.1111mg/L



Instr. Information

System TOC-VCPNa
Detector Combustion
Catalyst Regular Sensitivity
Cell Length long

Cal. Curve

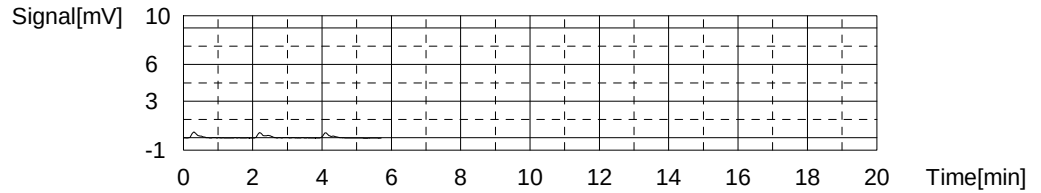
Sample Name: TC
Sample ID: TC
Cal. Curve: TOCCURVE100.2011_01_12_11_18_52.cal
Status Completed

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.5998	50uL	1	*****		1/12/2011 11:23:50 AM
2	0.6889	50uL	1	*****		1/12/2011 11:25:53 AM
3	0.5601	50uL	1	*****		1/12/2011 11:27:56 AM

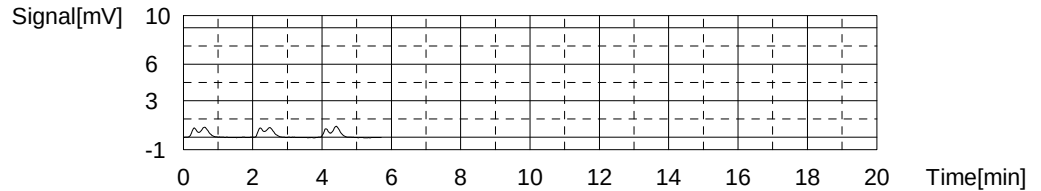
Acid Add. 0.000%
Mean Area 0.6163



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.059	50uL	1	*****		1/12/2011 11:33:48 AM
2	2.045	50uL	1	*****		1/12/2011 11:35:51 AM
3	2.054	50uL	1	*****		1/12/2011 11:37:54 AM

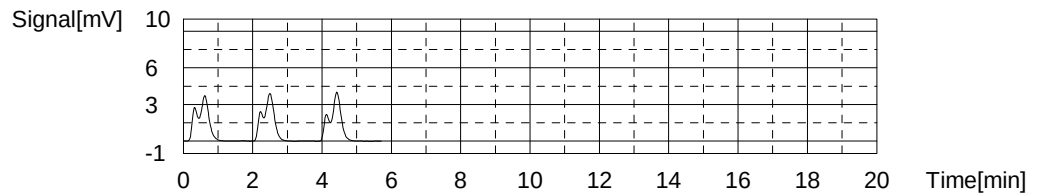
Acid Add. 0.000%
Mean Area 2.053



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	8.999	50uL	1	*****		1/12/2011 11:43:46 AM
2	8.958	50uL	1	*****		1/12/2011 11:45:49 AM
3	8.761	50uL	1	*****		1/12/2011 11:47:52 AM

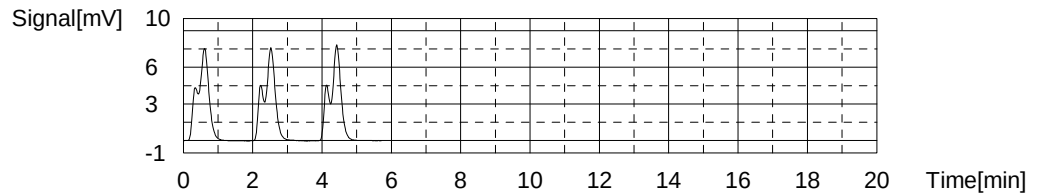
Acid Add. 0.000%
Mean Area 8.906



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.34	50uL	1	*****		1/12/2011 11:53:44 AM
2	17.33	50uL	1	*****		1/12/2011 11:55:47 AM
3	17.20	50uL	1	*****		1/12/2011 11:57:50 AM

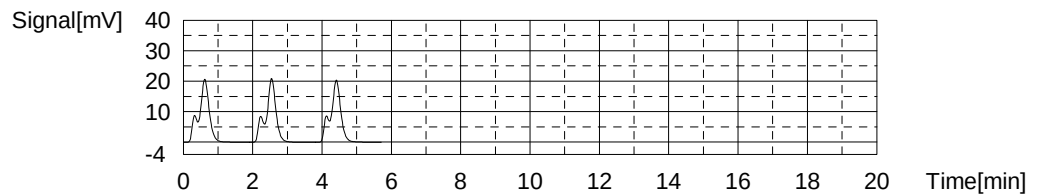
Acid Add. 0.000%
Mean Area 17.29



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	42.94	50uL	1	*****		1/12/2011 12:03:42 PM
2	42.45	50uL	1	*****		1/12/2011 12:05:45 PM
3	42.00	50uL	1	*****		1/12/2011 12:07:48 PM

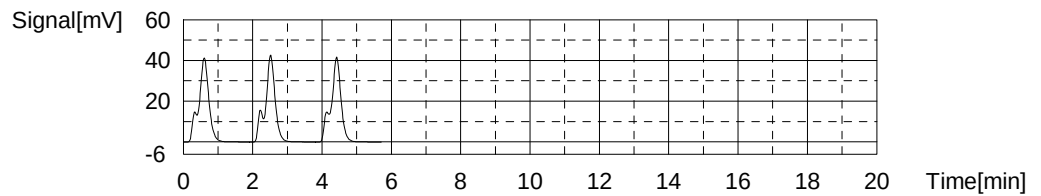
Acid Add. 0.000%
Mean Area 42.46



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	84.51	50uL	1	*****		1/12/2011 12:13:40 PM
2	84.46	50uL	1	*****		1/12/2011 12:15:43 PM
3	83.70	50uL	1	*****		1/12/2011 12:17:46 PM

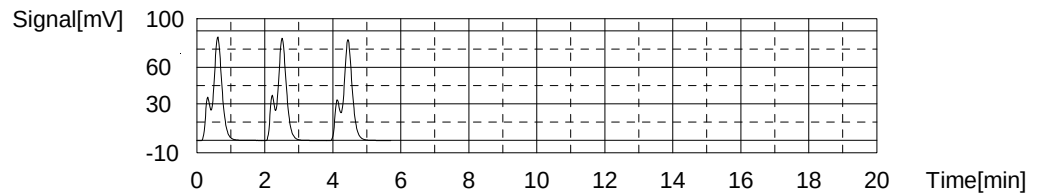
Acid Add. 0.000%
Mean Area 84.22



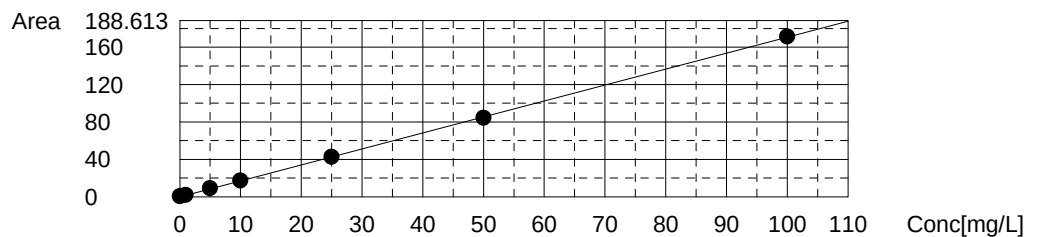
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	172.4	50uL	1	*****		1/12/2011 12:23:37 PM
2	171.4	50uL	1	*****		1/12/2011 12:25:40 PM
3	170.6	50uL	1	*****		1/12/2011 12:27:43 PM

Acid Add. 0.000%
Mean Area 171.5



Slope: 1.706
Intercept 0.1651
 r^2 0.999896
 r 0.999948
Zero Shift No



Sample

Sample Name: 5.0ppm STD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

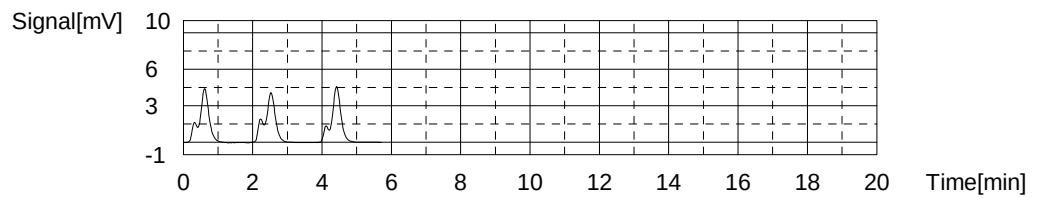
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.005mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.822	5.074mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 12:57:08 PM
2	8.664	4.982mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 12:59:12 PM
3	8.624	4.958mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:01:15 PM

Mean Area 8.703
Mean Conc. 5.005mg/L



Sample

Sample Name: 25ppm STD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

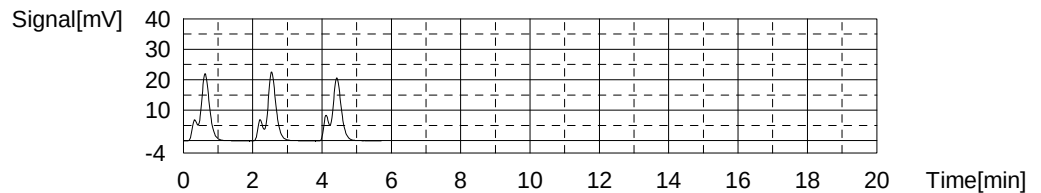
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:24.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.80	24.99mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:11:31 PM
2	42.74	24.95mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:13:34 PM
3	42.08	24.57mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:15:37 PM

Mean Area 42.54
Mean Conc. 24.84mg/L



Sample

Sample Name: 50ppm STD
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

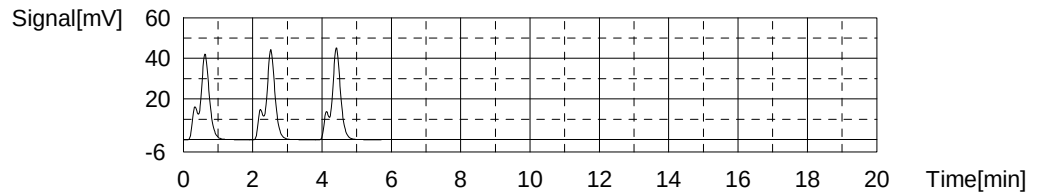
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.48mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	84.80	49.61mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:25:52 PM
2	84.75	49.58mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:27:55 PM
3	84.19	49.25mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:29:58 PM

Mean Area 84.58
Mean Conc. 49.48mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

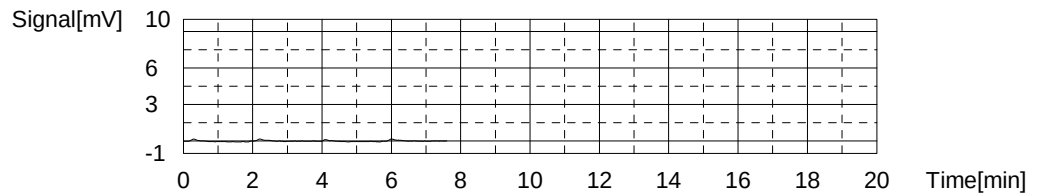
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.05803mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2524	0.05119mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:40:27 PM
2	0.2479	0.04855mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:42:30 PM
3	0.000	-0.09675mg/L	50uL	1	E	TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:44:33 PM
4	0.2919	0.07434mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/12/2011 1:46:36 PM

Mean Area 0.2641
Mean Conc. 0.05803mg/L



Sample

Sample Name: ICV
Sample ID: TOCICV 12
Origin: TOC415.1A.met
Status: Completed
Chk. Result

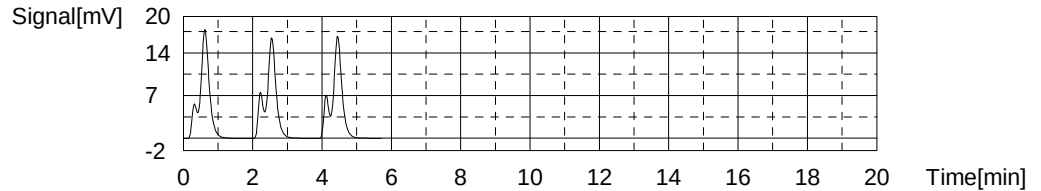
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.83mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.32	20.02mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/13/2011 3:04:28 PM
2	34.04	19.86mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/13/2011 3:06:31 PM
3	33.61	19.60mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/13/2011 3:08:34 PM

Mean Area 33.99
Mean Conc. 19.83mg/L



Sample

Sample Name: ICB
Sample ID:
Origin: TOC415.1A.met
Status: Completed
Chk. Result

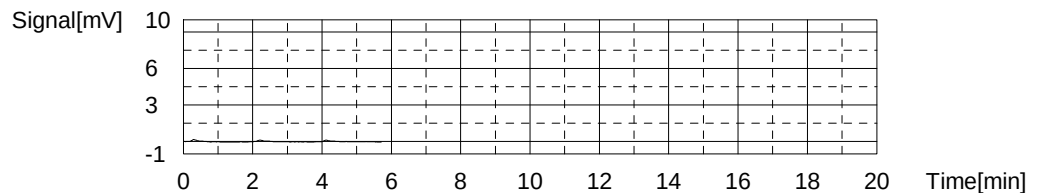
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.01370mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.2119	0.02745mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/13/2011 3:18:50 PM
2	0.1751	0.00588mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/13/2011 3:20:53 PM
3	0.1783	0.00776mg/L	50uL	1		TOCCURVE100.2011_01_12_11_18_52.cal	1/13/2011 3:22:56 PM

Mean Area 0.1884
Mean Conc. 0.01370mg/L



	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	TC	TC	1.000		Completed	1/12/2011 12:27:43 PM	1, 2, 3, 4, 5, 6, 7
2	5.0ppm STD		1.000	NPOC:5.005mg/L	Completed	1/12/2011 1:01:15 PM	3
3	25ppm STD		1.000	NPOC:24.84mg/L	Completed	1/12/2011 1:15:37 PM	5
4	50ppm STD		1.000	NPOC:49.48mg/L	Completed	1/12/2011 1:29:58 PM	6
5	CCB		1.000	NPOC:0.05803mg/L	Completed	1/12/2011 1:46:36 PM	1
6	ICV	TOCICV 12	1.000	NPOC:19.83mg/L	Completed	1/13/2011 3:08:34 PM	8
7	ICB		1.000	NPOC:0.01370mg/L	Completed	1/13/2011 3:22:56 PM	9

General Chemistry Worksheet

Batch Number: 680-191657

Date Open: Jan 14 2011 1:16AM

Method: 300.0

Batch End:

Analyst: Brazell, Connie

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Anion-1_00053	Anion-2_00050	Anion-3_00046	Anion-4_00063
IC~680-191657/1		300.0		1 mL	5 mL	5 mL			
IC~680-191657/2		300.0		1 mL	5 mL		5 mL		
IC~680-191657/3		300.0		1 mL	5 mL			5 mL	
IC~680-191657/4		300.0		1 mL	5 mL				5 mL
IC~680-191657/5		300.0		1 mL	5 mL				
IC~680-191657/6		300.0		1 mL	5 mL				
IC~680-191657/7		300.0		1 mL	5 mL				
ICB~680-191657/8				1 mL	5 mL				
ICV~680-191657/9				1 mL	5 mL				
CCV~680-191657/10				1 mL	5 mL				5 mL
CCB~680-191657/11				1 mL	5 mL				

General Chemistry Worksheet

Batch Number: 680-191657

Date Open: Jan 14 2011 1:16AM

Method: 300.0

Batch End:

Analyst: Brazell, Connie

Lab ID	Client ID	Method Chain	Basis	Anion-5_00050	Anion-6_00046	Anion-7_00008	Anion_ICV_00045
IC~680-191657/1		300.0					
IC~680-191657/2		300.0					
IC~680-191657/3		300.0					
IC~680-191657/4		300.0					
IC~680-191657/5		300.0		5 mL			
IC~680-191657/6		300.0			5 mL		
IC~680-191657/7		300.0				5 mL	
ICB~680-191657/8							
ICV~680-191657/9							5 mL
CCV~680-191657/1 0							
CCB~680-191657/1 1							

Filter Lot #:	IC_5MLCAP_1
Eluent 1 Lot:	IC_ELUGEN_1
Regeneration Solution Lot:	N/A
Ethylenediamine Lot:	N/A

General Chemistry Worksheet

Batch Number: 680-191657

Method: 300.0

Analyst: Brazell, Connie

Date Open: Jan 14 2011 1:16AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
IC~680-191657/1		300.0		
IC~680-191657/2		300.0		
IC~680-191657/3		300.0		
IC~680-191657/4		300.0		
IC~680-191657/5		300.0		
IC~680-191657/6		300.0		
IC~680-191657/7		300.0		
ICB~680-191657/8				
ICV~680-191657/9				
CCV~680-191657/1 0				
CCB~680-191657/1 1				

Batch Comment:

NONE

General Chemistry Worksheet

Batch Number: 680-192494

Date Open: Jan 26 2011 7:48AM

Method: 160.2

Batch End:

Analyst: Jackson, Michelle S

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-192494/1		SM 2540D		P5133	0.1253 g	200 mL	0.1253 g	0.1254 g	0 g
LCS~680-192494/2		SM 2540D		P5134	0.1222 g	200 mL	0.1411 g	0.1414 g	0 g
LCSD~680-192494/3		SM 2540D		P5135	0.1258 g	200 mL	0.1428 g	0.1428 g	0 g
200-3445-G-1	MW-5	SM 2540D	T	P5136	0.1220 g	200 mL	0.1230 g	0.1231 g	0 g
200-3445-G-2	MW-1	SM 2540D	T	P5137	0.1321 g	200 mL	0.1333 g	0.1336 g	0 g
200-3445-G-3	MW-2	SM 2540D	T	P5138	0.1208 g	200 mL	0.1261 g	0.1265 g	0 g
200-3445-G-4	MW-3	SM 2540D	T	P5139	0.1319 g	200 mL	0.1344 g	0.1348 g	0 g
200-3445-G-5	MW-4	SM 2540D	T	P5140	0.1218 g	200 mL	0.1220 g	0.1224 g	0 g
680-65017-A-1			T	P5141	0.1248 g	200 mL	0.1265 g	0.1267 g	0 g
680-65017-A-2			T	P5142	0.1217 g	200 mL	0.1226 g	0.1226 g	0 g
680-65017-A-3			T	P5143	0.1194 g	200 mL	0.1212 g	0.1214 g	0 g
680-65017-A-3~DU			T	P5144	0.1221 g	200 mL	0.1245 g	0.1244 g	0 g
680-65017-A-4			T	P5145	0.1224 g	200 mL	0.1229 g	0.1230 g	0 g
680-65017-A-4			T	P5145	0.1224 g	200 mL			

General Chemistry Worksheet

Batch Number: 680-192494

Date Open: Jan 26 2011 7:48AM

Method: 160.2

Batch End:

Analyst: Jackson, Michelle S

Lab ID	Client ID	Method Chain	Basis	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Final weight/volume of sample	TSS LCS_00213
MB~680-192494/1		SM 2540D		PASS_D g	0.0000 g	0.0001 g	200 mL	
LCS~680-192494/2		SM 2540D		PASS_D g	0.0189 g	0.0192 g	200 mL	200 mL
LCSD~680-192494/ 3		SM 2540D		PASS_D g	0.0170 g	0.017 g	200 mL	200 mL
200-3445-G-1	MW-5	SM 2540D	T	PASS_D g	0.0010 g	0.0011 g	200 mL	
200-3445-G-2	MW-1	SM 2540D	T	PASS_D g	0.0012 g	0.0015 g	200 mL	
200-3445-G-3	MW-2	SM 2540D	T	PASS_D g	0.0053 g	0.0057 g	200 mL	
200-3445-G-4	MW-3	SM 2540D	T	PASS_D g	0.0025 g	0.0029 g	200 mL	
200-3445-G-5	MW-4	SM 2540D	T	PASS_D g	0.0002 g	0.0006 g	200 mL	
680-65017-A-1			T	PASS_D g	0.0017 g	0.0019 g	200 mL	
680-65017-A-2			T	PASS_D g	0.0009 g	0.0009 g	200 mL	
680-65017-A-3			T	PASS_D g	0.0018 g	0.002 g	200 mL	
680-65017-A-3~DU			T	PASS_D g	0.0024 g	0.0023 g	200 mL	
680-65017-A-4			T	PASS_D g	0.0005 g	0.0006 g	200 mL	
680-65017-A-4			T					

Nominal Amount Used: 200 mL

Oven ID: B

Date samples were place in the oven: 01/26/11

Uncorrected In Temperature: 105 Celsius

Date samples were removed from oven: 01/28/11

Uncorrected Out Temperature: 105 Celsius

Oven Temp when samples removed from oven: 105 Celsius

Balance ID: 13

Filter Paper Lot Number: 2800338-0340r2

General Chemistry Worksheet

Batch Number: 680-192494

Method: 160.2

Analyst: Jackson, Michelle S

Date Open: Jan 26 2011 7:48AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-192494/1		SM 2540D		
LCS~680-192494/2		SM 2540D		
LCSD~680-192494/3		SM 2540D		
200-3445-G-1	MW-5	SM 2540D	T	
200-3445-G-2	MW-1	SM 2540D	T	
200-3445-G-3	MW-2	SM 2540D	T	
200-3445-G-4	MW-3	SM 2540D	T	
200-3445-G-5	MW-4	SM 2540D	T	
680-65017-A-1			T	
680-65017-A-2			T	
680-65017-A-3			T	
680-65017-A-3~DU			T	
680-65017-A-4			T	
680-65017-A-4			T	

Batch Comment:

NA

General Chemistry Worksheet

Batch Number: 680-192534

Method: SM 2320B

Analyst: Jackson, Michelle S

Date Open: Jan 26 2011 7:21AM

Batch End: Jan 26 2011 9:55AM

Lab ID	Client ID	Method Chain	Basis	Calculation Message	Alk LCS_00076
tap~h2o				InitialAmount is blank	
DI				InitialAmount is blank	
di				InitialAmount is blank	
ph~icv				InitialAmount is blank	
di				InitialAmount is blank	
MB~680-192534/6		SM 2320B		InitialAmount is blank	
LCS~680-192534/7		SM 2320B		InitialAmount is blank	25 mL
680-64999-B-1			T	InitialAmount is blank	
680-64999-B-2			T	InitialAmount is blank	
680-64999-B-3			T	InitialAmount is blank	
680-64999-B-4			T	InitialAmount is blank	
680-64999-B-5			T	InitialAmount is blank	
680-64946-D-1			T	InitialAmount is blank	
680-64999-B-6			T	InitialAmount is blank	
680-64999-B-6~DU			T	InitialAmount is blank	
CCVph				InitialAmount is blank	
200-3445-G-1	MW-5	SM 2320B	T	InitialAmount is blank	
200-3445-G-2	MW-1	SM 2320B	T	InitialAmount is blank	
200-3445-G-3	MW-2	SM 2320B	T	InitialAmount is blank	
200-3445-G-4	MW-3	SM 2320B	T	InitialAmount is blank	
200-3445-G-5	MW-4	SM 2320B	T	InitialAmount is blank	
680-64999-B-7			T	InitialAmount is blank	
680-64999-B-7~DU			T	InitialAmount is blank	
ccvph				InitialAmount is blank	
LCSD~680-192534/ 25		SM 2320B		InitialAmount is blank	25 mL

First Start time: 0721
 First End time: 0955
 Nominal Amount Used: 25 mL
 Normality of first Titrant: .02 N
 Lot # of hydrochloric acid: NA
 HCl Vendor: NA
 Sulfuric Acid Lot Number: SC94C100223
 Sulfuric Acid Vendor: NCL

General Chemistry Worksheet

Batch Number: 680-192534

Method: SM 2320B

Analyst: Jackson, Michelle S

Date Open: Jan 26 2011 7:21AM

Batch End: Jan 26 2011 9:55AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
tap~h2o				
DI				
di				
ph~icv				
di				
MB~680-192534/6		SM 2320B		
LCS~680-192534/7		SM 2320B		
680-64999-B-1			T	
680-64999-B-2			T	
680-64999-B-3			T	
680-64999-B-4			T	
680-64999-B-5			T	
680-64946-D-1			T	
680-64999-B-6			T	
680-64999-B-6~DU			T	
CCVph				
200-3445-G-1	MW-5	SM 2320B	T	
200-3445-G-2	MW-1	SM 2320B	T	
200-3445-G-3	MW-2	SM 2320B	T	
200-3445-G-4	MW-3	SM 2320B	T	
200-3445-G-5	MW-4	SM 2320B	T	
680-64999-B-7			T	
680-64999-B-7~DU			T	
ccvph				
LCSD~680-192534/25		SM 2320B		

Batch Comment:

NA

General Chemistry Worksheet

Batch Number: 680-192613

Date Open: Jan 26 2011 11:07PM

Method: 300.0

Batch End:

Analyst: Brazell, Connie

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	All_Anions_00024	Anion-4_00063
CCV~680-192613/1		300.0		1 mL	5 mL		5 mL
MB~680-192613/2		300.0		1 mL	5 mL		
LCS~680-192613/3		300.0		1 mL	5 mL	50 uL	
LCSD~680-192613/4		300.0		1 mL	5 mL	50 uL	
200-3445-G-1	MW-5	300.0	T	1 mL	5 mL		
200-3445-G-2	MW-1	300.0	T	1 mL	5 mL		
200-3445-G-3	MW-2	300.0	T	1 mL	5 mL		
200-3445-G-3~MS	MW-2	300.0	T	1 mL	5 mL	50 uL	
200-3445-G-4	MW-3	300.0	T	1 mL	5 mL		
200-3445-G-5	MW-4	300.0	T	1 mL	5 mL		
CCV~680-192613/1		300.0		1 mL	5 mL		5 mL
1							
CCB~680-192613/1		300.0		1 mL	5 mL		
2							

Filter Lot #: IC_5MLCAP_00001

Eluent 1 Lot: IC_ELUGEN_00001

Regeneration Solution Lot: N/A

Ethylenediamine Lot: N/A

General Chemistry Worksheet

Batch Number: 680-192613

Method: 300.0

Analyst: Brazell, Connie

Date Open: Jan 26 2011 11:07PM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-192613/1		300.0		
MB~680-192613/2		300.0		
LCS~680-192613/3		300.0		
LCSD~680-192613/4		300.0		
200-3445-G-1	MW-5	300.0	T	
200-3445-G-2	MW-1	300.0	T	
200-3445-G-3	MW-2	300.0	T	
200-3445-G-3~MS	MW-2	300.0	T	
200-3445-G-4	MW-3	300.0	T	
200-3445-G-5	MW-4	300.0	T	
CCV~680-192613/1		300.0		
1				
CCB~680-192613/1		300.0		
2				

Batch Comment:

NONE

General Chemistry Worksheet

Batch Number: 680-192655

Date Open: Jan 26 2011 10:59AM

Method: 415.1

Batch End:

Analyst: Holmes, Tinita

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00014	TOC LCS_00045	TOCCALSTD4_00024
CCV~680-192655/1		SM 5310B		25 mL	25			25 mL
MB~680-192655/2		SM 5310B		25 mL	25			
BICARB/CARB				25 mL	25			
LCS~680-192655/4		SM 5310B		25 mL	25		25 mL	
680-64999-I-1			T	25 mL	25			
680-64999-I-1~MS			T	25 mL	25	0.25 mL		
680-64999-I-1~MSD			T	25 mL	25	0.25 mL		
200-3445-E-1	MW-5	SM 5310B	T	25 mL	25			
200-3445-E-2	MW-1	SM 5310B	T	25 mL	25			
200-3445-E-3	MW-2	SM 5310B	T	25 mL	25			
200-3445-E-4	MW-3	SM 5310B	T	25 mL	25			
200-3445-E-5	MW-4	SM 5310B	T	25 mL	25			
680-64999-I-2			T	25 mL	25			
680-64999-I-3			T	25 mL	25			
CCV~680-192655/1 5		SM 5310B		25 mL	25			25 mL
CCB~680-192655/1 6		SM 5310B		25 mL	25			
680-64999-I-4			T	25 mL	25			
680-64999-I-4~DU			T	25 mL	25			
680-64999-I-5			T	25 mL	25			
680-64999-I-6			T	25 mL	25			
680-64999-I-7			T	25 mL	25			
CCV~680-192655/2 2		SM 5310B		25 mL	25			25 mL
CCB~680-192655/2 3		SM 5310B		25 mL	25			
680-64894--1					25			
680-64894--1~MS					25			

General Chemistry Worksheet

Batch Number: 680-192655

Date Open: Jan 26 2011 10:59AM

Method: 415.1

Batch End:

Analyst: Holmes, Tinita

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00014	TOC LCS_00045	TOCCALSTD4_00024
680-64894--1~MSD					25			
680-64894--2					25			
680-64898--1					25			
680-64905--1					25			
680-64905--2					25			
680-64905--3					25			
680-64905--4					25			
680-64947--1					25			
CCV~680-192655/3					25			
5								
CCB~680-192655/3					25			
6								
680-64947--2					25			
680-64947--2~DU					25			
680-64947--3					25			
680-64989--1					25			
680-64989--2					25			
CCV~680-192655/4					25			
2								
CCB~680-192655/4					25			
3								

Sodium Persulfate Reagent ID Number:

NA

Lot # of Phosphoric Acid:

NA

Sulfuric Acid Reagent ID Number:

NA

HCl Vendor:

Mallinckrodt

Lot # of hydrochloric acid:

50% HCl-00008

General Chemistry Worksheet

Batch Number: 680-192655

Method: 415.1

Analyst: Holmes, Tinita

Date Open: Jan 26 2011 10:59AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-192655/1		SM 5310B		
MB~680-192655/2		SM 5310B		
BICARB/CARB				
LCS~680-192655/4		SM 5310B		
680-64999-I-1			T	
680-64999-I-1~MS			T	
680-64999-I-1~MSD			T	
200-3445-E-1	MW-5	SM 5310B	T	
200-3445-E-2	MW-1	SM 5310B	T	
200-3445-E-3	MW-2	SM 5310B	T	
200-3445-E-4	MW-3	SM 5310B	T	
200-3445-E-5	MW-4	SM 5310B	T	
680-64999-I-2			T	
680-64999-I-3			T	
CCV~680-192655/1 5		SM 5310B		
CCB~680-192655/1 6		SM 5310B		
680-64999-I-4			T	
680-64999-I-4~DU			T	
680-64999-I-5			T	
680-64999-I-6			T	
680-64999-I-7			T	
CCV~680-192655/2 2		SM 5310B		
CCB~680-192655/2 3		SM 5310B		
680-64894--1				
680-64894--1~MS				

General Chemistry Worksheet

Batch Number: 680-192655

Method: 415.1

Analyst: Holmes, Tinita

Date Open: Jan 26 2011 10:59AM

Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-64894--1~MSD				
680-64894--2				
680-64898--1				
680-64905--1				
680-64905--2				
680-64905--3				
680-64905--4				
680-64947--1				
CCV~680-192655/3				
5				
CCB~680-192655/3				
6				
680-64947--2				
680-64947--2~DU				
680-64947--3				
680-64989--1				
680-64989--2				
CCV~680-192655/4				
2				
CCB~680-192655/4				
3				

Batch Comment:

NA

General Chemistry Worksheet

Batch Number: 680-192695

Date Open: Jan 27 2011 2:38PM

Method: 160.1

Batch End:

Analyst: Nelson, Christopher

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Initial weight/volume of sample	Tare Weight	First Weighing	Second Weighing	Third Weighing
MB~680-192695/1		SM 2540C		EH	100 mL	77.9134 g	77.9138 g	77.9137 g	0 g
LCS~680-192695/2		SM 2540C		609	100 mL	78.3537 g	78.3840 g	78.3842 g	0 g
LCSD~680-192695/3		SM 2540C		122	100 mL	77.2101 g	77.2398 g	77.2395 g	0 g
680-65101-A-2			T	CAX	100 mL	72.9671 g	73.0071 g	73.0073 g	0 g
680-65101-A-2~DU			T	544	100 mL	75.6056 g	75.6465 g	75.6465 g	0 g
680-65036-A-1			T	030	100 mL	75.5124 g	75.5351 g	75.5350 g	0 g
680-65043-A-1			T	115	100 mL	76.6829 g	76.7198 g	76.7199 g	0 g
680-65043-A-2			T	113	100 mL	77.5840 g	77.6784 g	77.6782 g	0 g
200-3445-A-1	MW-5	SM 2540C	T	59	100 mL	68.0232 g	68.1331 g	68.1331 g	0 g
200-3445-A-2	MW-1	SM 2540C	T	444	100 mL	79.1785 g	79.2054 g	79.2052 g	0 g
200-3445-A-3	MW-2	SM 2540C	T	061	100 mL	79.0202 g	79.0416 g	79.0415 g	0 g
200-3445-A-4	MW-3	SM 2540C	T	345	100 mL	81.8475 g	81.8752 g	81.8750 g	0 g
200-3445-A-5	MW-4	SM 2540C	T	124	100 mL	72.4734 g	72.5073 g	72.5075 g	0 g
680-64999-A-1			T	61	50 mL	79.3834 g	79.4300 g	79.4300 g	0 g
680-64999-A-2			T	100	50 mL	74.8931 g	75.0181 g	75.0181 g	0 g
680-64999-A-3			T	111	50 mL	74.2181 g	74.3553 g	74.3552 g	0 g
680-64999-A-4			T	107	50 mL	73.0775 g	73.2001 g	73.2003 g	0 g
680-64999-A-5			T	410	50 mL	74.6462 g	74.7116 g	74.7115 g	0 g
680-64999-A-6			T	10	50 mL	75.5517 g	75.6174 g	75.6174 g	0 g
680-64999-A-7			T	83	50 mL	74.8306 g	74.9279 g	74.9278 g	0 g
680-64999-A-7~DU			T	44	50 mL	79.2619 g	79.3626 g	79.3626 g	0 g

General Chemistry Worksheet

Batch Number: 680-192695

Date Open: Jan 27 2011 2:38PM

Method: 160.1

Batch End:

Analyst: Nelson, Christopher

Lab ID	Client ID	Method Chain	Basis	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Final weight/volume of sample	TS/TDS LCS_00115
MB~680-192695/1		SM 2540C		PASS_D	0.0004 g	0.0003 g	100 mL	
LCS~680-192695/2		SM 2540C		PASS_D	0.0303 g	0.0305 g	100 mL	100 mL
LCSD~680-192695/ 3		SM 2540C		PASS_D	0.0297 g	0.0294 g	100 mL	100 mL
680-65101-A-2			T	PASS_D	0.0400 g	0.0402 g	100 mL	
680-65101-A-2~DU			T	PASS_D	0.0409 g	0.0409 g	100 mL	
680-65036-A-1			T	PASS_D	0.0227 g	0.0226 g	100 mL	
680-65043-A-1			T	PASS_D	0.0369 g	0.0370 g	100 mL	
680-65043-A-2			T	PASS_D	0.0944 g	0.0942 g	100 mL	
200-3445-A-1	MW-5	SM 2540C	T	PASS_D	0.1099 g	0.1099 g	100 mL	
200-3445-A-2	MW-1	SM 2540C	T	PASS_D	0.0269 g	0.0267 g	100 mL	
200-3445-A-3	MW-2	SM 2540C	T	PASS_D	0.0214 g	0.0213 g	100 mL	
200-3445-A-4	MW-3	SM 2540C	T	PASS_D	0.0277 g	0.0275 g	100 mL	
200-3445-A-5	MW-4	SM 2540C	T	PASS_D	0.0339 g	0.0341 g	100 mL	
680-64999-A-1			T	PASS_D	0.0466 g	0.0466 g	100 mL	
680-64999-A-2			T	PASS_D	0.1250 g	0.1250 g	100 mL	
680-64999-A-3			T	PASS_D	0.1372 g	0.1371 g	100 mL	
680-64999-A-4			T	PASS_D	0.1226 g	0.1228 g	100 mL	
680-64999-A-5			T	PASS_D	0.0654 g	0.0653 g	100 mL	
680-64999-A-6			T	PASS_D	0.0657 g	0.0657 g	100 mL	
680-64999-A-7			T	PASS_D	0.0973 g	0.0972 g	100 mL	
680-64999-A-7~DU			T	PASS_D	0.1007 g	0.1007 g	100 mL	

Oven ID: B

ID number of the thermometer: cuir1

Nominal Amount Used: 100 mL

Date samples were place in the oven: 01.27.11

Uncorrected In Temperature: 105 Celsius

Oven Temp when samples are put in oven: 105 Celsius

Balance ID: 22

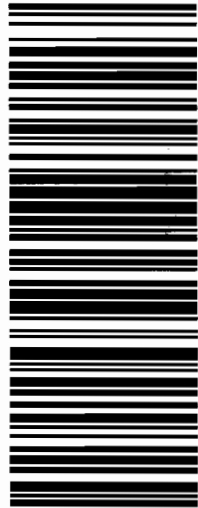
Subcontract Data

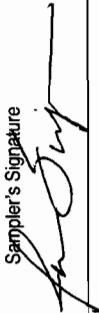
Shipping and Receiving Documents

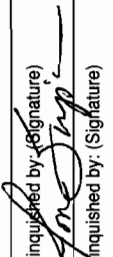
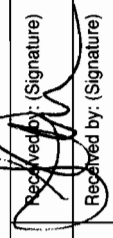
UPS Internet Shipping: View/Print Label

1. **Print the label(s):** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
3. **GETTING YOUR SHIPMENT TO UPS**
Customers without a Daily Pickup
 Schedule a same day or future day Pickup to have a UPS driver pickup all of your Internet Shipping packages.
 Hand the package to any UPS driver in your area.
 Take your package to any location of The UPS Store®, UPS Drop Box, UPS Customer Center, UPS Alliances (Office Depot® or Staples®) or Authorized Shipping Outlet near you. Items sent via UPS Return ServicesSM (including via Ground) are also accepted at Drop Boxes.
 To find the location nearest you, please visit the 'Find Locations' Quick link at ups.com.
Customers with a Daily Pickup
 Your driver will pickup your shipment(s) as usual.

FOLD HERE

JON SIMPSON 609-714-2420 PANTHER TECHNOLOGIES, INC. 220 ROUTE 70 EAST MEDFORD NJ 08055		35 LBS DWT: 24,14,14	1 OF 1
SHIP TO: SAMPLE RECEIVING 8026601990 TESTAMERICA SUITE 11 30 COMMUNITY DRIVE SOUTH BURLINGTON VT 05403-6834			
		VT 054 0-02 	
UPS NEXT DAY AIR TRACKING #: 1Z RA7 732 44 9879 1622		1 S	
			
BILLING: P/P		UPS 13.0.20. WXPJES0 09.0A.10/2010 	

Report to:										Invoice to:									
Company: <u>PANTHER TECHNOLOGIES, INC.</u>										Company: <u>—</u>									
Address: <u>220 ROUTE 70 EAST, STE B</u>										Address: <u>— SAME —</u>									
City: <u>MEDFORD, NJ 08055</u>										City: <u>—</u>									
Contact: <u>KEVIN DYSON</u>										Contact: <u>—</u>									
Phone: <u>(609) 714-2420</u>										Phone: <u>—</u>									
Fax: <u>(609) 714-2495</u>										Fax: <u>—</u>									
Contract/Quote: <u>—</u>										Contract/Quote: <u>—</u>									
Sample's Name <u>JON SIMPSON</u> Sampler's Signature 										Project Name <u>LAWRENCE AVIATION JPFED SITE</u>									
Identifying Marks of Sample(s) <u>MW-5</u> <u>MW-1</u> <u>MW-2</u> <u>MW-3</u> <u>MW-4</u> <u>MW-6</u> <u>FB 01202011</u> <u>TRIP BLANK</u>										No./Type of Containers: VOA: <u>4</u> 1 L, <u>1</u> 250 ml, <u>1</u> 125 ml AG: <u>1</u> 1 L, <u>1</u> 250 ml, <u>1</u> 125 ml DO: <u>1</u> 125 ml									
Analyses Requested <u>15MOL.1 ICP, 15MOL.1-Hg</u> <u>ALKALINITY, CHLORIDE, SULFATE</u> <u>SM.5310-TOL</u> <u>25406-TDS, 2540D-TSS</u> <u>Metals</u>										Lab/ Sample ID (Lab Use Only) [Blank]									
Lab Use Only Due Date: <u>1/20/12</u> Temp. of coolers when received (C°): <u>3</u> Custody Seal: <u>N/Y</u> Intact: <u>N/Y</u> Screened For Radioactivity: ☐										Remarks <u>SAMPLES CONTAIN RESIDUAL KMNO4</u> <u>OXYDIZER HANDLE WITH CAUTION. NEUTRALIZE WITH ASCORBIC ACID.</u>									

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/21/11	1500		1/21/11	0850
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Matrix	Container	WW - Wastewater	W - Water	S - Soil	L - Liquid	A - Air bag	C - Charcoal Tube	SL - Sludge	O - Oil
VOA - 40 ml vial	A/G - Amber / Or Glass 1 Liter	250 ml	Glass wide mouth	P/O - Plastic or other					

TestAmerica Cannot accept verbal changes.
Please Fax written changes to (802) 660-1919

Chain of Custody Record

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 5102 LaRoche Avenue, City: Savannah State, Zip: GA, 31404 Phone: 912-354-7858(Tel) 912-352-0165(Fax) Email: Project Name: Lawrence Aviation Site:		Lab PM: Goff, Sara S E-Mail: sara.goff@testamerica.com Carrier Tracking No(s): COC No: 200-1722-1 Page: Page 1 of 1 Job #: 200-3445-1	
Due Date Requested: 1/28/2011 TAT Requested (days): PO #: WO #: Project #: 20001957 SSOW#:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anhydrous H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification - Client ID (Lab ID) MW-5 (200-3445-1) MW-1 (200-3445-2) MW-2 (200-3445-3) MW-3 (200-3445-4) MW-4 (200-3445-5)		Total Number of containers 3 3 3 3 3	
Sample Date 1/19/11 1/20/11 1/20/11 1/20/11 1/20/11		Special Instructions/Note: 3 3 3 3 3	
Sample Time 14:00 Eastern 15:30 Eastern 18:00 Eastern 13:15 Eastern 11:30 Eastern		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 2370B (MOD) Local Method 2540D 3080.28D/ (MOD) Chloride, Sulfate SM6310 TOC/B (MOD) Local Method	
Sample Type (C=Comp, G=grab) Preservation Code: Matrix (W=water, S=solid, O=overhead, BT=Time, AL=Air)		Matrix Water Water Water Water Water	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify) Empty Kit Relinquished by:		Special Instructions/QC Requirements:	
Relinquished by: Jan L. O'Leary Relinquished by: Relinquished by:		Date: 01/24/11 1500 Date/Time: Date/Time: Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 2.3	

Login Sample Receipt Check List

Client: Panther Technologies

Job Number: 200-3445-1

SDG Number: 200-3445-1

Login Number: 3445

List Source: TestAmerica Burlington

Creator: Marion, Greg T

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	851514
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	1.8°C IR GUN ID 96/CF= -2
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Check List

Client: Panther Technologies

Job Number: 200-3445-1

SDG Number: 200-3445-1

Login Number: 3445

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

List Creation: 01/25/11 01:45 PM

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Attachment C
Daily ISCO Field Monitoring Forms
Lawrence Aviation Superfund Site
Port Jefferson, New York

Date: 7/1/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-04	207 - 217	6.50	clear	3166	231	18.1	6.38	187-2"
MW-ISCO-04	207 - 217	6.05	cloudy	3254	242	15.9	6.50	187-4/2
MW-ISCO-05	207 - 217	5.98		3164	247	15.9	2.72	187-1
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	6.05	clear	3331	258	14.7	1.38	187-8 3/4
MW-ISCO-02	207 - 217	6.39	clear	3088	255	15.5	5.45	187-1 1/2
IW-ISCO-11	200 - 220	6.22	clear	319	264	15.2	0.03	187-7 1/4
IW-ISCO-12	200 - 220	6.33	clear	357	255	15.1	0.73	187-4
MW-ISCO-13	200 - 220	6.14	clear	233	270	15.9	0	188-8 1/4

* - UNFILTERED

Notes/Observations:

[illegible]

Date: 7/7/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	6.20	cloudy	.261	362	16.7	28.21	187-3 3/4
MW-ISCO-04	207 - 217	6.74	clear	.175	329	16.6	2.31	187-1 1/2
MW-ISCO-05	207 - 217	6.01	clear	.349	318	16.0	1.50	187-1 1/2
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	6.18	clear	.318	268	16.5	.84	187-8 1/4
MW-ISCO-02	207 - 217	6.35	clear	.302	285	15.9	3.68	187-0
IW-ISCO-11	200 - 220	6.41	clear	.325	292	16.5	7.38	187-7 3/4
IW-ISCO-13	200 - 220	6.10		.243	350	16.8	2.82	188-7 1/4
MW-ISCO-12	200 - 220	6.50	clear	.346	377	18.2	6.98	187-4 3/4



Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

*- UNFILED

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or printed text on the paper.

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 7/8/18

Field Parameters

Monitoring Well Designation							Screened Interval		pH		Color		Cond		ORP		Temp		HACH DR870 Reading		DTW	
Within Treatment Area																						
MW-ISCO-03 12:30							207 - 217	5.87	clear	0.250	292	18.0	2.86	187-2 1/4								
MW-ISCO-04							207 - 217	6.39	clear	0.167	355	16.9	2.32	187-3 1/4								
MW-ISCO-05							207 - 217	6.05	clear	0.350	376	17.6	0.28	186-10								
Downgradient of Treatment Area																						
MW-ISCO-01							207 - 217	6.14	clear	0.325	340	17.3	0.42	187-3								
MW-ISCO-02							207 - 217	6.52	clear	0.300	345	16.7	0.30	186-8 3/4								
IW-ISCO-11							200 - 220	6.40	clear	0.326	346	16.5	0.32	187-4 1/2								
IW-ISCO-12							200 - 220	6.39	clear	0.347	356	16.5	0.19	187-1 1/2								
MW-ISCO-13							200 - 220	5.93	clear	0.243	410	17.1	0.29	188-5 3/4								

Color Legend:



Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Notes/Observations:

BEGIN FILTERING COLORIMETER SAMPLES

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 7/9/10

Field Parameters

Monitoring Well Designation		Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area									
MW-ISCO-03	207 - 217	6.16	clear	.254	336	16.5	0.02	187-3/8	
MW-ISCO-04	207 - 217	6.61	clear	.170	329	15.9	0.34	186-11/4	
MW-ISCO-05	207 - 217	6.10	clear	.356	360	16.1	0.27	186-10	
Downgradient of Treatment Area									
MW-ISCO-01	207 - 217	6.30	clear	.319	303	16.2	0.22	187-4	
MW-ISCO-02	207 - 217	6.54	clear	.304	314	15.9	0.08	186-7	
IW-ISCO-11	200 - 220	6.39	clear	.332	299	17.3	0.05	187-3/4	
IW-ISCO-12	200 - 220	6.43	clear	.346	314	15.7	0.06	187-1/2	
MW-ISCO-13	200 - 220	6.14	clear	.248	322	16.3	0	188-5	

Color Legend:



Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Notes/Observations:

[illegible]

York.

Field Parameters

188-574

Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

[illegible]

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 7/13/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	6.02	cloudy	.241	326	17.1	0.56	187'-1/4
MW-ISCO-04	207 - 217	6.31	cloudy	.263	371	15.3	0.51	186'-10
MW-ISCO-05	207 - 217	6.17	clear	.310	345	14.2	0.71	186'-8 1/4
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	6.24	clear	.314	304	15.9	1.47	187'-3 3/4
MW-ISCO-02	207 - 217	6.19	clear	.349	327	15.8	0.30	186'-7 1/4
IW-ISCO-11	200 - 220	6.40	clear	.389	334	16.1	0.41	187'-4"
IW-ISCO-12	200 - 220	6.21	clear	.352	327	15.7	0.35	187'-3/4
MW-ISCO-13	200 - 220	5.98	clear	.256	341	16.6	0.31	188'-5 3/4

Color Legend:



Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Notes/Observations:

[illegible]

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 7/14/10

Field Parameters

Monitoring Well Designation		Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area									
MW-ISCO-03	207 - 217	6.58	cloudy	.062	342	16.8	0.52	186-11 1/2	
MW-ISCO-04	207 - 217	6.37	cloudy	.259	364	14.7	0.09	186-9 1/2	
MW-ISCO-05	207 - 217	6.50	clear	.037	338	15.3	0.85	186-7 3/4	
Downgradient of Treatment Area									
MW-ISCO-01 14:40	207 - 217	6.37	clear	.313	300	15.3	0.47	187-3 1/4	
MW-ISCO-02 13:50	207 - 217	6.47	clear	.350	291	16.1	0.37	187-7	
IW-ISCO-11	200 - 220	6.61	clear	.361	316	16.7	0.43	187-3 1/2	
IW-ISCO-12	200 - 220	6.56	clear	.349	317	15.8	0.52	187- 1/2	
MW-ISCO-13	200 - 220	6.05	clear	.258	332	16.6	0.27	188-5 1/4	

Color Legend:



Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Notes/Observations:

[illegible]

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 7/15/10

Field Parameters

Date:	1/12/10	HACH DR870						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	6.00		.101	432	17.4	48	187' 4"
MW-ISCO-04	207 - 217	5.97	MD PINK	.326	723	16.0	14.00	187' 2"
MW-ISCO-05	0950 207 - 217	6.49	Lt. PINK	0.299	639	15.4	7.34 mg/L 15.81	187' 1 3/4"
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	5.84	Cloudy Pinks.	0.321	318	16.0	0.36	187' 8 1/2"
MW-ISCO-02	207 - 217	5.92	Cloudy w/ silt	0.385	337	17.5	0.89	187' 1/2"
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

Color Legend:



Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Notes/Observations:

0950: HAND BAIL/PURGE MUDS, AFTER PURGING 7 g.m. (APPROX) NOTED SOME COLOR. (LIGHT PINK)
CONTINUE TO INCREASE WT AS PURGE CONTINUES

Date: 7/20/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03 1615	207 - 217	6.25	No color	0.174	268	17.1	2.30 mg/L	187' 4"
MW-ISCO-04	207 - 217		Clay					
MW-ISCO-05	207 - 217							
Downgradient of Treatment Area								
MW-ISCO-01 1415	207 - 217	6.21	Clay, No	0.333	313	17	2.13 mg/L	187' 8"
MW-ISCO-02 1320	207 - 217	6.38	Clay Noel	0.240	367	23.4	2.61 mg/L	186.11' 1/2"
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

	Light Pink
	Medium Pink
	Light Purple
	Medium Purple
	Dark Purple

[illegible]

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date:	7/26/10

Field Parameters

Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	5.99	cloudy	.226	442	17.2	0.70	
MW-ISCO-04	207 - 217							
MW-ISCO-05	207 - 217							
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217							
MW-ISCO-02 12:30	207 - 217	6.03	cloudy	.327	509	18.2	1.10	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

Color Legend:



Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Notes/Observations:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines, typical of notebook paper. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 8/3/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	5.61	cloudy	261	315	15.6	1.20	
MW-ISCO-04	207 - 217							
MW-ISCO-05	207 - 217							
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	5.54	cloudy	346	544	17.1	1.65	
MW-ISCO-02	207 - 217	5.94	cloudy	363	422	17.8	0.77	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

Color Legend:

	Light Pink
	Medium Pink
	Light Purple
	Medium Purple
	Dark Purple

Notes/Observations:

6:30 Todd + Herman onsite / 6:45 Started mixing permanganate in tank #3 with aeration. 7:00 Started with fresh water through all hoses and manifolds. Start # 399950 gal on 2" totalizer. 7:30 Started injecting permanganate. Flow rates at individual wells are about: well # 1, 2, 5, 6 - 4gpm / #13 - 5gpm / #3, 8 - 7gpm / #9, 11, 12 - 9gpm / #7 - 8gpm. 8:20 Started mixing tank #2. 11:20 tank #3 empty and started pumping from tank #2 and filling tank #3 with water. 10:05 Started bailing MW-3, no color as of yet. 11:10 Started bailing MW-1, saw light pink in first couple of bails then it went cloudy. 12:55 Started bailing MW-2 no color just cloudy. 12:45 Shutoff air compressor to retel down. 5 min. Checking buckets at all well heads for permanganate MW-3 had half a bucket resulting from tank switch. 3:30 Finished mixing tank #3 and started injecting tank #3. 5:05 Shutoff water to tank #2 and stopped permanganate injection from tank #3, then proceeded to flush pumps and hoses, stopped flush at 5:20 pm

436579 gallons 36629 today total gal

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 8/4/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	5.58	cloudy	265	611	17.4	0.35	
MW-ISCO-04	207 - 217	6.05	med purple	258	~~776~~ 807	19.5	44.06	
MW-ISCO-05	207 - 217	6.23	cloudy pink	368	643	17.0	1.50	
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	6.45	cloudy	336	550	18.2	.40	
MW-ISCO-02	207 - 217	6.38	cloudy	350	315	18.3	0.23	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

Color Legend:

	Light Pink
	Medium Pink
	Light Purple
	Medium Purple
	Dark Purple

Notes/Observations:

Started at 6:15, turned on potable water to tank #2, Herman G. fueled air compressor, T-Vail cleaned out 1" flow meters for well # IW-3, 8, 9, 12. Hooked up 2" Hoses to pump, started air compressor opened tank #3 and manifold and started pumping at 6:38. Went around and made sure all air was out of well heads. 6:45 Adjusted flow rates on individual wells. 7:20 water was shut off to tank #2 because Arrowhead removed one of the Baker Frae tanks from behind our containment area. 7:40 water back on to tank #2. 8:25 Started mixing tank #2 w/airation during mix. 8:52 Switched injection from tank #3 to tank #2, still filling tank #2. 12:25 Shut off air compressor to refuel. 12:36 tank #2 done injection starting on tank #3 and still filling w/ water. and mixed tank #3. Injection back on by 12:52. 14:50 done hailing all wells. 13:40 Starting filling tank #2 w/ water. 17:10 tank #3 empty still filling tank #2. Also flushing water through manifold pumps and hoses. 17:25 Stopped filling tank #2

477466 total gal today total gal 40887

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 8/5/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	6.05	cloudy	.261	382	16.9	0	
MW-ISCO-04	207 - 217	6.36	med purple	.297	797	17.2	64.72	
MW-ISCO-05	207 - 217	6.28	cloudy	.381	497	16.6	.30	
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	6.23	cloudy	.338	508	16.8	.26	
MW-ISCO-02	207 - 217	6.38	cloudy	.353	365	16.4	2.87	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

Color Legend:

	Light Pink
	Medium Pink
	Light Purple
	Medium Purple
	Dark Purple

Notes/Observations:

5:55 Chad Started water to tank #2. 6:30 Switched water to tank #3. Fueled up air compressor and started, turned air on to tank #2 then mixed tank with permanganate w/airation. At 7:00 Started injection from tank #2. Walked around and checked all well heads. 7:35 Pump shut off and flushed small leak from a comblock. 7:45 Back up and running. 7:25-7:40 water off so Baker could pick up another Frac tank. 8-8:30 started backing wells. 10:30 mixed tank #3. 10:40 switched water to tank #2. 10:45 Switched injection to tank #3. 12:20 Shutoff potable water and removed 2" layflat hose so Baker could pick up last Frac tank from behind Panther's containment area. 12:40 Water back on in tank #2. 12:45 Fueled up compressor. 14:15 to 14:30 Mixed permanganate in tank #2. After lunch Chad G. went out and fueled up 100 gal fuel cell. 14:45 Shutoff air compressor and started fueling and noticed Radiator overflow spilling out what looks like black oil. Placed down absorbent immediately, called Jim Poupert & Kevin Dyson. Chad left at about 15:05 to get a rental air compressor. 15:15 Switched water to Tank #3 15:45 Started injection again with rental compressor. 17:35 Shutoff permanganate and Started flushing manifold pump and lines w/water. 17:45 Shutoff water flush and secured all hoses and tanks.

517358 total 39892 gal. today

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 8/6/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	6.03	cloudy	.277	447	15.3	0.59	
MW-ISCO-04	207 - 217	6.41	Dark purple	1.17	821	16.8	169.8	
MW-ISCO-05	207 - 217	6.14	cloudy	.369	397	15.6	0.38	
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	6.24	clear	.338	575	16.4	0.48	
MW-ISCO-02	207 - 217	6.35	cloudy	.362	420	15.2	0.37	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

Color Legend:

	Light Pink
	Medium Pink
	Light Purple
	Medium Purple
	Dark Purple

Notes/Observations:

5:20 Onsite Todd & Herman, opened hydrant and started filling tank #3. Opened trailer and hooked up 2" hoses. Fired up air compressor. 5:42 started permanganate injection from tank #2, checked all well heads for air pressure. Flow rates good well # 1, 2, 5, 6 - around 4 gpm, #13 - 5.1 gpm, #38 - 6.8-7 gpm #7 - 8.1 gpm, #9, 11, 12 - 9.15 gpm. 6:35 Mixed a batch of permanganate in tank #3. Bag of permanganate #1 of 15 was back as a rock. 7:10 Shutoff water to tank #3. 8:10 Started bailing MW-1. 10:30 Finished bailing all monitoring wells. 10:50 Placed air compressor on bed of F-550 and strapped down. 11:45 Flushed manifold pumps and hoses. Chad is taking rental compressor back. 11:40 packed up and secured trailers.

540 988 total

26 630 today

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 5/9/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	6.32	cloudy	.288	353	17.0	0.45	
MW-ISCO-04	207 - 217							
MW-ISCO-05	207 - 217							
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	6.37	clear	.342	501	17.3	0.46	
MW-ISCO-02	207 - 217	6.39	cloudy	.349	334	17.9	0.00	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

Color Legend:

Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Notes/Observations:

7:00 onsite. Setup up 3" submersible pump on MW-3 and took readings after pumping about 125 gallons. Started filling tank #3. Moved to MW-1 and pumped about 150 gal. Moved to MW-2 and pumped about 150 gal. After pumping took parameter reading on MW-1, 2, 3. Mixed tanks # 2 + 3 after lunch. Fixed 2" nipple on tank # 3. Turned on air compressor for ISO trailer. Left open well # IW-3, 7, 8, 9, 11, 12 + opened MW-1, 2, 3. Closed IW-5, 6, 1, 2 + MW-4, 5.

IW-7	11.24	gpm	Total 543601
IW-11	11.8	gpm	
IW-8	9.7	gpm	
IW-9	9.9	gpm	
IW-3	10.4	gpm	
IW-12	10.1	gpm	

Daily ISCO Full-Scale Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 8/10/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217							188.2
MW-ISCO-04	207 - 217							188.15
MW-ISCO-05	207 - 217	6.33	Lt. pink	394	674	16.5	1.01	187.70
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217							188.2
MW-ISCO-02	207 - 217							187.7
IW-ISCO-11	200 - 220							187.8
IW-ISCO-12	200 - 220							187.75
MW-ISCO-13	200 - 220							189.05

Color Legend:

	Light Pink
	Medium Pink
	Light Purple
	Medium Purple
	Dark Purple

Notes/Observations:

Onsite 6:30: Took off all well heads on injection wells. Had trouble taking out pump from MW-2. Pumped about 125 gal from MW-5. Coloring was a light pink. Pine Env. delivered 300' water meter and we started taking DTW readings. Started injection from tank #3 at 13:40. Checked IW# 3, 7, 8, 9, 11, 12 all pumping between 9-11 gpm. Stopped Injection at 16:40 and flushed system. Had to fix 2" White PVC line got a pin hole right outside trailer. Cut it and placed Camlocks in its place.

Totalizer 552 653 gal. today 9052 gal.

Date: 8/12/10			Field Parameters					
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03 9:02	207 - 217	5.81	cloudy	.291	331	17.2	.08	
MW-ISCO-03 11:20	207 - 217	6.10	clear	.304	385	17.1	0.0	
MW-ISCO-05	207 - 217							
Downgradient of Treatment Area								
MW-ISCO-01 14:15	207 - 217	6.43	clear	.343	407	18.8	0.0	
MW-ISCO-02 15:08	207 - 217	6.36	clear	.355	386	16.6	.72	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Totalizer 591533 gal. today 17391 gal

Date: 8/13/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
PZ-06 8:45 Within Treatment Area		6.47	cloudy	222	332	15.4	1.43	
MW-ISCO-03	207 - 217	6.35		284	324	16	0.64	
MW-ISCO-04	207 - 217							
MW-ISCO-05	207 - 217							
PZ-06 Downgradient of Treatment Area								
MW-ISCO-01 10:20	207 - 217	6.37	clear	345	352	15.0	0.46	
MW-ISCO-02 10:15	207 - 217	6.41	clear	352	314	17.0	3.60	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							



Light Pink
Medium Pink
Light Purple
Medium Purple
Dark Purple

Notes/Observations:

Onsite 6:30. Mixed a batch of permanganate in tank #2
7:00 Started injecting from tank #2 in IW# 3, 7, 8, 9
~~Pumped~~ Chad bailed PZ-6. Starting pumping MW-2 and
took readings. Bailed MW-1, MW-3 and took readings
9:30 Shut off water to tank #3. 10:45 stopped injection
and started flushing water to wells

Date: 8/16/10		Field Parameters						
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH DR870 Reading	DTW
Within Treatment Area								
MW-ISCO-03	207 - 217	5.90	clear	0.269	313	17.7	0.62	
MW-ISCO-04	207 - 217	6.41	light pr	0.384	739	16.8	14.27	
MW-ISCO-05	207 - 217	6.14	clear	0.361	342	15.7	1.56	
Downgradient of Treatment Area								
MW-ISCO-01	207 - 217	6.44	clear	0.343	321	15.9	1.87	
MW-ISCO-02	207 - 217	6.38	cloudy	0.365	364	16.3	0.28	
IW-ISCO-11	200 - 220							
IW-ISCO-12	200 - 220							
MW-ISCO-13	200 - 220							

	Light Pink
	Medium Pink
	Light Purple
	Medium Purple
	Dark Purple

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Daily ISCO Pile Test Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 8/17/10		Field Parameters					
Monitoring Well Designation	Screened Interval	pH	Color	Cond	ORP	Temp	HACH 8900 DTW reading
Within Treatment Area				~~269~~			~~39~~
MW-ISCO-04	200 - 220	6.05	cloudy	269	343	17.7	39
IW-ISCO-05	200 - 220	6.39	dark purple	957	841	17.9	169.0
IW-ISCO-06	200 - 220	6.09	387	very lt. pink	651	15.7	76
Downgradient of Treatment Area							
MW-ISCO-01	200 - 220	6.24	clear	338	420	19.7	0.00
MW-02		6.40	cloudy	349	364	17.3	3.77
Sidegradient of Treatment Area							
MW-ISCO-05	200 - 220						
IW-ISCO-04	200 - 220						
IW-ISCO-07	200 - 220						

Color Legend:



Notes/Observations:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are some faint stains and marks on the paper, particularly along the left edge and bottom, suggesting it might be old or handled. The overall appearance is that of a standard notebook page.