J3 – ISCO Pilot Testing and Full-Scale ISCO Treatment Area Work Plan Modifications Technical Memorandum

TECHNICAL MEMORANDUM

To: **Doug Ronk, P.G. – Arrowhead Contracting, Inc.**
CC: **Peter J. Palko, P.E., CHMM - Panther**

From: **Kevin D. Dyson, P.E.**
Date: **June 17, 2010**
Re: **Results of ISCO Pilot Testing Activities and Full-Scale ISCO Treatment Area Workplan Modifications**

The purpose of this Technical Memorandum is to summarize the results of the recently completed In-Situ Chemical Oxidation (ISCO) pilot study 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 ISCO-IW-05 to evaluate the accuracy of dosing parameters during scale-up from the laboratory Treatability Study (TS) to Pilot scale injections for use in scaling up to full-scale injections.

BACKGROUND

The Site (EPA ID #NYD002041531) encompasses approximately 126 acres and consists of the LAI Facility and the LAI Outlying Parcels. The Long Island Railroad and Sheep Pasture Road form the northern border of the Site, to the east are various residential single family houses, to the west are additional single family houses and a Garden Waste Disposal Facility, and to the south is a wooded area beyond which is a residential area with single family houses. The Village of Port Jefferson and Port Jefferson Harbor, an embayment of Long Island Sound, lie approximately one mile to the north. The northeastern and eastern portions of the property are referred to as the Outlying Parcels. These areas are mostly wooded areas and include a few small residential single family houses 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 buildings located on the southwestern portion of the property. An abandoned, unlined earthen lagoon which formerly received liquid wastes lies west of the buildings and a former drum crushing area is situated south of the buildings.

Chlorinated volatile organic compounds (CVOCs) in groundwater within the known primary source area are encountered at a maximum concentration of approximately 1,100 ug/l total CVOCs in MPW-07. Of this 1,100 ug/l, the primary contaminant of concern (COC) is trichloroethene (TCE) with lesser quantities of tetrachloroethene (PCE) and daughter products cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC). CVOCs are encountered at approximately 28.44 feet above mean sea level (ft MSL) (201 feet below ground surface (BGS)) and extend down approximately 20-feet to 8.44 ft MSL (221 ft BGS) where the concentrations are just above the United States Environmental Protection Agency (USEPA) maximum contaminant level (MCL) of 1.0 ug/l for TCE.

During recent well drilling activities, **Panther** installed a series of new 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 have been placed in the core of the known source area (MW-ISCO-04), 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.

The purpose of the Pilot Study (PS) program described herein was to evaluate the scale-up parameters utilized to transition from the TS (reported under separate cover) to a Full Scale Injection Program across the ISCO Treatment Area. As shown on Figure 1, the ISCO Treatment Area is 120-feet x 168-feet from approximately 200 – 220-feet BGS. In addition to the five (5) ISCO monitoring wells installed, thirteen (13) injection wells (designated IW-ISCO-01 to IW-ISCO-13) were installed with stainless steel screens from 200 – 220-feet bgs and Sch. 40 PVC risers from 200-feet to the surface to facilitate remediation of the ISCO Treatment Area.

Prior to and following injection activities, Pre and Post Pilot Monitoring and Injection 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 not only influence of the injections, but also the effects of injections on the COCs:

- 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.

At the time of preparation of this memo, the results have been submitted for data validation and as soon as the data validation report is received, that report will be submitted as an addendum to this Technical Memorandum. Finally, field monitoring for typical parameters such as pH, temp, dissolved oxygen (DO), oxidation-reduction potential (ORP) and depth to water measurements were also collected throughout the injection program within nearby wells to determine real-time injection influence.

FIELD ACTIVITIES

Following installation and development of the ISCO Monitoring Wells (MW-ISCO-01 to MW-ISCO-05) and ISCO Injection Wells (IW-ISCO-01 to IW-ISCO-13), four (4) wells were purged and sampled in accordance with the above described procedures as part of a Pre-Pilot sampling event. These wells included MW-ISCO-01, MW-ISCO-04, IW-ISCO-05 and IW-ISCO-06. Additionally, to ensure the accuracy of the sample analysis, a blind duplicate labeled as IW-ISCO-16 was collected as a duplicate of MW-ISCO-01. Appendix A contains the well purging records and the results of the analyses are summarized on Tables 1 and 2 for the Pre-Pilot sampling event. Blanks for this event are summarized on Table 5 and the full analytical package is included in Appendix B.

Immediately after baseline sampling of the wells was completed, **Panther** mobilized the necessary frac tanks, injection trailer, lined containment area, health and safety equipment along with potassium permanganate that was previously delivered to the site to begin mixing and injections into IW-ISCO-

05. **Panther** also installed downhole dataloggers to log water elevations, temperature and conductivity during injections to aid in evaluation of injection influence into MW-ISCO-4, MW-ISCO-05 and IW-ISCO-06 prior to start of injections to allow for a baseline static water level elevation. Finally, just prior to startup, a baseline round of field parameters was also collected as a comparison to potential geochemical shifts that may be noted during and following injections into IW-ISCO-05. The field parameter data was recorded on field logs and is included as Appendix C.

The site was setup to include two (2) batches of a nominal 1.5 – 1.75% potassium permanganate (KMnO4) solution for injection into IW-ISCO-05. 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 KMnO4. The tanks were aggressively aerated during both mixing and injection activities to maintain a homogeneously mixed solution and prevent incomplete mixing of the KMnO4. A wellhead containing two (2) flowrate and totalizing flowmeters, pressure and vacuum gauges, flow adjusting gate valves and a relief vent was installed onto IW-ISCO-05 and injections commenced following a brief clean water injection test.

A total of 33,580 gallons of KMnO4 solution were injected over the four (4) day injection duration (approximately 2,350 minutes total injections) resulting in an average flowrate of approximately 14-gallons per minute (gpm) into IW-ISCO-05. As shown in Appendix C, daily monitoring of six (6) wells including MW-ISCO-01, MW-ISCO-04, MW-ISCO-05, IW-ISCO-04, IW-ISCO-06 and IW-ISCO-07 was completed by collecting and analyzing water from within the well screen with a calibrated Horiba U-22 multi-parameter water quality meter. Following completion of injections, all systems were rinsed with clean water to inject all residual KMnO4 within the mixing and injection systems prior to breakdown and final decontamination.

Post-Pilot groundwater sampling was conducted on the same four (4) wells sampled as a component of the Pre-Pilot groundwater sampling event including MW-ISCO-01, MW-ISCO-04, IW-ISCO-05 and IW-ISCO-06. All four (4) wells were purged and sampled in accordance with the above described procedures. Additionally, to ensure the accuracy of the sample analysis, a blind duplicate labeled as IW-ISCO-16 was collected as a duplicate of MW-ISCO-04. Appendix D contains the well purging records for the Post-Pilot Testing sampling event and the results of the analyses are summarized on Tables 3 and 4 with blanks summarized on Table 5, and the full analytical package contained in Appendix E.

PILOT TESTING RESULTS AND ANALYSIS COMPARISON

Overall the results of the Pilot Test indicated a successful test of oxidants and the delivery system on its capability to reduce the COCs in targeted wells in addition to influence downgradient wells as far as MW-ISCO-01, roughly 130-feet downgradient of the injection well. Decreases in COC concentrations, specifically in tricholorethene (TCE) along with hydraulic and geochemical monitoring results are detailed further below:

- Downgradient monitoring well MW-ISCO-01, roughly 130-feet from the PS injection well realized a 90% reduction in TCE, from 240-ug/l to 23-ug/l. Additionally, MW-ISCO-01 also noted nominal increases in potassium and manganese (both components of KMnO4) and increases in measured oxidation-reduction potentials (ORPs). All of these factors indicate that

MW-ISCO-01 was directly influenced by the injection testing, while only limited increases in TAL metals were observed including a slight increase in chromium from 1.6-ug/l to 8.1-ug/l.

- Downgradient monitoring location IW-ISCO-06, roughly 30-feet from the injection well, also noted significant influence during injections. Concentrations of TCE decreased from 270-ug/l to 28-ug/l, or a 90% decrease from Pre to Post-Pilot analysis. Additionally, IW-ISCO-06 was directly influenced by the injections indicated by the deep purple color within the well in addition to residual permanganate concentrations as measured on the colorimeter of up to 200 mg/l. Additionally, increases of potassium were noted in the TAL metal analysis, while IW-ISCO-06 also noted significant increases in ORP. Finally, additional TAL metal increases were noted including increases in chromium and thallium to 146-ug/l and 212-ug/l, respectively. These results appear anomalous, however, when compared to TAL metal data from other wells, including the source injection well IW-ISCO-05 which did not exhibit the TAL metal increases that IW-ISCO-06 noted. Finally, these increases were significantly less than those noted during previous Treatability Testing completed by CDM during the permanganate feasibility testing indicating that any incremental rise in metals concentrations may sorb quickly to site soils during transport.

- Sidegradient monitoring well MW-ISCO-04 noted lower decreases in TCE concentrations with Pre to Post Pilot results indicating a lower 23% reduction, but it did note some similar increases to other wells under the influence of the injections. Increases in potassium, ORP and residual permanganate concentrations were all noted, however, residual chromium concentrations were also noted in the Pre-Pilot testing indicating that residual chromium is already present within the groundwater matrix. The lower reduction is likely due to groundwater velocities moving downgradient are higher than cross gradient and the PS tested was limited in duration.

- Monitoring of the source injection well (IW-ISCO-05) noted significant shifts in geochemical conditions, as expected. Increases in both potassium and manganese were noted along with increases in ORP and residual potassium permanganate. TCE concentrations decreased approximately 90% from 1,000-ug/l to 100-ug/l and with a longer duration of monitoring, would have like decreased further based on the residual potassium permanganate within the well. Finally, TAL metals noted increases in chromium from non-detect (50-ug/l MDL) to 53-ug/l while no increases above the MDL were noted in other metals such as thallium, selenium, etc.

- The final component of monitoring at the site included hydraulic measurements via downhole dataloggers in MW-ISCO-04, MW-ISCO-05 and IW-ISCO-06. As shown on the logging charts within Appendix F, hydraulic influence was noted as far as 30-feet from the injection well (MW-ISCO-04, MW-ISCO-05 and IW-ISCO-06) even with the relatively high groundwater flow velocities and short test duration.

Quality Assurance Review

At the time of drafting this Technical Memo, third party validation of the analytical results was ongoing. The final validation report will be submitted as an addendum to this Memo following receipt of the results.

Deviations from the Pilot Study Workplan

The only deviation from the approved Pilot Study Workplan (PSWP) was injection of potassium permanganate at a slightly higher flow rate than those proposed since field conditions and well capabilities deemed higher flowrates achievable. The PWSP proposed approximately 10 – 12 gpm, while the actual average injection rate was approximately 14-gpm. The slight increase in injection flowrates did not have any impact on the implementation of the Pilot Testing program.

FULL SCALE ISCO TREATMENT AREA INJECTIONS

Based on the extensive data collection and positive indicators and geochemical results from Pilot Testing, **Panther** recommends proceeding to full-scale with limited changes to the injection program. All dosing quantities as specified in the Pilot Study Workplan have been scaled up for the full-scale injection program and are discussed further below. A general outline of the full-scale injection program including Baseline groundwater monitoring, ISCO Treatment Area injections, Field and Laboratory Monitoring and Pre-Final/Final groundwater sampling are discussed further below.

Baseline Groundwater Monitoring

Prior to implementation of the full-scale injections, groundwater samples from MW-ISCO-01, MW-ISCO-02, MW-ISCO-03, MW-ISCO-04 and MW-ISCO-05 (Compliance Network) will be low-flow purged and collected in accordance with the project QAPP. Purging will continue at the low flow rate (200 – 500 ml/min) to maintain less than 0.3-foot drawdown until three consecutive readings have stabilized for the following parameters:

- +/- 0.1 pH;
- +/- 3% for specific conductance;
- +/- 10 mV for redox potential; and
- +/- 10% for dissolved oxygen.

Following stabilization of the purge water, the groundwater will be sampled for the full-scale "Baseline" analysis within the wells described above for parameters including:

- TAL VOC – SOM 01.2;
- TAL Metals – ILM5.4;
- Chloride – 325.1/352.2;
- Sulfates – 375.4;
- Total Dissolved Solids – 160.1;
- Total Suspended Solids – 160.2;
- Alkalinity- 310.2; and
- TOC – 415.1/415.2.

Full-Scale Potassium Permanganate Injections – ISCO Treatment Area

In support of full-scale injections within the ISCO Treatment Area, **Panther** will mobilize a high flow injection trailer equipped with magnetic drive pumps and/or larger double diaphragm chemically resistant positive displacement pumps, 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 installation of the batching and injection system. Consistent with injections during the pilot study, specialized 2-inch diameter wellheads will be installed on IW-ISCO-01 to IW-ISCO-10 to facilitate injections that are connected to the injection pumps via clear PVC braided hose rated for >100-psi. The injection trailer will be connected to the frac tanks also via clear PVC braided hose rated for >100 psi. Because of significant downgradient migration of potassium permanganate during Pilot Testing activities with influence noted in MW-ISCO-01 from injections at IW-ISCO-05, injections along the western boundary (IW-ISCO-11 – IW-ISCO-13) will not occur initially. ISCO monitoring wells will be monitored daily during injection to evaluate for water level increases, changes in geochemical conditions and field parameters similar to the procedures used during Pilot Testing to determine influence from upgradient wells during source area injections.

Following setup of the mixing and injection systems, supersack quantities of potassium permanganate (KMnO4) that have already been delivered to the site will be used for mixing of the injectant solution. A nominal 1.5% potassium permanganate solution will be mixed within the frac tanks and injected into ten (10) ISCO injection wells at approximately 8 - 10-gallons per minute (GPM) per well. During mixing, the 2,000 lb supersacks of permanganate will be loaded into stainless steel frac tanks containing approximately 16,000 gallons of potable water to mix batches of 1.5%. All frac tanks utilized onsite will have bottom mounted stainless steel screens to facilitate aeration of the permanganate during mixing and also potentially be setup for recirculation of liquids to facilitate additional mixing. This aggressive aeration and mixing will provide for complete mixing without solids settling in the base of the tanks.

During mixing activities, the nominal 1.5% injection solution will be mixed by adding one (1) 2,000 lb supersack of KMnO4 to approximately 16,000 gallons of water within the frac tank. A total of twenty-one (21) tanks will be mixed for injection of the design quantity of approximately 42,000 lbs of KMnO4 for a total injection of approximately 336,000 gallons of 1.5% KMnO4 into injection wells IW-ISCO-1 to IW-ISCO-10. This is the equivalent of injecting 33,600 gallons per well during the full-scale injection program, nearly identical to the scaled up Pilot Testing volume injected into IW-ISCO-05 recently completed. At a rate of 8 - 10 GPM per well, a total of up to 10-days are anticipated to be necessary to complete the injections.

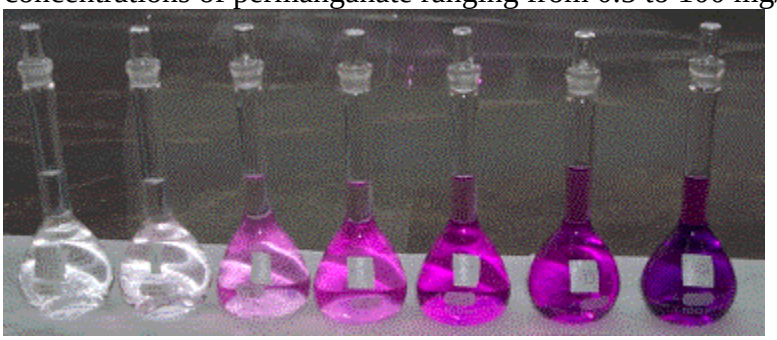
Full-Scale Injection Monitoring

In order to evaluate the effectiveness of the full scale injections, select groundwater monitoring wells will be used to monitor depth-to-water, field parameters and/or groundwater quality prior to, during and after the planned injections. Monitoring wells MW-ISCO-01 - MW-ISCO-05 along with injection wells not initially planned for use during injections (IW-ISCO-11 - IW-ISCO-13) will be used to monitor the groundwater quality within the treatment area. These wells and the parameters to be monitored are identified on Table 6.

Field Parameter Monitoring

The purpose of field parameter monitoring is to allow for real time data collection regarding injection influence and oxidant migration through the subsurface. As an example, conductivity, oxidation-reduction potential (ORP) and colorimetric changes are excellent field parameters that can be analyzed in real time to evaluate the injection influences. The real time evaluation of field parameters will allow tracking and distribution of oxidants within the treatment areas during injection activities.

Additionally, these parameters can be used to track the downgradient effects of injections to allow for control without impacting the future operation of groundwater treatment system. During injection activities, downgradient monitoring and injection wells will be monitored for field parameters to determine the downgradient influence occurs as a result of oxidant injections within the source area. This effective distance will be used to gauge and prevent any potential impacts to EW-01 and EW-02. Along with pH, conductivity and ORP, colorimetric evaluations will be conducted at each monitoring location by collection of groundwater with a clean bailer and observing colorimetric changes from clear to purple and measuring onsite with a handheld HACH DR890 colorimeter. The advantage of permanganate is that its readily discernible pink to purple color in a dissolved solution allow for visual observation of very low concentrations of permanganate in groundwater. The following photograph demonstrates varying concentrations of permanganate ranging from 0.5 to 100 mg/l:



The field parameters to be monitored at each location are further detailed on Table 6.

Post Injection Analytical (Pre-Final) Testing of Monitoring Wells

Approximately one month following implementation of the full-scale injections, groundwater samples from MW-ISCO-01 – MW-ISCO-05 will be low-flow purged and collected in accordance with the project QAPP. Purging will continue at the low flow rate (200 – 500 ml/min) to maintain less than 0.3-foot drawdown until three consecutive readings have stabilized for the following parameters:

- +/- 0.1 pH;
- +/- 3% for specific conductance;
- +/- 10 mV for redox potential; and
- +/- 10% for dissolved oxygen.

Following stabilization of the purge water, the groundwater will be sampled for the "Pre-Final" analysis within the wells described above for parameters including:

- TAL VOC – SOM 01.2;
- TAL Metals – ILM5.4;
- Chloride – 325.1/352.2;

- Sulfates – 375.4;
- Total Dissolved Solids – 160.1;
- Total Suspended Solids – 160.2;
- Alkalinity- 310.2; and
- TOC – 415.1/415.2.

All samples will be collected, analyzed and validated in accordance with the approved site QAPP. In the event that residual permanganate is present in monitoring wells following purging, samples for TAL metals will be quenched with ascorbic acid, similar to quenching within the TS and PS, to prevent interferences from the presence of residual permanganate on the TAL metals analysis method.

This data will be used to evaluate the effectiveness of the injections in treating the five (5) source area ISCO monitoring wells. The data collected from the Pre-Final sampling event will be averaged to confirm that concentrations of TCE in groundwater samples do not exceed the treatment goal of 100-ug/l by more than 50 percent. Finally, approximately 6-months following completion of injections, the "Final" Post Injection groundwater sampling event will be completed. Although this event has no treatment goals or concentration targets associated with the data results, it is expected that even further reductions may be realized by then due to continued ongoing treatment by permanganate that is not fully consumed by the Pre-Final sampling round.

Modifications to the Approved Workplan

This section summarizes the modifications from the approved January 2010 "Final Workplan for Remedial Activities" at the Lawrence Aviation Superfund Site. The approved workplan proposed injection of up to 565,000 gallons of potassium permanganate (KMnO4) into thirteen (13) injection wells within the ISCO Treatment Area. The following modifications are proposed for the full-scale injection program based upon the results of the Treatability Study and the Pilot Study discussed above:

1. Due to downgradient influence on TCE concentrations within MW-ISCO-01 from injections into IW-ISCO-05, **Panther** will not initially inject into IW-ISCO-11, IW-ISCO-12 or IW-ISCO-13 as the injections within the courtyard area will likely influence the TCE concentrations in MW-ISCO-01 and MW-ISCO-02. Additionally, not injecting into these wells provides 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 TS and PS programs, as well as being protective of downgradient groundwater conditions near EW-1 and EW-2, the volume of oxidant solution has been reduced to approximately 336,000 gallons of a nominal 1.5% KMnO4 solution that will be injected into a minimum of ten (10) targeted ISCO Treatment Area wells versus the thirteen (13) originally anticipated.

If anyone has questions regarding the full-scale treatment of the ISCO Treatment Area, please feel free to contact Kevin Dyson at your earliest convenience at 609.714.2420 or by cell phone at 609.472.1276. Upon receipt of approval of this Technical Memo, **Panther** will immediately mobilize for full scale injections in the ISCO Treatment Area, currently scheduled to commence on June 28, 2010.

TABLES

Table 1. Summary of Pre-Pilot Testing Groundwater Analytical Results. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-01		ISCO-MW-01DL		ISCO-MW-04		ISCO-MW-04DL		ISCO-IW-05		ISCO-IW-05DL		ISCO-IW-06		ISCO-IW-06DL	
Lab Sample ID:			828422		828422D1		828421		828421D1		828425		828425D1		828426		828426D1	
Date Sampled:			4/28/2010		4/28/2010		4/28/2010		4/28/2010		4/28/2010		4/28/2010		4/28/2010		4/28/2010	
TCL VOCs SOM01.2	CAS Number	Units																
Acetone	67-64-1	ug/l	*19*	B	*27*	DJB	19	U	230	U	34	U	380	U	11	U	130	U
Benzene	71-43-2	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Bromochloromethane	74-97-5	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Bromodichloromethane	75-27-4	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Bromoform	75-25-2	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Bromomethane	74-83-9	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
2-Butanone (MEK)	78-93-3	ug/l	*0.52*	JB	71	U	19	U	230	U	34	U	380	U	11	U	130	U
Carbon disulfide	75-15-0	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Carbon tetrachloride	56-23-5	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Chlorobenzene	108-90-7	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Chloroethane	75-00-3	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Chloroform	67-66-3	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Chloromethane	74-87-3	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Cyclohexane	110-82-7	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,2-dichlorobenzene	95-50-1	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,3-dichlorobenzene	541-73-1	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,4-dichlorobenzene	106-46-7	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Dibromochloromethane	124-48-1	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Dichlorodifluoromethane	75-71-8	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,2-Dibromoethane	106-93-4	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,1-Dichloroethane	75-34-3	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,2-Dichloroethane	107-06-2	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,1-Dichloroethene	75-35-4	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
cis-1,2-Dichloroethene	156-59-2	ug/l	*1.3*		7.1	U	*1.0*	J	23	U	*2.1*	J	38	U	*1.1*		13	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,2-Dichloropropane	78-87-5	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Ethylbenzene	100-41-4	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
2-Hexanone	591-78-6	ug/l	6.0	U	71	U	19	U	230	U	34	U	380	U	11	U	130	U
Isopropylbenzene	98-82-8	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	6	U	71	U	19	U	230	U	34	U	380	U	11	U	130	U
Methyl Acetate	79-20-9	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Methylene chloride	75-09-2	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Methylcyclohexane	108-87-2	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.38	J	7.1	U	1.9	U	23	U	3.4	U	38	U	*0.63*	J	13	U
Styrene	100-42-5	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Tetrachloroethene	127-18-4	ug/l	*1.9*		7.1	U	*3.0*		23	U	*6.0*		38	U	*1.8*		13	U
Toluene	108-88-3	ug/l	*0.29*	J	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,1,1-Trichloroethane	71-55-6	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Trichloroethene	79-01-6	ug/l	*240*	E	*240*	D	*490*	E	*530*	D	*980*	E	*1000*	D	*240*	E	*270*	D
Trichlorofluoromethane	75-69-4	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Vinyl chloride	75-01-4	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
o-Xylene	95-47-6	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
m&p-Xylene	179601-23-1	ug/l	0.60	U	7.1	U	1.9	U	23	U	3.4	U	38	U	1.1	U	13	U
Total TIC, Volatile	Not Available	ug/l	*12.6*	NJXB	*40*	JXBD	*10*	JXB	*120*	JXBD	*18*	JXB	*220*	JXBD	*5.8*	JXB	*70*	JXBD

Notes
Italics and grey shading indicates compounded detected above MDL.
1 - IW-ISCO-16 is a blind duplicate of ISCO-MW-01

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 Pre-Pilot Testing Groundwater Analytical Results. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-IW-16[1]		ISCO-IW-16DL[1]	
Lab Sample ID:			828427		828427D1	
Date Sampled:			4/28/2010		4/28/2010	

TCL VOCs SOM01.2	CAS Number	Units				
Acetone	67-64-1	ug/l	12	U	140	U
Benzene	71-43-2	ug/l	1.2	U	14	U
Bromochloromethane	74-97-5	ug/l	1.2	U	14	U
Bromodichloromethane	75-27-4	ug/l	1.2	U	14	U
Bromoform	75-25-2	ug/l	1.2	U	14	U
Bromomethane	74-83-9	ug/l	1.2	U	14	U
2-Butanone (MEK)	78-93-3	ug/l	12	U	140	U
Carbon disulfide	75-15-0	ug/l	1.2	U	14	U
Carbon tetrachloride	56-23-5	ug/l	1.2	U	14	U
Chlorobenzene	108-90-7	ug/l	1.2	U	14	U
Chloroethane	75-00-3	ug/l	1.2	U	14	U
Chloroform	67-66-3	ug/l	1.2	U	14	U
Chloromethane	74-87-3	ug/l	1.2	U	14	U
Cyclohexane	110-82-7	ug/l	1.2	U	14	U
1,2-dichlorobenzene	95-50-1	ug/l	1.2	U	14	U
1,3-dichlorobenzene	541-73-1	ug/l	1.2	U	14	U
1,4-dichlorobenzene	106-46-7	ug/l	1.2	U	14	U
Dibromochloromethane	124-48-1	ug/l	1.2	U	14	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	1.2	U	14	U
Dichlorodifluoromethane	75-71-8	ug/l	1.2	U	14	U
1,2-Dibromoethane	106-93-4	ug/l	1.2	U	14	U
1,1-Dichloroethane	75-34-3	ug/l	1.2	U	14	U
1,2-Dichloroethane	107-06-2	ug/l	1.2	U	14	U
1,1-Dichloroethene	75-35-4	ug/l	1.2	U	14	U
cis-1,2-Dichloroethene	156-59-2	ug/l	*1.2*		14	U
trans-1,2-Dichloroethene	156-60-5	ug/l	1.2	U	14	U
1,2-Dichloropropane	78-87-5	ug/l	1.2	U	14	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	1.2	U	14	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	1.2	U	14	U
Ethylbenzene	100-41-4	ug/l	1.2	U	14	U
2-Hexanone	591-78-6	ug/l	12	U	140	U
Isopropylbenzene	98-82-8	ug/l	1.2	U	14	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	12	U	140	U
Methyl Acetate	79-20-9	ug/l	1.2	U	14	U
Methylene chloride	75-09-2	ug/l	1.2	U	14	U
Methylcyclohexane	108-87-2	ug/l	1.2	U	14	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	*0.65*	J	14	U
Styrene	100-42-5	ug/l	1.2	U	14	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	1.2	U	14	U
Tetrachloroethene	127-18-4	ug/l	*2.1*		14	U
Toluene	108-88-3	ug/l	1.2	U	14	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	1.2	U	14	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	1.2	U	14	U
1,1,1-Trichloroethane	71-55-6	ug/l	1.2	U	14	U
1,1,2-Trichloroethane	79-00-5	ug/l	1.2	U	14	U
Trichloroethene	79-01-6	ug/l	*280*	E	*280*	D
Trichlorofluoromethane	75-69-4	ug/l	1.2	U	14	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	1.2	U	14	U
Vinyl chloride	75-01-4	ug/l	1.2	U	14	U
o-Xylene	95-47-6	ug/l	1.2	U	14	U
m&p-Xylene	179601-23-1	ug/l	1.2	U	14	U
Total TIC, Volatile	Not Available	ug/l	*6.5*	JXB	*78*	JXBD

Notes
Italics and grey shading indicates compounded detected above MDL.
1 - IW-ISCO-16 is a blind duplicate of ISCO-MW-01

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 Pre Pilot TAL Metals and Geochemical Analysis. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-01		ISCO-MW-04		ISCO-IW-05		ISCO-IW-06		ISCO-IW-16[(1)]		FB100428	
Lab Sample ID:			828422		828421		828425		828426		828427		828423	
Date Sampled:			4/28/2010		4/28/2010		4/28/2010		4/28/2010		4/28/2010		4/28/2010	
TAL Metals ILM05.4	CAS Number	Units												
Silver	7440-22-4	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
Antimony	7440-36-0	ug/l	60	U	60	U	60	U	60	U	60	U	60	U
Aluminum	7429-90-5	ug/l	1930		13500		14300		9390		9580		200	U
Arsenic	7440-38-2	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
Barium	7440-39-3	ug/l	51.3	J	48.2	J	18	J	30.6	J	38.3	J	200	U
Beryllium	7440-41-7	ug/l	0.70	J	2.6	J	2.2	J	2	J	2.0	J	5	U
Calcium	7440-70-2	ug/l	16500		18100		9100		17900		18300		5000	U
Cadmium	7440-43-9	ug/l	0.90	J	1.5	J	0.91	J	5	U	5	U	5.0	U
Cobalt	7440-48-4	ug/l	6.8	J	1.8	J	50	U	50	U	50	U	50.0	U
Chromium	7440-47-3	ug/l	1.6	J	19.9		44.8		36.6		38.0		10	U
Copper	7440-50-8	ug/l	7.8	J	25	U	25	U	25	U	25	U	25	U
Iron	7439-89-6	ug/l	705		26.7	J	100	U	33.5	J	17.0	J	100	U
Magnesium	7439-95-4	ug/l	7580		8170		4270	J	8430		8620		5000	U
Mercury	7439-97-6	ug/l	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U	0.2	U
Manganese	7439-96-5	ug/l	256		855		803		80.3		82.1		15	U
Sodium	7440-23-5	ug/l	37300		24900		28900		33500		34600		5000	U
Nickel	7440-02-0	ug/l	118		329		226		114	J	119		40	U
Lead	7439-92-1	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
Potassium	7440-09-7	ug/l	11400		12100		41200		22300		22900		5000	U
Selenium	7782-49-2	ug/l	35	U	35	U	35	U	35	U	35	U	35	U
Thallium	7440-28-0	ug/l	25	U	25	U	25	U	25	U	25	U	25	U
Vanadium	7440-62-2	ug/l	50	U	50	U	2.8	J	50	U	50	U	50	U
Zinc	7440-66-6	ug/l	59	J	54	J	37.2	J	39	J	38.4	J	60	U
Total Organic Carbon - SM5310B	NA	mg/l	10		1.0	U	1.1		1	U	1	U	NA	
Total Suspended Solids - SM2540D	NA	mg/l	11		5	U	5	U	5	U	27		NA	
Total Dissolved Solids - SM2540C	NA	mg/l	220		250		240		250		250		NA	
Chloride - MCAWW Method 300.0	NA	mg/l	26		32		14		29		29		NA	
Sulfate - MCAWW Method 300.0	NA	mg/l	38		36		23		39		39		NA	
Alkalinity - SM2320B	NA	mg/l	50		28		64		51		50		NA	

Qualifiers
J - Estimated Value
U - Not detected at method detection limit.
NA - Not Analyzed
1 - ISCO-IW-16 is blind duplicate
of ISCO-IW-06

Table 3. Summary of Post-Pilot Testing Groundwater Analytical Results. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-01		ISCO-MW-01DL		ISCO-MW-04		ISCO-MW-04DL		ISCO-IW-05		ISCO-IW-05DL		ISCO-IW-06		ISCO-IW-06DL	
Lab Sample ID:			830640		830640D1		830641		830641D1		830642		830642D1		830643		830643D1	
Date Sampled:			5/17/2010		5/17/2010		5/17/2010		5/17/2010		5/20/2010		5/20/2010		5/20/2010		5/20/2010	
TCL VOCs SOM01.2	CAS Number	Units																
Acetone	67-64-1	ug/l	*6.4*	B	*7.3*	DJB	*5.3*	JB	*51*	DJB	*370*	EB	*290*	DB	24	B	21	DB
Benzene	71-43-2	ug/l	0.50	U	1.0	U	1.2	U	15	U	*0.037*	J	4.6	U	0.50	U	1.0	U
Bromochloromethane	74-97-5	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Bromodichloromethane	75-27-4	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Bromoform	75-25-2	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Bromomethane	74-83-9	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
2-Butanone (MEK)	78-93-3	ug/l	5.0	U	10	U	12	U	150	U	*7.8*		*8.9*	DJ	*0.80*	J	10	U
Carbon disulfide	75-15-0	ug/l	0.50	U	*0.12*	DJB	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Carbon tetrachloride	56-23-5	ug/l	0.50	U	1.0	U	1.2	U	15	U	*0.048*		4.6	U	*0.039*	J	1.0	U
Chlorobenzene	108-90-7	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Chloroethane	75-00-3	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Chloroform	67-66-3	ug/l	0.50	U	1.0	U	1.2	U	15	U	*0.29*	J	4.6	U	*0.28*	J	1.0	U
Chloromethane	74-87-3	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Cyclohexane	110-82-7	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,2-dichlorobenzene	95-50-1	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,3-dichlorobenzene	541-73-1	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,4-dichlorobenzene	106-46-7	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Dibromochloromethane	124-48-1	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Dichlorodifluoromethane	75-71-8	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,2-Dibromoethane	106-93-4	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,1-Dichloroethane	75-34-3	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,2-Dichloroethane	107-06-2	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,1-Dichloroethene	75-35-4	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.30	J	*0.29*	DJ	*2.7*		*3.1*	DJ	0.15	J	4.6	U	0.50		1.0	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,2-Dichloropropane	78-87-5	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Ethylbenzene	100-41-4	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
2-Hexanone	591-78-6	ug/l	5.0	U	10	U	12	U	150	U	*1.2*	JB	*5.4*	DJB	5	U	10	U
Isopropylbenzene	98-82-8	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	5.0	U	10	U	12	U	150	U	5.0	U	46	U	5	U	10	U
Methyl Acetate	79-20-9	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Methylene chloride	75-09-2	ug/l	*0.060*	JB	*0.15*	DJ	*0.22*	JB	*3.0*	DJB	0.50	U	*0.79*	DJB	*0.077*	JB	*0.17*	DJB
Methylcyclohexane	108-87-2	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	*1.3*		1.0	U	*0.69*	J	15	U	*0.60*		*0.50*	DJB	*0.83*	J	*0.61*	DJ
Styrene	100-42-5	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Tetrachloroethene	127-18-4	ug/l	*0.18*	J	*0.19*	DJ	*2.7*		*3.0*	DJ	*2.2*		*2.4*	DJ	*1.9*		*1.8*	D
Toluene	108-88-3	ug/l	*0.15*	J	*0.15*	DJ	1.2	U	15	U	*0.092*	J	4.6	U	*0.10*	J	*0.10*	DJ
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,1,1-Trichloroethane	71-55-6	ug/l	0.50	U	1.0	U	1.2	U	15	U	*0.12*	J	4.6	U	*0.069*	J	*0.062*	DJ
1,1,2-Trichloroethane	79-00-5	ug/l	0.50	U	1.0	U	1.2	U	15	U	*0.085*	J	4.6	U	0.50	U	1.0	U
Trichloroethene	79-01-6	ug/l	*23*	E	*23*	D	*390*	E	*410*	D	*110*	E	*120*	D	*31*	E	*28*	D
Trichlorofluoromethane	75-69-4	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
Vinyl chloride	75-01-4	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
o-Xylene	95-47-6	ug/l	0.50	U	1.0	U	1.2	U	15	U	0.50	U	4.6	U	0.50	U	1.0	U
m&p-Xylene	179601-23-1	ug/l	*0.069*	J	*0.079*	DJ	1.2	U	15	U	*0.042*	J	4.6	U	*0.042*	J	1.0	U
Total TIC, Volatile	Not Available	ug/l	*3.1*	JXB	*6.2*	JXBD	*7.0*	JXB	*94*	JXBD	*3.64*	NJXB	*29*	JXBD	*3.0*	JXB	*6.3*	JXBD

Notes

Italics and grey shading indicates compounded detected above MDL.

1 - ISCO-IW-16 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.

Panther Sample ID:			ISCO-IW-16[1]		ISCO-IW-16DL[1]	
Lab Sample ID:			830644		830644D1	
Date Sampled:			5/17/2010		5/17/2010	

TCL VOCs SOM01.2	CAS Number	Units				
Acetone	67-64-1	ug/l	*3.0*	JB	5.2	DJB
Benzene	71-43-2	ug/l	0.50	U	1.5	U
Bromochloromethane	74-97-5	ug/l	0.50	U	1.5	U
Bromodichloromethane	75-27-4	ug/l	0.50	U	1.5	U
Bromoform	75-25-2	ug/l	0.50	U	1.5	U
Bromomethane	74-83-9	ug/l	0.50	U	1.5	U
2-Butanone (MEK)	78-93-3	ug/l	5	U	15	U
Carbon disulfide	75-15-0	ug/l	*0.082*	JB	1.5	U
Carbon tetrachloride	56-23-5	ug/l	0.50	U	1.5	U
Chlorobenzene	108-90-7	ug/l	0.50	U	1.5	U
Chloroethane	75-00-3	ug/l	0.50	U	1.5	U
Chloroform	67-66-3	ug/l	0.50	U	1.5	U
Chloromethane	74-87-3	ug/l	0.50	U	1.5	U
Cyclohexane	110-82-7	ug/l	0.50	U	1.5	U
1,2-dichlorobenzene	95-50-1	ug/l	0.50	U	1.5	U
1,3-dichlorobenzene	541-73-1	ug/l	0.50	U	1.5	U
1,4-dichlorobenzene	106-46-7	ug/l	0.50	U	1.5	U
Dibromochloromethane	124-48-1	ug/l	0.50	U	1.5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.50	U	1.5	U
Dichlorodifluoromethane	75-71-8	ug/l	0.50	U	1.5	U
1,2-Dibromoethane	106-93-4	ug/l	0.50	U	1.5	U
1,1-Dichloroethane	75-34-3	ug/l	0.50	U	1.5	U
1,2-Dichloroethane	107-06-2	ug/l	0.50	U	1.5	U
1,1-Dichloroethene	75-35-4	ug/l	0.50	U	1.5	U
cis-1,2-Dichloroethene	156-59-2	ug/l	*2.8*		*2.7*	D
trans-1,2-Dichloroethene	156-60-5	ug/l	0.50	U	1.5	U
1,2-Dichloropropane	78-87-5	ug/l	0.50	U	1.5	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.50	U	1.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.50	U	1.5	U
Ethylbenzene	100-41-4	ug/l	0.50	U	1.5	U
2-Hexanone	591-78-6	ug/l	5.0	U	15	U
Isopropylbenzene	98-82-8	ug/l	0.50	U	1.5	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	5.0	U	15	U
Methyl Acetate	79-20-9	ug/l	0.50	U	1.5	U
Methylene chloride	75-09-2	ug/l	0.50	U	*0.19*	DJB
Methylcyclohexane	108-87-2	ug/l	0.50	U	1.5	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	*0.71*		*0.61*	DJ
Styrene	100-42-5	ug/l	0.50	U	1.5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.50	U	1.5	U
Tetrachloroethene	127-18-4	ug/l	*2.7*		*2.7*	D
Toluene	108-88-3	ug/l	0.50	U	1.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.50	U	1.5	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	*0.035*	JB	1.5	U
1,1,1-Trichloroethane	71-55-6	ug/l	*0.055*	J	1.5	U
1,1,2-Trichloroethane	79-00-5	ug/l	*0.089*	J	1.5	U
Trichloroethene	79-01-6	ug/l	*340*	E	*390*	DE
Trichlorofluoromethane	75-69-4	ug/l	0.50	U	1.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.50	U	1.5	U
Vinyl chloride	75-01-4	ug/l	0.50	U	1.5	U
o-Xylene	95-47-6	ug/l	0.50	U	1.5	U
m&p-Xylene	179601-23-1	ug/l	0.50	U	1.5	U
Total TIC, Volatile	Not Available	ug/l	*3*	JXB	*8.7*	JXBD

Notes
Italics and grey shading indicates compounded detected above MDL.
1 - ISCO-IW-16 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 4. Summary of Post Pilot TAL Metals and Geochemical Analysis. Lawrence Aviation Superfund Site. Port Jefferson, New York.

Panther Sample ID:			ISCO-MW-01		ISCO-MW-04		ISCO-IW-05		ISCO-IW-06		ISCO-IW-16[(1)]		FB100520	
Lab Sample ID:			830640		830641		830642		830643		830644		830645	
Date Sampled:			5/17/2010		5/17/2010		5/20/2010		5/20/2010		5/17/2010		5/20/2010	
TAL Metals ILM05.4	CAS Number	Units												
Silver	7440-22-4	ug/l	10	U	10	U	10	U	3.4	J	10	U	10	U
Antimony	7440-36-0	ug/l	60	U	60	U	60	U	60	U	60	U	60	U
Aluminum	7429-90-5	ug/l	1040		14000		760		6190		13900		200	U
Arsenic	7440-38-2	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
Barium	7440-39-3	ug/l	42..2	J	82.0	J	200	U	77.1	J	80.5	J	200	U
Beryllium	7440-41-7	ug/l	0.44	J	2.3	J	5.0	U	1.2	J	2.3	J	5.0	U
Calcium	7440-70-2	ug/l	15500		18700		18700		32400		18500		5000	U
Cadmium	7440-43-9	ug/l	5	U	0.78	J	5.0	U	1.6	J	0.72	J	5.0	U
Cobalt	7440-48-4	ug/l	50	U	50	U	50.0	U	50	U	1.0	J	50.0	U
Chromium	7440-47-3	ug/l	8.1	J	21.3		53		146		21.4		10.0	U
Copper	7440-50-8	ug/l	25	U	25	U	25	U	25	U	25	U	25.0	U
Iron	7439-89-6	ug/l	120		174		100	U	58.1	J	168		100	U
Magnesium	7439-95-4	ug/l	7270		8850		5930		14100		8690		5000	U
Mercury	7439-97-6	ug/l	0.20	U	0.20	U	0.20	U	0.49		0.20	U	0.20	U
Manganese	7439-96-5	ug/l	21.4		597		48800		15.0	U	619		4.4	J
Sodium	7440-23-5	ug/l	27600		24800		19400		43300		24500		5000	U
Nickel	7440-02-0	ug/l	32	J	241		2.4	J	176		239		40	U
Lead	7439-92-1	ug/l	4.1	J	6.3	J	4.9	J	21.6		5.5	J	10	U
Potassium	7440-09-7	ug/l	12600		13000		179000		76300		13100		5000	U
Selenium	7782-49-2	ug/l	35	U	35	U	6.0	J	116		35	U	35	U
Thallium	7440-28-0	ug/l	25	U	25	U	25	U	212		25	U	25	U
Vanadium	7440-62-2	ug/l	50	U	50	U	7.3	J	6.1	J	50	U	50	U
Zinc	7440-66-6	ug/l	20.1	J	39.1	J	14.0	J	42.7	J	38.6	J	60	U
Total Organic Carbon - SM5310B	NA	mg/l	5.3		3.5		8.8		3.5		2.2		NA	
Total Suspended Solids - SM2540D	NA	mg/l	5	U	5	U	6.5		5		5	U	NA	
Total Dissolved Solids - SM2540C	NA	mg/l	190		270		580		640		260		NA	
Chloride - MCAWW Method 300.0	NA	mg/l	35		32		12		24		32		NA	
Sulfate - MCAWW Method 300.0	NA	mg/l	25		31		15		32		30		NA	
Alkalinity - SM2320B	NA	mg/l	27		21		220		54		27		NA	

Qualifiers
J - Estimated Value
U - Not detected at method detection limit.
NA - Not Analyzed
1 - ISCO-IW-16 is a blind duplicate
of ISCO-MW-04

Table 5. Summary of Field Pilot Testing Laboratory Blank Analysis. Port Jefferson, New York.

Panther Sample ID:			FB100428		Trip Blank 0428		Trip Blank 0429		VBLKJC		VBLKJD		VBLKJE		VHBLK01		VIBLKJH	
Lab Sample ID:			828423		828428		828424		VBLKJC		VBLKJD		VBLKJE		VHBLK01		VIBLKJH	
Date Sampled:			4/28/2010		4/28/2010		4/29/2010		4/30/2010		5/1/2010		5/3/2010		5/3/2010		5/1/2010	
TCL VOCs SOM01.2	CAS Number	Units																
Acetone	67-64-1	ug/l	5.0	U	5.0	U	5.0	U	*3.2*	J	*2.8*	J	*2.2*	J	5.0	U	5.0	U
Benzene	71-43-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromochloromethane	74-97-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	75-27-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	75-25-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	74-83-9	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/l	5.0	U	5.0	U	5.0	U	*1.6*	J	*1.3*	J	*1.1*	J	5.0	U	5.0	U
Carbon disulfide	75-15-0	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	75-00-3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	67-66-3	ug/l	0.25	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	74-87-3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	110-82-7	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-dichlorobenzene	95-50-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-dichlorobenzene	541-73-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-dichlorobenzene	106-46-7	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	124-48-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	75-71-8	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	106-93-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	75-35-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	78-87-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	100-41-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	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
Isopropylbenzene	98-82-8	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	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
Methyl Acetate	79-20-9	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylene chloride	75-09-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylcyclohexane	108-87-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	108-88-3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	75-69-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	75-01-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	95-47-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m&p-Xylene	179601-23-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Total TIC, Volatile	Not Available	ug/l	*2.8*	JXB	*2.8*	JXB	*2.8*	JXB	*2.8*	JX	*2.7*	JX	*2.8*	JX	*2.8*	JXB	*2.7*	JXB

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.

Panther Sample ID:			VIBLKJI		VIBLKJJ		FB100520		Trip Blank		VBLKJV		VBLKJW		VBLKJA		VHBLK01	
Lab Sample ID:			VIBLKJI		VIBLKJJ		830645		830646		VIBLKMZ		VBLKJW		VBLKJA		VHBLK01	
Date Sampled:			5/1/2010		5/1/2010		5/20/2010		5/20/2010		5/25/2010		5/25/2010		5/27/2010		5/27/2010	
TCL VOCs SOM01.2	CAS Number	Units																
Acetone	67-64-1	ug/l	*1.2*	JB	5.0	U	*1.7*	JB	*1.8*	JB	*2.5*	J	*1.5*	J	*4.2*	J	*2.4*	JB
Benzene	71-43-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromochloromethane	74-97-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	75-27-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	75-25-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	74-83-9	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	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	*1.1*	J	0.62	JB
Carbon disulfide	75-15-0	ug/l	0.5	U	0.5	U	*0.092*	JB	*0.7*	JB	*0.10*	J	*0.068*	J	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	75-00-3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	67-66-3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	74-87-3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	110-82-7	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-dichlorobenzene	95-50-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-dichlorobenzene	541-73-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-dichlorobenzene	106-46-7	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	*0.038*	J	0.5	U	0.5	U	0.5	U
Dibromochloromethane	124-48-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	75-71-8	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	106-93-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	75-35-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	78-87-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	100-41-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Hexanone	591-78-6	ug/l	5.0	U	5.0	U	*1.0*	JB	5.0	U	*1.5*	J	*1.1*	J	*1.2*	J	5.0	U
Isopropylbenzene	98-82-8	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	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
Methyl Acetate	79-20-9	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	*0.16*	J	0.5	U	0.5	U	0.5	U
Methylene chloride	75-09-2	ug/l	0.5	U	0.5	U	*0.15*	JB	*0.11*	JB	*0.15*	J	*0.073*	J	0.5	U	0.5	U
Methylcyclohexane	108-87-2	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	108-88-3	ug/l	0.5	U	0.5	U	0.17	J	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.5	U	0.5	U	*0.053*	JB	0.5	U	*0.11*	J	0.075	J	0.5	U	0.5	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.5	U	0.5	U	*0.063*	JB	*0.044*	JB	*0.13*	J	0.06	J	*0.21*	J	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	J	0.5	U
Trichlorofluoromethane	75-69-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	75-01-4	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
o-Xylene	95-47-6	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
m&p-Xylene	179601-23-1	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Total TIC, Volatile	Not Available	ug/l	*5.0*	NJXB	*2.7*	JXB	*2.8*	JXB	*3.1*	JXB	*3.1*	JX	*3.1*	JX	*3.2*	JX	*2.9*	JXB

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 5. Summary of Field Pilot Testing Laboratory Blank Analysis. Port Jefferson, New York.

Panther Sample ID:			VIBLKJX		VIBLKJY		VIBLKJZ	
Lab Sample ID:			VIBLKJX		VIBLKJY		VIBLKJZ	
Date Sampled:			5/25/2010		5/25/2010		5/25/2010	
TCL VOCs SOM01.2	CAS Number	Units						
Acetone	67-64-1	ug/l	*2.6*	JB	*1.9*	JB	*37*	B
Benzene	71-43-2	ug/l	0.5	U	0.5	U	0.5	U
Bromochloromethane	74-97-5	ug/l	0.5	U	0.5	U	0.5	U
Bromodichloromethane	75-27-4	ug/l	0.5	U	0.5	U	0.5	U
Bromoform	75-25-2	ug/l	0.5	U	0.5	U	0.5	U
Bromomethane	74-83-9	ug/l	0.5	U	0.5	U	0.5	U
2-Butanone (MEK)	78-93-3	ug/l	5.0	U	5.0	U	*1.0*	J
Carbon disulfide	75-15-0	ug/l	0.5	U	0.5	U	0.5	U
Carbon tetrachloride	56-23-5	ug/l	0.5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	ug/l	0.5	U	0.5	U	0.5	U
Chloroethane	75-00-3	ug/l	0.5	U	0.5	U	0.5	U
Chloroform	67-66-3	ug/l	0.5	U	0.5	U	0.5	U
Chloromethane	74-87-3	ug/l	0.5	U	0.5	U	0.5	U
Cyclohexane	110-82-7	ug/l	0.5	U	0.5	U	0.5	U
1,2-dichlorobenzene	95-50-1	ug/l	0.5	U	0.5	U	0.5	U
1,3-dichlorobenzene	541-73-1	ug/l	0.5	U	0.5	U	0.5	U
1,4-dichlorobenzene	106-46-7	ug/l	0.5	U	0.5	U	0.5	U
Dibromochloromethane	124-48-1	ug/l	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	75-71-8	ug/l	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	106-93-4	ug/l	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	75-34-3	ug/l	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	107-06-2	ug/l	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	75-35-4	ug/l	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	156-59-2	ug/l	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	ug/l	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	78-87-5	ug/l	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	10061-01-5	ug/l	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	ug/l	0.5	U	0.5	U	0.5	U
Ethylbenzene	100-41-4	ug/l	0.5	U	0.5	U	0.5	U
2-Hexanone	591-78-6	ug/l	*0.33*	JB	5.0	U	5.0	U
Isopropylbenzene	98-82-8	ug/l	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	5.0	U	5.0	U	5.0	U
Methyl Acetate	79-20-9	ug/l	0.5	U	0.5	U	0.5	U
Methylene chloride	75-09-2	ug/l	*0.060*	JB	*0.10*	JB	*0.067*	JB
Methylcyclohexane	108-87-2	ug/l	0.5	U	0.5	U	0.5	U
Methyl Tert-Butyl Ether	1634-04-4	ug/l	0.5	U	0.5	U	0.5	U
Styrene	100-42-5	ug/l	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	0.5	U	0.5	U	0.5	U
Tetrachloroethene	127-18-4	ug/l	0.5	U	0.5	U	0.5	U
Toluene	108-88-3	ug/l	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	120-82-1	ug/l	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	87-61-6	ug/l	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	ug/l	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	ug/l	0.5	U	0.5	U	0.5	U
Trichloroethene	79-01-6	ug/l	*0.31*	J	*0.17*	J	*0.16*	J
Trichlorofluoromethane	75-69-4	ug/l	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	0.5	U	0.5	U	0.5	U
Vinyl chloride	75-01-4	ug/l	0.5	U	0.5	U	0.5	U
o-Xylene	95-47-6	ug/l	0.5	U	0.5	U	0.5	U
m&p-Xylene	179601-23-1	ug/l	0.5	U	0.5	U	0.5	U
Total TIC, Volatile	Not Available	ug/l	*3.2*	JX	*3.0*	JXB	*3.0*	JXB

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.

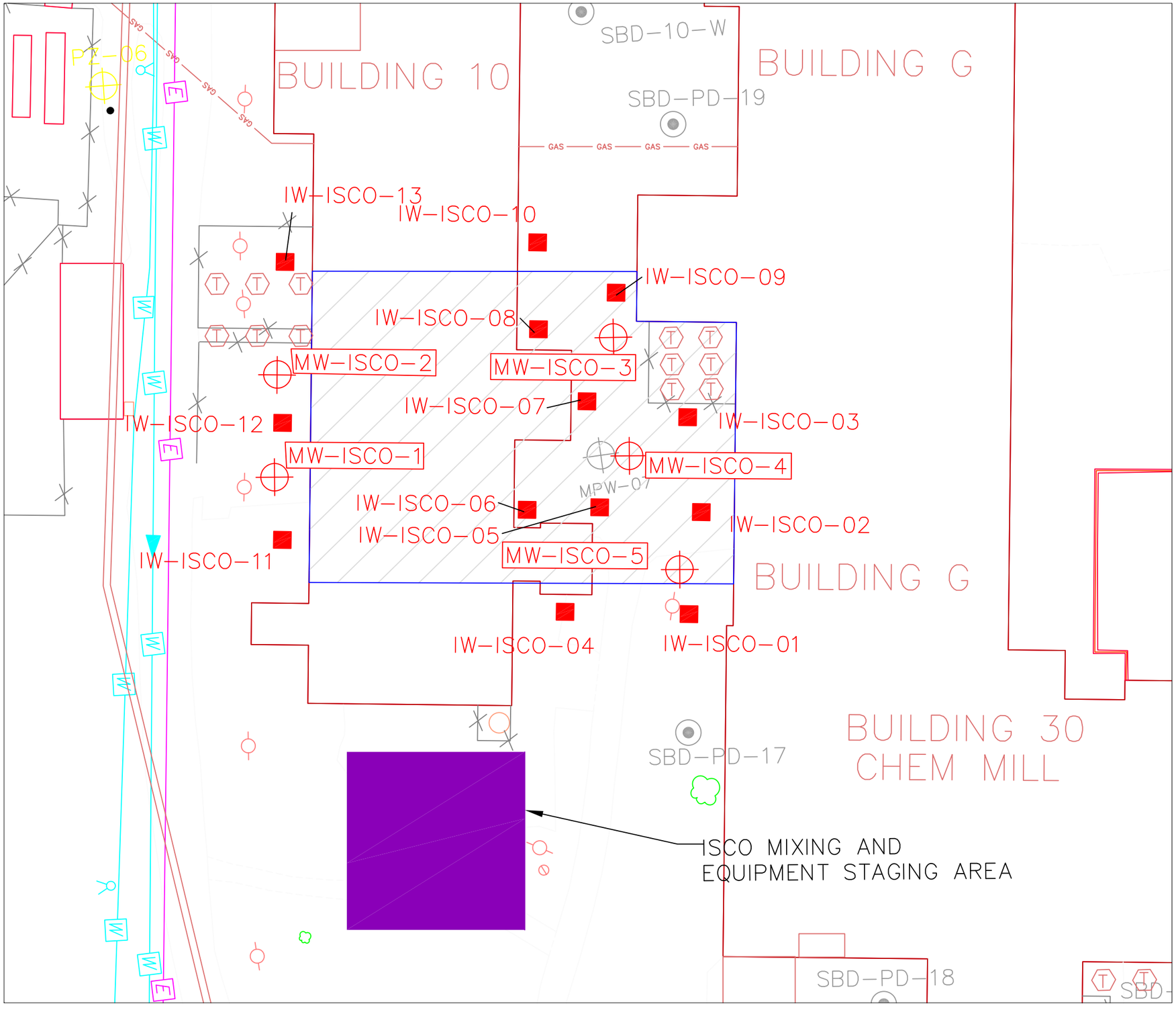
Qualifiers
J - Estimated Value
X - a non-target constituent that represented a compound that is related to the DMC formulation.
B - Analyte detected in associated method blank.
U - Not detected at method detection limit.
N - Indicates presumptive evidence of compound.

Table 6. Summary of ISCO Full-Scale Treatment Area Field and Analytical Monitoring. Lawrence Aviation Superfund Site. Port Jefferson, New York.

	Monitor Well Designation	Approximate Screened Interval (ft BGS)	*Field Parameters During Injections*						*Lab Parameters - Pre, Prefinal and Final*		
			pH	Color	Cond	ORP	Temp	DTW	TAL VOCs	TAL Metals	TOC, TDS, TSS Alkalinity, Sulfates, Chlorides
	Within Treatment Area										
1	MW-ISCO-01	207-217	√	√	√	√	√	√	√	√	√
2	MW-ISCO-02	207-217	√	√	√	√	√	√	√	√	√
3	MW-ISCO-03	206-216	√	√	√	√	√	√	√	√	√
4	MW-ISCO-04	206-216	√	√	√	√	√	√	√	√	√
5	MW-ISCO-05	206-216	√	√	√	√	√	√	√	√	√

Pre - Baseline prior to full-scale injections.
Prefinal - 30 days following injections.
Final - 180 days following injections.

FIGURES



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

40' 0' 40'

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	

APPENDIX A
PRE PILOT TEST WELL PURGING RECORDS
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

Figure 2. Ground Water Sampling Log

Project LAI Site Port Jeff. NY Well No. BCC MW01 Date 4/27/10

Well Depth 216' Screen Length 10.0' Well Diameter 4" Casing Type 4" ϕ Sch 80

Sampling Device QED MP50 Tubing type 1/4 dia 3/8 Dia. Water Level 0.01" SS WW

Measuring Point Toc Mark Other Infor Poly – Dedicated

Sampling Personnel J Simpson Page (1) of (2)

DTW

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]~~Conc~~			Notes
1500	6.18	14.7	0.321	6.60	19	188'4"			START PID 0 ppm –
1510	6.21	14.9	0.331	6.4	49				At Toc.
1520									
1530	6.17	15.4	0.306	5.12	143				
1540									
1550	6.16	15.3	0.305	4.28	138	188'4"			
1600									
1615	6.03	13.02	0.302	4.0	166	~~166~~			
1620	6.07	13.7	0.241	3.96		188'4"			
1630	6.08	13.05	0.249	4.14	154				
1640									Collect Samples

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 3. **Ground Water Sampling Log** (with automatic data logging for most water quality parameters)

Project LAI Site Port Jeff, NY Well No. 1500MW01 Date 4/27/10.
Well Depth 216' Screen Length 10.0' Well Diameter 4" Casing Type 4" ϕ SCH80/0.01" SSWW
Sampling Device GeoMP50 Tubing type 1/4 HDPE 3/8 DISCH Water Level
Measuring Point TOC MARK Other Infor Poly-DEDICATED

Sampling Personnel J. Simpson PAGE (2) OF (2)

Time	Pump Rate	Turbidity	TDS / Alkalinity / ORP mV	[ ] Conc	Notes
1500	180 ml/min.	0.21			
1510	180 "	0.20	87		
1520	—	—	—		
1530		0.20	87		
1540		0.20	90		
1550		0.20	89		
1600					
1615		0.21	90		
1620		—	90		
1630		0.19	91		

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 LAE **Site** Penn Yan, NY **Well No.** ISCO MW04 **Date** 4/27/10
Well Depth 216' **Screen Length** 10.0' **Well Diameter** 4" **Casing Type** Sch 80 PVC/0.01" WW, SS.
Sampling Device MP-50 **Tubing type** 3/8" Poly (Dedicated) **Water Level** 189.0'
Measuring Point Toc Mark **Other Infor**

Sampling Personnel J Simpson

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]Conc	DTW		Notes
1145	6.09	13.85	0.363	14.31	12.6		189.0		Start
1200									PID – 0 ppm @ Toc
1215	5.73	14.38	0.326	6.89	31		188'11"		
1230	5.74	14.78	0.330	6.91	29		"		
1245	5.77	14.91	0.328	6.79	22				
1250	5.78	~~16.35~~ 15.35	0.331	6.92	24		188'10"		
1255	5.77	15.2	0.330	6.91	25		"		
1330	SAMPLED.								

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 3. **Ground Water Sampling Log** (with automatic data logging for most water quality parameters)

Project LAI **Site** Port Jeff, NY **Well No.** MW-04 **Date** 4/27/10

Well Depth 216' **Screen Length** 10.0' **Well Diameter** 4" **Casing Type** SCH 80 PVC/0.01" WW SS

Sampling Device MP-50 **Tubing type** 3/8" Poly (DEDICATED) **Water Level** 189.01

Measuring Point TOC MARK **Other Infor**

Sampling Personnel J. Simpson Page (2) of (2)

Time	Pump Rate	Turbidity (TDS)	Alkalinity (ORP)	[ ] Conc	Notes
1145	185 mL/MIN.	0.20	171		
1215	194 mL/MIN	0.21	196		
1230	190 mL/MIN	0.21	201		
1245	190 "	0.21	206		
1250	195 "	0.21	207		

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 LAT Site Fort Jeff. NM Well No. ISO IW05 Date 4/28/10

Well Depth 22.1' Screen Length 20' Well Diameter 2" ϕ Casing Type SCH40 PVC

Sampling Device MP-50 Tubing type 3/8" poly (DEDICATED) Water Level 304 0.02" IW

Measuring Point TOC MARK Other Infor 55

Sampling Personnel J. Simpson

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]Conc	ORP DTW.		Notes
1005							188.91	"	Start — PID=0
1020							"		ppm
1030							188.91	"	
1045	6.03	11.2	0.297	4.4	16	208	"		
1100	6.05	11.34	0.298	4.31	15	205	"		
1115	6.04	11.2	0.297	4.36	14	205	188.91	"	
1130	6.05	11.44	0.298	4.29	12	206	"		
1145	—	Sample	—						

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 3. Ground Water Sampling Log (with automatic data logging for most water quality parameters)

Project LAI Site Port Jeff, NY Well No. ISW 1W05 Date 4/28/10
Well Depth 22' Screen Length 20' Well Diameter 2" ϕ Casing Type SCH 40 PVC
Sampling Device MP-50 Tubing type 3/8" poly (DEDICATED) Water Level
Measuring Point TOC MARK Other Infor

Sampling Personnel J. Simpson

TDS

Time	Pump Rate	Turbidity	Alkalinity	[ ] Conc	Notes
1005		0.19			
1020					
1030					
1045	190 ml/min				
1100	"	0.20			
1115	190 ml/min	0.19			
1130	190 "	0.19			

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 Site Port Jeff NY Well No. 1500 IW-06 Date 4/28/10

Well Depth 221' Screen Length 20' Well Diameter 2" ϕ Casing Type PVC Sch 40

Sampling Device MP50 QED Tubing type 1/4" MR. 3/8" DIS. Water Level 304.55 0.02

Measuring Point TOC MARK Other Infor Poly. SCREEN.

Sampling Personnel J. SIMPSON DTW — 188' 9"

ORP, DTW Pg. (1) of (2)

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]Conc			Notes
1315							188'9"		PID = 0 PPM @ Well Head.
1340	Pump on -								
1400									
1410	6.06	12.9	0.321	7.95	109	194	"		
1420	6.05	12.4	0.345	7.7	12.5	201	"		
1430	6.04	12.2	0.346	7.79	11.9	211	"		
1440	6.05	12.3	0.346	7.60	12.0	212			
1500									
1515									
1530	6.04	12.3	0.347	7.73	10	214	"		
1532	—	Sample	—						
		Collect	Blind	Dup					
		ID =	1500	IW-11		Time Report	1400.		

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 3. Ground Water Sampling Log (with automatic data logging for most water quality parameters)

Project LAI Site Pont Jeff NM Well No. 1510 MW Date 4/28/10

Well Depth 221' Screen Length 20' Well Diameter 2" ϕ Casing Type PVC SCH40 / 304 SS 0.02"

Sampling Device QED MP50 Tubing type 1/4" HDPE 3/8" DISCH Water Level

Measuring Point TOC MARK Other Infor Poly

Pg. (2) of (2)

Sampling Personnel J. Simpson

Time	Pump Rate	Turbidity TDS	Alkalinity	[ ] Conc	Notes
/					
/					
/					
1410	190 ml/min	0.21			
1420	"	0.21			
1430	"	0.22			
1440	"	0.21			
1500	"	0.21			
1515		0.22			
1530	"	0.23			

Type of Samples Collected

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

APPENDIX B
PRE PILOT TEST ANALYTICAL RESULTS
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

TestAmerica
South Burlington, VT

Extended Data Package

137114

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

May 13, 2010

Mr. Kevin Dyson
Panther Technologies ARRA
220 Route 70 East
Suite B
Medford, NJ 08055

Re: Laboratory Project No. 29000
Case: LASS; SDG: 137114

Dear Mr. Dyson:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on April 30th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 04/30/10 ETR No: 137114		
828421	ISCO MW 04	04/27/10	WATER
828422	ISCO MW 01	04/27/10	WATER
828423	FB 100428	04/28/10	WATER
828424	TRIP BLANK	04/29/10	WATER
828425	ISCO IW-05	04/28/10	WATER
828426	ISCO IW-06	04/28/10	WATER
828427	ISCO IW-16	04/28/10	WATER
828428	TRIP BLANK	04/28/10	WATER
828429	VHBLK01	04/30/10	WATER

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. After receipt in Burlington, containers for the analysis of Total Organic Carbon, Total Suspended Solids, Total Dissolved Solids, Chloride, Sulfate and Alkalinity were delivered to the TestAmerica laboratory in Savannah, Georgia. Those results are filed at the end of this case submittal in a section titled Subcontract Data.

ILM05.4Trace Metals (ICP/AES) and Mercury (CVAA)

Matrix spike and replicate analyses were not performed on the sample in this sample set. Laboratory control samples were prepared and analyzed in association with the samples, and there was an acceptable recovery of the spiked analyte(s) in each of those analyses. A serial dilution analysis was performed on the digestate of sample ISCO MW 04, and that analysis gave no indication of a matrix interference specific to the elements under evaluation. Trace levels

specific to zinc and a negative offset specific to iron were identified in the analysis of the method blanks associated with the analytical work. The trace levels and negative offset were within the method prescribed tolerances.

SOM01.2 Volatile Organics (Trace Level)

The samples in this sample set were analyzed by the referenced method. A storage blank was prepared for volatile organics analysis, and stored in association with the storage of the sample. That storage blank, identified as VHBLK01, was carried through holding period and analyzed with the sample.

Sample ISCO MW 04, ISCO MW 01, ISCO IW-05, ISCO IW-06 and ISCO IW-16 were analyzed at a dilution, based on the results of preliminary screening. An additional, more concentrated analysis was performed on these samples in order to provide for a lower reporting limit for those target analytes that were not identified in the primary analysis.

Each of the analyses associated with the sample set exhibited an acceptable internal standard performance. There was an acceptable recovery of each deuterated monitoring compound (DMC) in the analysis of each method blank and instrument blank associated with the analytical work, and in the analysis of the storage blank associated with the sample set. The analysis of each sample in this sample set did meet the technical acceptance criteria specific to DMC recoveries; although not all DMC recoveries were within the control range in each analysis. The method allowance criteria provides for the recovery of up to three DMCs to be outside the control range in the analysis of field samples. However Matrix spike and matrix spike duplicate analyses were not performed on samples in this sample set. The analysis of the method blank and storage blank associated with this sample set were free of analyte contamination. Present in the method blank and storage blank analyses was a non-target constituent that represented a compound that is related to the DMC formulation. The fact that the presence of this compound is not within the laboratory's control is at issue. The derived results for that compound have been qualified with an "X" qualifier to reflect the source of the contamination.

The responses for each target analyte met the relative standard deviation criterion in each initial calibration. The response for each target analyte met the percent difference criterion in each opening/continuing calibration check acquisition. The response for each target analyte met the 50.0 percent difference criterion in each closing calibration check acquisition.

The specification in the SOM01.2 Statement of Work requires that mass 83 be used for the quantification of methylcyclohexane. The laboratory did identify a contribution to mass 83 from 1,2-dichloropropane-d_6, one of the deuterated monitoring compounds (DMCs). The laboratory did change the primary quantitation mass assignment to mass 55 for the quantification of methylcyclohexane.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports. An itemized listing of the manual integrations that were performed is provided in the Sample Preparation section for this fraction, referencing the specific acquisition file names and the compounds for which manual integration was applied. The following explanation codes were used in identifying the reason for the manual quantifications.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,



Sara Goff
Project Manager

Chain of Custody **2**

Sample Report Summary Metals **5**

QC Summary Metals **13**

Supportive Documentation Metals **43**

Sample Preparation Metals **120**

QC Summary SOM01.2 Volatiles Trace **124**

Supportive Documentation SOM01.2 Volatiles Trace **137**

Standards SOM01.2 Volatiles Trace **284**

Raw QC Data SOM01.2 Volatiles Trace **353**

Sample Preparation SOM01.2 Volatiles Trace **438**

Sample Handling **461**

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

*: Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: PANTHER TECHNOLOGIES INC.	Company: (SAME)
Address: 220 ROUTE 70 EAST, STE B	Address:
MEDFORD, NJ 08055	
Contact: KEVIN DYSON	Contact:
Phone: (609) 714-2420	Phone:
Fax: (609 714-2495	Fax:
Contract/ Quote:	

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 2.9 / 1.7

1	2	3	4	5

Custody Seal N / (Y)
Intact N / (Y)

Screened For Radioactivity ☐

Sampler's Name: JON SIMPSON
Sampler's Signature:

Proj. No.: J303001
Project Name: LAWRENCE AVIATION SPFD SITE

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers: VOA	A/G Amber 1Lt 250	250 Plastic 250ml 250	P/O Plastic 500	SOMol.2 (VOC)	ILMo5.4 (Metals)	TSS	TDS / CL / ALK / SULFATES	TOC	Lab/Sample ID (Lab Use Only)
W	4/27	1330		X	ISCO MW 04	3	1	2	2	X	X	X	X	X	
W	4/27	1500		X	ISCO MW 01	3	1	2	2	X	X	X	X	X	
W	4/28	1630		X	FB 100428	3	1	2	2	X	← Hold →				
W	4/29			X	TRIP BLANK	3				X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/29/10	11:00		4/30/10	1618
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container 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

TAL-8234(1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to:
Company: Pantheon Technologies, Inc.
Address: 220 Route 70 E. Ste B
Medford NJ 08055
Contact: Kevin Dyson
Phone: (609) 714-2420
Fax: (609) 714-2495
Contract/ Quote:

Invoice to:
Company: (Same)
Address:
Contact:
Phone:
Fax:

Sampler's Name: Jon Simpson
Sampler's Signature:

Proj. No.: J303001
Project Name: Lawrence Aviation SPDS Site

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers[2] VOA	A/G Amb 250	250 Glass	P/O Plas. 500	SOM01.2 (VOC)	ILM05.4 (Metals)	TSS	TDS/Cl/Alk/Sulfates	TOC	Lab/Sample ID (Lab Use Only)
W	4/28	1145		X	ISCO IW-05	3	1	2	2	X	X	X	X	X	
W	4/28	1530		X	ISCO IW-06	↓	↓	↓	↓	X	X	X	X	X	
W	4/28	1400		X	ISCO IW-16	↓	↓	↓	↓	X	X	X	X	X	
W	4/28			X	Trip Blank	3				X					

ANALYSIS REQUESTED

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 2.9 1.7

1	2	3	4	5

Custody Seal: N / (Y)
Intact: N / (Y)

Screened For Radioactivity: ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jon Simpson	4/29/10	1100.	Vivian Kelly	4/30/10	1018
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container 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

TAL-8234(1007)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No: LASS NRAS No.: SDG No: 137114

SOW No.:

EPA Sample No.	Lab Sample ID
FB 100428	828423
ISCO IW-05	828425
ISCO IW-06	828426
ISCO IW-16	828427
ISCO MW 01	828422
ISCO MW 04	828421

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	YES
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	YES
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name:

Date: Title:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 100428

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Matrix (soil/water): WATER Lab Sample ID: 828423

Level (low/med): LOW Date Received: 04/30/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-95-4	Magnesium	5000	U		P
7439-97-6	Mercury	0.20	U		CV
7439-96-5	Manganese	15.0	U		P
7440-23-5	Sodium	5000	U		P
7440-02-0	Nickel	40.0	U		P
7439-92-1	Lead	10.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO IW-05

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Matrix (soil/water): WATER Lab Sample ID: 828425

Level (low/med): LOW Date Received: 04/30/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	14300			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	18.0	J		P
7440-41-7	Beryllium	2.2	J		P
7440-70-2	Calcium	9100			P
7440-43-9	Cadmium	0.91	J		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	44.8			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-95-4	Magnesium	4270	J		P
7439-97-6	Mercury	0.20	U		CV
7439-96-5	Manganese	803			P
7440-23-5	Sodium	28900			P
7440-02-0	Nickel	226			P
7439-92-1	Lead	10.0	U		P
7440-09-7	Potassium	41200			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	2.8	J		P
7440-66-6	Zinc	37.2	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO IW-06

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Matrix (soil/water): WATER Lab Sample ID: 828426

Level (low/med): LOW Date Received: 04/30/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	9390			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	30.6	J		P
7440-41-7	Beryllium	2.0	J		P
7440-70-2	Calcium	17900			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	36.6			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	33.5	J		P
7439-95-4	Magnesium	8430			P
7439-97-6	Mercury	0.20	U		CV
7439-96-5	Manganese	80.3			P
7440-23-5	Sodium	33500			P
7440-02-0	Nickel	114			P
7439-92-1	Lead	10.0	U		P
7440-09-7	Potassium	22300			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	39.0	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO IW-16

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Matrix (soil/water): WATER Lab Sample ID: 828427

Level (low/med): LOW Date Received: 04/30/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	9580			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	38.3	J		P
7440-41-7	Beryllium	2.0	J		P
7440-70-2	Calcium	18300			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	38.0			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	17.0	J		P
7439-95-4	Magnesium	8620			P
7439-97-6	Mercury	0.20	U		CV
7439-96-5	Manganese	82.1			P
7440-23-5	Sodium	34600			P
7440-02-0	Nickel	119			P
7439-92-1	Lead	10.0	U		P
7440-09-7	Potassium	22900			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	38.4	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO MW 01

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Matrix (soil/water): WATER Lab Sample ID: 828422

Level (low/med): LOW Date Received: 04/30/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	1930			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	51.3	J		P
7440-41-7	Beryllium	0.70	J		P
7440-70-2	Calcium	16500			P
7440-43-9	Cadmium	0.90	J		P
7440-48-4	Cobalt	6.8	J		P
7440-47-3	Chromium	1.6	J		P
7440-50-8	Copper	7.8	J		P
7439-89-6	Iron	705			P
7439-95-4	Magnesium	7580			P
7439-97-6	Mercury	0.20	U		CV
7439-96-5	Manganese	256			P
7440-23-5	Sodium	37300			P
7440-02-0	Nickel	118			P
7439-92-1	Lead	10.0	U		P
7440-09-7	Potassium	11400			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	59.0	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO MW 04

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Matrix (soil/water): WATER Lab Sample ID: 828421

Level (low/med): LOW Date Received: 04/30/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	13500			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	48.2	J		P
7440-41-7	Beryllium	2.6	J		P
7440-70-2	Calcium	18100			P
7440-43-9	Cadmium	1.5	J		P
7440-48-4	Cobalt	1.8	J		P
7440-47-3	Chromium	19.9			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	26.7	J		P
7439-95-4	Magnesium	8170			P
7439-97-6	Mercury	0.20	U		CV
7439-96-5	Manganese	855			P
7440-23-5	Sodium	24900			P
7440-02-0	Nickel	329			P
7439-92-1	Lead	10.0	U		P
7440-09-7	Potassium	12100			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	54.0	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:



QC Summary – Metals

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Initial Calibration Verification Source: Inorganic Ventures

Continuing Calibration Verification Source: SPEX

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury	3.0	2.93	98	5.0	5.06	101	5.08	102	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Initial Calibration Verification Source: Inorganic Ventures

Continuing Calibration Verification Source: SPEX

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	5.11	102			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Initial Calibration Verification Source: Inorganic Ventures

Continuing Calibration Verification Source: SPEX

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Silver	500.0	492.40	98	100.0	97.33	97	96.71	97	P
Aluminum	26000.0	26340.00	101	30200.0	29790.00	99	29760.00	99	P
Antimony	250.0	254.80	102	300.0	294.40	98	294.20	98	P
Arsenic	250.0	258.70	103	100.0	101.80	102	101.90	102	P
Barium	500.0	490.40	98	200.0	197.20	99	198.70	99	P
Beryllium	500.0	509.30	102	100.0	99.16	99	99.23	99	P
Calcium	25000.0	25660.00	103	30200.0	29610.00	98	29580.00	98	P
Cadmium	500.0	486.10	97	100.0	97.76	98	97.68	98	P
Cobalt	500.0	484.20	97	200.0	190.40	95	190.30	95	P
Chromium	500.0	487.10	97	200.0	192.90	96	191.70	96	P
Copper	500.0	475.20	95	200.0	187.60	94	186.50	93	P
Iron	25500.0	26000.00	102	30200.0	29740.00	98	29440.00	97	P
Magnesium	25000.0	25120.00	100	30200.0	29680.00	98	29760.00	99	P
Manganese	500.0	481.60	96	200.0	189.60	95	188.80	94	P
Sodium	25000.0	25290.00	101	30200.0	29730.00	98	29690.00	98	P
Nickel	500.0	473.70	95	200.0	187.40	94	187.50	94	P
Lead	1000.0	1023.00	102	400.0	401.40	100	407.40	102	P
Potassium	25000.0	25990.00	104	30200.0	29570.00	98	29740.00	98	P
Selenium	250.0	256.70	103	100.0	97.05	97	99.86	100	P
Thallium	250.0	252.60	101	100.0	101.90	102	102.70	103	P
Vanadium	500.0	506.40	101	200.0	198.50	99	196.40	98	P
Zinc	500.0	503.60	101	200.0	197.00	98	196.40	98	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Initial Calibration Verification Source: Inorganic Ventures

Continuing Calibration Verification Source: SPEX

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Silver				100.0	97.30	97	97.42	97	P
Aluminum				30200.0	29590.00	98	29640.00	98	P
Antimony				300.0	293.70	98	293.70	98	P
Arsenic				100.0	101.30	101	102.70	103	P
Barium				200.0	195.80	98	196.20	98	P
Beryllium				100.0	97.80	98	98.05	98	P
Calcium				30200.0	29320.00	97	29220.00	97	P
Cadmium				100.0	97.57	98	98.10	98	P
Cobalt				200.0	191.00	96	191.40	96	P
Chromium				200.0	191.10	96	191.70	96	P
Copper				200.0	186.10	93	185.50	93	P
Iron				30200.0	29390.00	97	29320.00	97	P
Magnesium				30200.0	29590.00	98	29660.00	98	P
Manganese				200.0	188.90	94	188.90	94	P
Sodium				30200.0	29520.00	98	29550.00	98	P
Nickel				200.0	186.50	93	187.30	94	P
Lead				400.0	405.80	101	407.00	102	P
Potassium				30200.0	29630.00	98	29610.00	98	P
Selenium				100.0	99.54	100	97.83	98	P
Thallium				100.0	103.90	104	102.10	102	P
Vanadium				200.0	196.30	98	194.40	97	P
Zinc				200.0	195.90	98	195.80	98	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRQL CHECK STANDARD

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: 137114

CRQL Check Standard Source: SPEX

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Mercury	0.2	0.23	115	0.22	110

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP FORMS

2B-IN

CRQL CHECK STANDARD

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: 137114

CRQL Check Standard Source: SPEX

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Silver	10.0	7.20 J	72	7.63 J	76
Aluminum	200.0	238.00	119	223.20	112
Antimony	60.0	62.22	104	62.67	104
Arsenic	10.0	7.12 J	71	10.77	108
Barium	200.0	201.70	101	202.50	101
Beryllium	5.0	5.36	107	5.27	105
Calcium	5000.0	5338.00	107	5374.00	107
Cadmium	5.0	5.21	104	4.93 J	99
Cobalt	50.0	50.55	101	50.83	102
Chromium	10.0	10.09	101	10.18	102
Copper	25.0	24.85 J	99	24.56 J	98
Iron	100.0	100.60	101	99.65 J	100
Magnesium	5000.0	5326.00	107	5255.00	105
Manganese	15.0	15.28	102	15.19	101
Sodium	5000.0	5332.00	107	5301.00	106
Nickel	40.0	41.44	104	40.96	102
Lead	10.0	11.52	115	9.86 J	99
Potassium	5000.0	5497.00	110	5431.00	109
Selenium	35.0	35.44	101	36.56	104
Thallium	25.0	26.11	104	25.70	103
Vanadium	50.0	51.59	103	50.39	101
Zinc	60.0	62.47	104	61.75	103

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP FORMS

2B-IN

CRQL CHECK STANDARD

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: 137114

CRQL Check Standard Source: SPEX

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Silver	10.0			7.53 J	75
Aluminum	200.0			203.50	102
Antimony	60.0			60.69	101
Arsenic	10.0			10.91	109
Barium	200.0			204.90	102
Beryllium	5.0			5.32	106
Calcium	5000.0			5378.00	108
Cadmium	5.0			5.19	104
Cobalt	50.0			51.08	102
Chromium	10.0			10.09	101
Copper	25.0			25.16	101
Iron	100.0			99.62 J	100
Magnesium	5000.0			5289.00	106
Manganese	15.0			15.20	101
Sodium	5000.0			5312.00	106
Nickel	40.0			40.33	101
Lead	10.0			10.78	108
Potassium	5000.0			5403.00	108
Selenium	35.0			38.60	110
Thallium	25.0			24.74 J	99
Vanadium	50.0			50.66	101
Zinc	60.0			61.82	103

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

3-IN
BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	CV

3-IN
BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Aluminum	200.000	U	200.000	U	200.000	U	200.000	U	200.000	U	P
Antimony	60.000	U	60.000	U	60.000	U	60.000	U	60.000	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	200.000	U	P
Beryllium	5.000	U	0.288	J	5.000	U	5.000	U	5.000	U	P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U	50.000	U	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	25.000	U	P
Iron	100.000	U	100.000	U	-15.380	J	100.000	U	-10.000	J	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Manganese	0.211	J	15.000	U	15.000	U	15.000	U	15.000	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	40.000	U	P
Lead	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Potassium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Selenium	35.000	U	35.000	U	35.000	U	35.000	U	35.000	U	P
Thallium	25.000	U	25.000	U	25.000	U	25.000	U	25.000	U	P
Vanadium	50.000	U	50.000	U	50.000	U	50.000	U	50.000	U	P
Zinc	0.315	J	60.000	U	60.000	U	60.000	U	0.913	J	P

3-IN
BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver			10.000	U							P
Aluminum			200.000	U							P
Antimony			60.000	U							P
Arsenic			10.000	U							P
Barium			200.000	U							P
Beryllium			5.000	U							P
Calcium			5000.000	U							P
Cadmium			5.000	U							P
Cobalt			50.000	U							P
Chromium			10.000	U							P
Copper			25.000	U							P
Iron			100.000	U							P
Magnesium			5000.000	U							P
Manganese			0.159	J							P
Sodium			5000.000	U							P
Nickel			40.000	U							P
Lead			10.000	U							P
Potassium			5000.000	U							P
Selenium			35.000	U							P
Thallium			25.000	U							P
Vanadium			50.000	U							P
Zinc			60.000	U							P

USEPA-CLP FORMS

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

ICP-AES Instrument ID: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Silver	0	200	-0.45		200	100	-1.2		201	100
Aluminum	250000	250000	244000	98	244000	98	244000	98	243000	97
Antimony	0	600	-4.7		598	100	-1.5		592	99
Arsenic	0	100	2.1		104	104	0.50		108	108
Barium	0	500	5.0		486	97	2.8		486	97
Beryllium	0	500	0.24		506	101	0.20		502	100
Calcium	250000	250000	242000	97	241000	96	240000	96	240000	96
Cadmium	0	1000	1.2		972	97	1.1		972	97
Cobalt	0	500	0.94		467	93	0.97		469	94
Chromium	0	500	0.097		479	96	-0.13		474	95
Copper	0	500	0.16		493	99	-0.15		488	98
Iron	100000	100000	95900	96	95700	96	94700	95	94500	94
Magnesium	250000	250000	239000	96	239000	96	237000	95	237000	95
Manganese	0	500	-2.1		475	95	-2.1		474	95
Sodium	0	0	5.9		2.5		36.1		12.1	
Nickel	0	1000	-3.9		909	91	-3.0		907	91
Lead	0	50	2.6		56.4	113	2.9		55.8	112
Potassium	0	0	-83.7		16.8		30.7		-71.9	
Selenium	0	50	0.62		47.7	95	-4.2		47.4	95
Thallium	0	100	1.4		101	101	3.0		102	102
Vanadium	0	500	-2.6		498	100	-3.2		490	98
Zinc	0	1000	0.069		982	98	-0.33		971	97

USEPA-CLP FORMS

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

ICP-AES Instrument ID: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Silver	0	200					-0.50		201	100
Aluminum	250000	250000					244000	98	243000	97
Antimony	0	600					-3.7		594	99
Arsenic	0	100					1.8		105	105
Barium	0	500					4.6		492	98
Beryllium	0	500					0.070		501	100
Calcium	250000	250000					240000	96	240000	96
Cadmium	0	1000					0.71		974	97
Cobalt	0	500					0.83		470	94
Chromium	0	500					-0.066		475	95
Copper	0	500					0.51		488	98
Iron	100000	100000					94800	95	94400	94
Magnesium	250000	250000					238000	95	237000	95
Manganese	0	500					-2.1		474	95
Sodium	0	0					22.1		1.8	
Nickel	0	1000					-2.9		909	91
Lead	0	50					4.4		55.6	111
Potassium	0	0					-19.0		-25.4	
Selenium	0	50					-0.79		55.0	110
Thallium	0	100					2.5		105	105
Vanadium	0	500					-2.9		490	98
Zinc	0	1000					-0.29		972	97

7 - IN
LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No: SDG NO.: 137114

Solid LCS Source:

Aqueous LCS Source: Inorganic Ventures

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Mercury	1.0	0.85	85						

7 - IN
LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No: SDG NO.: 137114

Solid LCS Source:

Aqueous LCS Source: Inorganic Ventures

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Silver	500.0	459.60	92						
Aluminum	51000.0	45540.00	89						
Antimony	2000.0	1880.00	94						
Arsenic	1050.0	1025.00	98						
Barium	500.0	452.00	90						
Beryllium	500.0	475.30	95						
Calcium	50000.0	44750.00	90						
Cadmium	525.0	476.70	91						
Cobalt	500.0	448.00	90						
Chromium	500.0	451.00	90						
Copper	500.0	444.50	89						
Iron	50500.0	45110.00	89						
Magnesium	50000.0	44300.00	89						
Manganese	500.0	446.00	89						
Sodium	50000.0	44040.00	88						
Nickel	500.0	435.30	87						
Lead	1015.0	980.40	97						
Potassium	50000.0	45490.00	91						
Selenium	525.0	502.50	96						
Thallium	550.0	518.50	94						
Vanadium	500.0	475.30	95						
Zinc	500.0	466.80	93						

USEPA-CLP FORMS

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ISCO MW 04L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	10.00	U	50.00	U			P
Aluminum	13500.00		13860.00		3		P
Antimony	60.00	U	300.00	U			P
Arsenic	10.00	U	50.00	U			P
Barium	48.19	J	54.85	J	14		P
Beryllium	2.57	J	4.16	J	62		P
Calcium	18130.00		18585.00	J	3		P
Cadmium	1.47	J	25.00	U	100		P
Cobalt	1.80	J	250.00	U	100		P
Chromium	19.90		20.18	J	1		P
Copper	25.00	U	125.00	U			P
Iron	26.66	J	500.00	U	100		P
Magnesium	8174.00		8170.00	J	0		P
Manganese	855.10		878.00		3		P
Sodium	24920.00		25765.00		3		P
Nickel	328.80		343.95		5		P
Lead	10.00	U	50.00	U			P
Potassium	12100.00		12780.00	J	6		P
Selenium	35.00	U	175.00	U			P
Thallium	25.00	U	125.00	U			P
Vanadium	50.00	U	250.00	U			P
Zinc	54.04	J	56.15	J	4		P

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: LASS NRAS No.: ___ SDG No.: 137114

Instrument Type: CV Instrument ID: LEEMAN HYDRA AA (2) Date: 04/28/2010
Preparation Method: CW1

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

Analyte	Wavelength /Mass	CRQL	MDL
Mercury	253.70	0.2	0.052

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: LASS NRAS No.: _____ SDG No.: 137114

Instrument Type: P Instrument ID: TJA ICAP 7 Date: 06/22/2009

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.22	200	56.0
Antimony	206.84	60	3.5
Arsenic	189.04	10	3.4
Barium	493.41	200	4.7
Beryllium	313.04	5	0.26
Cadmium	226.50	5	0.62
Calcium	317.93	5000	160.0
Chromium	267.72	10	0.44
Cobalt	228.62	50	0.85
Copper	324.75	25	2.2
Iron	271.44	100	14.0
Lead	220.35	10	3.4
Magnesium	279.08	5000	93.0
Manganese	257.61	15	0.14
Nickel	231.60	40	1.9
Potassium	766.49	5000	210.0
Selenium	296.03	35	5.6
Silver	328.07	10	1.7
Sodium	330.23	5000	92.0
Thallium	190.86	25	3.5
Vanadium	292.40	50	1.4
Zinc	206.20	60	0.28

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: LASS NRAS No.: _____ SDG No.: 137114

Instrument Type: P Instrument ID: TJA ICAP 7 Date: 06/30/2009

Preparation Method: HW1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.22	200	50.8
Antimony	206.84	60	4.7
Arsenic	189.04	10	6.4
Barium	493.41	200	8.5
Beryllium	313.04	5	0.27
Cadmium	226.50	5	0.72
Calcium	317.93	5000	168
Chromium	267.72	10	0.92
Cobalt	228.62	50	0.90
Copper	324.75	25	3.3
Iron	271.44	100	9.2
Lead	220.35	10	3.4
Magnesium	279.08	5000	66.6
Manganese	257.61	15	0.29
Nickel	231.60	40	1.9
Potassium	766.49	5000	201
Selenium	296.03	35	4.3
Silver	328.07	10	1.0
Sodium	330.23	5000	73.8
Thallium	190.86	25	1.8
Vanadium	292.40	50	1.6
Zinc	206.20	60	0.51

USEPA-CLP FORMS

10A-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	-0.0010006	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0530902	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	-0.0000336	0.0000000	0.0000000	0.0002388	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001735
Molybdenum	202.030	0.0588018	0.0000000	0.0009164	0.0070064	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0043119	-0.0001740
Vanadium	292.402	0.0000000	0.0000000	0.0049409	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000079	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0033805	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0003363
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0160924	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0019468	0.0603189	0.0000000	0.0000000	-0.0017009
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0001510
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0009648	0.0000000	0.0019415
Vanadium	292.402	0.0000000	0.0000000	0.0002205	0.0000472	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0004684	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000284	0.0000000	0.0000000	0.0000282
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000179	0.0000000	0.0000000
Manganese	257.610	0.0001041	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0001893	0.0002224	0.0000000	0.0000000	0.0006230
Nickel	231.604	-0.0001218	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000744	0.0000000	0.0000310	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0128328	0.0000000	0.0041606	0.0003344
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0015511
Copper	324.754	-0.0036758	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000164	0.0000427	0.0000375	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0001152	0.0000000	0.0007821	0.0000000	0.0018096
Molybdenum	202.030	-0.0022171	-0.0021668	0.0005431	0.0008995	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0077086	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0005674	0.0000000	0.0000000	0.0019090	0.0005625
Vanadium	292.402	0.0000000	-0.0023318	0.0000000	0.0019249	-0.0079209
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000083			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0001201			
Iron	271.441	0.0000241	0.0000599			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000300			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0184759	-0.0002216			
Nickel	231.604	0.0000000	0.0047199			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0009140	-0.0008084			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

11-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

ICP Instrument ID: TJA ICAP 7 Date: 04/01/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Aluminum	60.00	1000000.0	P
Antimony	20.00	10000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Beryllium	20.00	25000.0	P
Calcium	20.00	600000.0	P
Cadmium	60.00	5000.0	P
Cobalt	60.00	10000.0	P
Chromium	20.00	10000.0	P
Copper	20.00	20000.0	P
Iron	20.00	1000000.0	P
Magnesium	20.00	1000000.0	P
Manganese	20.00	50000.0	P
Sodium	20.00	100000.0	P
Nickel	20.00	50000.0	P
Lead	20.00	10000.0	P
Potassium	20.00	100000.0	P
Selenium	20.00	5000.0	P
Thallium	20.00	5000.0	P
Vanadium	20.00	50000.0	P
Zinc	20.00	10000.0	P

Comments:

ILM05.4

Form XI-IN

USEPA-CLP FORMS

12-IN

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Preparation Method: CW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW050410A	05/04/2010		50
LCSW050410A	05/04/2010		50
ISCO MW 04	05/04/2010		50
ISCO MW 01	05/04/2010		50
FB 100428	05/04/2010		50
ISCO IW-05	05/04/2010		50
ISCO IW-06	05/04/2010		50
ISCO IW-16	05/04/2010		50

Comments:

USEPA-CLP FORMS

12-IN

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: 137114

Preparation Method: HW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume(mL)
PBW050710C	05/07/2010		100
LCSW050710C	05/07/2010		100
ISCO MW 04	05/07/2010		100
ISCO MW 01	05/07/2010		100
ISCO IW-05	05/07/2010		100
ISCO IW-06	05/07/2010		100
ISCO IW-16	05/07/2010		100
FB 100428	05/07/2010		100

Comments:

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: 137114

Instrument ID: Leeman Hydra AA (2) Analysis Method: CV

Start Date: 05/06/2010 End Date: 05/06/2010

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0853															X										
S0.2	1.0	0856															X										
S0.5	1.0	0858															X										
S1	1.0	0859															X										
S5	1.0	0901															X										
S10	1.0	0905															X										
ICV	1.0	0906															X										
ICB	1.0	0909															X										
CRI	1.0	0911															X										
CCV	1.0	0913															X										
CCB	1.0	0915															X										
PBW050410A	1.0	0917															X										
LCSW050410A	1.0	0920															X										
ISCO MW 04	1.0	0922															X										
ISCO MW 01	1.0	0924															X										
FB 100428	1.0	0926															X										
ISCO IW-05	1.0	0928															X										
ISCO IW-06	1.0	0930															X										
ISCO IW-16	1.0	0932															X										
ZZZZZZ	1.0	0934																									
CCV	1.0	0936															X										
CCB	1.0	0938															X										
ZZZZZZ	1.0	0940																									
ZZZZZZ	1.0	0942																									
ZZZZZZ	1.0	0944																									
ZZZZZZ	1.0	0946																									
ZZZZZZ	1.0	0948																									
ZZZZZZ	1.0	0950																									
ZZZZZZ	1.0	0952																									
ZZZZZZ	1.0	0954																									
CRI	1.0	0956															X										
CCV	1.0	0958															X										
CCB	1.0	1000															X										

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: 137114

Instrument ID: TJA ICAP 7 Analysis Method: P

Start Date: 05/10/2010 End Date: 05/10/2010

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CalibStd-Blk	1.0	1702	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
STD7	1.0	1706	X						X				X		X				X			X				
STD8	1.0	1710		X	X									X						X			X			
STD4	1.0	1714				X	X	X		X	X	X				X		X			X			X	X	
ICV	1.0	1718	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.0	1722	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.0	1726	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.0	1730	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.0	1734	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	1737	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1741	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBW050710C	1.0	1745	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSW050710C	1.0	1749	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO MW 04	1.0	1753	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO MW 04L	5.0	1757	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO MW 01	1.0	1801	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO IW-05	1.0	1805	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO IW-06	1.0	1808	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO IW-16	1.0	1812	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1816																								
ZZZZZZ	1.0	1820																								
CCV	1.0	1824	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1828	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.0	1832																								
ZZZZZZ	1.0	1836																								
ZZZZZZ	1.0	1840																								
ZZZZZZ	1.0	1844																								
ZZZZZZ	1.0	1848																								
ZZZZZZ	1.0	1852																								
ZZZZZZ	1.0	1855																								
CRI	1.0	1859	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.0	1903	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.0	1907	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	1911	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1915	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: 137114

Instrument ID: TJA ICAP 7 Analysis Method: P

Start Date: 05/10/2010 End Date: 05/10/2010

EPA Sample NO.	D/F	Time	Analytes																							
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.0	1919																								
ZZZZZZ	1.0	1923																								
ZZZZZZ	1.0	1927																								
FB 100428	1.0	1930	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.0	1934	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.0	1938	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.0	1942	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	1946	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1950	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

Supportive Documentation – Metals

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Mercury Analysis

Runlog Review Report

Analyzed by: ALS Date: 5/6/2010
Reviewed by: HCS * Date: 5-6-10 *
QC Review by: SLD Date: 5-6-10

Leeman Hydra AA (2)
Mercury ILM05.3 4 *

QC use: Cal#: Prep# Inst#:

Seq	Sample ID	Analysis Date	Time	DF	Matrix	Data File	Prep Batch	Analyst Comments
1.	Std01Rep1	5/6/2010	08:53	1	WATER	050610AA.PRN		
2.	Std02Rep1	5/6/2010	08:56	1	WATER	050610AA.PRN		
3.	Std03Rep1	5/6/2010	08:58	1	WATER	050610AA.PRN		
4.	Std04Rep1	5/6/2010	08:59	1	WATER	050610AA.PRN		
5.	Std05Rep1	5/6/2010	09:01	1	WATER	050610AA.PRN		
6.	Std06Rep1	5/6/2010	09:05	1	WATER	050610AA.PRN		
7.	ICV1	5/6/2010	09:06	1	WATER	050610AA.PRN		
8.	ICB1	5/6/2010	09:09	1	WATER	050610AA.PRN		
9.	CRDL1	5/6/2010	09:11	1	WATER	050610AA.PRN		
10.	CCV1	5/6/2010	09:13	1	WATER	050610AA.PRN		
11.	CCB1	5/6/2010	09:15	1	WATER	050610AA.PRN		
12.	PBW050410A	5/6/2010	09:17	1	WATER	050610AA.PRN	PBHGW05041	
13.	LCSW050410A	5/6/2010	09:20	1	WATER	050610AA.PRN	PBHGW05041	
14.	828421	5/6/2010	09:22	1	WATER	050610AA.PRN	PBHGW05041	
15.	828422	5/6/2010	09:24	1	WATER	050610AA.PRN	PBHGW05041	
16.	828423	5/6/2010	09:26	1	WATER	050610AA.PRN	PBHGW05041	
17.	828425	5/6/2010	09:28	1	WATER	050610AA.PRN	PBHGW05041	
18.	828426	5/6/2010	09:30	1	WATER	050610AA.PRN	PBHGW05041	
19.	828427	5/6/2010	09:32	1	WATER	050610AA.PRN	PBHGW05041	
20.	827723	5/6/2010	09:34	1	WATER	050610AA.PRN	PBHGW05041	
21.	CCV2	5/6/2010	09:36	1	WATER	050610AA.PRN		
22.	CCB2	5/6/2010	09:38	1	WATER	050610AA.PRN		
23.	827724	5/6/2010	09:40	1	WATER	050610AA.PRN	PBHGW05041	
24.	827725	5/6/2010	09:42	1	WATER	050610AA.PRN	PBHGW05041	
25.	827726	5/6/2010	09:44	1	WATER	050610AA.PRN	PBHGW05041	
26.	827728	5/6/2010	09:46	1	WATER	050610AA.PRN	PBHGW05041	
27.	827729	5/6/2010	09:48	1	WATER	050610AA.PRN	PBHGW05041	
28.	827731	5/6/2010	09:50	1	WATER	050610AA.PRN	PBHGW05041	
29.	827733	5/6/2010	09:52	1	WATER	050610AA.PRN	PBHGW05041	
30.	827734	5/6/2010	09:54	1	WATER	050610AA.PRN	PBHGW05041	
31.	CRDL2	5/6/2010	09:56	1	WATER	050610AA.PRN		
32.	CCV3	5/6/2010	09:58	1	WATER	050610AA.PRN		
* 33.	CCB3 End of Run	5/6/2010	10:00	1	WATER	050610AA.PRN		
34.	827735	5/6/2010	10:02	1	WATER	050610AA.PRN	PBHGW05041	
35.	827737	5/6/2010	10:04	1	WATER	050610AA.PRN	PBHGW05041	
36.	827737MS	5/6/2010	10:06	1	WATER	050610AA.PRN	PBHGW05041	
37.	827737DP	5/6/2010	10:08	1	WATER	050610AA.PRN	PBHGW05041	
38.	CRDL3	5/6/2010	10:10	1	WATER	050610AA.PRN		
39.	CCV4	5/6/2010	10:12	1	WATER	050610AA.PRN		
40.	CCB4	5/6/2010	10:14	1	WATER	050610AA.PRN		

* SLD
5-6-10

Analytical Review Report
Data File: 050610AA.PRN

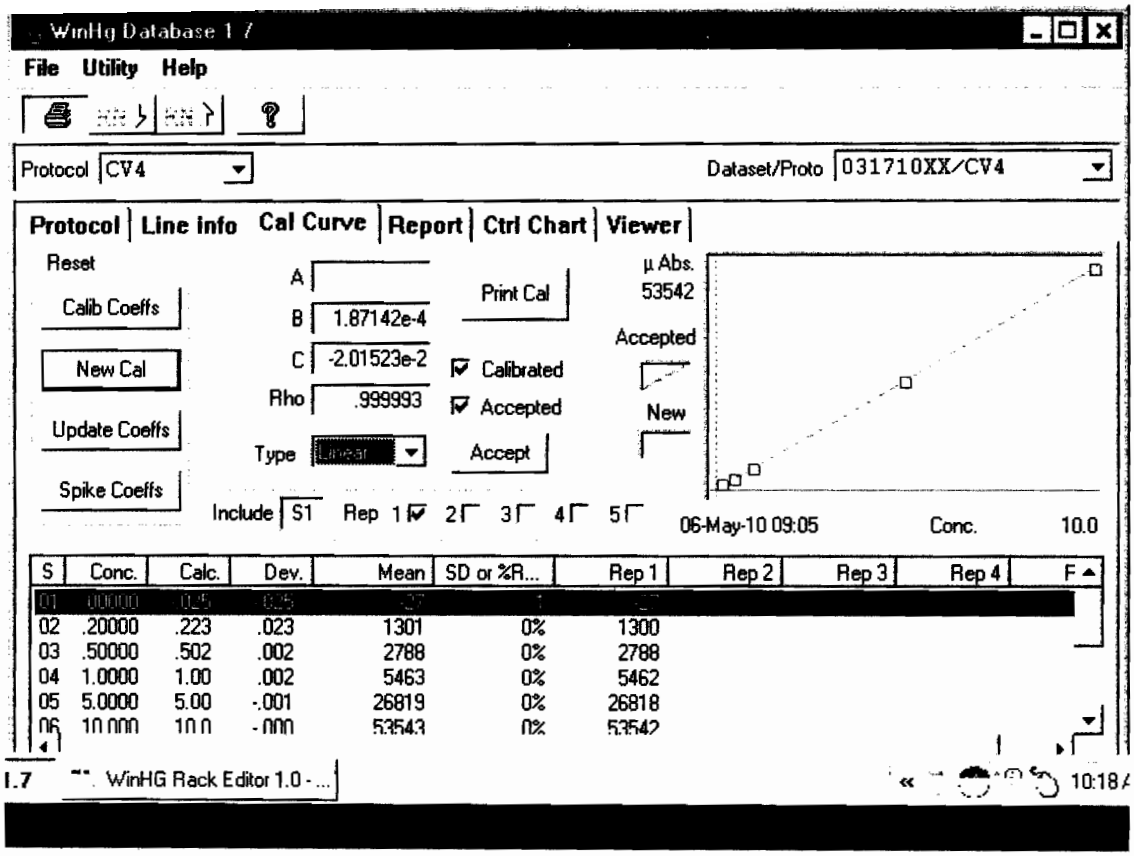
Date Printed: 5/6/10
Truevalue List: HG_ILM05.4

Leeman Hydra AA (2)
Mercury ILM05.3

Analysis Start Date: 5/6/2010 Start Time: 08:53
Analysis End Date: 5/6/2010 End Time: 10:14

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
Std01Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std02Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std03Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std04Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std05Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std06Rep1	1		0.000	0.000	0.000	0.00	0.0000				
ICV1	1	PASS	2.930	0.000	0.000	0.00	2.93	98.0	3.0	80	120
ICB1	1	PASS	-0.029	0.000	0.000	0.00	-0.029				+/-0.20
CRDL1	1	PASS	0.226	0.000	0.000	0.00	0.23	115.0	0.2	70	130
CCV1	1	PASS	5.060	0.000	0.000	0.00	5.06	101.0	5.0	80	120
CCB1	1	PASS	-0.030	0.000	0.000	0.00	-0.030				+/-0.20
CCV2	1	PASS	5.080	0.000	0.000	0.00	5.08	102.0	5.0	80	120
CCB2	1	PASS	0.007	0.000	0.000	0.00	0.007				+/-0.20
CRDL2	1	PASS	0.222	0.000	0.000	0.00	0.22	110.0	0.2	70	130
CCV3	1	PASS	5.110	0.000	0.000	0.00	5.11	102.0	5.0	80	120
CCB3	1	PASS	-0.033	0.000	0.000	0.00	-0.033				+/-0.20
CRDL3	1	PASS	0.238	0.000	0.000	0.00	0.24	120.0	0.2	70	130
CCV4	1	PASS	5.250	0.000	0.000	0.00	5.25	105.0	5.0	80	120
CCB4	1	PASS	-0.037	0.000	0.000	0.00	-0.037				+/-0.20
Quality Control and Field Samples											
PBW050410A	1	PASS	-0.027	0.000	0.000	0.00	-0.027				+/-0.20
LCSW050410A	1	PASS	0.846	0.000	0.000	0.00	0.85	85.0	1.0	80.0	120.0
828421	1	PASS	-0.027	0.000	0.000	0.00	-0.027				
828422	1	PASS	-0.007	0.000	0.000	0.00	-0.0070				
828423	1	PASS	-0.027	0.000	0.000	0.00	-0.027				
828425	1	PASS	-0.010	0.000	0.000	0.00	-0.010				
828426	1	PASS	-0.013	0.000	0.000	0.00	-0.013				
828427	1	PASS	-0.019	0.000	0.000	0.00	-0.019				
827723	1	PASS	-0.011	0.000	0.000	0.00	-0.011				
827724	1	PASS	-0.046	0.000	0.000	0.00	-0.046				
827725	1	PASS	-0.007	0.000	0.000	0.00	-0.0070				
827726	1	PASS	-0.023	0.000	0.000	0.00	-0.023				
827728	1	PASS	-0.006	0.000	0.000	0.00	-0.0060				
827729	1	PASS	-0.018	0.000	0.000	0.00	-0.018				
827731	1	PASS	-0.005	0.000	0.000	0.00	-0.0050				
827733	1	PASS	0.002	0.000	0.000	0.00	0.0020				
827734	1	PASS	-0.019	0.000	0.000	0.00	-0.019				
827735	1	PASS	-0.039	0.000	0.000	0.00	-0.039				
827737	1	PASS	-0.017	0.000	0.000	0.00	-0.017				
827737MS	1	PASS	0.867	0.000	0.000	0.00	0.8670	87.0	1.00	75	125
827737DP	1	PASS	-0.052	0.000	0.000	0.00	-0.0520				

(4-27-10) 0.052 MDL = ~~0.161~~ SVD 5-6-10


WinHg Database 1.7
File Utility Help
Protocol CV4
Dataset/Proto 031710XX/CV4
Protocol Line Info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.87142e-4
C -2.01523e-2
Rho .999993
Type Linear
Print Cal
Calibrated
Accepted
Accept
µ Abs.
53542
Accepted
New
Include S1 Rep 1 2 3 4 5
06-May-10 09:05
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %R... Rep 1 Rep 2 Rep 3 Rep 4 F
02 .20000 .223 .023 1301 0% 1300
03 .50000 .502 .002 2788 0% 2788
04 1.0000 1.00 .002 5463 0% 5462
05 5.0000 5.00 -.001 26819 0% 26818
WinHG Rack Editor 1.0 - ...

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: LCSW050410 050610AA				Seq: 1193		08:51:47 06 May 10			HG
Hg	.638	ppb	3448						
*** Standard: 1 Rep: 1				Seq: 1195		08:53:56 06 May 10			HG
Hg	.000	ppb	-27						
*** Standard: 2 Rep: 1				Seq: 1196		08:56:03 06 May 10			HG
Hg	.200	ppb	1300						
*** Standard: 3 Rep: 1				Seq: 1197		08:58:00 06 May 10			HG
Hg	.500	ppb	2788						
*** Standard: 4 Rep: 1				Seq: 1198		08:59:54 06 May 10			HG
Hg	1.00	ppb	5462						
*** Standard: 5 Rep: 1				Seq: 1199		09:01:48 06 May 10			HG
Hg	5.00	ppb	26818						
*** Standard: 6 Rep: 1				Seq: 1200		09:05:02 06 May 10			HG
Hg	10.0	ppb	53542						
*** Sample ID: ICV			050610BB	Seq: 1201		09:06:58 06 May 10			HG
Hg	2.93	ppb	15768						
*** Sample ID: ICB			050610BB	Seq: 1202		09:09:02 06 May 10			HG
Hg	-.029	ppb	-47						
*** Sample ID: CRI			050610BB	Seq: 1203		09:11:19 06 May 10			HG
Hg	.226	ppb	1314						
*** Sample ID: CCV			050610BB	Seq: 1204		09:13:53 06 May 10			HG
Hg	5.06	ppb	27161						
*** Sample ID: CCB			050610BB	Seq: 1205		09:15:47 06 May 10			HG
Hg	-.030	ppb	-55						

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: PBW050410A 050610BB Seq: 1206 09:17:40 06 May 10 HG								
Hg	-.027	ppb	-34					
*** Sample ID: LCSW050410 050610BB Seq: 1207 09:20:33 06 May 10 HG								
Hg	.846	ppb	4628					
*** Sample ID: 828421 050610BB Seq: 1208 09:22:28 06 May 10 HG								
Hg	-.027	ppb	-36					
*** Sample ID: 828422 050610BB Seq: 1209 09:24:24 06 May 10 HG								
Hg	-.007	ppb	68					
*** Sample ID: 828423 050610BB Seq: 1210 09:26:19 06 May 10 HG								
Hg	-.027	ppb	-35					
*** Sample ID: 828425 050610BB Seq: 1211 09:28:18 06 May 10 HG								
Hg	-.010	ppb	56					
*** Sample ID: 828426 050610BB Seq: 1212 09:30:14 06 May 10 HG								
Hg	-.013	ppb	39					
*** Sample ID: 828427 050610BB Seq: 1213 09:32:08 06 May 10 HG								
Hg	-.019	ppb	4					
*** Sample ID: 827723 050610BB Seq: 1214 09:34:01 06 May 10 HG								
Hg	-.011	ppb	48					
*** Sample ID: CCV 050610BB Seq: 1215 09:36:05 06 May 10 HG								
Hg	5.08	ppb	27244					
*** Sample ID: CCB 050610BB Seq: 1216 09:38:09 06 May 10 HG								
Hg	.007	ppb	146					
*** Sample ID: 827724 050610BB Seq: 1217 09:40:04 06 May 10 HG								
Hg	-.046	ppb	-136					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: 827725			050610BB	Seq:	1218	09:42:01 06 May 10			HG
Hg	-.007	ppb	69						
*** Sample ID: 827726			050610BB	Seq:	1219	09:44:07 06 May 10			HG
Hg	-.023	ppb	-13						
*** Sample ID: 827728			050610BB	Seq:	1220	09:46:02 06 May 10			HG
Hg	-.006	ppb	74						
*** Sample ID: 827729			050610BB	Seq:	1221	09:48:01 06 May 10			HG
Hg	-.018	ppb	11						
*** Sample ID: 827731			050610BB	Seq:	1222	09:50:05 06 May 10			HG
Hg	-.005	ppb	80						
*** Sample ID: 827733			050610BB	Seq:	1223	09:52:41 06 May 10			HG
Hg	.002	ppb	121						
*** Sample ID: 827734			050610BB	Seq:	1224	09:54:35 06 May 10			HG
Hg	-.019	ppb	6						
*** Sample ID: CRI			050610BB	Seq:	1225	09:56:31 06 May 10			HG
Hg	.222	ppb	1293						
*** Sample ID: CCV			050610BB	Seq:	1226	09:58:35 06 May 10			HG
Hg	5.11	ppb	27402						
*** Sample ID: CCB			050610BB	Seq:	1227	10:00:33 06 May 10			HG
Hg	-.033	ppb	-69						
*** Sample ID: 827735			050610BB	Seq:	1228	10:02:28 06 May 10			HG
Hg	-.039	ppb	-102						
*** Sample ID: 827737			050610BB	Seq:	1229	10:04:24 06 May 10			HG
Hg	-.017	ppb	19						

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 827737MS		050610BB	Seq: 1230	10:06:18 06 May 10			HG	
Hg	.867	ppb	4742					
*** Sample ID: 827737DP		050610BB	Seq: 1231	10:08:35 06 May 10			HG	
Hg	-.052	ppb	-170					
*** Sample ID: CRI		050610BB	Seq: 1232	10:10:40 06 May 10			HG	
Hg	.238	ppb	1378					
*** Sample ID: CCV		050610BB	Seq: 1233	10:12:35 06 May 10			HG	
Hg	5.25	ppb	28168					
*** Sample ID: CCB		050610BB	Seq: 1234	10:14:35 06 May 10			HG	
Hg	-.037	ppb	-91					

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW Date: 5/10/2010
Reviewed by: JSW * Date: 5-11-10 *
QC Review by: SLD Date: 5-12-10

TJA ICAP 7
ICP Metals ILM05.3 4*

QC use: Cal#: Prep# Inst#:

Seq	Sample ID	Analysis Date	Time	DF	Matrix	Data File	Prep Batch	Analyst Comments
1.	CalibStd-Blk	5/10/2010	17:02:46	1	WATER	051010-03.txt		TAC
2.	STD7	5/10/2010	17:06:40	1	WATER	051010-03.txt		
3.	STD8	5/10/2010	17:10:33	1	WATER	051010-03.txt		
4.	STD4	5/10/2010	17:14:31	1	WATER	051010-03.txt		
5.	ICV1	5/10/2010	17:18:29	1	WATER	051010-03.txt		
6.	ICB1	5/10/2010	17:22:24	1	WATER	051010-03.txt		
7.	CRI1	5/10/2010	17:26:21	1	WATER	051010-03.txt		
8.	ICSA1	5/10/2010	17:30:14	1	WATER	051010-03.txt		
9.	ICSAB1	5/10/2010	17:34:04	1	WATER	051010-03.txt		
10.	CCV1	5/10/2010	17:37:54	1	WATER	051010-03.txt		
11.	CCB1	5/10/2010	17:41:43	1	WATER	051010-03.txt		
12.	PBW050710C	5/10/2010	17:45:38	1	WATER	051010-03.txt	PBICPW0507	
13.	LCSW050710C	5/10/2010	17:49:31	1	WATER	051010-03.txt	PBICPW0507	
14.	828421	5/10/2010	17:53:23	1	WATER	051010-03.txt	PBICPW0507	
15.	828421L	5/10/2010	17:57:17	5	WATER	051010-03.txt	PBICPW0507	
16.	828422	5/10/2010	18:01:12	1	WATER	051010-03.txt	PBICPW0507	
17.	828425	5/10/2010	18:05:06	1	WATER	051010-03.txt	PBICPW0507	
18.	828426	5/10/2010	18:08:59	1	WATER	051010-03.txt	PBICPW0507	
19.	828427	5/10/2010	18:12:53	1	WATER	051010-03.txt	PBICPW0507	
20.	827706	5/10/2010	18:16:46	1	WATER	051010-03.txt	PBICPW0507	
21.	827708	5/10/2010	18:20:47	1	WATER	051010-03.txt	PBICPW0507	
22.	CCV2	5/10/2010	18:24:40	1	WATER	051010-03.txt		
23.	CCB2	5/10/2010	18:28:29	1	WATER	051010-03.txt		
24.	827711	5/10/2010	18:32:25	1	WATER	051010-03.txt	PBICPW0507	
25.	827712	5/10/2010	18:36:19	1	WATER	051010-03.txt	PBICPW0507	
26.	827713	5/10/2010	18:40:14	1	WATER	051010-03.txt	PBICPW0507	
27.	827715	5/10/2010	18:44:10	1	WATER	051010-03.txt	PBICPW0507	
28.	827717	5/10/2010	18:48:05	1	WATER	051010-03.txt	PBICPW0507	
29.	827717LX5	5/10/2010	18:52:00	1	WATER	051010-03.txt	PBICPW0507	
30.	827717A	5/10/2010	18:55:56	1	WATER	051010-03.txt	PBICPW0507	
31.	CRI2	5/10/2010	18:59:49	1	WATER	051010-03.txt		
32.	ICSA2	5/10/2010	19:03:42	1	WATER	051010-03.txt		
33.	ICSAB2	5/10/2010	19:07:33	1	WATER	051010-03.txt		
34.	CCV3	5/10/2010	19:11:23	1	WATER	051010-03.txt		
35.	CCB3	5/10/2010	19:15:13	1	WATER	051010-03.txt		
36.	827717S	5/10/2010	19:19:08	1	WATER	051010-03.txt	PBICPW0507	
37.	827717DP	5/10/2010	19:23:05	1	WATER	051010-03.txt	PBICPW0507	
38.	827718	5/10/2010	19:27:00	1	WATER	051010-03.txt	PBICPW0507	
39.	828423	5/10/2010	19:30:55	1	WATER	051010-03.txt	PBICPW0507	
40.	CRI3	5/10/2010	19:34:50	1	WATER	051010-03.txt		
41.	ICSA3	5/10/2010	19:38:45	1	WATER	051010-03.txt		
42.	ICSAB3	5/10/2010	19:42:38	1	WATER	051010-03.txt		
43.	CCV4	5/10/2010	19:46:28	1	WATER	051010-03.txt		
44.	CCB4	5/10/2010	19:50:17	1	WATER	051010-03.txt		

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Analytical Review Report
Data File: 051010-03.txt

Date Printed: 5/11/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.005	0.000	0.000	38.81	-0.005				
STD4	1		2.399	0.000	0.000	0.02	2.4				
ICV1	1	PASS	492.400	491.700	493.100	0.19	492.40	98.0	500.0	90	110
ICB1	1	PASS	-0.453	-0.241	-0.664	66.01	-0.453				+/-10.00
CRI1	1	PASS	7.196	6.608	7.783	11.54	7.20	72.0	10.0	70	130
ICSA1	1	FAIL	-0.452	-0.944	0.040	153.90	-0.45				0
ICSAB1	1	PASS	200.500	200.500	200.500	0.01	200	100.0	200	80	120
CCV1	1	PASS	97.330	97.730	96.940	0.58	97.33	97.0	100.0	90	110
CCB1	1	PASS	-0.506	-0.454	-0.558	14.42	-0.506				+/-10.00
CCV2	1	PASS	96.710	97.010	96.400	0.45	96.71	97.0	100.0	90	110
CCB2	1	PASS	-0.368	-0.689	-0.047	123.20	-0.368				+/-10.00
CRI2	1	PASS	7.630	7.564	7.696	1.22	7.63	76.0	10.0	70	130
ICSA2	1	FAIL	-1.209	-1.025	-1.394	21.56	-1.2				0
ICSAB2	1	PASS	200.900	200.900	201.000	0.04	201	100.0	200	80	120
CCV3	1	PASS	97.300	97.100	97.500	0.29	97.30	97.0	100.0	90	110
CCB3	1	PASS	-0.919	-0.627	-1.211	44.98	-0.919				+/-10.00
CRI3	1	PASS	7.528	6.997	8.060	9.98	7.53	75.0	10.0	70	130
ICSA3	1	FAIL	-0.501	0.441	-1.442	265.90	-0.50				0
ICSAB3	1	PASS	201.000	201.500	200.400	0.39	201	100.0	200	80	120
CCV4	1	PASS	97.420	98.370	96.480	1.38	97.42	97.0	100.0	90	110
CCB4	1	PASS	-0.476	-0.888	-0.064	122.50	-0.476				+/-10.00
Quality Control and Field Samples											
PBW050710C	1	PASS	-0.787	-0.564	-1.010	40.07	-0.787				+/-10.00
LCSW050710C	1	PASS	459.600	459.800	459.400	0.06	459.60	92.0	500.0	80.0	120.0
828421	1	PASS	-0.929	-0.384	-1.474	82.92	-0.93				
828421LX5	1	PASS	-0.197	0.181	-0.574	271.90	-0.20				
828422	1	PASS	0.107	-0.023	0.238	172.40	0.11				
828425	1	PASS	-0.201	0.185	-0.586	271.60	-0.20				
828426	1	PASS	-0.293	-0.247	-0.339	22.09	-0.29				
828427	1	PASS	-0.199	0.076	-0.475	195.30	-0.20				
827706	1	PASS	-0.780	-1.088	-0.472	55.77	-0.78				
827708	1	PASS	-0.409	0.160	-0.979	196.80	-0.41				
827711	1	PASS	0.348	0.613	0.083	107.70	0.35				
827712	1	PASS	0.214	0.224	0.204	6.52	0.21				
827713	1	PASS	-0.288	0.147	-0.722	213.50	-0.29				
827715	1	PASS	-0.601	0.036	-1.238	149.90	-0.60				
827717	1	PASS	-0.753	-1.256	-0.250	94.44	-0.75				
827717LX5	1	PASS	-0.130	-0.183	-0.076	57.96	-0.13				
827717A	1	FAIL	9.692	9.821	9.564	1.88	9.69	48.0	20.0	75	125
827717MS	1	PASS	52.050	52.030	52.080	0.07	52.0500	104.0	50.00	75	125
827717DP	1	PASS	-0.328	-0.276	-0.380	22.40	-0.3280				
827718	1	PASS	-0.270	-1.314	0.774	546.10	-0.27				
828423	1	PASS	-0.649	-0.542	-0.756	23.35	-0.65				

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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.001	0.000	0.000	199.50	-0.001				
STD7	1		2.756	0.000	0.000	0.02	2.8				
ICV1	1	PASS	26340.000	26250.000	26430.000	0.49	26340.00	101.0	26000.0	90	110
ICB1	1	PASS	8.126	47.370	-31.120	683.10	8.126				+/-200.00
CRI1	1	PASS	238.000	252.900	223.200	8.83	238.00	119.0	200.0	70	130
ICSA1	1	PASS	244400.000	244200.000	244600.000	0.12	244000	98.0	250000	80	120
ICSAB1	1	PASS	244100.000	243100.000	245100.000	0.57	244000	98.0	250000	80	120
CCV1	1	PASS	29790.000	29820.000	29760.000	0.15	29790.00	99.0	30200.0	90	110
CCB1	1	PASS	-6.681	35.540	-48.900	893.70	-6.681				+/-200.00
CCV2	1	PASS	29760.000	29730.000	29790.000	0.15	29760.00	99.0	30200.0	90	110
CCB2	1	PASS	-8.616	-23.560	6.332	245.40	-8.616				+/-200.00
CRI2	1	PASS	223.200	211.700	234.600	7.26	223.20	112.0	200.0	70	130
ICSA2	1	PASS	243600.000	243600.000	243500.000	0.00	244000	98.0	250000	80	120
ICSAB2	1	PASS	243200.000	243000.000	243500.000	0.16	243000	97.0	250000	80	120
CCV3	1	PASS	29590.000	29630.000	29560.000	0.19	29590.00	98.0	30200.0	90	110
CCB3	1	PASS	2.751	-10.320	15.830	672.10	2.751				+/-200.00
CRI3	1	PASS	203.500	214.500	192.600	7.61	203.50	102.0	200.0	70	130
ICSA3	1	PASS	243600.000	243500.000	243800.000	0.09	244000	98.0	250000	80	120
ICSAB3	1	PASS	242900.000	243000.000	242700.000	0.08	243000	97.0	250000	80	120
CCV4	1	PASS	29640.000	29620.000	29660.000	0.10	29640.00	98.0	30200.0	90	110
CCB4	1	PASS	-20.990	8.831	-50.820	200.90	-20.990				+/-200.00
Quality Control and Field Samples											
PBW050710C	1	PASS	29.060	42.220	15.900	64.06	29.060				+/-200.00
LCSW050710C	1	PASS	45540.000	45570.000	45510.000	0.09	45540.00	89.0	51000.0	80.0	120.0
828421	1	PASS	13500.000	13370.000	13630.000	1.38	13500				
828421LX5	1	PASS	2772.000	2789.000	2756.000	0.83	2770				
828422	1	PASS	1934.000	1927.000	1940.000	0.49	1930				
828425	1	PASS	14260.000	14280.000	14240.000	0.18	14300				
828426	1	PASS	9388.000	9403.000	9373.000	0.22	9390				
828427	1	PASS	9578.000	9575.000	9580.000	0.04	9580				
827706	1	PASS	109.600	138.100	81.160	36.71	110				
827708	1	PASS	337.600	322.100	353.100	6.49	338				
827711	1	PASS	3818.000	3798.000	3838.000	0.72	3820				
827712	1	PASS	9.696	20.220	-0.826	153.50	9.7				
827713	1	PASS	-2.027	-33.610	29.550	2203.00	-2.0				
827715	1	PASS	4522.000	4487.000	4556.000	1.08	4520				
827717	1	PASS	4877.000	4890.000	4864.000	0.37	4880				
827717LX5	1	PASS	941.700	943.500	940.000	0.27	942				
827717A	1	PASS	5229.000	5280.000	5178.000	1.39	5229.00	88.0	400.0	75	125
827717MS	1	FAIL	9576.000	9570.000	9581.000	0.08	9576.0000	235.0	2000.00	75	125
827717DP	1	FAIL	6006.000	6015.000	5998.000	0.20	6006.0000				
827718	1	PASS	26.890	25.940	27.830	4.96	26.9				
828423	1	PASS	-26.680	-4.636	-48.730	116.90	-26.7				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.001	0.000	0.000	1.30	0.001				
STD8	1		0.061	0.000	0.000	0.31	0.061				
ICV1	1	PASS	258.700	257.500	259.900	0.66	258.70	103.0	250.0	90	110
ICB1	1	PASS	0.256	0.222	0.289	18.38	0.256				+/-10.00
CRI1	1	PASS	7.120	6.503	7.738	12.27	7.12	71.0	10.0	70	130
ICSA1	1	FAIL	2.105	-0.798	5.009	195.00	2.1				0
ICSAB1	1	PASS	104.400	105.900	102.800	2.09	104	104.0	100	80	120
CCV1	1	PASS	101.800	102.500	101.000	0.99	101.80	102.0	100.0	90	110
CCB1	1	PASS	-2.028	-3.475	-0.581	100.90	-2.028				+/-10.00
CCV2	1	PASS	101.900	99.430	104.400	3.46	101.90	102.0	100.0	90	110
CCB2	1	PASS	0.770	0.606	0.934	30.18	0.770				+/-10.00
CRI2	1	PASS	10.770	9.415	12.120	17.74	10.77	108.0	10.0	70	130
ICSA2	1	FAIL	0.496	-0.179	1.170	192.40	0.50				0
ICSAB2	1	PASS	108.200	108.000	108.400	0.25	108	108.0	100	80	120
CCV3	1	PASS	101.300	102.600	99.900	1.89	101.30	101.0	100.0	90	110
CCB3	1	PASS	0.116	2.186	-1.955	2527.00	0.116				+/-10.00
CRI3	1	PASS	10.910	11.730	10.080	10.68	10.91	109.0	10.0	70	130
ICSA3	1	FAIL	1.828	3.245	0.410	109.70	1.8				0
ICSAB3	1	PASS	105.400	106.300	104.500	1.16	105	105.0	100	80	120
CCV4	1	PASS	102.700	103.900	101.600	1.56	102.70	103.0	100.0	90	110
CCB4	1	PASS	1.437	2.749	0.125	129.10	1.437				+/-10.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.221	-0.753	1.196	622.70	0.221				+/-10.00
LCSW050710C	1	PASS	1025.000	1023.000	1026.000	0.18	1025.00	98.0	1050.0	80.0	120.0
828421	1	PASS	0.750	2.775	-1.276	382.10	0.75				
828421LX5	1	PASS	-2.023	-1.185	-2.861	58.55	-2.0				
828422	1	PASS	0.440	0.290	0.590	48.29	0.44				
828425	1	PASS	0.939	0.441	1.438	75.09	0.94				
828426	1	PASS	-1.289	-3.909	1.331	287.40	-1.3				
828427	1	PASS	-2.363	-1.751	-2.974	36.58	-2.4				
827706	1	PASS	0.105	-2.168	2.378	3068.00	0.10				
827708	1	PASS	-0.908	0.206	-2.021	173.50	-0.91				
827711	1	PASS	0.005	-0.133	0.143	3692.00	0.005				
827712	1	PASS	-1.246	-2.691	0.199	164.00	-1.2				
827713	1	PASS	-1.621	-4.152	0.910	220.80	-1.6				
827715	1	PASS	0.077	-2.094	2.248	3984.00	0.077				
827717	1	PASS	0.693	0.579	0.808	23.36	0.69				
827717LX5	1	PASS	2.130	2.303	1.957	11.49	2.1				
827717A	1	PASS	21.870	22.570	21.180	4.49	21.87	109.0	20.0	75	125
827717MS	1	PASS	46.990	49.410	44.560	7.30	46.9900	117.0	40.00	75	125
827717DP	1	PASS	0.965	-0.918	2.848	275.80	0.9653				
827718	1	PASS	-0.190	-0.983	0.603	590.50	-0.19				
828423	1	PASS	1.220	-0.253	2.692	170.70	1.2				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.000	0.000	0.000	57.72	-0.000				
STD4	1		0.087	0.000	0.000	0.91	0.087				
ICV1	1	PASS	490.400	488.000	492.700	0.68	490.40	98.0	500.0	90	110
ICB1	1	PASS	2.187	3.178	1.197	64.02	2.187				+/-200.00
CRI1	1	PASS	201.700	203.000	200.400	0.93	201.70	101.0	200.0	70	130
ICSA1	1	FAIL	5.004	5.268	4.739	7.48	5.0				0
ICSAB1	1	PASS	486.200	485.100	487.300	0.31	486	97.0	500	80	120
CCV1	1	PASS	197.200	199.500	194.800	1.69	197.20	99.0	200.0	90	110
CCB1	1	PASS	2.155	-0.822	5.131	195.30	2.155				+/-200.00
CCV2	1	PASS	198.700	198.000	199.300	0.46	198.70	99.0	200.0	90	110
CCB2	1	PASS	1.597	-0.895	4.089	220.70	1.597				+/-200.00
CRI2	1	PASS	202.500	201.800	203.100	0.47	202.50	101.0	200.0	70	130
ICSA2	1	FAIL	2.758	7.569	-2.053	246.70	2.8				0
ICSAB2	1	PASS	485.600	489.500	481.700	1.14	486	97.0	500	80	120
CCV3	1	PASS	195.800	196.100	195.500	0.20	195.80	98.0	200.0	90	110
CCB3	1	PASS	3.740	3.807	3.674	2.52	3.740				+/-200.00
CRI3	1	PASS	204.900	210.200	199.600	3.67	204.90	102.0	200.0	70	130
ICSA3	1	FAIL	4.578	0.359	8.798	130.30	4.6				0
ICSAB3	1	PASS	491.800	488.400	495.200	0.98	492	98.0	500	80	120
CCV4	1	PASS	196.200	195.000	197.300	0.84	196.20	98.0	200.0	90	110
CCB4	1	PASS	-0.739	2.900	-4.379	696.10	-0.739				+/-200.00
Quality Control and Field Samples											
PBW050710C	1	PASS	6.698	9.944	3.452	68.53	6.698				+/-200.00
LCSW050710C	1	PASS	452.000	439.900	464.000	3.77	452.00	90.0	500.0	80.0	120.0
828421	1	PASS	48.190	48.120	48.260	0.20	48.2				
828421LX5	1	PASS	10.970	5.793	16.150	66.75	11.0				
828422	1	PASS	51.280	53.990	48.580	7.46	51.3				
828425	1	PASS	17.970	16.790	19.150	9.32	18.0				
828426	1	PASS	30.570	30.090	31.050	2.22	30.6				
828427	1	PASS	38.340	35.700	40.970	9.72	38.3				
827706	1	PASS	12.060	9.805	14.320	26.48	12.1				
827708	1	PASS	12.530	14.470	10.600	21.83	12.5				
827711	1	PASS	20.240	21.800	18.670	10.95	20.2				
827712	1	PASS	3.436	0.270	6.601	130.30	3.4				
827713	1	PASS	3.886	1.227	6.545	96.78	3.9				
827715	1	PASS	47.010	48.760	45.250	5.29	47.0				
827717	1	PASS	49.190	47.960	50.410	3.52	49.2				
827717LX5	1	PASS	9.561	9.549	9.572	0.17	9.6				
827717A	1	PASS	450.200	449.600	450.800	0.19	450.20	100.0	400.0	75	125
827717MS	1	PASS	2004.000	2016.000	1992.000	0.83	2004.0000	98.0	2000.00	75	125
827717DP	1	PASS	48.620	49.260	47.990	1.85	48.6200				
827718	1	PASS	17.660	20.300	15.020	21.14	17.7				
828423	1	PASS	2.284	5.566	-0.997	203.20	2.3				

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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.001	0.000	0.000	55.13	-0.001				
STD4	1		2.401	0.000	0.000	0.28	2.4				
ICV1	1	PASS	509.300	509.400	509.200	0.03	509.30	102.0	500.0	90	110
ICB1	1	PASS	0.154	0.297	0.011	131.70	0.154				+/-5.00
CRI1	1	PASS	5.360	5.439	5.282	2.07	5.36	107.0	5.0	70	130
ICSA1	1	FAIL	0.236	0.244	0.228	4.89	0.24				0
ICSAB1	1	PASS	506.500	504.600	508.400	0.54	506	101.0	500	80	120
CCV1	1	PASS	99.160	99.240	99.080	0.11	99.16	99.0	100.0	90	110
CCB1	1	PASS	0.288	0.506	0.069	107.30	0.288				+/-5.00
CCV2	1	PASS	99.230	99.410	99.050	0.26	99.23	99.0	100.0	90	110
CCB2	1	PASS	0.098	0.026	0.170	104.40	0.098				+/-5.00
CRI2	1	PASS	5.268	5.157	5.380	2.99	5.27	105.0	5.0	70	130
ICSA2	1	FAIL	0.197	0.352	0.042	111.30	0.20				0
ICSAB2	1	PASS	502.100	502.300	501.800	0.07	502	100.0	500	80	120
CCV3	1	PASS	97.800	97.350	98.250	0.65	97.80	98.0	100.0	90	110
CCB3	1	PASS	0.189	0.031	0.348	118.20	0.189				+/-5.00
CRI3	1	PASS	5.322	5.504	5.140	4.84	5.32	106.0	5.0	70	130
ICSA3	1	FAIL	0.070	0.231	-0.092	327.00	0.070				0
ICSAB3	1	PASS	501.400	501.400	501.500	0.01	501	100.0	500	80	120
CCV4	1	PASS	98.050	97.550	98.560	0.73	98.05	98.0	100.0	90	110
CCB4	1	PASS	0.164	0.320	0.008	134.70	0.164				+/-5.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.269	0.308	0.231	20.02	0.269				+/-5.00
LCSW050710C	1	PASS	475.300	475.100	475.600	0.08	475.30	95.0	500.0	80.0	120.0
828421	1	PASS	2.571	2.571	2.572	0.04	2.6				
828421LX5	1	PASS	0.833	0.830	0.835	0.42	0.83				
828422	1	PASS	0.697	0.674	0.721	4.81	0.70				
828425	1	PASS	2.239	2.239	2.239	0.03	2.2				
828426	1	PASS	1.980	1.834	2.127	10.45	2.0				
828427	1	PASS	1.980	2.150	1.810	12.15	2.0				
827706	1	PASS	0.105	0.030	0.181	101.70	0.10				
827708	1	PASS	0.091	-0.043	0.225	208.10	0.091				
827711	1	PASS	0.841	0.708	0.975	22.38	0.84				
827712	1	PASS	0.388	0.681	0.095	106.80	0.39				
827713	1	PASS	0.289	0.165	0.413	60.75	0.29				
827715	1	PASS	0.616	0.477	0.754	31.86	0.62				
827717	1	PASS	0.513	0.553	0.472	11.18	0.51				
827717LX5	1	PASS	0.276	0.443	0.108	86.02	0.28				
827717A	1	PASS	10.800	10.930	10.660	1.76	10.80	103.0	10.0	75	125
827717MS	1	PASS	52.860	53.060	52.650	0.55	52.8600	105.0	50.00	75	125
827717DP	1	PASS	0.541	0.496	0.587	11.83	0.5414				
827718	1	PASS	0.273	0.028	0.519	127.10	0.27				
828423	1	PASS	0.087	-0.014	0.188	163.90	0.087				

Analytical Review Report
Data File: 051010-03.txt

Date Printed: 5/11/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 **Start Time:** 17:02:4
Analysis End Date: 5/10/2010 **End Time:** 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.000	0.000	0.000	566.20	-0.000				
STD7	1		0.728	0.000	0.000	0.32	0.73				
ICV1	1	PASS	25660.000	25720.000	25600.000	0.32	25660.00	103.0	25000.0	90	110
ICB1	1	PASS	52.350	41.020	63.680	30.61	52.350				+/-5000.00
CRI1	1	PASS	5338.000	5350.000	5325.000	0.32	5338.00	107.0	5000.0	70	130
ICSA1	1	PASS	241600.000	241800.000	241300.000	0.14	242000	97.0	250000	80	120
ICSAB1	1	PASS	241300.000	240500.000	242100.000	0.47	241000	96.0	250000	80	120
CCV1	1	PASS	29610.000	29560.000	29660.000	0.26	29610.00	98.0	30200.0	90	110
CCB1	1	PASS	58.980	159.200	-41.280	240.40	58.980				+/-5000.00
CCV2	1	PASS	29580.000	29670.000	29500.000	0.43	29580.00	98.0	30200.0	90	110
CCB2	1	PASS	82.610	48.920	116.300	57.68	82.610				+/-5000.00
CRI2	1	PASS	5374.000	5447.000	5302.000	1.91	5374.00	107.0	5000.0	70	130
ICSA2	1	PASS	240300.000	240400.000	240100.000	0.10	240000	96.0	250000	80	120
ICSAB2	1	PASS	240100.000	240000.000	240100.000	0.03	240000	96.0	250000	80	120
CCV3	1	PASS	29320.000	29330.000	29310.000	0.04	29320.00	97.0	30200.0	90	110
CCB3	1	PASS	55.630	25.910	85.350	75.55	55.630				+/-5000.00
CRI3	1	PASS	5378.000	5373.000	5384.000	0.14	5378.00	108.0	5000.0	70	130
ICSA3	1	PASS	240500.000	240600.000	240500.000	0.03	240000	96.0	250000	80	120
ICSAB3	1	PASS	239600.000	239800.000	239400.000	0.13	240000	96.0	250000	80	120
CCV4	1	PASS	29220.000	29140.000	29300.000	0.39	29220.00	97.0	30200.0	90	110
CCB4	1	PASS	70.160	90.650	49.680	41.30	70.160				+/-5000.00
Quality Control and Field Samples											
PBW050710C	1	PASS	85.120	132.400	37.900	78.46	85.120				+/-5000.00
LCSW050710C	1	PASS	44750.000	44760.000	44740.000	0.03	44750.00	90.0	50000.0	80.0	120.0
828421	1	PASS	18130.000	17970.000	18280.000	1.22	18100				
828421LX5	1	PASS	3717.000	3729.000	3706.000	0.42	3720				
828422	1	PASS	16470.000	16420.000	16530.000	0.47	16500				
828425	1	PASS	9099.000	9033.000	9166.000	1.04	9100				
828426	1	PASS	17910.000	17900.000	17920.000	0.08	17900				
828427	1	PASS	18320.000	18360.000	18270.000	0.35	18300				
827706	1	PASS	15690.000	15720.000	15670.000	0.24	15700				
827708	1	PASS	42240.000	42290.000	42190.000	0.18	42200				
827711	1	PASS	8994.000	9011.000	8977.000	0.27	8990				
827712	1	PASS	157.400	166.200	148.500	7.97	157				
827713	1	PASS	97.620	100.000	95.210	3.49	97.6				
827715	1	PASS	5113.000	5048.000	5178.000	1.81	5110				
827717	1	PASS	4809.000	4828.000	4789.000	0.57	4810				
827717LX5	1	PASS	1058.000	1047.000	1070.000	1.52	1060				
827717A	1	PASS	15250.000	15250.000	15260.000	0.07	15250.00				
827717MS	1	PASS	5139.000	5217.000	5062.000	2.14	5139.0000				
827717DP	1	PASS	5005.000	5019.000	4991.000	0.40	5005.0000				
827718	1	PASS	1831.000	1847.000	1814.000	1.28	1830				
828423	1	PASS	45.340	40.480	50.210	15.17	45.3				

Analytical Review Report
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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.003	0.000	0.000	14.63	-0.003				
STD4	1		0.970	0.000	0.000	0.09	0.97				
ICV1	1	PASS	486.100	485.600	486.600	0.15	486.10	97.0	500.0	90	110
ICB1	1	PASS	0.175	-0.015	0.366	153.90	0.175				+/-5.00
CRI1	1	PASS	5.207	5.159	5.256	1.32	5.21	104.0	5.0	70	130
ICSA1	1	FAIL	1.158	1.386	0.929	27.92	1.2				0
ICSAB1	1	PASS	972.100	972.400	971.700	0.05	972	97.0	1000	80	120
CCV1	1	PASS	97.760	97.670	97.840	0.12	97.76	98.0	100.0	90	110
CCB1	1	PASS	0.095	0.060	0.130	52.12	0.095				+/-5.00
CCV2	1	PASS	97.680	97.690	97.670	0.01	97.68	98.0	100.0	90	110
CCB2	1	PASS	0.104	0.183	0.025	107.60	0.104				+/-5.00
CRI2	1	PASS	4.926	4.725	5.128	5.78	4.93	99.0	5.0	70	130
ICSA2	1	FAIL	1.060	1.170	0.949	14.77	1.1				0
ICSAB2	1	PASS	972.400	973.400	971.300	0.15	972	97.0	1000	80	120
CCV3	1	PASS	97.570	97.480	97.670	0.14	97.57	98.0	100.0	90	110
CCB3	1	PASS	-0.171	-0.105	-0.236	54.16	-0.171				+/-5.00
CRI3	1	PASS	5.194	5.256	5.132	1.68	5.19	104.0	5.0	70	130
ICSA3	1	FAIL	0.709	0.775	0.642	13.33	0.71				0
ICSAB3	1	PASS	973.600	972.700	974.500	0.13	974	97.0	1000	80	120
CCV4	1	PASS	98.100	97.910	98.290	0.27	98.10	98.0	100.0	90	110
CCB4	1	PASS	0.106	-0.033	0.245	184.90	0.106				+/-5.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.270	0.253	0.287	8.89	0.270				+/-5.00
LCSW050710C	1	PASS	476.700	477.100	476.300	0.12	476.70	91.0	525.0	80.0	120.0
828421	1	PASS	1.471	1.447	1.495	2.31	1.5				
828421LX5	1	PASS	0.225	0.248	0.201	14.72	0.23				
828422	1	PASS	0.898	0.812	0.984	13.48	0.90				
828425	1	PASS	0.910	0.765	1.055	22.49	0.91				
828426	1	PASS	0.366	0.421	0.311	21.32	0.37				
828427	1	PASS	0.687	0.855	0.519	34.59	0.69				
827706	1	PASS	0.150	0.196	0.103	44.18	0.15				
827708	1	PASS	0.068	0.303	-0.167	487.80	0.068				
827711	1	PASS	0.221	0.275	0.166	34.71	0.22				
827712	1	PASS	0.028	0.102	-0.045	367.70	0.028				
827713	1	PASS	-0.129	-0.071	-0.186	63.18	-0.13				
827715	1	PASS	0.093	0.111	0.075	27.03	0.093				
827717	1	PASS	0.120	0.108	0.133	14.71	0.12				
827717LX5	1	PASS	0.035	0.290	-0.220	1041.00	0.035				
827717A	1	PASS	10.020	9.909	10.140	1.60	10.02	100.0	10.0	75	125
827717MS	1	PASS	52.070	51.970	52.170	0.27	52.0700	104.0	50.00	75	125
827717DP	1	PASS	0.026	-0.042	0.094	368.40	0.0261				
827718	1	PASS	0.515	0.670	0.359	42.67	0.52				
828423	1	PASS	-0.017	0.289	-0.324	2505.00	-0.017				

Analytical Review Report
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Date Printed: 5/11/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.003	0.000	0.000	13.83	-0.003				
STD4	1		1.056	0.000	0.000	0.08	1.1				
ICV1	1	PASS	484.200	483.800	484.600	0.12	484.20	97.0	500.0	90	110
ICB1	1	PASS	0.465	0.497	0.432	9.91	0.465				+/-50.00
CRI1	1	PASS	50.550	50.350	50.750	0.57	50.55	101.0	50.0	70	130
ICSA1	1	FAIL	0.942	1.049	0.835	16.11	0.94				0
ICSAB1	1	PASS	467.300	467.300	467.300	0.00	467	93.0	500	80	120
CCV1	1	PASS	190.400	191.100	189.800	0.49	190.40	95.0	200.0	90	110
CCB1	1	PASS	0.450	0.153	0.746	93.27	0.450				+/-50.00
CCV2	1	PASS	190.300	190.200	190.400	0.08	190.30	95.0	200.0	90	110
CCB2	1	PASS	0.071	-0.243	0.385	624.80	0.071				+/-50.00
CRI2	1	PASS	50.830	50.760	50.900	0.19	50.83	102.0	50.0	70	130
ICSA2	1	FAIL	0.974	1.002	0.946	4.13	0.97				0
ICSAB2	1	PASS	469.000	469.700	468.200	0.22	469	94.0	500	80	120
CCV3	1	PASS	191.000	190.700	191.200	0.18	191.00	96.0	200.0	90	110
CCB3	1	PASS	-0.186	0.224	-0.595	311.70	-0.186				+/-50.00
CRI3	1	PASS	51.080	50.790	51.370	0.81	51.08	102.0	50.0	70	130
ICSA3	1	FAIL	0.825	0.292	1.359	91.47	0.83				0
ICSAB3	1	PASS	470.300	469.400	471.200	0.28	470	94.0	500	80	120
CCV4	1	PASS	191.400	191.600	191.100	0.16	191.40	96.0	200.0	90	110
CCB4	1	PASS	-0.442	-0.339	-0.545	33.01	-0.442				+/-50.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.202	0.347	0.058	100.90	0.202				+/-50.00
LCSW050710C	1	PASS	448.000	449.100	447.000	0.34	448.00	90.0	500.0	80.0	120.0
828421	1	PASS	1.801	1.787	1.815	1.09	1.8				
828421LX5	1	PASS	0.774	0.499	1.049	50.27	0.77				
828422	1	PASS	6.837	6.892	6.782	1.14	6.8				
828425	1	PASS	0.491	0.560	0.421	20.16	0.49				
828426	1	PASS	0.253	0.160	0.346	52.10	0.25				
828427	1	PASS	0.579	0.830	0.328	61.31	0.58				
827706	1	PASS	0.034	0.147	-0.079	470.70	0.034				
827708	1	PASS	0.835	0.752	0.918	14.08	0.83				
827711	1	PASS	1.021	0.557	1.485	64.31	1.0				
827712	1	PASS	-0.184	0.097	-0.466	216.10	-0.18				
827713	1	PASS	0.181	0.067	0.296	89.48	0.18				
827715	1	PASS	1.558	1.638	1.478	7.29	1.6				
827717	1	PASS	1.958	2.111	1.804	11.08	2.0				
827717LX5	1	PASS	0.491	0.438	0.543	15.10	0.49				
827717A	1	PASS	101.200	101.200	101.200	0.05	101.20	99.0	100.0	75	125
827717MS	1	PASS	528.000	527.400	528.500	0.15	528.0000	105.0	500.00	75	125
827717DP	1	PASS	2.035	1.872	2.199	11.36	2.0350				
827718	1	PASS	-0.099	-0.397	0.199	424.80	-0.099				
828423	1	PASS	0.057	-0.190	0.305	610.80	0.057				

Analytical Review Report
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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.000	0.000	0.000	2.92	-0.000				
STD4	1		1.466	0.000	0.000	0.02	1.5				
ICV1	1	PASS	487.100	486.600	487.700	0.16	487.10	97.0	500.0	90	110
ICB1	1	PASS	0.074	0.227	-0.078	289.20	0.074				+/-10.00
CRI1	1	PASS	10.090	9.969	10.220	1.76	10.09	101.0	10.0	70	130
ICSA1	1	FAIL	0.097	0.269	-0.076	252.00	0.097				0
ICSAB1	1	PASS	478.600	477.900	479.300	0.21	479	96.0	500	80	120
CCV1	1	PASS	192.900	193.100	192.700	0.17	192.90	96.0	200.0	90	110
CCB1	1	PASS	-0.116	-0.234	0.001	143.20	-0.117				+/-10.00
CCV2	1	PASS	191.700	191.600	191.900	0.09	191.70	96.0	200.0	90	110
CCB2	1	PASS	0.168	0.072	0.263	80.53	0.168				+/-10.00
CRI2	1	PASS	10.180	10.130	10.230	0.70	10.18	102.0	10.0	70	130
ICSA2	1	FAIL	-0.133	-0.020	-0.246	119.90	-0.13				0
ICSAB2	1	PASS	474.000	473.000	475.000	0.29	474	95.0	500	80	120
CCV3	1	PASS	191.100	191.100	191.000	0.03	191.10	96.0	200.0	90	110
CCB3	1	PASS	0.131	0.073	0.189	62.35	0.131				+/-10.00
CRI3	1	PASS	10.090	10.020	10.150	0.89	10.09	101.0	10.0	70	130
ICSA3	1	FAIL	-0.066	0.245	-0.378	664.70	-0.066				0
ICSAB3	1	PASS	475.100	474.800	475.400	0.09	475	95.0	500	80	120
CCV4	1	PASS	191.700	191.500	191.900	0.18	191.70	96.0	200.0	90	110
CCB4	1	PASS	0.157	0.288	0.026	117.70	0.157				+/-10.00
Quality Control and Field Samples											
PBW050710C	1	PASS	-0.093	-0.170	-0.016	117.40	-0.093				+/-10.00
LCSW050710C	1	PASS	451.000	451.700	450.300	0.22	451.00	90.0	500.0	80.0	120.0
828421	1	PASS	19.900	19.870	19.930	0.22	19.9				
828421LX5	1	PASS	4.036	4.027	4.044	0.30	4.0				
828422	1	PASS	1.634	1.704	1.564	6.04	1.6				
828425	1	PASS	44.770	44.540	44.990	0.71	44.8				
828426	1	PASS	36.620	36.790	36.450	0.67	36.6				
828427	1	PASS	37.950	37.810	38.100	0.55	38.0				
827706	1	PASS	0.336	0.351	0.321	6.32	0.34				
827708	1	PASS	0.312	0.089	0.535	101.00	0.31				
827711	1	PASS	6.315	6.436	6.193	2.72	6.3				
827712	1	PASS	-0.118	-0.055	-0.180	75.26	-0.12				
827713	1	PASS	-0.032	-0.164	0.100	583.30	-0.032				
827715	1	PASS	5.332	5.268	5.396	1.70	5.3				
827717	1	PASS	5.845	5.966	5.723	2.93	5.8				
827717LX5	1	PASS	1.274	1.164	1.385	12.31	1.3				
827717A	1	PASS	25.620	25.520	25.730	0.57	25.62	99.0	20.0	75	125
827717MS	1	PASS	215.900	215.900	215.900	0.01	215.9000	105.0	200.00	75	125
827717DP	1	PASS	7.485	7.437	7.533	0.90	7.4850				
827718	1	PASS	5.510	5.640	5.380	3.34	5.5				
828423	1	PASS	-0.096	-0.161	-0.031	95.59	-0.096				

Analytical Review Report
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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.088	0.000	0.000	5.60	0.088				
STD4	1		7.119	0.000	0.000	0.16	7.1				
ICV1	1	PASS	475.200	474.500	475.900	0.21	475.20	95.0	500.0	90	110
ICB1	1	PASS	0.137	0.416	-0.142	288.20	0.137				+/-25.00
CRI1	1	PASS	24.850	24.850	24.840	0.03	24.85	99.0	25.0	70	130
ICSA1	1	FAIL	0.158	-0.811	1.127	866.00	0.16				0
ICSAB1	1	PASS	493.200	492.700	493.700	0.15	493	99.0	500	80	120
CCV1	1	PASS	187.600	187.700	187.500	0.07	187.60	94.0	200.0	90	110
CCB1	1	PASS	-0.217	-0.001	-0.433	140.70	-0.217				+/-25.00
CCV2	1	PASS	186.500	187.100	185.900	0.43	186.50	93.0	200.0	90	110
CCB2	1	PASS	-0.314	-0.484	-0.145	76.18	-0.314				+/-25.00
CRI2	1	PASS	24.560	24.530	24.590	0.17	24.56	98.0	25.0	70	130
ICSA2	1	FAIL	-0.149	-0.376	0.078	215.30	-0.15				0
ICSAB2	1	PASS	488.200	489.300	487.100	0.33	488	98.0	500	80	120
CCV3	1	PASS	186.100	186.100	186.100	0.01	186.10	93.0	200.0	90	110
CCB3	1	PASS	-0.208	0.257	-0.673	316.40	-0.208				+/-25.00
CRI3	1	PASS	25.160	24.820	25.500	1.90	25.16	101.0	25.0	70	130
ICSA3	1	FAIL	0.513	0.224	0.801	79.57	0.51				0
ICSAB3	1	PASS	487.800	488.100	487.600	0.08	488	98.0	500	80	120
CCV4	1	PASS	185.500	187.200	183.900	1.26	185.50	93.0	200.0	90	110
CCB4	1	PASS	0.058	0.025	0.091	79.77	0.058				+/-25.00
Quality Control and Field Samples											
PBW050710C	1	PASS	-0.329	0.014	-0.671	147.20	-0.329				+/-25.00
LCSW050710C	1	PASS	444.500	445.600	443.300	0.36	444.50	89.0	500.0	80.0	120.0
828421	1	PASS	0.480	0.598	0.361	34.91	0.48				
828421LX5	1	PASS	-0.327	0.581	-1.235	392.40	-0.33				
828422	1	PASS	7.824	8.389	7.259	10.21	7.8				
828425	1	PASS	1.089	1.432	0.747	44.46	1.1				
828426	1	PASS	0.083	0.270	-0.105	321.60	0.083				
828427	1	PASS	0.116	-0.002	0.234	144.40	0.12				
827706	1	PASS	0.317	0.697	-0.062	169.00	0.32				
827708	1	PASS	3.233	2.760	3.705	20.69	3.2				
827711	1	PASS	3.297	3.291	3.304	0.28	3.3				
827712	1	PASS	0.241	0.536	-0.055	173.60	0.24				
827713	1	PASS	-0.417	-0.702	-0.133	96.36	-0.42				
827715	1	PASS	6.363	5.800	6.927	12.52	6.4				
827717	1	PASS	7.618	7.488	7.747	2.40	7.6				
827717LX5	1	PASS	1.298	0.856	1.740	48.16	1.3				
827717A	1	PASS	55.440	56.080	54.800	1.63	55.44	96.0	50.0	75	125
827717MS	1	PASS	260.800	261.000	260.700	0.07	260.8000	101.0	250.00	75	125
827717DP	1	PASS	9.259	9.205	9.312	0.81	9.2590				
827718	1	PASS	4.059	4.189	3.929	4.53	4.1				
828423	1	PASS	1.435	1.302	1.568	13.11	1.4				

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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.005	0.000	0.000	6.62	-0.005				
STD7	1		8.309	0.000	0.000	0.07	8.3				
ICV1	1	PASS	26000.000	25960.000	26030.000	0.20	26000.00	102.0	25500.0	90	110
ICB1	1	PASS	6.153	11.260	1.042	117.50	6.153				+/-100.00
CRI1	1	PASS	100.600	100.100	101.000	0.64	100.60	101.0	100.0	70	130
ICSA1	1	PASS	95890.000	95740.000	96030.000	0.22	95900	96.0	100000	80	120
ICSAB1	1	PASS	95700.000	95740.000	95660.000	0.06	95700	96.0	100000	80	120
CCV1	1	PASS	29740.000	29740.000	29750.000	0.04	29740.00	98.0	30200.0	90	110
CCB1	1	PASS	-2.715	-9.227	3.797	339.20	-2.715				+/-100.00
CCV2	1	PASS	29440.000	29430.000	29460.000	0.07	29440.00	97.0	30200.0	90	110
CCB2	1	PASS	-15.380	-18.690	-12.070	30.47	-15.380				+/-100.00
CRI2	1	PASS	99.650	107.100	92.200	10.58	99.65	100.0	100.0	70	130
ICSA2	1	PASS	94660.000	94710.000	94610.000	0.08	94700	95.0	100000	80	120
ICSAB2	1	PASS	94510.000	94700.000	94320.000	0.28	94500	94.0	100000	80	120
CCV3	1	PASS	29390.000	29420.000	29360.000	0.14	29390.00	97.0	30200.0	90	110
CCB3	1	PASS	-1.563	7.758	-10.880	843.50	-1.563				+/-100.00
CRI3	1	PASS	99.620	83.410	115.800	23.00	99.62	100.0	100.0	70	130
ICSA3	1	PASS	94780.000	94750.000	94820.000	0.05	94800	95.0	100000	80	120
ICSAB3	1	PASS	94360.000	94320.000	94400.000	0.06	94400	94.0	100000	80	120
CCV4	1	PASS	29320.000	29370.000	29270.000	0.25	29320.00	97.0	30200.0	90	110
CCB4	1	PASS	5.886	9.277	2.496	81.46	5.886				+/-100.00
Quality Control and Field Samples											
PBW050710C	1	PASS	-10.000	-16.000	-3.999	84.87	-10.000				+/-100.00
LCSW050710C	1	PASS	45110.000	45040.000	45180.000	0.21	45110.00	89.0	50500.0	80.0	120.0
828421	1	PASS	26.660	23.140	30.180	18.67	26.7				
828421LX5	1	PASS	-11.510	-12.050	-10.970	6.62	-11.5				
828422	1	PASS	704.700	702.800	706.600	0.39	705				
828425	1	PASS	5.777	18.400	-6.848	309.10	5.8				
828426	1	PASS	33.450	37.550	29.360	17.31	33.5				
828427	1	PASS	17.040	16.570	17.510	3.87	17.0				
827706	1	PASS	2340.000	2335.000	2346.000	0.33	2340				
827708	1	PASS	702.100	700.000	704.200	0.42	702				
827711	1	PASS	3469.000	3473.000	3465.000	0.15	3470				
827712	1	PASS	-6.157	-10.480	-1.838	99.21	-6.2				
827713	1	PASS	-7.733	-13.460	-2.003	104.80	-7.7				
827715	1	PASS	4664.000	4673.000	4655.000	0.26	4660				
827717	1	PASS	5147.000	5144.000	5150.000	0.09	5150				
827717LX5	1	PASS	1021.000	1024.000	1019.000	0.39	1020				
827717A	1	FAIL	5180.000	5174.000	5187.000	0.18	5180.00	16.0	200.0	75	125
827717MS	1	PASS	7586.000	7583.000	7589.000	0.05	7586.0000	244.0	1000.00	75	125
827717DP	1	PASS	6199.000	6190.000	6209.000	0.22	6199.0000				
827718	1	PASS	32.460	29.760	35.160	11.77	32.5				
828423	1	PASS	-16.980	-14.270	-19.680	22.56	-17.0				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.004	0.000	0.000	113.50	-0.004				
STD7	1		2.075	0.000	0.000	0.12	2.1				
ICV1	1	PASS	25990.000	26050.000	25940.000	0.30	25990.00	104.0	25000.0	90	110
ICB1	1	PASS	52.360	7.945	96.780	120.00	52.360				+/-5000.00
CRI1	1	PASS	5497.000	5416.000	5578.000	2.09	5497.00	110.0	5000.0	70	130
ICSA1	1	FAIL	-83.730	-65.510	-102.000	30.78	-83.7				0
ICSAB1	1	FAIL	16.770	7.868	25.670	75.06	16.8				0
CCV1	1	PASS	29570.000	29560.000	29580.000	0.04	29570.00	98.0	30200.0	90	110
CCB1	1	PASS	50.160	35.460	64.860	41.44	50.160				+/-5000.00
CCV2	1	PASS	29740.000	29630.000	29850.000	0.50	29740.00	98.0	30200.0	90	110
CCB2	1	PASS	-84.660	-106.300	-63.010	36.17	-84.660				+/-5000.00
CRI2	1	PASS	5431.000	5475.000	5387.000	1.14	5431.00	109.0	5000.0	70	130
ICSA2	1	FAIL	30.710	67.220	-5.793	168.10	30.7				0
ICSAB2	1	FAIL	-71.940	-46.780	-97.100	49.46	-71.9				0
CCV3	1	PASS	29630.000	29560.000	29700.000	0.33	29630.00	98.0	30200.0	90	110
CCB3	1	PASS	-59.640	4.094	-123.400	151.10	-59.640				+/-5000.00
CRI3	1	PASS	5403.000	5488.000	5319.000	2.22	5403.00	108.0	5000.0	70	130
ICSA3	1	FAIL	-19.010	-101.800	63.810	616.20	-19.0				0
ICSAB3	1	FAIL	-25.430	-1.055	-49.810	135.60	-25.4				0
CCV4	1	PASS	29610.000	29450.000	29760.000	0.74	29610.00	98.0	30200.0	90	110
CCB4	1	PASS	44.820	28.260	61.370	52.24	44.820				+/-5000.00
Quality Control and Field Samples											
PBW050710C	1	PASS	-23.810	86.470	-134.100	654.90	-23.810				+/-5000.00
LCSW050710C	1	PASS	45490.000	45480.000	45490.000	0.02	45490.00	91.0	50000.0	80.0	120.0
828421	1	PASS	12100.000	11990.000	12210.000	1.26	12100				
828421LX5	1	PASS	2556.000	2591.000	2520.000	1.97	2560				
828422	1	PASS	11370.000	11390.000	11350.000	0.27	11400				
828425	1	PASS	41180.000	41130.000	41230.000	0.18	41200				
828426	1	PASS	22320.000	22300.000	22350.000	0.17	22300				
828427	1	PASS	22870.000	22880.000	22860.000	0.06	22900				
827706	1	PASS	6914.000	6932.000	6896.000	0.38	6910				
827708	1	PASS	2528.000	2548.000	2509.000	1.09	2530				
827711	1	PASS	1846.000	1853.000	1838.000	0.56	1850				
827712	1	PASS	-17.680	-114.200	78.820	771.80	-17.7				
827713	1	PASS	-0.510	-1.428	0.408	254.70	-0.51				
827715	1	PASS	4965.000	5000.000	4929.000	1.02	4960				
827717	1	PASS	4752.000	4834.000	4670.000	2.44	4750				
827717LX5	1	PASS	956.100	977.300	934.800	3.14	956				
827717A	1	PASS	15510.000	15650.000	15370.000	1.30	15510.00				
827717MS	1	PASS	5187.000	5195.000	5178.000	0.23	5187.0000				
827717DP	1	PASS	5045.000	5044.000	5047.000	0.04	5045.0000				
827718	1	PASS	1223.000	1112.000	1333.000	12.79	1220				
828423	1	PASS	25.300	13.660	36.940	65.08	25.3				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.000	0.000	0.000	72.18	0.000				
STD7	1		0.827	0.000	0.000	0.13	0.83				
ICV1	1	PASS	25120.000	25100.000	25140.000	0.10	25120.00	100.0	25000.0	90	110
ICB1	1	PASS	-5.054	-4.432	-5.675	17.40	-5.054				+/-5000.00
CRI1	1	PASS	5326.000	5369.000	5283.000	1.14	5326.00	107.0	5000.0	70	130
ICSA1	1	PASS	238700.000	238800.000	238600.000	0.05	239000	96.0	250000	80	120
ICSAB1	1	PASS	238700.000	238000.000	239300.000	0.36	239000	96.0	250000	80	120
CCV1	1	PASS	29680.000	29550.000	29810.000	0.63	29680.00	98.0	30200.0	90	110
CCB1	1	PASS	-14.200	-9.349	-19.050	48.31	-14.200				+/-5000.00
CCV2	1	PASS	29760.000	29700.000	29820.000	0.28	29760.00	99.0	30200.0	90	110
CCB2	1	PASS	1.368	24.410	-21.670	2382.00	1.368				+/-5000.00
CRI2	1	PASS	5255.000	5310.000	5199.000	1.50	5255.00	105.0	5000.0	70	130
ICSA2	1	PASS	237400.000	238000.000	236900.000	0.34	237000	95.0	250000	80	120
ICSAB2	1	PASS	237300.000	237300.000	237300.000	0.01	237000	95.0	250000	80	120
CCV3	1	PASS	29590.000	29480.000	29690.000	0.52	29590.00	98.0	30200.0	90	110
CCB3	1	PASS	-23.290	-20.130	-26.450	19.18	-23.290				+/-5000.00
CRI3	1	PASS	5289.000	5322.000	5257.000	0.87	5289.00	106.0	5000.0	70	130
ICSA3	1	PASS	238000.000	238100.000	237800.000	0.10	238000	95.0	250000	80	120
ICSAB3	1	PASS	236800.000	236800.000	236800.000	0.00	237000	95.0	250000	80	120
CCV4	1	PASS	29660.000	29610.000	29720.000	0.26	29660.00	98.0	30200.0	90	110
CCB4	1	PASS	-13.090	-7.297	-18.880	62.59	-13.090				+/-5000.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.629	-1.288	2.547	431.00	0.629				+/-5000.00
LCSW050710C	1	PASS	44300.000	44400.000	44190.000	0.34	44300.00	89.0	50000.0	80.0	120.0
828421	1	PASS	8174.000	8103.000	8244.000	1.22	8170				
828421LX5	1	PASS	1634.000	1643.000	1625.000	0.79	1630				
828422	1	PASS	7575.000	7600.000	7550.000	0.46	7580				
828425	1	PASS	4267.000	4283.000	4251.000	0.53	4270				
828426	1	PASS	8430.000	8440.000	8421.000	0.16	8430				
828427	1	PASS	8617.000	8645.000	8589.000	0.46	8620				
827706	1	PASS	7155.000	7212.000	7098.000	1.13	7160				
827708	1	PASS	13770.000	13750.000	13790.000	0.19	13800				
827711	1	PASS	4252.000	4289.000	4216.000	1.22	4250				
827712	1	PASS	-37.410	-9.276	-65.540	106.40	-37.4				
827713	1	PASS	-34.220	-33.530	-34.910	2.85	-34.2				
827715	1	PASS	2765.000	2763.000	2767.000	0.11	2760				
827717	1	PASS	2708.000	2700.000	2716.000	0.40	2710				
827717LX5	1	PASS	563.600	581.500	545.800	4.47	564				
827717A	1	PASS	13060.000	12980.000	13150.000	0.94	13060.00				
827717MS	1	PASS	3002.000	3009.000	2995.000	0.34	3002.0000				
827717DP	1	PASS	2950.000	2866.000	3034.000	4.02	2950.0000				
827718	1	PASS	604.300	602.600	606.000	0.39	604				
828423	1	PASS	1.495	3.882	-0.892	225.80	1.5				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.000	0.000	0.000	221.80	0.000				
STD4	1		24.450	0.000	0.000	0.10	24.5				
ICV1	1	PASS	481.600	480.800	482.300	0.22	481.60	96.0	500.0	90	110
ICB1	1	PASS	0.211	0.214	0.208	1.91	0.211				+/-15.00
CRI1	1	PASS	15.280	15.310	15.250	0.27	15.28	102.0	15.0	70	130
ICSA1	1	FAIL	-2.074	-2.042	-2.106	2.17	-2.1				0
ICSAB1	1	PASS	475.400	475.400	475.400	0.00	475	95.0	500	80	120
CCV1	1	PASS	189.600	189.100	190.000	0.36	189.60	95.0	200.0	90	110
CCB1	1	PASS	0.047	0.070	0.024	69.90	0.047				+/-15.00
CCV2	1	PASS	188.800	189.100	188.500	0.21	188.80	94.0	200.0	90	110
CCB2	1	PASS	0.012	-0.036	0.060	562.80	0.012				+/-15.00
CRI2	1	PASS	15.190	15.110	15.270	0.74	15.19	101.0	15.0	70	130
ICSA2	1	FAIL	-2.117	-2.093	-2.140	1.58	-2.1				0
ICSAB2	1	PASS	474.500	474.500	474.400	0.00	474	95.0	500	80	120
CCV3	1	PASS	188.900	188.900	188.900	0.01	188.90	94.0	200.0	90	110
CCB3	1	PASS	0.013	0.029	-0.003	174.90	0.013				+/-15.00
CRI3	1	PASS	15.200	15.220	15.180	0.20	15.20	101.0	15.0	70	130
ICSA3	1	FAIL	-2.138	-2.089	-2.187	3.26	-2.1				0
ICSAB3	1	PASS	474.100	474.000	474.100	0.01	474	95.0	500	80	120
CCV4	1	PASS	188.900	189.300	188.600	0.26	188.90	94.0	200.0	90	110
CCB4	1	PASS	0.159	0.136	0.182	20.62	0.159				+/-15.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.154	0.139	0.169	13.59	0.154				+/-15.00
LCSW050710C	1	PASS	446.000	446.200	445.800	0.05	446.00	89.0	500.0	80.0	120.0
828421	1	PASS	855.100	856.100	854.100	0.17	855				
828421LX5	1	PASS	175.600	175.600	175.500	0.07	176				
828422	1	PASS	256.400	256.500	256.300	0.04	256				
828425	1	PASS	802.700	801.300	804.100	0.25	803				
828426	1	PASS	80.340	80.330	80.340	0.01	80.3				
828427	1	PASS	82.100	82.120	82.080	0.04	82.1				
827706	1	PASS	189.300	189.000	189.600	0.20	189				
827708	1	PASS	119.500	119.800	119.200	0.33	120				
827711	1	PASS	21.600	21.640	21.570	0.24	21.6				
827712	1	PASS	0.150	0.157	0.142	7.17	0.15				
827713	1	PASS	0.124	0.084	0.165	46.32	0.12				
827715	1	PASS	49.560	49.580	49.530	0.07	49.6				
827717	1	PASS	64.270	64.060	64.490	0.48	64.3				
827717LX5	1	PASS	12.960	13.020	12.890	0.72	13.0				
827717A	1	PASS	91.600	91.630	91.570	0.05	91.60	91.0	30.0	75	125
827717MS	1	PASS	592.900	592.600	593.100	0.07	592.9000	106.0	500.00	75	125
827717DP	1	PASS	69.330	69.170	69.490	0.32	69.3300				
827718	1	PASS	2.160	2.217	2.104	3.70	2.2				
828423	1	PASS	0.117	0.080	0.154	44.61	0.12				

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ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.037	0.000	0.000	5.81	-0.037				
STD7	1		6.487	0.000	0.000	0.14	6.5				
ICV1	1	PASS	25290.000	25260.000	25320.000	0.18	25290.00	101.0	25000.0	90	110
ICB1	1	PASS	-9.105	-9.377	-8.833	4.22	-9.105				+/-5000.00
CRI1	1	PASS	5332.000	5323.000	5341.000	0.23	5332.00	107.0	5000.0	70	130
ICSA1	1	FAIL	5.881	26.530	-14.760	496.50	5.9				0
ICSAB1	1	FAIL	2.467	-13.060	17.990	890.20	2.5				0
CCV1	1	PASS	29730.000	29710.000	29750.000	0.11	29730.00	98.0	30200.0	90	110
CCB1	1	PASS	5.702	30.250	-18.850	608.90	5.702				+/-5000.00
CCV2	1	PASS	29690.000	29710.000	29670.000	0.08	29690.00	98.0	30200.0	90	110
CCB2	1	PASS	-15.770	-4.433	-27.110	101.70	-15.770				+/-5000.00
CRI2	1	PASS	5301.000	5308.000	5294.000	0.18	5301.00	106.0	5000.0	70	130
ICSA2	1	FAIL	36.080	26.030	46.130	39.39	36.1				0
ICSAB2	1	FAIL	12.140	40.460	-16.190	330.00	12.I				0
CCV3	1	PASS	29520.000	29470.000	29570.000	0.22	29520.00	98.0	30200.0	90	110
CCB3	1	PASS	-12.780	-35.470	9.901	251.00	-12.780				+/-5000.00
CRI3	1	PASS	5312.000	5302.000	5323.000	0.29	5312.00	106.0	5000.0	70	130
ICSA3	1	FAIL	22.130	11.020	33.250	71.03	22.1				0
ICSAB3	1	FAIL	1.790	13.790	-10.210	948.20	1.8				0
CCV4	1	PASS	29550.000	29520.000	29590.000	0.17	29550.00	98.0	30200.0	90	110
CCB4	1	PASS	25.290	42.770	7.816	97.72	25.290				+/-5000.00
Quality Control and Field Samples											
PBW050710C	1	PASS	6.181	-10.870	23.230	390.20	6.181				+/-5000.00
LCSW050710C	1	PASS	44040.000	44020.000	44060.000	0.07	44040.00	88.0	50000.0	80.0	120.0
828421	1	PASS	24920.000	24640.000	25200.000	1.59	24900				
828421LX5	1	PASS	5153.000	5192.000	5115.000	1.06	5150				
828422	1	PASS	37270.000	37150.000	37400.000	0.47	37300				
828425	1	PASS	28870.000	28910.000	28840.000	0.19	28900				
828426	1	PASS	33540.000	33490.000	33580.000	0.19	33500				
828427	1	PASS	34550.000	34570.000	34530.000	0.07	34600				
827706	1	PASS	9406.000	9388.000	9425.000	0.28	9410				
827708	1	PASS	15970.000	15960.000	15970.000	0.02	16000				
827711	1	PASS	5901.000	5909.000	5893.000	0.19	5900				
827712	1	PASS	13.120	5.831	20.420	78.58	13.1				
827713	1	PASS	-6.133	-18.940	6.678	295.40	-6.1				
827715	1	PASS	2524.000	2520.000	2529.000	0.25	2520				
827717	1	PASS	2387.000	2411.000	2363.000	1.41	2390				
827717LX5	1	PASS	429.500	433.500	425.600	1.29	430				
827717A	1	PASS	12740.000	12710.000	12760.000	0.27	12740.00				
827717MS	1	PASS	2556.000	2553.000	2558.000	0.13	2556.0000				
827717DP	1	PASS	2482.000	2483.000	2482.000	0.03	2482.0000				
827718	1	PASS	2758.000	2774.000	2742.000	0.83	2760				
828423	1	PASS	-34.940	-16.160	-53.710	76.02	-34.9				

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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.004	0.000	0.000	5.35	0.004				
STD4	1		0.587	0.000	0.000	0.16	0.59				
ICV1	1	PASS	473.700	473.300	474.200	0.14	473.70	95.0	500.0	90	110
ICB1	1	PASS	-0.142	-0.221	-0.064	78.26	-0.143				+/-40.00
CRI1	1	PASS	41.440	41.190	41.680	0.84	41.44	104.0	40.0	70	130
ICSA1	1	FAIL	-3.865	-4.426	-3.304	20.52	-3.9				0
ICSAB1	1	PASS	908.900	908.900	908.900	0.00	909	91.0	1000	80	120
CCV1	1	PASS	187.400	187.600	187.300	0.14	187.40	94.0	200.0	90	110
CCB1	1	PASS	-0.099	0.236	-0.433	478.80	-0.099				+/-40.00
CCV2	1	PASS	187.500	187.300	187.600	0.11	187.50	94.0	200.0	90	110
CCB2	1	PASS	0.627	0.789	0.465	36.53	0.627				+/-40.00
CRI2	1	PASS	40.960	41.270	40.640	1.09	40.96	102.0	40.0	70	130
ICSA2	1	FAIL	-3.016	-3.022	-3.010	0.29	-3.0				0
ICSAB2	1	PASS	907.000	907.500	906.600	0.07	907	91.0	1000	80	120
CCV3	1	PASS	186.500	187.200	185.800	0.51	186.50	93.0	200.0	90	110
CCB3	1	PASS	1.192	1.538	0.846	41.02	1.192				+/-40.00
CRI3	1	PASS	40.330	40.090	40.580	0.86	40.33	101.0	40.0	70	130
ICSA3	1	FAIL	-2.921	-3.030	-2.811	5.30	-2.9				0
ICSAB3	1	PASS	908.800	908.900	908.600	0.02	909	91.0	1000	80	120
CCV4	1	PASS	187.300	185.400	189.200	1.40	187.30	94.0	200.0	90	110
CCB4	1	PASS	0.209	-0.006	0.425	145.50	0.209				+/-40.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.191	0.222	0.160	23.19	0.191				+/-40.00
LCSW050710C	1	PASS	435.300	435.500	435.200	0.06	435.30	87.0	500.0	80.0	120.0
828421	1	PASS	328.800	328.100	329.600	0.31	329				
828421LX5	1	PASS	68.790	68.810	68.780	0.03	68.8				
828422	1	PASS	118.400	118.600	118.200	0.25	118				
828425	1	PASS	225.500	225.300	225.600	0.11	226				
828426	1	PASS	113.800	114.100	113.400	0.38	114				
828427	1	PASS	118.700	119.100	118.400	0.44	119				
827706	1	PASS	0.258	-0.314	0.830	313.20	0.26				
827708	1	PASS	0.696	0.855	0.537	32.25	0.70				
827711	1	PASS	5.861	5.864	5.857	0.08	5.9				
827712	1	PASS	0.993	0.784	1.203	29.88	0.99				
827713	1	PASS	0.389	0.343	0.436	16.82	0.39				
827715	1	PASS	3.695	3.917	3.472	8.52	3.7				
827717	1	PASS	3.358	3.169	3.547	7.96	3.4				
827717LX5	1	PASS	0.562	0.185	0.939	94.82	0.56				
827717A	1	PASS	81.950	81.900	82.000	0.08	81.95	98.0	80.0	75	125
827717MS	1	PASS	517.000	517.100	517.000	0.01	517.0000	103.0	500.00	75	125
827717DP	1	PASS	4.395	4.386	4.403	0.27	4.3950				
827718	1	PASS	18.220	17.180	19.260	8.10	18.2				
828423	1	PASS	0.496	0.273	0.720	63.69	0.50				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.013	0.000	0.000	39.41	-0.013				
STD8	1		2.785	0.000	0.000	0.14	2.8				
ICV1	1	PASS	1023.000	1021.000	1025.000	0.30	1023.00	102.0	1000.0	90	110
ICB1	1	PASS	2.134	3.904	0.365	117.30	2.134				+/-10.00
CRI1	1	PASS	11.520	11.630	11.410	1.39	11.52	115.0	10.0	50	150
ICSA1	1	FAIL	2.630	1.946	3.313	36.76	2.6				0
ICSAB1	1	PASS	56.350	54.340	58.370	5.05	56.4	113.0	50	80	120
CCV1	1	PASS	401.400	402.000	400.800	0.21	401.40	100.0	400.0	90	110
CCB1	1	PASS	1.212	1.942	0.482	85.21	1.212				+/-10.00
CCV2	1	PASS	407.400	408.000	406.800	0.21	407.40	102.0	400.0	90	110
CCB2	1	PASS	1.406	2.539	0.273	114.00	1.406				+/-10.00
CRI2	1	PASS	9.861	9.648	10.070	3.05	9.86	99.0	10.0	50	150
ICSA2	1	FAIL	2.923	4.553	1.293	78.88	2.9				0
ICSAB2	1	PASS	55.830	53.560	58.100	5.75	55.8	112.0	50	80	120
CCV3	1	PASS	405.800	404.300	407.300	0.52	405.80	101.0	400.0	90	110
CCB3	1	PASS	3.077	1.780	4.374	59.63	3.077				+/-10.00
CRI3	1	PASS	10.780	9.875	11.690	11.88	10.78	108.0	10.0	50	150
ICSA3	1	FAIL	4.436	3.825	5.047	19.48	4.4				0
ICSAB3	1	PASS	55.590	56.700	54.480	2.83	55.6	111.0	50	80	120
CCV4	1	PASS	407.000	402.600	411.500	1.55	407.00	102.0	400.0	90	110
CCB4	1	PASS	2.512	3.278	1.747	43.08	2.512				+/-10.00
Quality Control and Field Samples											
PBW050710C	1	PASS	1.191	1.303	1.079	13.32	1.191				+/-10.00
LCSW050710C	1	PASS	980.400	975.000	985.700	0.77	980.40	97.0	1015.0	80.0	120.0
828421	1	PASS	2.730	1.671	3.789	54.85	2.7				
828421LX5	1	PASS	1.571	-0.270	3.412	165.70	1.6				
828422	1	PASS	2.886	4.496	1.276	78.90	2.9				
828425	1	PASS	1.650	0.006	3.294	140.90	1.6				
828426	1	PASS	1.683	0.648	2.717	86.98	1.7				
828427	1	PASS	0.336	-0.058	0.729	165.90	0.34				
827706	1	PASS	3.409	4.444	2.374	42.93	3.4				
827708	1	PASS	2.416	3.601	1.232	69.35	2.4				
827711	1	PASS	1.992	1.690	2.294	21.46	2.0				
827712	1	PASS	0.261	1.231	-0.709	525.20	0.26				
827713	1	PASS	1.651	-0.424	3.725	177.70	1.7				
827715	1	PASS	4.531	4.313	4.749	6.80	4.5				
827717	1	PASS	4.918	6.006	3.830	31.30	4.9				
827717LX5	1	PASS	1.538	1.361	1.716	16.34	1.5				
827717A	1	PASS	23.500	22.940	24.060	3.35	23.50	93.0	20.0	75	125
827717MS	1	PASS	27.730	26.700	28.760	5.26	27.7300	114.0	20.00	75	125
827717DP	1	PASS	3.384	0.820	5.948	107.10	3.3840				
827718	1	PASS	3.946	5.022	2.870	38.56	3.9				
828423	1	PASS	1.423	2.184	0.661	75.70	1.4				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.000	0.000	0.000	130.30	0.000				
STD8	1		0.077	0.000	0.000	0.35	0.077				
ICV1	1	PASS	254.800	255.800	253.700	0.56	254.80	102.0	250.0	90	110
ICB1	1	PASS	1.414	0.654	2.175	76.05	1.414				+/-60.00
CRI1	1	PASS	62.220	62.360	62.090	0.30	62.22	104.0	60.0	50	150
ICSA1	1	FAIL	-4.684	-3.539	-5.829	34.58	-4.7				0
ICSAB1	1	PASS	598.400	597.600	599.100	0.17	598	100.0	600	80	120
CCV1	1	PASS	294.400	294.100	294.700	0.15	294.40	98.0	300.0	90	110
CCB1	1	PASS	0.543	0.471	0.616	18.83	0.543				+/-60.00
CCV2	1	PASS	294.200	294.400	293.900	0.12	294.20	98.0	300.0	90	110
CCB2	1	PASS	-1.367	-1.558	-1.176	19.73	-1.367				+/-60.00
CRI2	1	PASS	62.670	62.400	62.940	0.61	62.67	104.0	60.0	50	150
ICSA2	1	FAIL	-1.474	-3.263	0.314	171.60	-1.5				0
ICSAB2	1	PASS	592.500	591.800	593.200	0.17	592	99.0	600	80	120
CCV3	1	PASS	293.700	293.100	294.200	0.26	293.70	98.0	300.0	90	110
CCB3	1	PASS	0.084	0.200	-0.032	194.30	0.084				+/-60.00
CRI3	1	PASS	60.690	59.630	61.740	2.46	60.69	101.0	60.0	50	150
ICSA3	1	FAIL	-3.730	-6.137	-1.323	91.27	-3.7				0
ICSAB3	1	PASS	593.600	596.000	591.100	0.58	594	99.0	600	80	120
CCV4	1	PASS	293.700	294.500	293.000	0.36	293.70	98.0	300.0	90	110
CCB4	1	PASS	0.798	1.069	0.527	48.01	0.798				+/-60.00
Quality Control and Field Samples											
PBW050710C	1	PASS	-0.692	-1.871	0.486	240.80	-0.692				+/-60.00
LCSW050710C	1	PASS	1880.000	1884.000	1876.000	0.30	1880.00	94.0	2000.0	80.0	120.0
828421	1	PASS	0.271	0.584	-0.041	163.00	0.27				
828421LX5	1	PASS	-1.251	-1.066	-1.436	20.93	-1.3				
828422	1	PASS	1.193	1.490	0.896	35.25	1.2				
828425	1	PASS	0.365	1.456	-0.726	422.90	0.36				
828426	1	PASS	0.428	0.627	0.229	65.66	0.43				
828427	1	PASS	-0.751	-2.455	0.953	320.90	-0.75				
827706	1	PASS	-2.345	-5.163	0.473	170.00	-2.3				
827708	1	PASS	0.214	1.622	-1.194	929.90	0.21				
827711	1	PASS	-1.612	-2.043	-1.181	37.81	-1.6				
827712	1	PASS	-0.967	-0.976	-0.959	1.26	-0.97				
827713	1	PASS	0.587	2.066	-0.892	356.40	0.59				
827715	1	PASS	0.998	2.491	-0.495	211.50	1.00				
827717	1	PASS	-1.789	-2.251	-1.327	36.50	-1.8				
827717LX5	1	PASS	0.703	0.235	1.172	94.27	0.70				
827717A	1	PASS	118.400	117.100	119.700	1.53	118.40	99.0	120.0	75	125
827717MS	1	PASS	103.700	104.400	103.000	0.97	103.7000	104.0	100.00	75	125
827717DP	1	PASS	-3.242	-2.757	-3.728	21.17	-3.2420				
827718	1	PASS	0.361	-0.877	1.599	485.50	0.36				
828423	1	PASS	0.906	-0.219	2.031	175.60	0.91				

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Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.002	0.000	0.000	6.28	0.002				
STD8	1		0.047	0.000	0.000	0.50	0.047				
ICV1	1	PASS	256.700	254.900	258.500	0.97	256.70	103.0	250.0	90	110
ICB1	1	PASS	1.109	2.173	0.045	135.70	1.109				+/-35.00
CRI1	1	PASS	35.440	35.690	35.190	0.99	35.44	101.0	35.0	70	130
ICSA1	1	FAIL	0.619	-0.756	1.995	314.10	0.62				0
ICSAB1	1	PASS	47.660	48.640	46.680	2.90	47.7	95.0	50	80	120
CCV1	1	PASS	97.050	96.560	97.540	0.71	97.05	97.0	100.0	90	110
CCB1	1	PASS	0.025	1.844	-1.793	10110.00	0.025				+/-35.00
CCV2	1	PASS	99.860	98.200	101.500	2.36	99.86	100.0	100.0	90	110
CCB2	1	PASS	1.049	3.410	-1.312	318.30	1.049				+/-35.00
CRI2	1	PASS	36.560	36.630	36.480	0.29	36.56	104.0	35.0	70	130
ICSA2	1	FAIL	-4.191	-4.808	-3.573	20.84	-4.2				0
ICSAB2	1	PASS	47.370	52.920	41.810	16.58	47.4	95.0	50	80	120
CCV3	1	PASS	99.540	98.910	100.200	0.90	99.54	100.0	100.0	90	110
CCB3	1	PASS	0.219	-2.277	2.715	1612.00	0.219				+/-35.00
CRI3	1	PASS	38.600	40.830	36.370	8.17	38.60	110.0	35.0	70	130
ICSA3	1	FAIL	-0.786	-4.701	3.128	703.90	-0.79				0
ICSAB3	1	PASS	55.040	54.110	55.970	2.39	55.0	110.0	50	80	120
CCV4	1	PASS	97.830	101.100	94.540	4.76	97.83	98.0	100.0	90	110
CCB4	1	PASS	4.092	6.207	1.978	73.08	4.092				+/-35.00
Quality Control and Field Samples											
PBW050710C	1	PASS	1.053	0.234	1.871	110.00	1.053				+/-35.00
LCSW050710C	1	PASS	502.500	500.600	504.400	0.53	502.50	96.0	525.0	80.0	120.0
828421	1	PASS	-0.685	2.153	-3.523	585.70	-0.69				
828421LX5	1	PASS	-2.029	-0.103	-3.954	134.30	-2.0				
828422	1	PASS	-1.543	-1.904	-1.181	33.14	-1.5				
828425	1	PASS	-0.566	-0.786	-0.345	55.09	-0.57				
828426	1	PASS	-2.719	-2.918	-2.520	10.34	-2.7				
828427	1	PASS	-0.354	-0.084	-0.624	107.90	-0.35				
827706	1	PASS	0.026	-0.391	0.443	2260.00	0.026				
827708	1	PASS	-2.366	-4.561	-0.170	131.20	-2.4				
827711	1	PASS	-0.651	-1.394	0.091	161.20	-0.65				
827712	1	PASS	-2.119	-3.764	-0.474	109.80	-2.1				
827713	1	PASS	-1.336	0.846	-3.517	231.00	-1.3				
827715	1	PASS	-2.433	-1.735	-3.130	40.53	-2.4				
827717	1	PASS	-1.188	-0.331	-2.045	102.10	-1.2				
827717LX5	1	PASS	0.201	-0.040	0.442	169.70	0.20				
827717A	1	PASS	75.870	74.780	76.950	2.02	75.87	108.0	70.0	75	125
827717MS	1	PASS	54.750	54.410	55.080	0.86	54.7500	110.0	50.00	75	125
827717DP	1	PASS	-0.261	-0.889	0.367	340.00	-0.2613				
827718	1	PASS	-0.002	-1.453	1.449	85580.00	-0.002				
828423	1	PASS	-1.353	-1.857	-0.849	52.66	-1.4				

Analytical Review Report
Data File: 051010-03.txt

Date Printed: 5/11/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.004	0.000	0.000	15.31	-0.004				
STD8	1		0.973	0.000	0.000	0.27	0.97				
ICV1	1	PASS	252.600	252.400	252.900	0.16	252.60	101.0	250.0	90	110
ICB1	1	PASS	0.250	0.299	0.200	28.15	0.250				+/-25.00
CRI1	1	PASS	26.110	25.090	27.130	5.52	26.11	104.0	25.0	50	150
ICSA1	1	FAIL	1.367	2.438	0.296	110.80	1.4				0
ICSAB1	1	PASS	101.100	101.900	100.400	1.06	101	101.0	100	80	120
CCV1	1	PASS	101.900	103.300	100.500	1.92	101.90	102.0	100.0	90	110
CCB1	1	PASS	-0.441	-0.188	-0.694	81.16	-0.441				+/-25.00
CCV2	1	PASS	102.700	103.800	101.500	1.60	102.70	103.0	100.0	90	110
CCB2	1	PASS	-1.272	-2.419	-0.126	127.40	-1.272				+/-25.00
CRI2	1	PASS	25.700	26.090	25.310	2.16	25.70	103.0	25.0	50	150
ICSA2	1	FAIL	3.028	1.553	4.503	68.88	3.0				0
ICSAB2	1	PASS	101.800	103.100	100.500	1.78	102	102.0	100	80	120
CCV3	1	PASS	103.900	103.400	104.300	0.59	103.90	104.0	100.0	90	110
CCB3	1	PASS	0.384	1.911	-1.142	561.50	0.384				+/-25.00
CRI3	1	PASS	24.740	24.070	25.410	3.81	24.74	99.0	25.0	50	150
ICSA3	1	FAIL	2.492	2.205	2.778	16.26	2.5				0
ICSAB3	1	PASS	104.700	104.400	105.000	0.41	105	105.0	100	80	120
CCV4	1	PASS	102.100	99.840	104.400	3.15	102.10	102.0	100.0	90	110
CCB4	1	PASS	-1.091	-0.165	-2.016	120.10	-1.091				+/-25.00
Quality Control and Field Samples											
PBW050710C	1	PASS	-0.465	-0.208	-0.722	78.19	-0.465				+/-25.00
LCSW050710C	1	PASS	518.500	516.300	520.800	0.62	518.50	94.0	550.0	80.0	120.0
828421	1	PASS	1.236	1.913	0.559	77.46	1.2				
828421LX5	1	PASS	0.094	0.133	0.054	59.28	0.094				
828422	1	PASS	0.765	0.883	0.647	21.77	0.77				
828425	1	PASS	0.793	0.064	1.523	130.10	0.79				
828426	1	PASS	1.413	1.771	1.055	35.87	1.4				
828427	1	PASS	0.441	0.720	0.161	89.62	0.44				
827706	1	PASS	1.036	0.031	2.041	137.20	1.0				
827708	1	PASS	-0.130	2.077	-2.337	2397.00	-0.13				
827711	1	PASS	0.762	1.054	0.471	54.10	0.76				
827712	1	PASS	-0.698	-0.603	-0.793	19.29	-0.70				
827713	1	PASS	-0.212	-0.104	-0.319	72.09	-0.21				
827715	1	PASS	1.251	0.836	1.667	46.97	1.3				
827717	1	PASS	0.364	0.929	-0.201	219.60	0.36				
827717LX5	1	PASS	-0.196	0.217	-0.609	297.90	-0.20				
827717A	1	PASS	50.400	49.950	50.850	1.27	50.40	101.0	50.0	75	125
827717MS	1	PASS	55.800	57.280	54.330	3.75	55.8000	112.0	50.00	75	125
827717DP	1	PASS	1.276	2.220	0.332	104.60	1.2760				
827718	1	PASS	1.075	1.943	0.207	114.20	1.1				
828423	1	PASS	0.451	1.505	-0.602	329.90	0.45				

Analytical Review Report
Data File: 051010-03.txt

Date Printed: 5/11/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.001	0.000	0.000	55.34	-0.001				
STD4	1		3.319	0.000	0.000	0.16	3.3				
ICV1	1	PASS	506.400	507.600	505.200	0.34	506.40	101.0	500.0	90	110
ICB1	1	PASS	0.371	-0.013	0.755	146.40	0.371				+/-50.00
CRI1	1	PASS	51.590	51.690	51.490	0.28	51.59	103.0	50.0	70	130
ICSA1	1	FAIL	-2.642	-2.657	-2.628	0.77	-2.6				0
ICSAB1	1	PASS	498.300	499.500	497.100	0.33	498	100.0	500	80	120
CCV1	1	PASS	198.500	198.600	198.300	0.12	198.50	99.0	200.0	90	110
CCB1	1	PASS	-0.185	-0.486	0.117	230.80	-0.185				+/-50.00
CCV2	1	PASS	196.400	196.100	196.700	0.20	196.40	98.0	200.0	90	110
CCB2	1	PASS	-0.026	0.335	-0.387	1950.00	-0.026				+/-50.00
CRI2	1	PASS	50.390	50.630	50.140	0.69	50.39	101.0	50.0	70	130
ICSA2	1	FAIL	-3.158	-2.932	-3.385	10.15	-3.2				0
ICSAB2	1	PASS	490.400	490.100	490.800	0.11	490	98.0	500	80	120
CCV3	1	PASS	196.300	196.500	196.200	0.09	196.30	98.0	200.0	90	110
CCB3	1	PASS	0.208	-0.187	0.603	268.70	0.208				+/-50.00
CRI3	1	PASS	50.660	50.750	50.570	0.26	50.66	101.0	50.0	70	130
ICSA3	1	FAIL	-2.878	-2.492	-3.264	18.98	-2.9				0
ICSAB3	1	PASS	489.800	489.700	489.900	0.02	490	98.0	500	80	120
CCV4	1	PASS	194.400	194.400	194.500	0.04	194.40	97.0	200.0	90	110
CCB4	1	PASS	0.576	0.468	0.684	26.54	0.576				+/-50.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.148	-0.446	0.741	568.10	0.148				+/-50.00
LCSW050710C	1	PASS	475.300	475.400	475.100	0.04	475.30	95.0	500.0	80.0	120.0
828421	1	PASS	0.280	0.221	0.340	30.13	0.28				
828421LX5	1	PASS	0.526	-0.262	1.314	212.00	0.53				
828422	1	PASS	1.408	1.121	1.694	28.81	1.4				
828425	1	PASS	2.780	2.518	3.041	13.28	2.8				
828426	1	PASS	1.214	2.192	0.235	114.00	1.2				
828427	1	PASS	1.167	1.400	0.935	28.17	1.2				
827706	1	PASS	0.180	-0.282	0.641	363.30	0.18				
827708	1	PASS	0.483	0.647	0.319	48.06	0.48				
827711	1	PASS	11.050	11.480	10.610	5.57	11.1				
827712	1	PASS	1.082	1.545	0.618	60.60	1.1				
827713	1	PASS	1.139	0.987	1.291	18.87	1.1				
827715	1	PASS	9.370	9.708	9.033	5.10	9.4				
827717	1	PASS	10.160	10.210	10.120	0.60	10.2				
827717LX5	1	PASS	2.534	2.319	2.749	11.99	2.5				
827717A	1	PASS	110.600	110.600	110.700	0.08	110.60	100.0	100.0	75	125
827717MS	1	PASS	531.500	531.500	531.600	0.02	531.5000	104.0	500.00	75	125
827717DP	1	PASS	12.460	11.960	12.950	5.65	12.4600				
827718	1	PASS	0.068	0.056	0.081	26.13	0.068				
828423	1	PASS	0.594	0.160	1.027	103.30	0.59				

Analytical Review Report
Data File: 051010-03.txt

Date Printed: 5/11/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/10/2010 Start Time: 17:02:4
Analysis End Date: 5/10/2010 End Time: 19:50:1

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		0.002	0.000	0.000	6.66	0.003				
STD4	1		3.267	0.000	0.000	0.12	3.3				
ICV1	1	PASS	503.600	503.200	504.000	0.11	503.60	101.0	500.0	90	110
ICB1	1	PASS	0.315	0.380	0.251	28.85	0.315				+/-60.00
CRI1	1	PASS	62.470	62.440	62.500	0.06	62.47	104.0	60.0	70	130
ICSA1	1	FAIL	0.069	0.016	0.121	107.90	0.069				0
ICSAB1	1	PASS	981.700	981.900	981.500	0.03	982	98.0	1000	80	120
CCV1	1	PASS	197.000	197.200	196.800	0.15	197.00	98.0	200.0	90	110
CCB1	1	PASS	-0.016	0.124	-0.157	1227.00	-0.016				+/-60.00
CCV2	1	PASS	196.400	196.400	196.500	0.03	196.40	98.0	200.0	90	110
CCB2	1	PASS	0.034	-0.065	0.133	414.00	0.034				+/-60.00
CRI2	1	PASS	61.750	61.740	61.760	0.02	61.75	103.0	60.0	70	130
ICSA2	1	FAIL	-0.326	-0.276	-0.377	21.81	-0.33				0
ICSAB2	1	PASS	970.600	969.700	971.500	0.13	971	97.0	1000	80	120
CCV3	1	PASS	195.900	195.800	196.000	0.07	195.90	98.0	200.0	90	110
CCB3	1	PASS	-0.045	0.027	-0.118	225.60	-0.046				+/-60.00
CRI3	1	PASS	61.820	61.700	61.930	0.26	61.82	103.0	60.0	70	130
ICSA3	1	FAIL	-0.289	-0.411	-0.168	59.49	-0.29				0
ICSAB3	1	PASS	971.700	971.500	972.000	0.04	972	97.0	1000	80	120
CCV4	1	PASS	195.800	195.600	196.100	0.18	195.80	98.0	200.0	90	110
CCB4	1	PASS	0.078	0.157	-0.001	143.90	0.078				+/-60.00
Quality Control and Field Samples											
PBW050710C	1	PASS	0.913	0.905	0.922	1.38	0.913				+/-60.00
LCSW050710C	1	PASS	466.800	466.700	466.800	0.02	466.80	93.0	500.0	80.0	120.0
828421	1	PASS	54.040	54.040	54.040	0.00	54.0				
828421LX5	1	PASS	11.230	11.260	11.210	0.33	11.2				
828422	1	PASS	59.000	58.810	59.200	0.47	59.0				
828425	1	PASS	37.220	37.280	37.160	0.21	37.2				
828426	1	PASS	38.990	38.990	38.990	0.01	39.0				
828427	1	PASS	38.420	38.320	38.530	0.40	38.4				
827706	1	PASS	5.631	5.712	5.550	2.03	5.6				
827708	1	PASS	8.008	8.125	7.891	2.06	8.0				
827711	1	PASS	4.735	4.671	4.799	1.91	4.7				
827712	1	PASS	1.471	1.502	1.440	2.98	1.5				
827713	1	PASS	1.502	1.563	1.440	5.75	1.5				
827715	1	PASS	10.440	10.370	10.500	0.90	10.4				
827717	1	PASS	12.270	12.250	12.290	0.25	12.3				
827717LX5	1	PASS	2.665	2.532	2.799	7.09	2.7				
827717A	1	PASS	134.400	134.300	134.500	0.07	134.40	102.0	120.0	75	125
827717MS	1	PASS	547.800	547.500	548.200	0.10	547.8000	107.0	500.00	75	125
827717DP	1	PASS	12.750	12.750	12.750	0.00	12.7500				
827718	1	PASS	11.410	11.270	11.550	1.72	11.4				
828423	1	PASS	0.462	0.505	0.419	13.26	0.46				

Sample Name: CalibStd-Blk Acquired: 5/10/2010 17:02:46 Type: Cal
Method: 6010B(v45) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0047	-.0013	.0007	.0005	-.0004
Stddev	.0018	.0026	.0000	.0002	.0002
%RSD	38.81	199.5	1.300	38.81	57.72
#1	-.0034	-.0031	.0007	.0004	-.0002
#2	-.0060	.0005	.0007	.0007	-.0005

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0014	-.0002	-.0032	-.0033	-.0003
Stddev	.0008	.0013	.0005	.0005	.0000
%RSD	55.13	566.2	14.63	13.83	2.924
#1	-.0008	.0007	-.0036	-.0030	-.0003
#2	-.0019	-.0012	-.0029	-.0036	-.0003

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0881	-.0053	-.0043	.0003	.0002
Stddev	.0049	.0004	.0048	.0002	.0005
%RSD	5.602	6.623	113.5	72.18	221.8
#1	.0916	-.0051	-.0008	.0005	.0005
#2	.0846	-.0056	-.0077	.0002	-.0001

Sample Name: CalibStd-Blk Acquired: 5/10/2010 17:02:46 Type: Cal
Method: 6010B(v45) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0002	-.0370	.0035	.0000	-.0132
Stddev	.0000	.0022	.0002	.0000	.0052
%RSD	14.26	5.814	5.348	270.3	39.41
#1	-.0002	-.0385	.0034	.0000	-.0168
#2	-.0002	-.0355	.0036	.0000	-.0095

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0016	.0768	.0000	.0183
Stddev	.0002	.0001	.0012	.0000	.0044
%RSD	130.3	6.283	1.576	116.9	24.34
#1	.0003	.0017	.0777	.0001	.0214
#2	.0000	.0016	.0759	.0000	.0151

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0068	-.0041	-.0008	.0025
Stddev	.0046	.0006	.0005	.0002
%RSD	68.34	15.31	55.34	6.662
#1	-.0035	-.0036	-.0012	.0024
#2	-.0100	-.0045	-.0005	.0026

Analyst: JRL

Sample Name: CalibStd-Blk Acquired: 5/10/2010 17:02:46 Type: Cal
Method: 6010B(v45) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	425.34	3835.5	3777.3	4408.2
Stddev	.69	23.8	8.1	38.5
%RSD	.16219	.62153	.21323	.87261
#1	425.82	3852.4	3783.0	4435.4
#2	424.85	3818.6	3771.6	4381.0

Sample Name: STD7 Acquired: 5/10/2010 17:06:40 Type: Cal
Method: 6010B(v45) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al-HL	Ca-HL	Fe-LL2	K-LL	Mg-LL
Line	396.152 { 85}	318.128 {106}	271.441 {124}2	766.490 { 44}	279.079 {121}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.756	.7282	8.309	2.075	.8274
Stddev	.001	.0024	.006	.003	.0011
%RSD	.0176	.3247	.0680	.1247	.1328
#1	2.756	.7299	8.313	2.077	.8281
#2	2.755	.7265	8.305	2.074	.8266

Elem	Na-LL
Line	589.592 { 57}
IS Ref	(Y_HWRD)
Units	Cts/S
Avg	6.487
Stddev	.009
%RSD	.1406
#1	6.481
#2	6.494

Int. Std.	Y_HWAX	Y_HWRD
Line	224.306 {150}	371.030 { 91}
Units	Cts/S	Cts/S
Avg	3713.9	4382.5
Stddev	14.5	6.9
%RSD	.39080	.15687
#1	3703.6	4387.4
#2	3724.2	4377.6

Sample Name: STD8 Acquired: 5/10/2010 17:10:33 Type: Cal
Method: 6010B(v45) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As-LL	Pb-LL	Sb-LL	Se-LL	Sn1899-2
Line	189.042 {479}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}2
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0608	2.785	.0769	.0465	.1744
Stddev	.0002	.004	.0003	.0002	.0003
%RSD	.3121	.1377	.3517	.5036	.1462
#1	.0607	2.783	.0768	.0464	.1746
#2	.0609	2.788	.0771	.0467	.1742

Elem	Tl-LL
Line	190.856 {477}
IS Ref	(In2306)
Units	Cts/S
Avg	.9733
Stddev	.0026
%RSD	.2660
#1	.9714
#2	.9751

Int. Std.	In2306	Y_-LWAX
Line	230.606 {446}	224.306 {450}
Units	Cts/S	Cts/S
Avg	425.54	3760.2
Stddev	.49	4.8
%RSD	.11460	.12857
#1	425.20	3756.8
#2	425.89	3763.6

Sample Name: STD4 Acquired: 5/10/2010 17:14:31 Type: Cal
Method: 6010B(v45) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	B_-LL	Ba-LL	Be-LL	Cd-HL
Line	328.068 {103}2	208.959 {461}	233.527 {144}	313.042 {108}	228.802 {447}
IS Ref	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.399	.3774	.0870	2.401	.9698
Stddev	.001	.0011	.0008	.007	.0009
%RSD	.0238	.2830	.9110	.2813	.0883
#1	2.399	.3766	.0864	2.396	.9704
#2	2.400	.3781	.0876	2.406	.9692

Elem	Co-LL	Cr-LL	Cu-LL	Mn-LL	Mo-LL
Line	228.616 {447}	205.552 {464}	324.754 {104}2	257.610 {131}2	202.030 {467}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.056	1.466	7.119	24.45	.9258
Stddev	.001	.000	.011	.02	.0008
%RSD	.0796	.0209	.1567	.1009	.0822
#1	1.057	1.466	7.127	24.43	.9253
#2	1.056	1.466	7.111	24.47	.9264

Elem	Ni-LL	P_-HL	Si-LL	Sr-LL	Ti-LL
Line	231.604 {445}	178.284 {489}	288.158 {117}	407.771 { 83}	334.904 {101}2
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5871	.0758	4.271	86.23	5.615
Stddev	.0010	.0001	.003	.47	.013
%RSD	.1630	.1838	.0600	.5448	.2261
#1	.5878	.0757	4.273	86.56	5.606
#2	.5865	.0759	4.269	85.89	5.624

Sample Name: STD4 Acquired: 5/10/2010 17:14:31 Type: Cal
Method: 6010B(v45) Mode: IR 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	Cts/S	Cts/S
Avg	3.319	3.267
Stddev	.005	.004
%RSD	.1637	.1226
#1	3.323	3.264
#2	3.315	3.270

Int. Std.	Y_HWAX	Y_-LWAX	Y_HWRD
Line	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3803.7	3730.4	4400.6
Stddev	5.7	5.7	33.2
%RSD	.14979	.15169	.75402
#1	3807.7	3734.4	4424.0
#2	3799.7	3726.4	4377.1

Sample Name: ICV Acquired: 5/10/2010 17:18:29 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	492.4	26340.	258.7	498.5	490.4
Stddev	.9	129.	1.7	2.1	3.3
%RSD	.1903	.4894	.6557	.4207	.6761
#1	491.7	26250.	257.5	497.0	488.0
#2	493.1	26430.	259.9	500.0	492.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	509.3	25660.	486.1	484.2	487.1
Stddev	.2	82.	.7	.6	.8
%RSD	.0334	.3210	.1476	.1243	.1628
#1	509.4	25720.	485.6	483.8	486.6
#2	509.2	25600.	486.6	484.6	487.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICV Acquired: 5/10/2010 17:18:29 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	475.2	26000.	25990.	25120.	481.6
Stddev	1.0	53.	78.	26.	1.1
%RSD	.2142	.2028	.3012	.1042	.2186
#1	474.5	25960.	26050.	25100.	480.8
#2	475.9	26030.	25940.	25140.	482.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	514.6	25290.	473.7	515.7	1023.
Stddev	1.7	45.	.7	1.9	3.
%RSD	.3276	.1788	.1387	.3739	.2983
#1	513.4	25260.	473.3	514.3	1021.
#2	515.7	25320.	474.2	517.0	1025.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICV Acquired: 5/10/2010 17:18:29 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	254.8	256.7	262.5	241.4	486.1
Stddev	1.4	2.5	4.7	2.9	5.9
%RSD	.5617	.9672	1.781	1.194	1.205
#1	255.8	254.9	265.8	239.3	482.0
#2	253.7	258.5	259.2	243.4	490.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	{In2306}	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	505.2	252.6	506.4	503.6
Stddev	1.2	.4	1.7	.6
%RSD	.2473	.1579	.3379	.1125
#1	504.3	252.4	507.6	503.2
#2	506.1	252.9	505.2	504.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICV Acquired: 5/10/2010 17:18:29 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	399.95	3748.1	3705.9	4385.4
Stddev	.42	.9	7.0	15.7
%RSD	.10602	.02472	.18921	.35720
#1	399.65	3748.8	3701.0	4396.4
#2	400.24	3747.5	3710.9	4374.3

Sample Name: ICB Acquired: 5/10/2010 17:22:24 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4526	8.126	.2556	1.361	2.187
Stddev	.2988	55.51	.0470	.757	1.400
%RSD	66.01	683.1	18.38	55.66	64.02
#1	-.2414	47.37	.2224	1.896	3.178
#2	-.6639	-31.12	.2888	.8252	1.197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1536	52.35	.1753	.4646	.0744
Stddev	.2023	16.03	.2697	.0460	.2153
%RSD	131.7	30.61	153.9	9.909	289.2
#1	.2967	41.02	-.0154	.4972	.2267
#2	.0106	63.68	.3660	.4320	-.0778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB Acquired: 5/10/2010 17:22:24 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1369	6.153	52.36	-5.054	.2110
Stddev	.3945	7.229	62.82	.879	.0040
%RSD	288.2	117.5	120.0	17.40	1.912
#1	.4159	11.26	7.945	-4.432	.2138
#2	-.1421	1.042	96.78	-5.675	.2081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.406	-9.105	-.1425	-2.952	2.134
Stddev	.131	.385	.1115	.548	2.502
%RSD	9.301	4.223	78.26	18.57	117.3
#1	1.314	-9.377	-.2214	-2.564	3.904
#2	1.499	-8.833	-.0637	-3.339	.3647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB Acquired: 5/10/2010 17:22:24 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.414	1.109	-1.031	.9060	.1021
Stddev	1.075	1.505	3.175	1.048	.0551
%RSD	76.05	135.7	307.8	115.6	53.95
#1	.6538	2.173	1.213	1.647	.1411
#2	2.175	.0448	-3.276	.1652	.0632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	-.6011	.2498	.3710	.3154
Stddev	.1169	.0703	.5433	.0910
%RSD	19.45	28.15	146.4	28.85
#1	-.6838	.2995	-.0131	.3798
#2	-.5184	.2001	.7552	.2511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICB Acquired: 5/10/2010 17:22:24 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	419.73	3794.7	3723.3	4364.3
Stddev	6.46	13.5	32.8	28.2
%RSD	1.5384	.35485	.88078	.64728
#1	424.30	3785.1	3746.5	4384.3
#2	415.17	3804.2	3700.1	4344.3

LCL 253.8 2656.3 2606.3 3055.0
UCL 545.7 4583.1 4840.3 5673.6

Sample Name: CRI Acquired: 5/10/2010 17:26:21 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.196	238.0	7.120	F .6499	201.7
Stddev	.830	21.0	.873	.1688	1.9
%RSD	11.54	8.831	12.27	25.97	.9313
#1	6.608	252.9	6.503	.7693	203.0
#2	7.783	223.2	7.738	.5306	200.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.360	5338.	5.207	50.55	10.09
Stddev	.111	17.	.069	.29	.18
%RSD	2.067	.3222	1.315	.5701	1.761
#1	5.439	5350.	5.159	50.35	9.969
#2	5.282	5325.	5.256	50.75	10.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 5/10/2010 17:26:21 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	24.85	100.6	5497.	5326.	15.28
Stddev	.01	.6	115.	61.	.04
%RSD	.0292	.6417	2.086	1.144	.2711
#1	24.85	100.1	5416.	5369.	15.31
#2	24.84	101.0	5578.	5283.	15.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F .4686	5332.	41.44	F -1.715	11.52
Stddev	.1631	12.	.35	3.942	.16
%RSD	34.80	.2321	.8363	229.9	1.391
#1	.3533	5323.	41.19	1.073	11.63
#2	.5839	5341.	41.68	-4.502	11.41
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	15.00			375.0	
Low Limit	5.000			125.0	

Sample Name: CRI Acquired: 5/10/2010 17:26:21 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	62.22	35.44	F -.2385	F .1527	F .0529
Stddev	.19	.35	3.243	.5408	.0007
%RSD	.2992	.9889	1360.	354.1	1.278
#1	62.36	35.69	-2.532	-.2297	.0534
#2	62.09	35.19	2.055	.5351	.0524
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit			300.0	30.00	30.00
Low Limit			100.0	10.00	10.00

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	F -.0747	26.11	51.59	62.47
Stddev	.4002	1.44	.15	.04
%RSD	536.1	5.518	.2848	.0639
#1	-.3576	25.09	51.69	62.44
#2	.2083	27.13	51.49	62.50
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 5/10/2010 17:26:21 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	422.03	3773.5	3756.0	4364.2
Stddev	.49	50.1	1.7	60.0
%RSD	.11666	1.3273	.04508	1.3744
#1	421.68	3738.1	3757.2	4321.8
#2	422.38	3808.9	3754.8	4406.7

Sample Name: ICSA Acquired: 5/10/2010 17:30:14 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4519	244400.	2.105	1.582	5.004
Stddev	.6957	299.	4.106	2.231	.374
%RSD	153.9	.1225	195.0	141.0	7.479
#1	-.9439	244200.	-.7981	3.160	5.268
#2	.0400	244600.	5.009	.0043	4.739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2362	241600.	1.158	.9418	.0968
Stddev	.0116	345.	.323	.1517	.2440
%RSD	4.890	.1429	27.92	16.11	252.0
#1	.2444	241800.	1.386	1.049	.2693
#2	.2280	241300.	.9291	.8346	-.0757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/10/2010 17:30:14 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1583	95890.	-83.73	238700.	-2.074
Stddev	1.371	211.	25.77	124.	.045
%RSD	866.0	.2197	30.78	.0520	2.174
#1	-.8109	95740.	-65.51	238800.	-2.042
#2	1.127	96030.	-102.0	238600.	-2.106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0248	5.881	-3.865	-5.194	2.630
Stddev	.0474	29.20	.793	1.214	.967
%RSD	191.2	496.5	20.52	23.38	36.76
#1	.0583	26.53	-4.426	-4.336	1.946
#2	-.0087	-14.76	-3.304	-6.053	3.313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/10/2010 17:30:14 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-4.684	.6194	5.570	-.1479	2.313
Stddev	1.620	1.946	3.045	.1280	.018
%RSD	34.58	314.1	54.67	86.54	.7719
#1	-3.539	-.7563	3.417	-.2384	2.300
#2	-5.829	1.995	7.723	-.0574	2.325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	3.111	1.367	-2.642	.0686
Stddev	.202	1.514	.020	.0740
%RSD	6.504	110.8	.7733	107.9
#1	2.967	2.438	-2.657	.0163
#2	3.254	.2962	-2.628	.1210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 5/10/2010 17:30:14 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	368.51	3604.1	3547.9	4324.5
Stddev	.52	8.7	.3	3.0
%RSD	.14085	.24202	.00914	.07011
#1	368.15	3610.2	3547.7	4322.4
#2	368.88	3597.9	3548.2	4326.7

Sample Name: ICSAB Acquired: 5/10/2010 17:34:04 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	200.5	244100.	F 104.4	F -.6215	486.2
Stddev	.0	1400.	2.2	.7324	1.5
%RSD	.0138	.5734	2.086	117.8	.3131
#1	200.5	243100.	105.9	-.1036	485.1
#2	200.5	245100.	102.8	-1.139	487.3
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			240.0	1800.	
Low Limit			160.0	1200.	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	506.5	241300.	972.1	467.3	478.6
Stddev	2.7	1134.	.5	.0	1.0
%RSD	.5354	.4698	.0490	.0026	.2098
#1	504.6	240500.	972.4	467.3	477.9
#2	508.4	242100.	971.7	467.3	479.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 5/10/2010 17:34:04 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	{Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	493.2	F 95700.	16.77	238700.	475.4
Stddev	.7	57.	12.59	863.	.0
%RSD	.1519	.0592	75.06	.3615	.0042
#1	492.7	95740.	7.868	238000.	475.4
#2	493.7	95660.	25.67	239300.	475.4
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		240.0			
Low Limit		160.0			

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -.1166	2.467	908.9	F -2.844	56.35
Stddev	.2340	21.96	.0	1.941	2.85
%RSD	200.7	890.2	.0001	68.25	5.053
#1	-.2820	-13.06	908.9	-4.216	54.34
#2	.0489	17.99	908.9	-1.471	58.37
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	1200.			600.0	
Low Limit	800.0			400.0	

Sample Name: ICSAB Acquired: 5/10/2010 17:34:04 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	598.4	47.66	7.122	-.2649	2.266
Stddev	1.0	1.38	.661	.4950	.005
%RSD	.1733	2.905	9.277	186.9	.2155
#1	597.6	48.64	6.655	.0851	2.270
#2	599.1	46.68	7.589	-.6150	2.263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	496.9	101.1	498.3	981.7
Stddev	.5	1.1	1.7	.3
%RSD	.1053	1.060	.3331	.0291
#1	496.5	101.9	499.5	981.9
#2	497.3	100.4	497.1	981.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 5/10/2010 17:34:04 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	372.29	3608.0	3553.1	4349.4
Stddev	3.52	4.0	13.7	24.4
%RSD	.94462	.11077	.38616	.56099
#1	369.80	3605.2	3543.4	4332.2
#2	374.78	3610.9	3562.8	4366.7

Sample Name: CCV Acquired: 5/10/2010 17:37:54 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	97.33	29790.	101.8	711.6	197.2
Stddev	.56	45.	1.0	1.7	3.3
%RSD	.5794	.1518	.9920	.2441	1.688
#1	97.73	29820.	102.5	710.3	199.5
#2	96.94	29760.	101.0	712.8	194.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	99.16	29610.	97.76	190.4	192.9
Stddev	.11	77.	.12	.9	.3
%RSD	.1145	.2600	.1184	.4908	.1685
#1	99.24	29560.	97.67	191.1	193.1
#2	99.08	29660.	97.84	189.8	192.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/10/2010 17:37:54 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	187.6	29740.	29570.	29680.	189.6
Stddev	.1	13.	13.	187.	.7
%RSD	.0699	.0426	.0444	.6300	.3628
#1	187.7	29740.	29560.	29550.	189.1
#2	187.5	29750.	29580.	29810.	190.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	197.9	29730.	187.4	195.7	401.4
Stddev	.2	32.	.3	.9	.9
%RSD	.1144	.1081	.1449	.4741	.2136
#1	197.7	29710.	187.6	196.3	402.0
#2	198.1	29750.	187.3	195.0	400.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/10/2010 17:37:54 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	294.4	97.05	1008.	194.3	291.9
Stddev	.4	.69	7.	1.4	2.9
%RSD	.1487	.7150	.7316	.7075	.9997
#1	294.1	96.56	1003.	193.4	293.9
#2	294.7	97.54	1013.	195.3	289.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	394.5	101.9	198.5	197.0
Stddev	1.3	2.0	.2	.3
%RSD	.3397	1.916	.1234	.1538
#1	393.5	103.3	198.6	197.2
#2	395.4	100.5	198.3	196.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/10/2010 17:37:54 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	400.34	3761.4	3702.1	4403.8
Stddev	1.43	9.4	1.6	46.8
%RSD	.35826	.25089	.04270	1.0620
#1	399.33	3768.1	3701.0	4370.7
#2	401.36	3754.8	3703.2	4436.8

Sample Name: CCB Acquired: 5/10/2010 17:41:43 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5059	-6.681	-2.028	.7267	2.155
Stddev	.0729	59.71	2.047	.3880	4.209
%RSD	14.42	893.7	100.9	53.40	195.3
#1	-.4543	35.54	-3.475	1.001	-.8216
#2	-.5575	-48.90	-.5806	.4523	5.131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2877	58.98	.0952	.4497	-.1165
Stddev	.3087	141.8	.0496	.4195	.1667
%RSD	107.3	240.4	52.12	93.27	143.2
#1	.5060	159.2	.0601	.1531	-.2344
#2	.0694	-41.28	.1303	.7464	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/10/2010 17:41:43 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2173	-2.715	50.16	-14.20	.0469
Stddev	.3056	9.210	20.79	6.86	.0328
%RSD	140.7	339.2	41.44	48.31	69.90
#1	-.0012	-9.227	35.46	-9.349	.0701
#2	-.4334	3.797	64.86	-19.05	.0237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.7325	5.702	-.0988	-2.542	1.212
Stddev	.0271	34.72	.4732	1.011	1.033
%RSD	3.693	608.9	478.8	39.76	85.21
#1	.7516	30.25	.2358	-3.256	1.942
#2	.7134	-18.85	-.4334	-1.827	.4816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/10/2010 17:41:43 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5434	.0254	-2.776	.2042	.0022
Stddev	.1023	2.572	1.563	.1189	.0178
%RSD	18.83	10110.	56.30	58.23	800.0
#1	.4711	1.844	-3.882	.2883	.0148
#2	.6158	-1.793	-1.671	.1201	-.0104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	-.5862	-.4412	-.1846	-.0162
Stddev	.0053	.3581	.4260	.1990
%RSD	.9106	81.16	230.8	1227.
#1	-.5824	-.1880	-.4858	.1245
#2	-.5899	-.6944	.1167	-.1569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/10/2010 17:41:43 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	427.58	3828.3	3760.8	4402.8
Stddev	.81	21.9	14.1	20.2
%RSD	.19054	.57335	.37383	.45893
#1	428.15	3812.7	3750.9	4417.1
#2	427.00	3843.8	3770.8	4388.5

Sample Name: PBW050710C Acquired: 5/10/2010 17:45:38 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.7871	29.06	.2213	.7938	6.698
Stddev	.3154	18.62	1.378	1.594	4.590
%RSD	40.07	64.06	622.7	200.8	68.53
#1	-.5641	42.22	-.7531	-.3332	9.944
#2	-1.010	15.90	1.196	1.921	3.452
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2693	85.12	.2698	.2024	-.0930
Stddev	.0539	66.79	.0240	.2043	.1092
%RSD	20.02	78.46	8.887	100.9	117.4
#1	.3075	132.4	.2529	.3469	-.1703
#2	.2312	37.90	.2868	.0579	-.0158
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: PBW050710C Acquired: 5/10/2010 17:45:38 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3289	-10.000	-23.81	.6293	.1540
Stddev	.4842	8.487	156.0	2.712	.0209
%RSD	147.2	84.87	654.9	431.0	13.59
#1	.0135	-16.00	86.47	-1.288	.1392
#2	-.6713	-3.999	-134.1	2.547	.1688
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	{Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2434	6.181	.1910	-1.850	1.191
Stddev	.1490	24.12	.0443	.771	.159
%RSD	61.21	390.2	23.19	41.69	13.32
#1	.3487	-10.87	.2224	-1.304	1.303
#2	.1380	23.23	.1597	-2.395	1.079
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: PBW050710C Acquired: 5/10/2010 17:45:38 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.6924	1.053	20.25	.3032	-.0090
Stddev	1.667	1.158	.30	.1723	.0156
%RSD	240.8	110.0	1.505	56.83	173.8
#1	-1.871	.2337	20.04	.1813	-.0200
#2	.4864	1.871	20.47	.4250	.0021
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	-.0127	-.4647	.1477	.9134
Stddev	.4331	.3633	.8392	.0126
%RSD	3423.	78.19	568.1	1.376
#1	-.3189	-.2078	-.4457	.9045
#2	.2936	-.7216	.7411	.9223
Check ?	None	None	None	None
Value				
Range				

Sample Name: PBW050710C Acquired: 5/10/2010 17:45:38 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	429.07	3848.2	3777.7	4416.4
Stddev	.22	3.7	3.0	40.4
%RSD	.05017	.09606	.08043	.91502
#1	428.92	3850.8	3779.9	4387.8
#2	429.22	3845.6	3775.6	4445.0

Sample Name: LCSW050710C Acquired: 5/10/2010 17:49:31 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	459.6	45540.	1025.	461.2	452.0
Stddev	.3	40.	2.	2.1	17.1
%RSD	.0611	.0886	.1848	.4592	3.771
#1	459.8	45570.	1023.	462.7	439.9
#2	459.4	45510.	1026.	459.7	464.0
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	475.3	44750.	476.7	448.0	451.0
Stddev	.4	14.	.6	1.5	1.0
%RSD	.0750	.0313	.1180	.3385	.2206
#1	475.1	44760.	477.1	449.1	451.7
#2	475.6	44740.	476.3	447.0	450.3
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: LCSW050710C Acquired: 5/10/2010 17:49:31 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	444.5	45110.	45490.	44300.	446.0
Stddev	1.6	94.	11.	151.	.2
%RSD	.3591	.2086	.0238	.3418	.0487
#1	445.6	45040.	45480.	44400.	446.2
#2	443.3	45180.	45490.	44190.	445.8
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	954.6	44040.	435.3	972.8	980.4
Stddev	.0	32.	.3	6.3	7.6
%RSD	.0001	.0724	.0578	.6512	.7736
#1	954.6	44020.	435.5	977.3	975.0
#2	954.6	44060.	435.2	968.3	985.7
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: LCSW050710C Acquired: 5/10/2010 17:49:31 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1880.	502.5	1013.	849.1	1353.
Stddev	6.	2.7	4.	2.4	2.
%RSD	.2988	.5307	.4041	.2808	.1636
#1	1884.	500.6	1016.	850.8	1351.
#2	1876.	504.4	1010.	847.4	1355.
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	957.7	518.5	475.3	466.8
Stddev	.1	3.2	.2	.1
%RSD	.0082	.6203	.0402	.0170
#1	957.7	516.3	475.4	466.7
#2	957.6	520.8	475.1	466.8
Check ?	None	None	None	None
Value				
Range				

Sample Name: LCSW050710C Acquired: 5/10/2010 17:49:31 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	389.47	3752.8	3684.4	4390.9
Stddev	2.23	9.6	9.0	7.1
%RSD	.57154	.25503	.24444	.16222
#1	391.04	3759.6	3678.0	4395.9
#2	387.90	3746.1	3690.7	4385.8

Sample Name: 828421 Acquired: 5/10/2010 17:53:23 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.9294	13500.	.7497	68.81	48.19
Stddev	.7707	186.	2.865	.12	.09
%RSD	82.92	1.381	382.1	.1711	.1956
#1	-.3845	13370.	2.775	68.90	48.12
#2	-1.474	13630.	-1.276	68.73	48.26
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.571	18130.	1.471	1.801	19.90
Stddev	.001	222.	.034	.020	.04
%RSD	.0422	1.222	2.311	1.094	.2176
#1	2.571	17970.	1.447	1.787	19.87
#2	2.572	18280.	1.495	1.815	19.93
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828421 Acquired: 5/10/2010 17:53:23 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4797	26.66	12100.	8174.	855.1
Stddev	.1675	4.98	153.	99.	1.4
%RSD	34.91	18.67	1.265	1.215	.1688
#1	.5981	23.14	11990.	8103.	856.1
#2	.3613	30.18	12210.	8244.	854.1
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.357	24920.	328.8	19.27	2.730
Stddev	.364	396.	1.0	1.86	1.497
%RSD	26.86	1.589	.3146	9.666	54.85
#1	1.615	24640.	328.1	17.95	1.671
#2	1.099	25200.	329.6	20.58	3.789
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828421 Acquired: 5/10/2010 17:53:23 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2713	-.6853	12020.	1.525	91.29
Stddev	.4423	4.013	16.	.282	.88
%RSD	163.0	585.7	.1335	18.52	.9665
#1	.5841	2.153	12030.	1.325	90.66
#2	-.0415	-3.523	12000.	1.725	91.91
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.6746	1.236	.2805	54.04
Stddev	.2037	.957	.0845	.00
%RSD	30.20	77.46	30.13	.0026
#1	.5305	1.913	.2208	54.04
#2	.8186	.5591	.3403	54.04
Check ?	None	None	None	None
Value				
Range				

Sample Name: 828421 Acquired: 5/10/2010 17:53:23 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	406.95	3770.4	3709.2	4341.8
Stddev	3.17	11.4	6.1	30.8
%RSD	.77981	.30217	.16378	.70859
#1	404.71	3762.4	3704.9	4363.6
#2	409.20	3778.5	3713.5	4320.1

Sample Name: 828421LX5 Acquired: 5/10/2010 17:57:17 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.1965	2772.	-2.023	13.73	10.97
Stddev	.5343	23.	1.184	.15	7.32
%RSD	271.9	.8315	58.55	1.125	66.75
#1	.1813	2789.	-1.185	13.84	5.793
#2	-.5743	2756.	-2.861	13.62	16.15
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.8326	3717.	.2247	.7740	4.036
Stddev	.0035	16.	.0331	.3891	.012
%RSD	.4191	.4206	14.72	50.27	.2961
#1	.8301	3729.	.2481	.4989	4.027
#2	.8350	3706.	.2013	1.049	4.044
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828421LX5 Acquired: 5/10/2010 17:57:17 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3273	-11.51	2556.	1634.	175.6
Stddev	1.284	.76	50.	13.	.1
%RSD	392.4	6.616	1.972	.7871	.0681
#1	.5809	-12.05	2591.	1643.	175.6
#2	-1.235	-10.97	2520.	1625.	175.5
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5659	5153.	68.79	2.298	1.571
Stddev	.2675	55.	.02	.211	2.604
%RSD	47.26	1.064	.0343	9.193	165.7
#1	.7550	5192.	68.81	2.447	-.2702
#2	.3768	5115.	68.78	2.149	3.412
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828421LX5 Acquired: 5/10/2010 17:57:17 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.251	-2.029	2437.	.6335	18.59
Stddev	.262	2.723	1.	.1114	.12
%RSD	20.93	134.3	.0257	17.58	.6239
#1	-1.066	-.1028	2437.	.7123	18.67
#2	-1.436	-3.954	2438.	.5548	18.51
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.0869	.0939	.5256	11.23
Stddev	.0729	.0557	1.114	.04
%RSD	83.90	59.28	212.0	.3264
#1	.0354	.1333	-.2623	11.26
#2	.1385	.0545	1.314	11.21
Check ?	None	None	None	None
Value				
Range				

Sample Name: 828421LX5 Acquired: 5/10/2010 17:57:17 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	425.75	3845.7	3782.2	4377.8
Stddev	.82	8.6	6.5	37.9
%RSD	.19335	.22389	.17284	.86576
#1	425.17	3839.6	3786.8	4351.0
#2	426.33	3851.7	3777.6	4404.6

Sample Name: 828422 Acquired: 5/10/2010 18:01:12 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1073	1934.	.4400	173.4	51.28
Stddev	.1850	10.	.2125	.8	3.83
%RSD	172.4	.4931	48.29	.4600	7.459
#1	-.0235	1927.	.2897	172.8	53.99
#2	.2381	1940.	.5902	174.0	48.58
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.6972	16470.	.8979	6.837	1.634
Stddev	.0336	78.	.1211	.078	.099
%RSD	4.813	.4737	13.48	1.139	6.041
#1	.6735	16420.	.8123	6.892	1.704
#2	.7209	16530.	.9835	6.782	1.564
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828422 Acquired: 5/10/2010 18:01:12 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.824	704.7	11370.	7575.	256.4
Stddev	.799	2.7	31.	35.	.1
%RSD	10.21	.3872	.2730	.4591	.0378
#1	8.389	702.8	11390.	7600.	256.5
#2	7.259	706.6	11350.	7550.	256.3
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.647	37270.	118.4	631.6	2.886
Stddev	.151	175.	.3	2.9	2.277
%RSD	2.677	.4698	.2475	.4525	78.90
#1	5.540	37150.	118.6	629.5	4.496
#2	5.753	37400.	118.2	633.6	1.276
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828422 Acquired: 5/10/2010 18:01:12 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.193	-1.543	9074.	1.512	91.92
Stddev	.420	.511	1.	.624	.26
%RSD	35.25	33.14	.0165	41.31	.2785
#1	1.490	-1.904	9073.	1.953	91.74
#2	.8956	-1.181	9075.	1.070	92.10
Check ?	None	None	None	None	None
Value					
Range					

Elem	Tl-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	16.60	.7651	1.408	59.00
Stddev	.34	.1666	.406	.27
%RSD	2.061	21.77	28.81	.4660
#1	16.35	.8828	1.121	58.81
#2	16.84	.6473	1.694	59.20
Check ?	None	None	None	None
Value				
Range				

Sample Name: 828422 Acquired: 5/10/2010 18:01:12 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	416.07	3805.0	3747.5	4414.9
Stddev	1.71	9.4	11.0	15.6
%RSD	.41105	.24755	.29339	.35387
#1	414.86	3811.7	3755.2	4425.9
#2	417.28	3798.3	3739.7	4403.8

Sample Name: 828425 Acquired: 5/10/2010 18:05:06 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2006	14260.	.9394	200.5	17.97
Stddev	.5448	26.	.7054	1.5	1.67
%RSD	271.6	.1789	75.09	.7532	9.318
#1	.1847	14280.	.4406	201.6	16.79
#2	-.5859	14240.	1.438	199.4	19.15
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.239	9099.	.9101	.4905	44.77
Stddev	.001	94.	.2047	.0989	.32
%RSD	.0305	1.036	22.49	20.16	.7106
#1	2.239	9033.	.7653	.5604	44.54
#2	2.239	9166.	1.055	.4206	44.99
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828425 Acquired: 5/10/2010 18:05:06 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.089	5.777	41180.	4267.	802.7
Stddev	.484	17.85	72.	23.	2.0
%RSD	44.46	309.1	.1751	.5344	.2475
#1	1.432	18.40	41130.	4283.	801.3
#2	.7469	-6.848	41230.	4251.	804.1
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.542	28870.	225.5	268.5	1.650
Stddev	.277	54.	.2	.7	2.325
%RSD	7.824	.1864	.1064	.2665	140.9
#1	3.738	28910.	225.3	268.0	.0062
#2	3.346	28840.	225.6	269.0	3.294
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828425 Acquired: 5/10/2010 18:05:06 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3649	-.5655	13840.	-.3805	48.65
Stddev	1.543	.3115	17.	.8122	.14
%RSD	422.9	55.09	.1197	213.5	.2971
#1	1.456	-.7858	13830.	.1938	48.75
#2	-.7261	-.3452	13850.	-.9548	48.54
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	2.063	.7932	2.780	37.22
Stddev	.255	1.032	.369	.08
%RSD	12.34	130.1	13.28	.2113
#1	1.883	.0637	2.518	37.28
#2	2.243	1.523	3.041	37.16
Check ?	None	None	None	None
Value				
Range				

Sample Name: 828425 Acquired: 5/10/2010 18:05:06 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	405.00	3763.0	3702.3	4321.3
Stddev	3.26	55.0	27.2	56.9
%RSD	.80476	1.4620	.73592	1.3175
#1	407.30	3801.9	3721.6	4361.6
#2	402.69	3724.1	3683.0	4281.1

Sample Name: 828426 Acquired: 5/10/2010 18:08:59 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2930	9388.	-1.289	66.71	30.57
Stddev	.0647	21.	3.705	.44	.68
%RSD	22.09	.2200	287.4	.6578	2.222
#1	-.2472	9403.	-3.909	67.02	30.09
#2	-.3388	9373.	1.331	66.40	31.05
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.980	17910.	.3660	.2528	36.62
Stddev	.207	14.	.0781	.1317	.24
%RSD	10.45	.0792	21.32	52.10	.6661
#1	1.834	17900.	.4212	.1596	36.79
#2	2.127	17920.	.3108	.3459	36.45
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828426 Acquired: 5/10/2010 18:08:59 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0825	33.45	22320.	8430.	80.34
Stddev	.2654	5.79	38.	14.	.01
%RSD	321.6	17.31	.1687	.1602	.0098
#1	.2702	37.55	22300.	8440.	80.33
#2	-.1051	29.36	22350.	8421.	80.34
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.871	33540.	113.8	116.2	1.683
Stddev	.040	64.	.4	.8	1.463
%RSD	1.038	.1897	.3813	.7255	86.98
#1	3.899	33490.	114.1	115.6	.6478
#2	3.842	33580.	113.4	116.8	2.717
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828426 Acquired: 5/10/2010 18:08:59 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4285	-2.719	10440.	-.7092	88.77
Stddev	.2813	.281	22.	.4984	1.36
%RSD	65.66	10.34	.2131	70.28	1.535
#1	.6274	-2.918	10460.	-.3568	89.73
#2	.2295	-2.520	10420.	-1.062	87.81
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	2.661	1.413	1.214	38.99
Stddev	.291	.507	1.384	.01
%RSD	10.94	35.87	114.0	.0145
#1	2.455	1.771	2.192	38.99
#2	2.867	1.055	.2352	38.99
Check ?	None	None	None	None
Value				
Range				

Sample Name: 828426 Acquired: 5/10/2010 18:08:59 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	408.09	3811.8	3742.7	4420.2
Stddev	.20	3.9	1.7	39.0
%RSD	.04849	.10120	.04452	.88166
#1	407.95	3814.5	3743.8	4392.7
#2	408.23	3809.1	3741.5	4447.8

Sample Name: 828427 Acquired: 5/10/2010 18:12:53 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.1994	9578.	-2.363	69.09	38.34
Stddev	.3895	4.	.864	.15	3.73
%RSD	195.3	.0403	36.58	.2130	9.719
#1	.0760	9575.	-1.751	69.19	35.70
#2	-.4749	9580.	-2.974	68.99	40.97
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.980	18320.	.6871	.5787	37.95
Stddev	.241	64.	.2377	.3548	.21
%RSD	12.15	.3472	34.59	61.31	.5522
#1	2.150	18360.	.8552	.8296	37.81
#2	1.810	18270.	.5191	.3278	38.10
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828427 Acquired: 5/10/2010 18:12:53 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1156	17.04	22870.	8617.	82.10
Stddev	.1670	.66	14.	40.	.03
%RSD	144.4	3.869	.0613	.4585	.0358
#1	-.0025	16.57	22880.	8645.	82.12
#2	.2337	17.51	22860.	8589.	82.08
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.931	34550.	118.7	122.3	.3356
Stddev	.116	24.	.5	.1	.5569
%RSD	2.962	.0686	.4413	.0745	165.9
#1	3.848	34570.	119.1	122.4	-.0582
#2	4.013	34530.	118.4	122.3	.7295
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828427 Acquired: 5/10/2010 18:12:53 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.7511	-.3539	10760.	.5249	91.49
Stddev	2.410	.3817	11.	.2469	.08
%RSD	320.9	107.9	.1011	47.03	.0903
#1	-2.455	-.0840	10750.	.6995	91.43
#2	.9531	-.6238	10770.	.3503	91.55
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	1.532	.4407	1.167	38.42
Stddev	.683	.3949	.329	.16
%RSD	44.58	89.62	28.17	.4038
#1	1.049	.7199	1.400	38.32
#2	2.014	.1614	.9348	38.53
Check ?	None	None	None	None
Value				
Range				

Sample Name: 828427 Acquired: 5/10/2010 18:12:53 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	407.77	3790.3	3729.2	4421.1
Stddev	.80	1.2	11.1	4.6
%RSD	.19681	.03259	.29877	.10411
#1	408.34	3791.2	3721.4	4424.4
#2	407.20	3789.4	3737.1	4417.9

Sample Name: 827706 Acquired: 5/10/2010 18:16:46 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.7800	109.6	.1048	5.203	12.06
Stddev	.4350	40.2	3.215	.074	3.20
%RSD	55.77	36.71	3068.	1.416	26.48
#1	-1.088	138.1	-2.168	5.151	9.805
#2	-.4724	81.16	2.378	5.255	14.32
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1052	15690.	.1497	.0339	.3357
Stddev	.1070	38.	.0661	.1597	.0212
%RSD	101.7	.2427	44.18	470.7	6.317
#1	.0295	15720.	.1964	.1469	.3507
#2	.1808	15670.	.1029	-.0790	.3207
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827706 Acquired: 5/10/2010 18:16:46 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3174	2340.	6914.	7155.	189.3
Stddev	.5365	8.	26.	81.	.4
%RSD	169.0	.3339	.3772	1.125	.2004
#1	.6968	2335.	6932.	7212.	189.0
#2	-.0620	2346.	6896.	7098.	189.6
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.522	9406.	.2581	12.86	3.409
Stddev	.015	26.	.8086	.76	1.463
%RSD	.4123	.2776	313.2	5.946	42.93
#1	3.532	9388.	-.3136	13.40	4.444
#2	3.512	9425.	.8299	12.32	2.374
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827706 Acquired: 5/10/2010 18:16:46 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-2.345	.0261	8964.	.3033	374.1
Stddev	3.985	.5902	2.	.3813	1.3
%RSD	170.0	2260.	.0274	125.7	.3468
#1	-5.163	-.3912	8962.	.0337	373.2
#2	.4731	.4434	8966.	.5730	375.0
Check ?	None	None	None	None	None
Value					
Range					

Elem	Tl-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	5.337	1.036	.1796	5.631
Stddev	.001	1.421	.6523	.114
%RSD	.0220	137.2	363.3	2.033
#1	5.338	.0310	-.2817	5.712
#2	5.336	2.041	.6408	5.550
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827706 Acquired: 5/10/2010 18:16:46 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	417.71	3762.3	3715.4	4373.2
Stddev	4.73	40.0	41.9	31.0
%RSD	1.1332	1.0642	1.1289	.70862
#1	421.06	3790.6	3745.0	4395.1
#2	414.36	3734.0	3685.7	4351.3

Sample Name: 827708 Acquired: 5/10/2010 18:20:47 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4093	337.6	-.9075	4.514	12.53
Stddev	.8054	21.9	1.574	.339	2.74
%RSD	196.8	6.489	173.5	7.503	21.83
#1	.1602	322.1	.2056	4.274	14.47
#2	-.9788	353.1	-2.021	4.753	10.60
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0911	42240.	.0681	.8346	.3123
Stddev	.1897	77.	.3324	.1175	.3154
%RSD	208.1	.1815	487.8	14.08	101.0
#1	-.0430	42290.	.3031	.7515	.0892
#2	.2252	42190.	-.1669	.9177	.5353
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827708 Acquired: 5/10/2010 18:20:47 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.233	702.1	2528.	13770.	119.5
Stddev	.669	3.0	27.	26.	.4
%RSD	20.69	.4232	1.087	.1885	.3335
#1	2.760	700.0	2548.	13750.	119.8
#2	3.705	704.2	2509.	13790.	119.2
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3437	15970.	.6960	43.46	2.416
Stddev	.1964	4.	.2245	.00	1.676
%RSD	57.14	.0228	32.25	.0033	69.35
#1	.4826	15960.	.8548	43.46	3.601
#2	.2048	15970.	.5373	43.46	1.232
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827708 Acquired: 5/10/2010 18:20:47 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2141	-2.366	13390.	.5077	184.1
Stddev	1.991	3.105	52.	.5788	.3
%RSD	929.9	131.2	.3919	114.0	.1373
#1	1.622	-4.561	13430.	.9170	183.9
#2	-1.194	-.1702	13360.	.0985	184.3
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	11.31	-.1302	.4832	8.008
Stddev	.02	3.121	.2322	.165
%RSD	.1624	2397.	48.06	2.063
#1	11.32	2.077	.6474	8.125
#2	11.29	-2.337	.3190	7.891
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827708 Acquired: 5/10/2010 18:20:47 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	403.85	3700.3	3651.5	4285.9
Stddev	2.68	17.3	19.1	2.7
%RSD	.66359	.46785	.52335	.06268
#1	401.95	3688.1	3637.9	4287.8
#2	405.74	3712.6	3665.0	4284.0

Sample Name: CCV Acquired: 5/10/2010 18:24:40 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	96.71	29760.	101.9	714.8	198.7
Stddev	.43	44.	3.5	2.6	.9
%RSD	.4493	.1487	3.458	.3665	.4644
#1	97.01	29730.	99.43	712.9	198.0
#2	96.40	29790.	104.4	716.6	199.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	99.23	29580.	97.68	190.3	191.7
Stddev	.26	126.	.01	.2	.2
%RSD	.2612	.4263	.0116	.0822	.0940
#1	99.41	29670.	97.69	190.2	191.6
#2	99.05	29500.	97.67	190.4	191.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/10/2010 18:24:40 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	186.5	29440.	29740.	29760.	188.8
Stddev	.8	22.	149.	85.	.4
%RSD	.4336	.0737	.5020	.2845	.2124
#1	187.1	29430.	29630.	29700.	189.1
#2	185.9	29460.	29850.	29820.	188.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	198.8	29690.	187.5	197.5	407.4
Stddev	.3	23.	.2	.7	.9
%RSD	.1332	.0776	.1137	.3526	.2114
#1	198.6	29710.	187.3	198.0	408.0
#2	199.0	29670.	187.6	197.0	406.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/10/2010 18:24:40 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	294.2	99.86	996.1	193.0	295.5
Stddev	.3	2.35	2.2	1.6	1.1
%RSD	.1175	2.357	.2239	.8351	.3851
#1	294.4	98.20	997.7	191.9	296.3
#2	293.9	101.5	994.6	194.2	294.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	395.2	102.7	196.4	196.4
Stddev	1.1	1.6	.4	.1
%RSD	.2903	1.603	.2021	.0295
#1	396.0	103.8	196.1	196.4
#2	394.4	101.5	196.7	196.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/10/2010 18:24:40 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	396.17	3770.8	3676.2	4355.1
Stddev	.37	1.4	12.0	8.3
%RSD	.09241	.03726	.32691	.19083
#1	396.43	3771.8	3667.7	4361.0
#2	395.91	3769.8	3684.7	4349.2

Sample Name: CCB Acquired: 5/10/2010 18:28:29 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3684	-8.616	.7701	.6718	1.597
Stddev	.4540	21.14	.2324	1.199	3.524
%RSD	123.2	245.4	30.18	178.5	220.7
#1	-.6894	-23.56	.6058	-.1762	-.8952
#2	-.0475	6.332	.9345	1.520	4.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0976	82.61	.1037	.0710	.1677
Stddev	.1018	47.64	.1115	.4438	.1351
%RSD	104.4	57.68	107.6	624.8	80.53
#1	.0256	48.92	.1826	-.2428	.0722
#2	.1696	116.3	.0248	.3849	.2632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/10/2010 18:28:29 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3142	-15.38	-84.66	1.368	.0120
Stddev	.2394	4.69	30.62	32.58	.0675
%RSD	76.18	30.47	36.17	2382.	562.8
#1	-.4835	-18.69	-106.3	24.41	-.0358
#2	-.1450	-12.07	-63.01	-21.67	.0598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4098	-15.77	.6273	-2.977	1.406
Stddev	.3319	16.03	.2292	1.292	1.602
%RSD	80.97	101.7	36.53	43.41	114.0
#1	.1752	-4.433	.7893	-3.890	2.539
#2	.6445	-27.11	.4652	-2.063	.2729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/10/2010 18:28:29 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.367	1.049	-.1431	.3250	-.0505
Stddev	.270	3.339	.1432	.1481	.0044
%RSD	19.73	318.3	100.1	45.58	8.736
#1	-1.558	3.410	-.2443	.2203	-.0536
#2	-1.176	-1.312	-.0419	.4298	-.0474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	-.0035	-1.272	-.0262	.0339
Stddev	.4626	1.621	.5102	.1405
%RSD	13250.	127.4	1950.	414.0
#1	-.3306	-2.419	.3346	-.0654
#2	.3236	-.1259	-.3870	.1332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/10/2010 18:28:29 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	425.00	3805.8	3735.4	4369.5
Stddev	.05	1.2	2.4	22.4
%RSD	.01206	.03143	.06415	.51178
#1	425.03	3804.9	3733.7	4353.7
#2	424.96	3806.6	3737.1	4385.3

Sample Name: 827711 Acquired: 5/10/2010 18:32:25 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3481	3818.	.0053	3.268	20.24
Stddev	.3749	28.	.1952	.252	2.22
%RSD	107.7	.7247	3692.	7.699	10.95
#1	.6132	3798.	-.1328	3.446	21.80
#2	.0830	3838.	.1433	3.091	18.67
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)2	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.8413	8994.	.2205	1.021	6.315
Stddev	.1883	24.	.0765	.656	.172
%RSD	22.38	.2667	34.71	64.31	2.721
#1	.7082	9011.	.2747	.5565	6.436
#2	.9745	8977.	.1664	1.485	6.193
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827711 Acquired: 5/10/2010 18:32:25 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.297	3469.	1846.	4252.	21.60
Stddev	.009	5.	10.	52.	.05
%RSD	.2825	.1527	.5602	1.216	.2439
#1	3.291	3473.	1853.	4289.	21.64
#2	3.304	3465.	1838.	4216.	21.57
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3049	5901.	5.861	49.17	1.992
Stddev	.0284	11.	.004	1.49	.427
%RSD	9.309	.1917	.0752	3.021	21.46
#1	.3250	5909.	5.864	50.22	1.690
#2	.2848	5893.	5.857	48.12	2.294
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827711 Acquired: 5/10/2010 18:32:25 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.612	-.6513	18810.	.5970	33.33
Stddev	.610	1.050	28.	.6829	.52
%RSD	37.81	161.2	.1487	114.4	1.573
#1	-2.043	-1.394	18830.	.1141	32.96
#2	-1.181	.0910	18800.	1.080	33.70
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	153.6	.7625	11.05	4.735
Stddev	.3	.4126	.61	.090
%RSD	.1741	54.10	5.567	1.912
#1	153.4	1.054	11.48	4.671
#2	153.7	.4708	10.61	4.799
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827711 Acquired: 5/10/2010 18:32:25 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	422.69	3844.8	3772.8	4407.6
Stddev	3.91	29.9	3.0	20.8
%RSD	.92458	.77893	.07852	.47126
#1	425.46	3823.6	3770.7	4422.3
#2	419.93	3866.0	3774.9	4392.9

Sample Name: 827712 Acquired: 5/10/2010 18:36:19 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2141	9.696	-1.246	.3484	3.436
Stddev	.0140	14.88	2.044	1.211	4.477
%RSD	6.521	153.5	164.0	347.6	130.3
#1	.2240	20.22	-2.691	-.5080	.2702
#2	.2042	-.8265	.1989	1.205	6.601
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3881	157.4	.0282	-.1842	-.1176
Stddev	.4145	12.5	.1038	.3980	.0885
%RSD	106.8	7.968	367.7	216.1	75.26
#1	.6812	166.2	.1016	.0973	-.0550
#2	.0950	148.5	-.0451	-.4656	-.1802
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827712 Acquired: 5/10/2010 18:36:19 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2405	-6.157	-17.68	-37.41	.1497
Stddev	.4176	6.109	136.5	39.78	.0107
%RSD	173.6	99.21	771.8	106.4	7.169
#1	.5358	-10.48	-114.2	-9.276	.1573
#2	-.0548	-1.838	78.82	-65.54	.1422
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5079	13.12	.9935	-1.108	.2611
Stddev	.0584	10.31	.2969	1.138	1.371
%RSD	11.51	78.58	29.88	102.7	525.2
#1	.4665	5.831	.7836	-1.912	1.231
#2	.5492	20.42	1.203	-.3030	-.7086
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827712 Acquired: 5/10/2010 18:36:19 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.9675	-2.119	23.15	.6952	.0008
Stddev	.0122	2.327	1.23	.4159	.0162
%RSD	1.260	109.8	5.301	59.83	1987.
#1	-.9762	-3.764	24.01	.4011	-.0107
#2	-.9589	-.4736	22.28	.9893	.0123
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.1349	-.6976	1.082	1.471
Stddev	.0681	.1346	.656	.044
%RSD	50.44	19.29	60.60	2.976
#1	.0868	-.6025	1.545	1.502
#2	.1831	-.7928	.6182	1.440
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827712 Acquired: 5/10/2010 18:36:19 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	420.51	3812.9	3710.9	4325.0
Stddev	5.22	7.2	46.3	14.1
%RSD	1.2418	.18853	1.2464	.32595
#1	424.21	3818.0	3743.6	4335.0
#2	416.82	3807.8	3678.2	4315.1

Sample Name: 827713 Acquired: 5/10/2010 18:40:14 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2877	-2.027	-1.621	.7439	3.886
Stddev	.6142	44.66	3.579	.5299	3.761
%RSD	213.5	2203.	220.8	71.24	96.78
#1	.1467	-33.61	-4.152	1.119	1.227
#2	-.7220	29.55	.9101	.3692	6.545
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2887	97.62	-.1287	.1811	-.0320
Stddev	.1754	3.41	.0813	.1621	.1866
%RSD	60.75	3.494	63.18	89.48	583.3
#1	.1647	100.0	-.0712	.0665	-.1640
#2	.4128	95.21	-.1861	.2957	.1000
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827713 Acquired: 5/10/2010 18:40:14 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4175	-7.733	-.5097	-34.22	.1243
Stddev	.4023	8.103	1.298	.98	.0576
%RSD	96.36	104.8	254.7	2.850	46.32
#1	-.7020	-13.46	-1.428	-33.53	.0836
#2	-.1330	-2.003	.4082	-34.91	.1650
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0975	-6.133	.3894	-1.933	1.651
Stddev	.2547	18.12	.0655	1.301	2.934
%RSD	261.3	295.4	16.82	67.28	177.7
#1	.2776	-18.94	.3431	-1.014	-.4237
#2	-.0827	6.678	.4357	-2.853	3.725
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827713 Acquired: 5/10/2010 18:40:14 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5868	-1.336	21.52	.4853	-.0255
Stddev	2.091	3.085	1.07	.3615	.0123
%RSD	356.4	231.0	4.956	74.47	48.35
#1	2.066	.8458	20.76	.2298	-.0168
#2	-.8919	-3.517	22.27	.7409	-.0342
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.3576	-.2115	1.139	1.502
Stddev	.0392	.1525	.215	.086
%RSD	10.96	72.09	18.87	5.753
#1	.3298	-.1037	.9874	1.563
#2	.3853	-.3193	1.291	1.440
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827713 Acquired: 5/10/2010 18:40:14 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	429.64	3830.3	3762.3	4405.5
Stddev	3.38	4.0	7.6	29.5
%RSD	.78627	.10379	.20205	.67012
#1	427.25	3827.5	3756.9	4384.6
#2	432.03	3833.1	3767.7	4426.3

Sample Name: 827715 Acquired: 5/10/2010 18:44:10 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.6009	4522.	.0771	11.43	47.01
Stddev	.9006	49.	3.070	.26	2.49
%RSD	149.9	1.075	3984.	2.246	5.290
#1	.0359	4487.	-2.094	11.61	48.76
#2	-1.238	4556.	2.248	11.25	45.25
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.6157	5113.	.0929	1.558	5.332
Stddev	.1962	92.	.0251	.114	.090
%RSD	31.86	1.806	27.03	7.289	1.696
#1	.4770	5048.	.1106	1.638	5.268
#2	.7544	5178.	.0751	1.478	5.396
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827715 Acquired: 5/10/2010 18:44:10 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	6.363	4664.	4965.	2765.	49.56
Stddev	.797	12.	51.	3.	.04
%RSD	12.52	.2626	1.022	.1053	.0743
#1	5.800	4673.	5000.	2763.	49.58
#2	6.927	4655.	4929.	2767.	49.53
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4973	2524.	3.695	100.8	4.531
Stddev	.3720	6.	.315	.5	.308
%RSD	74.79	.2548	8.515	.5402	6.803
#1	.2343	2520.	3.917	101.2	4.313
#2	.7604	2529.	3.472	100.5	4.749
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827715 Acquired: 5/10/2010 18:44:10 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.9980	-2.433	9767.	.0904	27.03
Stddev	2.111	.986	7.	1.279	.30
%RSD	211.5	40.53	.0674	1415.	1.121
#1	2.491	-1.735	9771.	-.8140	27.25
#2	-.4946	-3.130	9762.	.9947	26.82
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	147.6	1.251	9.370	10.44
Stddev	.3	.588	.478	.09
%RSD	.1746	46.97	5.097	.9044
#1	147.5	.8357	9.708	10.37
#2	147.8	1.667	9.033	10.50
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827715 Acquired: 5/10/2010 18:44:10 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	417.74	3817.9	3747.2	4405.4
Stddev	3.05	41.8	43.5	8.3
%RSD	.72953	1.0948	1.1600	.18820
#1	419.90	3847.4	3777.9	4411.3
#2	415.59	3788.3	3716.5	4399.6

Sample Name: 827717 Acquired: 5/10/2010 18:48:05 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.7533	4877.	.6935	10.74	49.19
Stddev	.7114	18.	.1620	.11	1.73
%RSD	94.44	.3679	23.36	1.006	3.520
#1	-1.256	4890.	.5790	10.67	47.96
#2	-.2503	4864.	.8081	10.82	50.41
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5129	4809.	.1205	1.958	5.845
Stddev	.0574	28.	.0177	.217	.171
%RSD	11.18	.5747	14.71	11.08	2.933
#1	.5535	4828.	.1080	2.111	5.966
#2	.4724	4789.	.1330	1.804	5.723
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717 Acquired: 5/10/2010 18:48:05 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.618	5147.	4752.	2708.	64.27
Stddev	.183	4.	116.	11.	.31
%RSD	2.404	.0850	2.440	.4034	.4756
#1	7.488	5144.	4834.	2700.	64.06
#2	7.747	5150.	4670.	2716.	64.49
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4781	2387.	3.358	112.0	4.918
Stddev	.0121	34.	.267	.8	1.539
%RSD	2.539	1.412	7.962	.6928	31.30
#1	.4867	2411.	3.169	111.5	6.006
#2	.4695	2363.	3.547	112.6	3.830
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717 Acquired: 5/10/2010 18:48:05 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.789	-1.188	9855.	.3638	25.69
Stddev	.653	1.213	50.	.8307	.04
%RSD	36.50	102.1	.5073	228.3	.1481
#1	-2.251	-.3305	9819.	.9512	25.66
#2	-1.327	-2.045	9890.	-.2236	25.72
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	158.4	.3640	10.16	12.27
Stddev	.3	.7994	.06	.03
%RSD	.1977	219.6	.6009	.2474
#1	158.7	.9293	10.21	12.25
#2	158.2	-.2013	10.12	12.29
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827717 Acquired: 5/10/2010 18:48:05 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	417.50	3776.8	3729.1	4357.1
Stddev	.46	12.3	18.2	6.2
%RSD	.11087	.32561	.48912	.14160
#1	417.83	3785.5	3742.0	4361.5
#2	417.18	3768.1	3716.2	4352.7

Sample Name: 827717LX5 Acquired: 5/10/2010 18:52:00 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.1295	941.7	2.130	2.450	9.561
Stddev	.0751	2.5	.245	.593	.017
%RSD	57.96	.2668	11.49	24.19	.1725
#1	-.1826	943.5	2.303	2.031	9.549
#2	-.0764	940.0	1.957	2.870	9.572
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2757	1058.	.0346	.4908	1.274
Stddev	.2371	16.	.3606	.0741	.157
%RSD	86.02	1.522	1041.	15.10	12.31
#1	.4434	1047.	.2896	.4384	1.164
#2	.1080	1070.	-.2203	.5432	1.385
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717LX5 Acquired: 5/10/2010 18:52:00 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	{Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.298	1021.	956.1	563.6	12.96
Stddev	.625	4.	30.0	25.2	.09
%RSD	48.16	.3859	3.141	4.472	.7169
#1	.8561	1024.	977.3	581.5	13.02
#2	1.740	1019.	934.8	545.8	12.89
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0506	429.5	.5622	20.20	1.538
Stddev	.0801	5.5	.5331	.41	.251
%RSD	158.2	1.287	94.82	2.054	16.34
#1	.1072	433.5	.1852	19.91	1.361
#2	-.0060	425.6	.9391	20.50	1.716
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717LX5 Acquired: 5/10/2010 18:52:00 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.7031	.2007	1963.	.7426	5.169
Stddev	.6628	.3406	3.	.0802	.008
%RSD	94.27	169.7	.1721	10.79	.1493
#1	.2345	-.0401	1961.	.7993	5.164
#2	1.172	.4416	1966.	.6859	5.175
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	{Y_HWAX}	(In2306}	(Y_HWAX}	(Y_-LWAX}
Units	ppb	ppb	ppb	ppb
Avg	31.09	-.1960	2.534	2.665
Stddev	.54	.5838	.304	.189
%RSD	1.748	297.9	11.99	7.088
#1	31.48	.2168	2.319	2.532
#2	30.71	-.6088	2.749	2.799
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827717LX5 Acquired: 5/10/2010 18:52:00 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	418.05	3765.5	3693.4	4277.5
Stddev	1.01	.4	1.4	13.0
%RSD	.24111	.01054	.03922	.30458
#1	418.76	3765.2	3692.4	4286.8
#2	417.34	3765.8	3694.4	4268.3

Sample Name: 827717A Acquired: 5/10/2010 18:55:56 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	9.692	5229.	21.87	11.11	450.2
Stddev	.182	73.	.98	.22	.8
%RSD	1.877	1.386	4.485	1.959	.1852
#1	9.821	5280.	22.57	10.95	449.6
#2	9.564	5178.	21.18	11.26	450.8
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.80	15250.	10.02	101.2	25.62
Stddev	.19	10.	.16	.1	.15
%RSD	1.761	.0678	1.598	.0501	.5748
#1	10.93	15250.	9.909	101.2	25.52
#2	10.66	15260.	10.14	101.2	25.73
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717A Acquired: 5/10/2010 18:55:56 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	55.44	5180.	15510.	13060.	91.60
Stddev	.90	9.	201.	123.	.04
%RSD	1.629	.1786	1.296	.9374	.0476
#1	56.08	5174.	15650.	12980.	91.63
#2	54.80	5187.	15370.	13150.	91.57
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2132	12740.	81.95	110.5	23.50
Stddev	.1934	34.	.07	1.4	.79
%RSD	90.69	.2655	.0828	1.272	3.353
#1	.0765	12710.	81.90	109.5	22.94
#2	.3499	12760.	82.00	111.5	24.06
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717A Acquired: 5/10/2010 18:55:56 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	118.4	75.87	9697.	.4130	25.57
Stddev	1.8	1.53	8.	.7001	.07
%RSD	1.531	2.022	.0800	169.5	.2618
#1	117.1	74.78	9703.	.9080	25.52
#2	119.7	76.95	9692.	-.0821	25.62
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	156.4	50.40	110.6	134.4
Stddev	.6	.64	.1	.1
%RSD	.4104	1.266	.0846	.0726
#1	156.0	49.95	110.6	134.3
#2	156.9	50.85	110.7	134.5
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827717A Acquired: 5/10/2010 18:55:56 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	406.44	3751.3	3689.4	4303.7
Stddev	1.45	9.3	3.5	24.7
%RSD	.35768	.24698	.09618	.57355
#1	407.47	3757.9	3692.0	4321.2
#2	405.41	3744.8	3686.9	4286.2

Sample Name: CRI Acquired: 5/10/2010 18:59:49 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.630	223.2	10.77	F .0310	202.5
Stddev	.093	16.2	1.91	1.046	1.0
%RSD	1.224	7.257	17.74	3369.	.4730
#1	7.564	211.7	9.415	.7705	201.8
#2	7.696	234.6	12.12	-.7084	203.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.268	5374.	4.926	50.83	10.18
Stddev	.158	103.	.284	.10	.07
%RSD	2.992	1.912	5.776	.1928	.6984
#1	5.157	5447.	4.725	50.76	10.13
#2	5.380	5302.	5.128	50.90	10.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 5/10/2010 18:59:49 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	24.56	F 99.65	5431.	5255.	15.19
Stddev	.04	10.54	62.	79.	.11
%RSD	.1685	10.58	1.144	1.499	.7417
#1	24.53	107.1	5475.	5310.	15.11
#2	24.59	92.20	5387.	5199.	15.27
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		300.0			
Low Limit		100.0			

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -.0659	5301.	40.96	F -5.388	9.861
Stddev	.0891	10.	.44	.996	.301
%RSD	135.1	.1821	1.086	18.49	3.054
#1	-.0030	5308.	41.27	-6.092	9.648
#2	-.1289	5294.	40.64	-4.683	10.07
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	15.00			375.0	
Low Limit	5.000			125.0	

Sample Name: CRI Acquired: 5/10/2010 18:59:49 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	62.67	36.56	F 12.33	F .6146	F .0476
Stddev	.38	.11	16.34	.5784	.0282
%RSD	.6056	.2932	132.5	94.10	59.18
#1	62.40	36.63	23.88	1.024	.0675
#2	62.94	36.48	.7736	.2056	.0277
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit			300.0	30.00	30.00
Low Limit			100.0	10.00	10.00

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	F .4333	25.70	50.39	61.75
Stddev	.0744	.55	.35	.01
%RSD	17.16	2.159	.6859	.0228
#1	.4859	26.09	50.63	61.74
#2	.3807	25.31	50.14	61.76
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 5/10/2010 18:59:49 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	414.26	3723.2	3653.3	4245.9
Stddev	.09	7.9	9.5	18.2
%RSD	.02164	.21336	.26071	.42842
#1	414.20	3717.6	3660.0	4233.0
#2	414.32	3728.8	3646.6	4258.8

Sample Name: ICSA Acquired: 5/10/2010 19:03:42 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.209	243600.	.4956	.0288	2.758
Stddev	.261	2.	.9535	.2628	6.804
%RSD	21.56	.0006	192.4	911.4	246.7
#1	-1.025	243600.	-.1786	-.1570	7.569
#2	-1.394	243500.	1.170	.2147	-2.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1969	240300.	1.060	.9739	-.1333
Stddev	.2191	231.	.157	.0402	.1599
%RSD	111.3	.0963	14.77	4.131	119.9
#1	.3518	240400.	1.170	1.002	-.0203
#2	.0420	240100.	.9490	.9455	-.2464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/10/2010 19:03:42 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.1491	94660.	30.71	237400.	-2.117
Stddev	.3210	72.	51.63	801.	.034
%RSD	215.3	.0758	168.1	.3372	1.581
#1	-.3761	94710.	67.22	238000.	-2.093
#2	.0779	94610.	-5.793	236900.	-2.140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5287	36.08	-3.016	-4.044	2.923
Stddev	.3032	14.21	.009	.322	2.306
%RSD	57.35	39.39	.2910	7.961	78.88
#1	-.7431	26.03	-3.022	-4.272	4.553
#2	-.3143	46.13	-3.010	-3.816	1.293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/10/2010 19:03:42 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.474	-4.191	6.941	-.1582	2.335
Stddev	2.529	.874	.686	.6947	.016
%RSD	171.6	20.84	9.877	439.2	.7017
#1	-3.263	-4.808	6.456	-.6494	2.346
#2	.3143	-3.573	7.425	.3331	2.323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	2.477	3.028	-3.158	-.3262
Stddev	.767	2.086	.321	.0711
%RSD	30.97	68.88	10.15	21.81
#1	1.934	1.553	-2.932	-.2759
#2	3.019	4.503	-3.385	-.3765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 5/10/2010 19:03:42 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	367.95	3598.0	3512.6	4258.5
Stddev	.22	17.5	4.4	17.8
%RSD	.06081	.48690	.12602	.41892
#1	367.79	3585.6	3515.8	4245.9
#2	368.11	3610.4	3509.5	4271.1

Sample Name: ICSAB Acquired: 5/10/2010 19:07:33 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	200.9	243200.	F 108.2	F -.6480	485.6
Stddev	.1	393.	.3	.3781	5.5
%RSD	.0431	.1614	.2535	58.35	1.138
#1	200.9	243000.	108.0	-.9154	489.5
#2	201.0	243500.	108.4	-.3807	481.7
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			240.0	1800.	
Low Limit			160.0	1200.	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	502.1	240100.	972.4	469.0	474.0
Stddev	.4	83.	1.4	1.0	1.4
%RSD	.0705	.0346	.1478	.2161	.2877
#1	502.3	240000.	973.4	469.7	473.0
#2	501.8	240100.	971.3	468.2	475.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 5/10/2010 19:07:33 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	488.2	F 94510.	-71.94	237300.	474.5
Stddev	1.6	269.	35.58	16.	.0
%RSD	.3270	.2841	49.46	.0066	.0028
#1	489.3	94700.	-46.78	237300.	474.5
#2	487.1	94320.	-97.10	237300.	474.4
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		240.0			
Low Limit		160.0			

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -.5883	12.14	907.0	F -3.734	55.83
Stddev	.1196	40.05	.6	1.370	3.21
%RSD	20.33	330.0	.0671	36.68	5.750
#1	-.5037	40.46	907.5	-2.766	53.56
#2	-.6729	-16.19	906.6	-4.703	58.10
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	1200.			600.0	
Low Limit	800.0			400.0	

Sample Name: ICSAB Acquired: 5/10/2010 19:07:33 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	592.5	47.37	9.001	-2.217	2.334
Stddev	1.0	7.85	1.035	.183	.047
%RSD	.1718	16.58	11.50	8.259	2.011
#1	591.8	52.92	8.270	-2.088	2.301
#2	593.2	41.81	9.733	-2.347	2.367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	497.5	101.8	490.4	970.6
Stddev	1.0	1.8	.5	1.3
%RSD	.1939	1.784	.1065	.1305
#1	496.8	103.1	490.1	969.7
#2	498.1	100.5	490.8	971.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 5/10/2010 19:07:33 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	364.71	3551.8	3462.8	4199.7
Stddev	.16	24.5	11.0	70.0
%RSD	.04280	.68927	.31856	1.6662
#1	364.82	3569.1	3470.6	4249.2
#2	364.60	3534.5	3455.0	4150.3

Sample Name: CCV Acquired: 5/10/2010 19:11:23 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	97.30	29590.	101.3	715.4	195.8
Stddev	.28	55.	1.9	.6	.4
%RSD	.2928	.1851	1.889	.0887	.2045
#1	97.10	29630.	102.6	715.8	196.1
#2	97.50	29560.	99.90	714.9	195.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	97.80	29320.	97.57	191.0	191.1
Stddev	.63	12.	.14	.3	.1
%RSD	.6485	.0409	.1401	.1827	.0323
#1	97.35	29330.	97.48	190.7	191.1
#2	98.25	29310.	97.67	191.2	191.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/10/2010 19:11:23 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	186.1	29390.	29630.	29590.	188.9
Stddev	.0	42.	98.	153.	.0
%RSD	.0149	.1413	.3312	.5171	.0056
#1	186.1	29420.	29560.	29480.	188.9
#2	186.1	29360.	29700.	29690.	188.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	199.0	29520.	186.5	193.8	405.8
Stddev	.3	66.	1.0	1.7	2.1
%RSD	.1555	.2224	.5120	.8581	.5216
#1	198.7	29470.	187.2	195.0	404.3
#2	199.2	29570.	185.8	192.7	407.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/10/2010 19:11:23 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	293.7	99.54	995.4	191.9	296.5
Stddev	.8	.90	3.8	1.3	1.2
%RSD	.2591	.9043	.3821	.6746	.4141
#1	293.1	98.91	992.7	191.0	297.4
#2	294.2	100.2	998.1	192.8	295.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	395.8	103.9	196.3	195.9
Stddev	.4	.6	.2	.1
%RSD	.0933	.5915	.0910	.0651
#1	396.0	103.4	196.5	195.8
#2	395.5	104.3	196.2	196.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/10/2010 19:11:23 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	388.47	3682.6	3585.8	4233.8
Stddev	1.01	7.9	6.6	2.5
%RSD	.26102	.21512	.18504	.06001
#1	389.19	3688.2	3581.1	4232.0
#2	387.75	3677.0	3590.5	4235.6

Sample Name: CCB Acquired: 5/10/2010 19:15:13 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.9188	2.751	.1159	.5267	3.740
Stddev	.4133	18.49	2.928	.8409	.094
%RSD	44.98	672.1	2527.	159.7	2.518
#1	-.6266	-10.32	2.186	-.0679	3.807
#2	-1.211	15.83	-1.955	1.121	3.674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1894	55.63	-.1709	-.1859	.1313
Stddev	.2240	42.03	.0926	.5793	.0819
%RSD	118.2	75.55	54.16	311.7	62.35
#1	.0310	25.91	-.1055	.2237	.0734
#2	.3478	85.35	-.2364	-.5955	.1892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/10/2010 19:15:13 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44)	279.079 {121)	257.610 {131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	{Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2080	-1.563	-59.64	-23.29	.0129
Stddev	.6580	13.18	90.13	4.47	.0225
%RSD	316.4	843.5	151.1	19.18	174.9
#1	.2573	7.758	4.094	-20.13	.0288
#2	-.6732	-10.88	-123.4	-26.45	-.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467)	589.592 { 57}	231.604 {445)	178.284 {489)	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3751	-12.78	1.192	-5.903	3.077
Stddev	.0592	32.08	.489	1.658	1.835
%RSD	15.79	251.0	41.02	28.09	59.63
#1	.4170	-35.47	1.538	-4.731	1.780
#2	.3333	9.901	.8462	-7.075	4.374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/10/2010 19:15:13 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463)	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0844	.2190	.7180	.8037	-.0035
Stddev	.1639	3.530	1.312	1.585	.0396
%RSD	194.3	1612.	182.8	197.2	1129.
#1	.2003	-2.277	1.646	-.3168	.0245
#2	-.0315	2.715	-.2099	1.924	-.0315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101)2	190.856 {477}	292.402 {115)2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.1023	.3844	.2079	-.0455
Stddev	.2825	2.159	.5588	.1028
%RSD	276.0	561.5	268.7	225.6
#1	.3021	1.911	-.1872	.0271
#2	-.0974	-1.142	.6031	-.1182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/10/2010 19:15:13 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	413.38	3724.1	3642.3	4211.6
Stddev	.16	8.4	15.4	3.6
%RSD	.03975	.22552	.42146	.08479
#1	413.27	3730.1	3631.5	4209.0
#2	413.50	3718.2	3653.2	4214.1

Sample Name: 827717MS Acquired: 5/10/2010 19:19:08 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	52.05	9576.	46.99	532.5	2004.
Stddev	.03	8.	3.43	3.2	17.
%RSD	.0667	.0827	7.297	.5979	.8335
#1	52.03	9570.	49.41	530.3	2016.
#2	52.08	9581.	44.56	534.8	1992.
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	52.86	5139.	52.07	528.0	215.9
Stddev	.29	110.	.14	.8	.0
%RSD	.5464	2.137	.2744	.1481	.0057
#1	53.06	5217.	51.97	527.4	215.9
#2	52.65	5062.	52.17	528.5	215.9
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717MS Acquired: 5/10/2010 19:19:08 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	260.8	7586.	5187.	3002.	592.9
Stddev	.2	4.	12.	10.	.4
%RSD	.0660	.0518	.2258	.3362	.0661
#1	261.0	7583.	5195.	3009.	592.6
#2	260.7	7589.	5178.	2995.	593.1
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	528.8	2556.	517.0	664.8	27.73
Stddev	2.4	3.	.1	1.4	1.46
%RSD	.4549	.1340	.0100	.2047	5.258
#1	527.1	2553.	517.1	665.8	26.70
#2	530.5	2558.	517.0	663.8	28.76
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717MS Acquired: 5/10/2010 19:19:08 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	103.7	54.75	13840.	470.0	541.1
Stddev	1.0	.47	10.	1.7	.4
%RSD	.9694	.8629	.0745	.3542	.0664
#1	104.4	54.41	13830.	471.1	540.8
#2	103.0	55.08	13840.	468.8	541.3
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	707.7	55.80	531.5	547.8
Stddev	1.5	2.09	.1	.5
%RSD	.2149	3.747	.0184	.0993
#1	706.6	57.28	531.5	547.5
#2	708.8	54.33	531.6	548.2
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827717MS Acquired: 5/10/2010 19:19:08 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	412.58	3778.9	3694.0	4345.4
Stddev	.71	5.8	.2	21.0
%RSD	.17176	.15388	.00675	.48248
#1	413.08	3774.8	3693.8	4330.6
#2	412.08	3783.1	3694.1	4360.3

Sample Name: 827717DP Acquired: 5/10/2010 19:23:05 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3280	6006.	.9653	11.60	48.62
Stddev	.0735	12.	2.663	.13	.90
%RSD	22.40	.2032	275.8	1.092	1.847
#1	-.2760	6015.	-.9175	11.69	49.26
#2	-.3799	5998.	2.848	11.51	47.99
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5414	5005.	.0261	2.035	7.485
Stddev	.0641	20.	.0961	.231	.068
%RSD	11.83	.3999	368.4	11.36	.9027
#1	.4961	5019.	-.0419	1.872	7.437
#2	.5867	4991.	.0940	2.199	7.533
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717DP Acquired: 5/10/2010 19:23:05 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	9.259	6199.	5045.	2950.	69.33
Stddev	.075	13.	2.	119.	.22
%RSD	.8125	.2164	.0431	4.020	.3237
#1	9.205	6190.	5044.	2866.	69.17
#2	9.312	6209.	5047.	3034.	69.49
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.388	2482.	4.395	133.4	3.384
Stddev	.003	1.	.012	.8	3.626
%RSD	.2317	.0271	.2686	.6346	107.1
#1	1.390	2483.	4.386	132.8	.8202
#2	1.385	2482.	4.403	134.0	5.948
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827717DP Acquired: 5/10/2010 19:23:05 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-3.242	-.2613	11440.	.0253	27.24
Stddev	.686	.8882	36.	.2074	.06
%RSD	21.17	340.0	.3112	819.6	.2102
#1	-2.757	-.8893	11410.	-.1214	27.20
#2	-3.728	.3668	11460.	.1720	27.28
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	193.3	1.276	12.46	12.75
Stddev	.5	1.335	.70	.00
%RSD	.2662	104.6	5.649	.0048
#1	193.0	2.220	11.96	12.75
#2	193.7	.3322	12.95	12.75
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827717DP Acquired: 5/10/2010 19:23:05 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	414.57	3783.7	3705.9	4322.9
Stddev	1.61	4.9	7.2	3.4
%RSD	.38885	.12843	.19408	.07811
#1	413.43	3787.1	3700.9	4325.3
#2	415.71	3780.2	3711.0	4320.5

Sample Name: 827718 Acquired: 5/10/2010 19:27:00 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2703	26.89	-.1899	3.833	17.66
Stddev	1.476	1.33	1.122	.679	3.73
%RSD	546.1	4.959	590.5	17.70	21.14
#1	-1.314	25.94	-.9831	4.313	20.30
#2	.7736	27.83	.6032	3.354	15.02
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2732	1831.	.5146	-.0992	5.510
Stddev	.3472	23.	.2195	.4214	.184
%RSD	127.1	1.277	42.67	424.8	3.337
#1	.0277	1847.	.6698	-.3972	5.640
#2	.5188	1814.	.3593	.1988	5.380
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827718 Acquired: 5/10/2010 19:27:00 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.059	32.46	1223.	604.3	2.160
Stddev	.184	3.82	156.	2.4	.080
%RSD	4.529	11.77	12.79	.3925	3.700
#1	4.189	29.76	1112.	602.6	2.217
#2	3.929	35.16	1333.	606.0	2.104
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.6881	2758.	18.22	102.7	3.946
Stddev	.1070	23.	1.48	3.5	1.522
%RSD	15.55	.8263	8.099	3.366	38.56
#1	.7638	2774.	17.18	105.1	5.022
#2	.6124	2742.	19.26	100.3	2.870
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 827718 Acquired: 5/10/2010 19:27:00 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3607	-.0024	6337.	.4429	9.848
Stddev	1.751	2.052	4.	.6679	.233
%RSD	485.5	85580.	.0673	150.8	2.366
#1	-.8775	-1.453	6334.	-.0293	10.01
#2	1.599	1.449	6340.	.9152	9.683
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.6006	1.075	.0684	11.41
Stddev	.6489	1.227	.0179	.20
%RSD	108.0	114.2	26.13	1.722
#1	1.059	1.943	.0558	11.27
#2	.1418	.2072	.0811	11.55
Check ?	None	None	None	None
Value				
Range				

Sample Name: 827718 Acquired: 5/10/2010 19:27:00 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	421.92	3755.0	3716.9	4305.8
Stddev	3.88	22.0	43.8	115.7
%RSD	.92043	.58515	1.1774	2.6858
#1	424.67	3739.5	3747.9	4224.0
#2	419.18	3770.5	3686.0	4387.6

Sample Name: 828423 Acquired: 5/10/2010 19:30:55 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.6488	-26.68	1.220	.2950	2.284
Stddev	.1515	31.18	2.082	.3861	4.641
%RSD	23.35	116.9	170.7	130.9	203.2
#1	-.5417	-4.636	-.2527	.5680	5.566
#2	-.7559	-48.73	2.692	.0220	-.9973
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0873	45.34	-.0173	.0574	-.0960
Stddev	.1430	6.88	.4337	.3503	.0918
%RSD	163.9	15.17	2505.	610.8	95.59
#1	-.0139	40.48	.2893	-.1904	-.1609
#2	.1884	50.21	-.3240	.3051	-.0311
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828423 Acquired: 5/10/2010 19:30:55 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.435	-16.98	25.30	1.495	.1172
Stddev	.188	3.83	16.47	3.376	.0523
%RSD	13.11	22.56	65.08	225.8	44.61
#1	1.302	-14.27	13.66	3.882	.0802
#2	1.568	-19.68	36.94	-.8918	.1541
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4534	-34.94	.4962	-3.109	1.423
Stddev	.1175	26.56	.3161	.086	1.077
%RSD	25.91	76.02	63.69	2.769	75.70
#1	.5365	-16.16	.2727	-3.170	2.184
#2	.3704	-53.71	.7197	-3.048	.6612
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 828423 Acquired: 5/10/2010 19:30:55 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.9058	-1.353	23.82	-.4879	.0145
Stddev	1.591	.712	2.65	.0681	.0010
%RSD	175.6	52.66	11.14	13.96	6.954
#1	-.2189	-1.857	25.70	-.4397	.0152
#2	2.031	-.8491	21.94	-.5360	.0138
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.3784	.4515	.5937	.4620
Stddev	.2304	1.490	.6134	.0613
%RSD	60.88	329.9	103.3	13.26
#1	.2155	1.505	.1600	.5054
#2	.5412	-.6019	1.027	.4187
Check ?	None	None	None	None
Value				
Range				

Sample Name: 828423 Acquired: 5/10/2010 19:30:55 Type: Unk
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	417.72	3736.3	3666.2	4248.2
Stddev	.81	8.2	5.1	29.9
%RSD	.19353	.21996	.13963	.70450
#1	417.15	3730.4	3662.6	4227.0
#2	418.29	3742.1	3669.8	4269.4

Sample Name: CRI Acquired: 5/10/2010 19:34:50 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.528	203.5	10.91	F -.0890	204.9
Stddev	.751	15.5	1.17	.1749	7.5
%RSD	9.983	7.607	10.68	196.4	3.668
#1	6.997	214.5	11.73	.0346	210.2
#2	8.060	192.6	10.08	-.2127	199.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.322	5378.	5.194	51.08	10.09
Stddev	.258	8.	.087	.41	.09
%RSD	4.840	.1446	1.685	.8063	.8895
#1	5.504	5373.	5.256	50.79	10.02
#2	5.140	5384.	5.132	51.37	10.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 5/10/2010 19:34:50 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	25.16	F 99.62	5403.	5289.	15.20
Stddev	.48	22.92	120.	46.	.03
%RSD	1.898	23.00	2.221	.8700	.1963
#1	24.82	83.41	5488.	5322.	15.22
#2	25.50	115.8	5319.	5257.	15.18
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		300.0			
Low Limit		100.0			

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F .3450	5312.	40.33	F -4.744	10.78
Stddev	.2948	15.	.35	1.177	1.28
%RSD	85.46	.2884	.8601	24.82	11.88
#1	.1365	5302.	40.09	-3.912	9.875
#2	.5535	5323.	40.58	-5.577	11.69
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	15.00			375.0	
Low Limit	5.000			125.0	

Sample Name: CRI Acquired: 5/10/2010 19:34:50 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	60.69	38.60	F 1.348	F .7926	F .0583
Stddev	1.49	3.15	1.720	.3921	.0124
%RSD	2.456	8.167	127.6	49.47	21.27
#1	59.63	40.83	2.565	1.070	.0670
#2	61.74	36.37	.1318	.5153	.0495
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit			300.0	30.00	30.00
Low Limit			100.0	10.00	10.00

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	F -.2297	24.74	50.66	61.82
Stddev	.3893	.94	.13	.16
%RSD	169.5	3.812	.2592	.2603
#1	.0456	24.07	50.75	61.70
#2	-.5050	25.41	50.57	61.93
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 5/10/2010 19:34:50 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	414.22	3752.1	3653.7	4279.6
Stddev	.51	44.0	9.4	73.2
%RSD	.12366	1.1726	.25695	1.7101
#1	413.86	3783.2	3660.3	4331.3
#2	414.58	3721.0	3647.1	4227.8

Sample Name: ICSA Acquired: 5/10/2010 19:38:45 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5006	243600.	1.828	.3127	4.578
Stddev	1.331	211.	2.005	.3525	5.967
%RSD	265.9	.0866	109.7	112.7	130.3
#1	.4406	243500.	3.245	.0634	.3589
#2	-1.442	243800.	.4101	.5620	8.798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0698	240500.	.7086	.8253	-.0663
Stddev	.2284	62.	.0945	.7549	.4405
%RSD	327.0	.0256	13.33	91.47	664.7
#1	.2313	240600.	.7754	.2915	.2452
#2	-.0917	240500.	.6418	1.359	-.3777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/10/2010 19:38:45 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5127	94780.	-19.01	238000.	-2.138
Stddev	.4080	45.	117.1	245.	.070
%RSD	79.57	.0472	616.2	.1028	3.264
#1	.2242	94750.	-101.8	238100.	-2.089
#2	.8012	94820.	63.81	237800.	-2.187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5723	22.13	-2.921	-1.375	4.436
Stddev	.4918	15.72	.155	2.957	.864
%RSD	85.94	71.03	5.300	215.1	19.48
#1	-.9200	11.02	-3.030	-3.466	3.825
#2	-.2245	33.25	-2.811	.7161	5.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/10/2010 19:38:45 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-3.730	-.7865	5.223	.1940	2.382
Stddev	3.404	5.536	.227	.3992	.051
%RSD	91.27	703.9	4.352	205.8	2.133
#1	-6.137	-4.701	5.384	.4763	2.418
#2	-1.323	3.128	5.063	-.0883	2.346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	3.441	2.492	-2.878	-.2893
Stddev	.167	.405	.546	.1721
%RSD	4.861	16.26	18.98	59.49
#1	3.559	2.205	-2.492	-.4110
#2	3.323	2.778	-3.264	-.1676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 5/10/2010 19:38:45 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	366.04	3574.9	3500.9	4181.8
Stddev	.54	2.3	9.3	49.7
%RSD	.14831	.06435	.26563	1.1889
#1	366.42	3576.6	3494.3	4146.7
#2	365.65	3573.3	3507.5	4217.0

Sample Name: ICSAB Acquired: 5/10/2010 19:42:38 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	201.0	242900.	F 105.4	F .3534	491.8
Stddev	.8	197.	1.2	.2036	4.8
%RSD	.3858	.0811	1.159	57.60	.9775
#1	201.5	243000.	106.3	.2094	488.4
#2	200.4	242700.	104.5	.4973	495.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			240.0	1800.	
Low Limit			160.0	1200.	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)2	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	501.4	239600.	973.6	470.3	475.1
Stddev	.0	306.	1.3	1.3	.4
%RSD	.0097	.1279	.1319	.2771	.0864
#1	501.4	239800.	972.7	469.4	474.8
#2	501.5	239400.	974.5	471.2	475.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 5/10/2010 19:42:38 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	487.8	F 94360.	-25.43	236800.	474.1
Stddev	.4	54.	34.47	5.	.0
%RSD	.0777	.0569	135.6	.0020	.0078
#1	488.1	94320.	-1.055	236800.	474.0
#2	487.6	94400.	-49.81	236800.	474.1
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		240.0			
Low Limit		160.0			

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -.5791	1.790	908.8	F -6.447	55.59
Stddev	.3264	16.97	.2	.942	1.58
%RSD	56.36	948.2	.0233	14.61	2.834
#1	-.8099	13.79	908.9	-7.113	56.70
#2	-.3483	-10.21	908.6	-5.781	54.48
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	1200.			600.0	
Low Limit	800.0			400.0	

Sample Name: ICSAB Acquired: 5/10/2010 19:42:38 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	593.6	55.04	7.567	-1.802	2.306
Stddev	3.4	1.31	1.398	.861	.013
%RSD	.5774	2.387	18.48	47.80	.5406
#1	596.0	54.11	8.556	-2.410	2.315
#2	591.1	55.97	6.579	-1.193	2.297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	497.8	104.7	489.8	971.7
Stddev	.3	.4	.1	.4
%RSD	.0572	.4061	.0217	.0395
#1	498.0	104.4	489.7	971.5
#2	497.6	105.0	489.9	972.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 5/10/2010 19:42:38 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	361.99	3547.4	3456.4	4227.9
Stddev	2.87	44.7	.9	51.3
%RSD	.79365	1.2588	.02610	1.2145
#1	364.02	3578.9	3457.0	4264.3
#2	359.96	3515.8	3455.8	4191.6

Sample Name: CCV Acquired: 5/10/2010 19:46:28 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	97.42	29640.	102.7	717.9	196.2
Stddev	1.34	30.	1.6	2.9	1.6
%RSD	1.375	.1007	1.560	.4050	.8393
#1	98.37	29620.	103.9	715.8	195.0
#2	96.48	29660.	101.6	719.9	197.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	98.05	29220.	98.10	191.4	191.7
Stddev	.71	114.	.27	.3	.3
%RSD	.7250	.3903	.2738	.1606	.1825
#1	97.55	29140.	97.91	191.6	191.5
#2	98.56	29300.	98.29	191.1	191.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/10/2010 19:46:28 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	185.5	29320.	29610.	29660.	188.9
Stddev	2.3	72.	218.	78.	.5
%RSD	1.257	.2470	.7363	.2627	.2558
#1	187.2	29370.	29450.	29610.	189.3
#2	183.9	29270.	29760.	29720.	188.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	199.6	29550.	187.3	196.0	407.0
Stddev	1.2	50.	2.6	.4	6.3
%RSD	.6162	.1688	1.400	.2037	1.546
#1	198.7	29520.	185.4	196.3	402.6
#2	200.4	29590.	189.2	195.7	411.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/10/2010 19:46:28 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	293.7	97.83	993.6	194.2	296.0
Stddev	1.1	4.66	.6	1.1	.1
%RSD	.3579	4.763	.0646	.5617	.0488
#1	294.5	101.1	994.0	193.4	295.9
#2	293.0	94.54	993.1	194.9	296.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	396.5	102.1	194.4	195.8
Stddev	.9	3.2	.1	.3
%RSD	.2261	3.147	.0393	.1758
#1	397.1	99.84	194.4	195.6
#2	395.8	104.4	194.5	196.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/10/2010 19:46:28 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	393.87	3704.3	3624.2	4257.1
Stddev	3.39	34.3	3.9	61.9
%RSD	.86130	.92560	.10643	1.4546
#1	396.27	3728.5	3627.0	4300.9
#2	391.47	3680.0	3621.5	4213.3

Sample Name: CCB Acquired: 5/10/2010 19:50:17 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4757	-20.99	1.437	1.124	-.7393
Stddev	.5828	42.18	1.855	.271	5.147
%RSD	122.5	200.9	129.1	24.11	696.1
#1	-.8877	8.831	2.749	.9327	2.900
#2	-.0636	-50.82	.1254	1.316	-4.379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1639	70.16	.1060	-.4421	.1570
Stddev	.2208	28.98	.1960	.1459	.1848
%RSD	134.7	41.30	184.9	33.01	117.7
#1	.3200	90.65	-.0326	-.3389	.2876
#2	.0078	49.68	.2446	-.5453	.0263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/10/2010 19:50:17 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0582	5.886	44.82	-13.09	.1592
Stddev	.0464	4.795	23.41	8.19	.0328
%RSD	79.77	81.46	52.24	62.59	20.62
#1	.0254	9.277	28.26	-7.297	.1360
#2	.0910	2.496	61.37	-18.88	.1824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.6962	25.29	.2094	-3.132	2.512
Stddev	.1617	24.72	.3046	.300	1.082
%RSD	23.22	97.72	145.5	9.581	43.08
#1	.5818	42.77	-.0060	-2.920	3.278
#2	.8105	7.816	.4248	-3.344	1.747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/10/2010 19:50:17 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 (477)2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.7978	4.092	-1.840	.5946	-.0022
Stddev	.3830	2.991	2.059	.3519	.0374
%RSD	48.01	73.08	111.9	59.18	1677.
#1	1.069	6.207	-3.295	.8434	.0242
#2	.5270	1.978	-.3842	.3458	-.0287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.2690	-1.091	.5762	.0778
Stddev	.1477	1.309	.1530	.1120
%RSD	54.89	120.1	26.54	143.9
#1	.3735	-.1646	.4681	.1571
#2	.1646	-2.016	.6844	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/10/2010 19:50:17 Type: QC
Method: 6010B(v45) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	421.37	3791.8	3709.0	4322.5
Stddev	.70	11.5	4.0	8.4
%RSD	.16554	.30330	.10802	.19508
#1	421.87	3783.6	3711.9	4328.5
#2	420.88	3799.9	3706.2	4316.6

Sample Preparation – Metals

137114 , 137031

SAMPLE PREPARATION LOG
MERCURY

Identify Method: ILM04.1 (ILM05.4) 6009 EPA 245.1 SW-846 7470A SW-846 7471A
Identify Matrix: Soil (Water) Air Other

Date: 5/4/10
Analyst: ALS

SAMPLE PREPARATION:

Block ID: 7-8
Initial Temperature: 92
StartTime: 10.15
Stop Time: 1425
Final Temperature: 95
MS Spike Analyst ALS
MS Spike Witness N/A
mL added: .5

CAL / CCV / MS (100 ug/L)
Lot Number: MEHGCCV-00088

LCS
Tag ID: MEHGCCV-00088
Concentration Range: N/A mg/kg

ICV (30 ug/L)
Lot Number: MEHGICV-00005

Nitric Acid
Lot Number: MEHNO3-00006

Sulfuric Acid
Lot Number: ME Sulfuric-00007

Aqua Regia (SW-846 7471A Only)
Lot Number: N/A

Potassium Permanganate
Lot Number: ME 5% Perm 00006

Potassium Persulfate
Lot Number: ME 5% K Pers 00005

Hydroxylamine Hydrochloride
Lot Number: ME Hydrox HCl 00004

Stannous Chloride
Lot Number: ME 10% SnCl2 00006

[1]CRI is associated with ILM05.4
CRA is associated with ILM04.1

Cup #	Sequence ID	Laboratory ID	Volume or Mass (mL) or (g)	Final Volume (mL)
	S0	Blank	100 mL	50 mL
	S0.2	CAL 1 (0.2 ug/L)	0.10 mL	50 mL
	S0.5	CAL 2 (0.5 ug/L)	0.25 mL	50 mL
	S1	CAL 3 (1 ug/L)	0.50 mL	50 mL
	S5	CAL 4 (5 ug/L)	2.5 mL	50 mL
	S10	CAL 5 (10 ug/L)	5 mL	50 mL
1	ICV	ICV (3 ug/L)	5 mL	50 mL
2	ICB	ICB	50 mL	50 mL
3	CRI/CRA[1]	CRI	.10	50
4	CCV:1	CCV (5 ug/L)	2.5 mL	50 mL
5	CCB:1			
6		PBW050410A	50	50
7		LCSW050410A		
8		828421		
9		828422		
10		828423		
11		828425		
12		828426		
13		828427		
14		827723		
15	CCV:2			
16	CCB:2			
17		827724		
18		827725		
19		827726		
20		827728		
21		827729		
22		827731		
23		827733		
24		827734		
25		CRI		
26	CCV:3			
27	CCB:3			
28		827735		
29		827737		
30		827737MS		
31		827737DP		
32				
33				
34				
35				
36				
37	CCV:4			
38	CCB:4			
39				
40				
41				
42				
43				
44				

ALS 5/4/10

STANDARD TRACEABILTY RECORDS ICP-OES Instrument		
Date: 05/10/10		
Sequence ID	**Analyst**	**Analytical Method**
051010-01	BSA	☒ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
051010 - 02		☑ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
051010 - 03		☐ 6010 / 200.7 ☑ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
Standard Name	**Lot Number**	
Used for all methods		
STD 7:	MEStd7w 00012	
STD 8:	MEStd8w 00008	
STD 4:	MEStd4w 00012	
ICV:	MEICVw 00005	
CCV:	MECCVw 00014	
STD0/ICB/CCB/5%2% Rinse & Dilution:	ME 5%2% Rinse w 00015	
Internal Standard Solution:	MEICP7ISw 00007	
Used for methods 6010 & 200.7		
ICSA 6010:	ME6010ICSAw 00003	
ICSAB 6010:	ME6010ABw 00001	
CRI 6010:	ME6010CRIw 00006	
DOD LRV Solution:	MEDODLRVw 00004	
6010 Post Spiking Solution:	MESPIKE#1w 00008	
5 PPM AG:	MESPPMAGw 00003	
Used for method ILM05.4		
CRI ILM05.4:	MES.4AESCR1W00005	
ICSA ILM05.4:	MES.4ICSAw00004	
ICSAB ILM05.4:	MES.4ICSABw00001	
Used for method ISM01.2		
Calibration std 6:		
Calibration std 1-5 int/CCV:		
ICV:		
ICSA:		
ICSAB:		
Comments:		

BR-FME096:05.06.10:1
TestAmerica

137114, 137030

METALS DIGESTION LOG

IW

Batch Information:	Method Information:				Reagent & Standard Traceability:			
Date: 5/7/10	Digestion Method(s):	ILM04.1	ILM05.4		HCl Tag ID: N/A	mL	LCS Lot # MELCSWw-00004	
Start Time: 10.00	3005AES	3005MS	3010AES	3010MS	HNO_3 Tag ID ↓	mL	Spike Added 50.0	mL
Stop Time: 15.30	3050AES	3050MS	200.7	200.8_DW	1:1 HCl Lot # MEI1HCL-00003	10 mL	True Value See SOP	mg/L
Analyst: AW	TTMS	CEC	SAR		1:1 HNO_3 Lot # MEI1HNO3-00003	2 mL	MS Lot #: MEICPILMOES-00003	
Spike Analyst: AW	Matrix:				30% H_2O_2 Lot # N/A	mL	Spike Added 1.0	mL
Spike Witness: ML	Water	Soil	Tissue	Air	2% HNO_3 Lot # ↓	mL	True Value See SOP	mg/L

Lab ID	Bottle ID	Digestion[1] Amount	Final Volume	Before Digestion Color	Clarity	Texture	Artifacts	After Digestion Color	Clarity	Comments
PBW050710C		100	100							
LCSW050710C		↓	↓							
828421	A4			colorless	clear			colorless	clear	
828422	↓			↓	↓			↓	↓	
828425										
828426										
828427	↓									
827706	A7									
827708	↓			↓						
827711				Lt Yellow						
827712	↓			colorless						
827713	A2			↓						
827715	↓			Lt Yellow						
827717	A7			↓						
827717MS	↓									
827717DP										
827718	A17			colorless						
828423	A4	↓	↓	↓	↓			↓	↓	

AW 5/7/10

[1]Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temparture:

Block 1	~ °C	Block 3	~ °C	Block 5	95 °C	Block 7	~ °C
Block 2	~ °C	Block 4	~ °C	Block 6	95 °C	Block 8	~ °C



QC Summary – SOM01.2 Volatiles – Trace

2A - FORM II VOA-1
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	VBLKJC	101	108	76	92	92	94	94
02	TRIPBLK0429	100	105	76	93	92	95	93
03	TRIPBLK0428	98	105	75	93	90	90	93
04	FB100428	100	104	75	91	92	95	94
05	ISCOMW04DL	97	103	73	86	90	89	92
06	ISCOIW-06DL	96	102	73	93	92	91	92
07	ISCOIW-16DL	100	104	77	95	94	94	95
08	ISCOMW04	96	100	76	93	93	94	92
09	VBLKJD	98	101	74	84	88	91	93
10	ISCOIW-16	97	102	76	93	92	91	95
11	VIBLKJH	97	101	73	85	89	90	92
12	ISCOMW01DL	103	106	79	80	95	88	98
13	ISCOIW-05DL	99	104	76	86	91	89	96
14	ISCOMW01	94	98	74	91	89	87	93
15	VIBLKJI	99	103	75	91	90	89	93
16	ISCOIW-05	95	98	72	92	89	90	91
17	VIBLKJJ	97	102	75	92	89	89	92
18	ISCOIW-06	95	100	76	92	91	91	94
19	VBLKJE	100	102	76	93	92	91	95
20	VHBLK01	99	104	76	94	91	91	95
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		QC LIMITS
VDMC1	(VCL) = Vinyl chloride-d3	(65-131)
VDMC2	(CLA) = Chloroethane-d5	(71-131)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(55-104)
VDMC4	(BUT) = 2-Butanone-d5	(49-155)
VDMC5	(CLF) = Chloroform-d	(78-121)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN) = Benzene-d6	(77-124)

Column to be used to flag recovery values
* Values outside of contract required QC limits

2B - FORM II VOA-2
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA)#	VDMC9 (TOL)#	VDMC10 (TDP)#	VDMC11 (HEX)#	VDMC12 (TCA)#	VDMC13 (DCZ)#	VDMC14 ( )#	TOT OUT
01	VBLKJC	82	95	87	78	88	92		0
02	TRIPBLK0429	82	94	88	79	90	92		0
03	TRIPBLK0428	81	93	87	79	87	88		0
04	FB100428	83	95	88	78	89	93		0
05	ISCOMW04DL	80	92	85	77	86	89		0
06	ISCOIW-06DL	81	92	84	83	84	88		0
07	ISCOIW-16DL	86	94	89	84	89	91		0
08	ISCOMW04	79	91	88	85	87	91		0
09	VBLKJD	80	92	85	76	81	88		0
10	ISCOIW-16	81	96	88	86	87	89		0
11	VIBLKJH	80	94	84	79	87	89		0
12	ISCOMW01DL	84	99	87	73	81	87		0
13	ISCOIW-05DL	82	95	87	80	86	91		0
14	ISCOMW01	79	94	88	90	86	89		0
15	VIBLKJI	81	93	86	81	87	89		0
16	ISCOIW-05	78*	92	88	89	85	88		1
17	VIBLKJJ	80	93	83	81	81	91		0
18	ISCOIW-06	78*	94	87	86	87	90		1
19	VBLKJE	84	95	91	84	89	93		0
20	VHBLK01	84	96	88	83	91	92		0
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

	QC LIMITS
VDMC8 (DPA) = 1,2-Dichloropropane-d6	(79-124)
VDMC9 (TOL) = Toluene-d8	(77-121)
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4	(73-121)
VDMC11 (HEX) = 2-Hexanone-d5	(28-135)
VDMC12 (TCA) = 1,1,2,2-Tetrachloroethane-d2	(73-125)
VDMC13 (DCZ) = 1,2-Dichlorobenzene-d4	(80-131)

Column to be used to flag recovery values
* Values outside of contract required QC limits

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKJC

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Lab File ID: JAQB01U Lab Sample ID: VBLKJC

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 04/30/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1716

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIPBLK0429	828424	828424	2226
02	TRIPBLK0428	828428	828428	2255
03	FB100428	828423	828423	2324
04	ISCOMW04DL	828421D1	828421D	2353
05	ISCOIW-06DL	828426D1	828426D	0121
06	ISCOIW-16DL	828427D1	828427D	0150
07	ISCOMW04	828421	828421D2	0220
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
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26				
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28				
29				
30				

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKJD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Lab File ID: JAQB02V Lab Sample ID: VBLKJD

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 05/01/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1110

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ISCOIW-16	828427	828427D2	1256
02	VIBLKJH	VIBLKJH	JAQB04V	1324
03	ISCOMW01DL	828422D1	828422D2	1417
04	ISCOIW-05DL	828425D1	828425D2	1445
05	ISCOMW01	828422	828422D3	1514
06	VIBLKJI	VIBLKJI	JAQB05V	1544
07	ISCOIW-05	828425	828425D3	1614
08	VIBLKJJ	VIBLKJJ	JAQB06V	1643
09	ISCOIW-06	828426	828426D3	1712
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
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27				
28				
29				
30				

COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKJE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Lab File ID: JAQB03W Lab Sample ID: VBLKJE

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 05/03/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 0916

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	828429	828429	1448
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
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25				
26				
27				
28				
29				
30				

COMMENTS:

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBJG

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Lab File ID: JAQ01PV BFB Injection Date: 04/05/2010

Instrument ID: J.i BFB Injection Time: 1223

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.0
75	30.0 - 80.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	66.9
175	5.0 - 9.0% of mass 174	6.0 (8.9)1
176	95.0 - 101.0% of mass 174	66.3 (99.2)1
177	5.0 - 9.0% of mass 176	4.5 (6.8)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.5JG	VSTD0.5JG	JAQ0005V	04/05/2010	1318
02	VSTD001JG	VSTD001JG	JAQ001V	04/05/2010	1345
03	VSTD005JG	VSTD005JG	JAQ005V	04/05/2010	1412
04	VSTD010JG	VSTD010JG	JAQ010V	04/05/2010	1438
05	VSTD020JG	VSTD020JG	JAQ020V	04/05/2010	1505
06					
07					
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22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBJC

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Lab File ID: JAQ35PV BFB Injection Date: 04/30/2010

Instrument ID: J.i BFB Injection Time: 1626

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.0
75	30.0 - 80.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.8 (7.7)1
176	95.0 - 101.0% of mass 174	72.6 (96.6)1
177	5.0 - 9.0% of mass 176	4.2 (5.8)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005JC	VSTD005JC	JAQ005UV	04/30/2010	1647
02	VBLKJC	VBLKJC	JAQB01U	04/30/2010	1716
03	TRIPBLK0429	828424	828424	04/30/2010	2226
04	TRIPBLK0428	828428	828428	04/30/2010	2255
05	FB100428	828423	828423	04/30/2010	2324
06	ISCOMW04DL	828421D1	828421D	04/30/2010	2353
07	ISCOIW-06DL	828426D1	828426D	05/01/2010	0121
08	ISCOIW-16DL	828427D1	828427D	05/01/2010	0150
09	ISCOMW04	828421	828421D2	05/01/2010	0220
10	VSTD005CJ	VSTD005CJ	JAQ05UC1	05/01/2010	0318
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBJD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Lab File ID: JAQ37PV BFB Injection Date: 05/01/2010

Instrument ID: J.i BFB Injection Time: 0949

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
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	0.6 (0.9)1
174	50.0 - 120.0% of mass 95	69.5
175	5.0 - 9.0% of mass 174	6.0 (8.6)1
176	95.0 - 101.0% of mass 174	67.9 (97.6)1
177	5.0 - 9.0% of mass 176	5.0 (7.3)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005JD	VSTD005JD	JAQ005VV	05/01/2010	1041
02	VBLKJD	VBLKJD	JAQB02V	05/01/2010	1110
03	ISCOIW-16	828427	828427D2	05/01/2010	1256
04	VIBLKJH	VIBLKJH	JAQB04V	05/01/2010	1324
05	ISCOMW01DL	828422D1	828422D2	05/01/2010	1417
06	ISCOIW-05DL	828425D1	828425D2	05/01/2010	1445
07	ISCOMW01	828422	828422D3	05/01/2010	1514
08	VIBLKJI	VIBLKJI	JAQB05V	05/01/2010	1544
09	ISCOIW-05	828425	828425D3	05/01/2010	1614
10	VIBLKJJ	VIBLKJJ	JAQB06V	05/01/2010	1643
11	ISCOIW-06	828426	828426D3	05/01/2010	1712
12	VSTD005DJ	VSTD005DJ	JAQ05VC1	05/01/2010	1811
13					
14					
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19					
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21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBJE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Lab File ID: JAQ41PV BFB Injection Date: 05/03/2010

Instrument ID: J.i BFB Injection Time: 0727

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 80.0% of mass 95	46.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.7 (7.6)1
176	95.0 - 101.0% of mass 174	71.7 (95.9)1
177	5.0 - 9.0% of mass 176	4.6 (6.4)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005JE	VSTD005JE	JAQ005WV	05/03/2010	0846
02	VBLKJE	VBLKJE	JAQB03W	05/03/2010	0916
03	VHBLK01	828429	828429	05/03/2010	1448
04	VSTD005EJ	VSTD005EJ	JAQ05WC1	05/03/2010	1658
05					
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20					
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22					

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JC Date Analyzed: 04/30/2010

Lab File ID (Standard): JAQ005UV Time Analyzed: 1647

Instrument ID: J.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	IS1(CBZ) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	731298	9.05	976398	5.68	300003	11.89
	UPPER LIMIT	1023817	9.38	1366957	6.01	420004	12.22
	LOWER LIMIT	438779	8.72	585839	5.34	180002	11.55
	EPA SAMPLE NO.						
01	VBLKJC	712786	9.05	912837	5.68	289100	11.89
02	TRIPBLK0429	711926	9.05	916767	5.68	294933	11.89
03	TRIPBLK0428	700864	9.05	899498	5.68	292957	11.89
04	FB100428	700033	9.05	905677	5.67	284019	11.89
05	ISCOMW04DL	693858	9.05	900787	5.68	284871	11.89
06	ISCOIW-06DL	695703	9.05	892028	5.68	285408	11.89
07	ISCOIW-16DL	686136	9.05	887350	5.68	282106	11.89
08	ISCOMW04	716780	9.05	906752	5.68	296124	11.89
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JD Date Analyzed: 05/01/2010

Lab File ID (Standard): JAQ005VV Time Analyzed: 1041

Instrument ID: J.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	733145	9.05	948427	5.67	319141	11.89
	UPPER LIMIT	1026403	9.38	1327798	6.01	446797	12.22
	LOWER LIMIT	439887	8.72	569056	5.34	191485	11.55
	EPA SAMPLE NO.						
01	VBLKJD	726010	9.05	943122	5.67	297137	11.89
02	ISCOIW-16	695231	9.05	910080	5.68	291522	11.89
03	VIBLKJH	721861	9.05	939810	5.67	295001	11.89
04	ISCOMW01DL	739341	9.05	968652	5.68	298667	11.89
05	ISCOIW-05DL	702153	9.05	922122	5.67	288489	11.89
06	ISCOMW01	716700	9.05	941565	5.68	300189	11.89
07	VIBLKJI	725730	9.05	939415	5.67	298475	11.89
08	ISCOIW-05	721308	9.05	940712	5.67	301533	11.89
09	VIBLKJJ	720074	9.05	923964	5.68	294134	11.89
10	ISCOIW-06	741808	9.05	961249	5.68	305524	11.89
11							
12							
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21							
22							

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

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JE Date Analyzed: 05/03/2010

Lab File ID (Standard): JAQ005WV Time Analyzed: 0846

Instrument ID: J.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	IS1(CBZ) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	700117	9.06	913728	5.68	290996	11.89
	UPPER LIMIT	980164	9.39	1279219	6.01	407394	12.22
	LOWER LIMIT	420070	8.72	548237	5.34	174598	11.55
	EPA SAMPLE NO.						
01	VBLKJE	709623	9.05	931231	5.68	287257	11.89
02	VHBLK01	678117	9.05	890759	5.67	279478	11.89
03							
04							
05							
06							
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15							
16							
17							
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

Supportive Documentation – SOM01.2
Volatiles – Trace

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB100428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828423

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828423

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.25	J
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB100428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828423

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828423

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
FB100428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828423

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828423

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

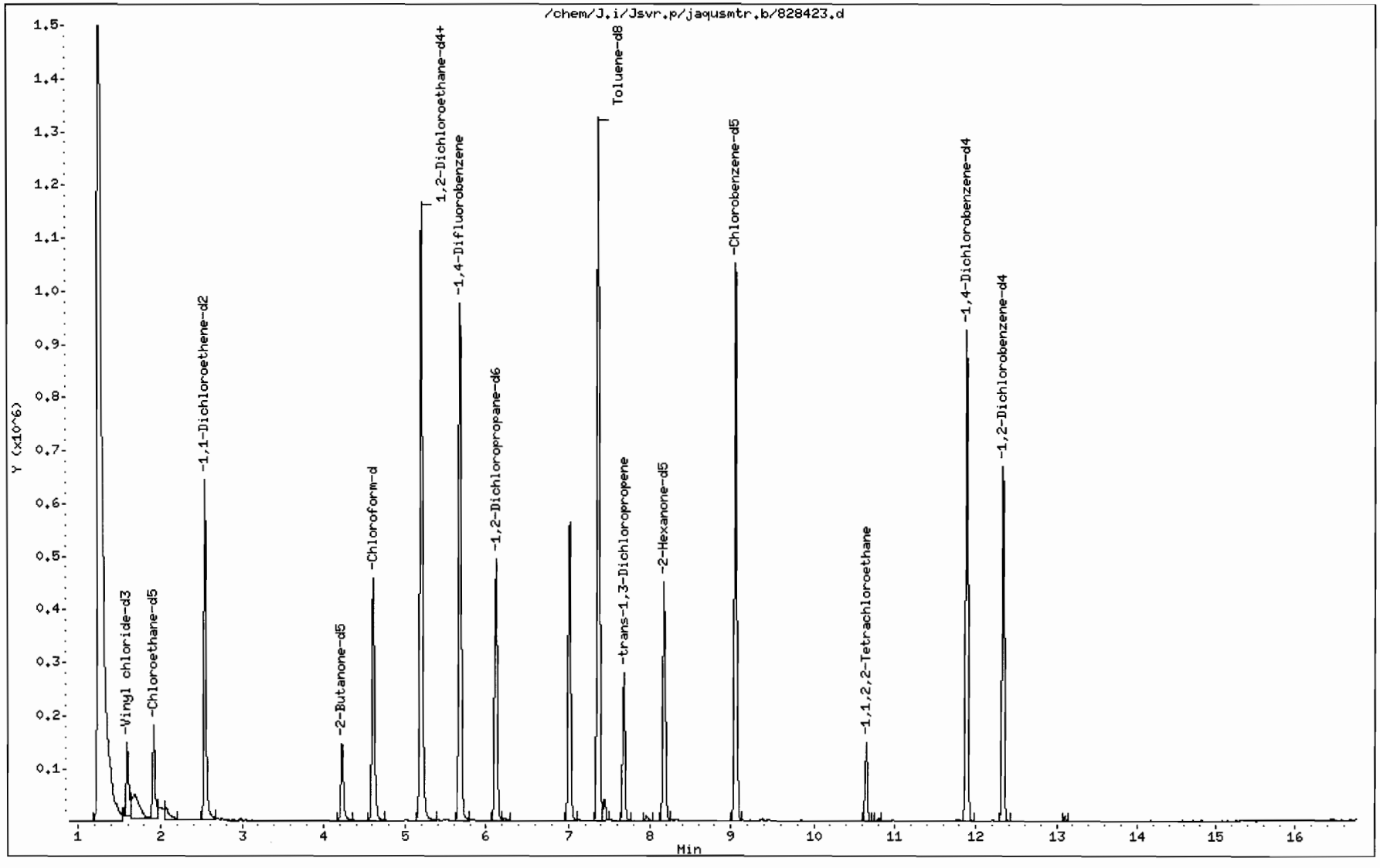
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.8	JXB
02					
03					
04					
05					
06					
07					
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28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828423.d
Date : 30-APR-2010 23:24
Client ID: FB100428
Sample Info: FB 100428 :[ ]04/28/10 @1630(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828423.d
Lab Smp Id: 828423 Client Smp ID: FB100428
Inj Date : 30-APR-2010 23:24
Operator : JP1 Inst ID: J.i
Smp Info : FB 100428 :[ ]04/28/10 @1630(WATER)
Misc Info : 828423,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	371089	4.98277	5.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	293175	5.21940	5.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	466002	3.76763	3.8
	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	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.227	(0.745)	221221	45.4300	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	4.604	4.604	(0.811)	449540	4.59014	4.6
	24 Chloroform	83	4.629	4.629	(0.816)	23036	0.25415	0.25(a)
	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	5.182	5.182	(0.913)	145255	4.74657	4.7
$	29 Benzene-d6	84	5.194	5.195	(0.574)	1162405	4.71864	4.7
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	905677	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	290365	4.15566	4.2
	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	7.360	7.360	(0.813)	1049217	4.73265	4.7
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.671	(0.847)	191496	4.39029	4.4
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	182710	39.2278	39
	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	9.051	9.052	(1.000)	700033	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	94882	4.47447	4.5
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	284019	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.325	(1.037)	202823	4.67230	4.7
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

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828423.d
Lab Smp Id: 828423 Client Smp ID: FB100428
Inj Date : 30-APR-2010 23:24
Operator : JP1 Inst ID: J.i
Smp Info : FB 100428 :[ ]04/28/10 @1630(WATER)
Misc Info : 828423,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2036447	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.013	1144930	2.81109632	2.8	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828423.d

Date : 30-APR-2010 23:24

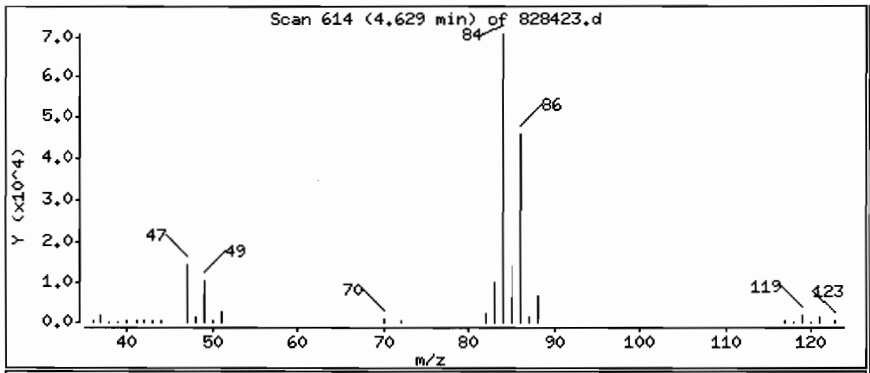
Client ID: FB100428 Instrument: J.i

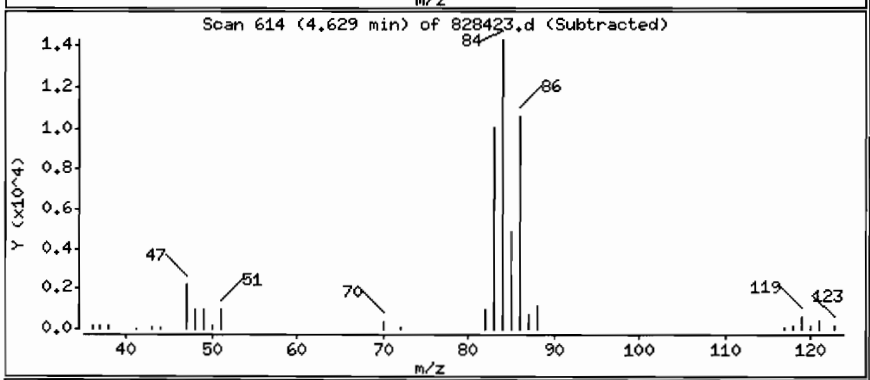
Sample Info: FB 100428 :[ ]04/28/10 @1630(WATER)

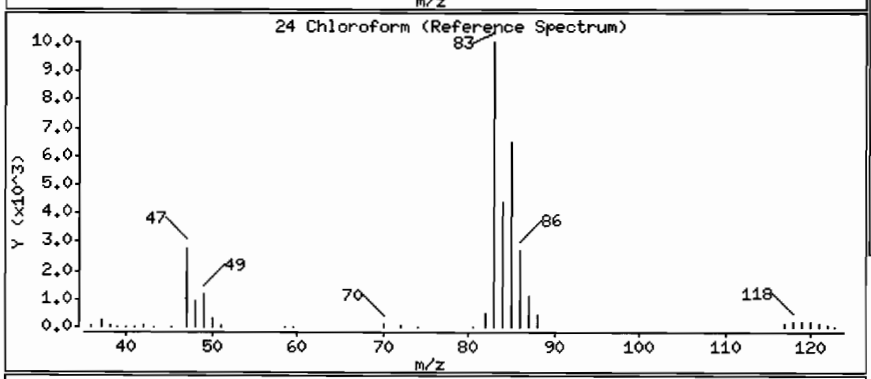
Purge Volume: 25.0 Operator: JP1

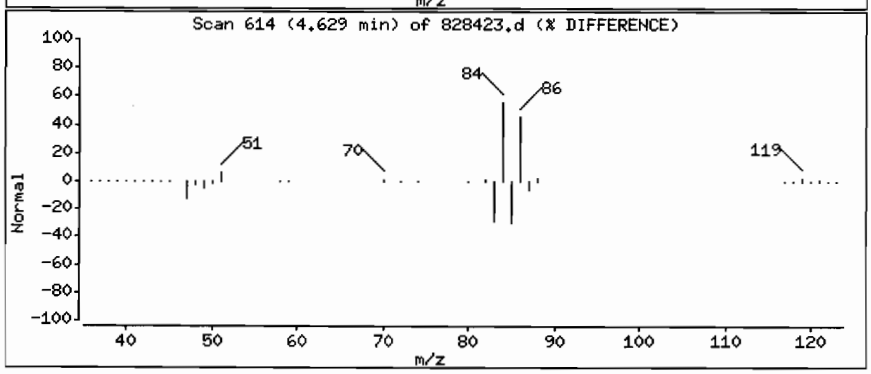
Column phase: DB-624 Column diameter: 0.53

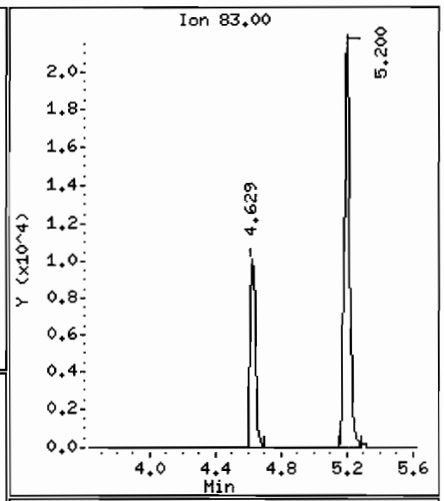
24 Chloroform Concentration: 0.25 ug/L

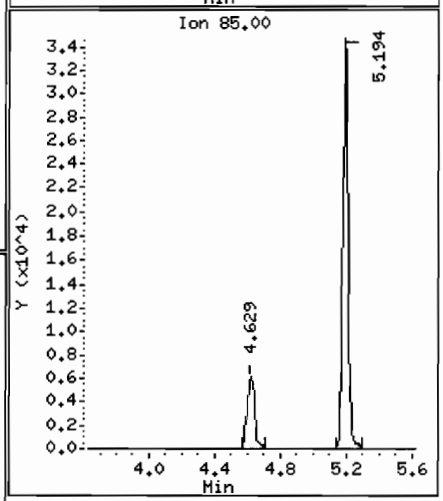












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828423.d

Date : 30-APR-2010 23:24

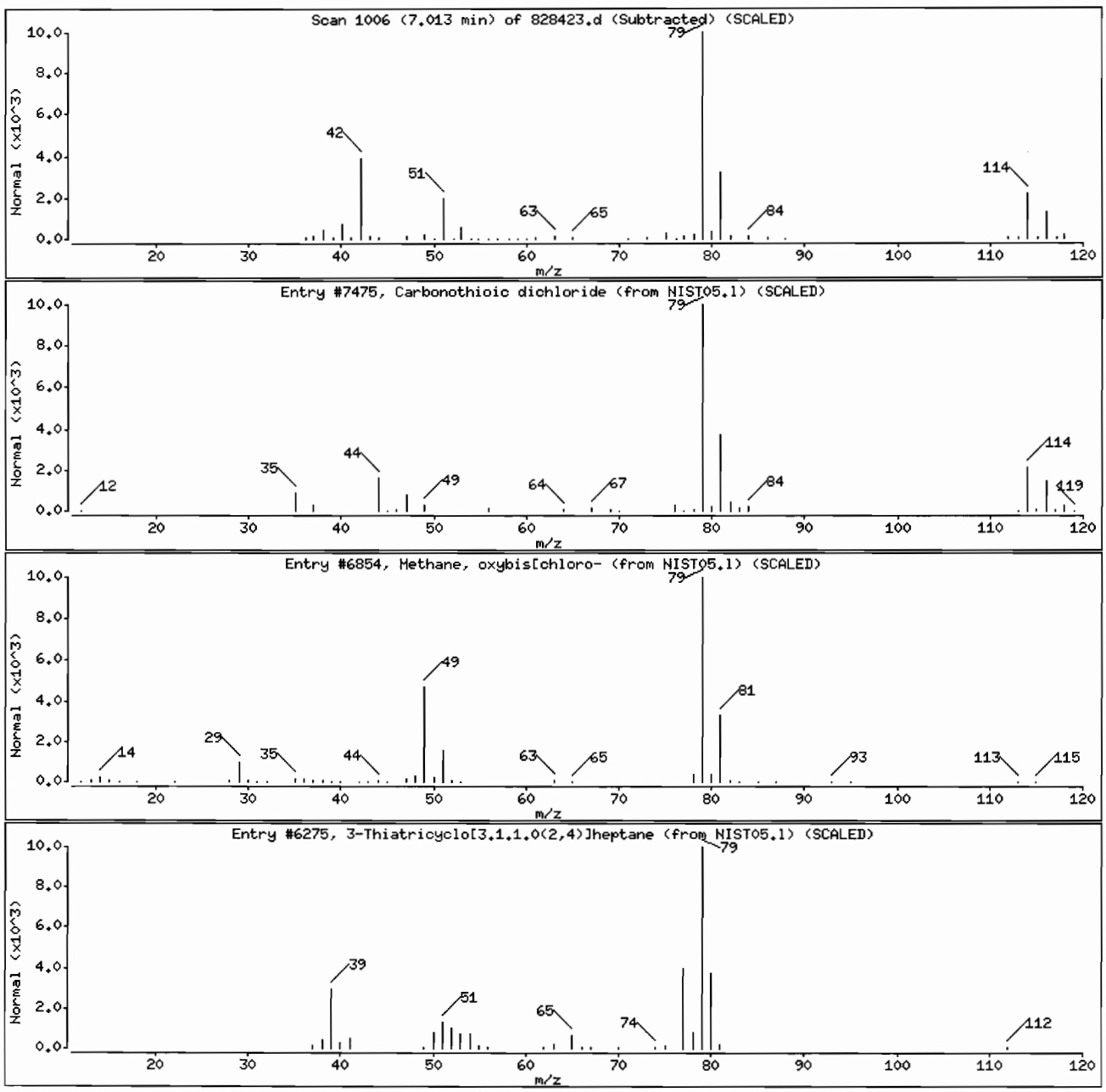
Client ID: FB100428 Instrument: J.i

Sample Info: FB 100428 :[04/28/10 @1630(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-05

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D3

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 6.7

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	3.4	U
74-87-3	Chloromethane	3.4	U
75-01-4	Vinyl chloride	3.4	U
74-83-9	Bromomethane	3.4	U
75-00-3	Chloroethane	3.4	U
75-69-4	Trichlorofluoromethane	3.4	U
75-35-4	1,1-Dichloroethene	3.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	3.4	U
67-64-1	Acetone	34	U
75-15-0	Carbon disulfide	3.4	U
79-20-9	Methyl acetate	3.4	U
75-09-2	Methylene chloride	3.4	U
156-60-5	trans-1,2-Dichloroethene	3.4	U
1634-04-4	Methyl tert-butyl ether	3.4	U
75-34-3	1,1-Dichloroethane	3.4	U
156-59-2	cis-1,2-Dichloroethene	2.1	J
78-93-3	2-Butanone	34	U
74-97-5	Bromochloromethane	3.4	U
67-66-3	Chloroform	3.4	U
71-55-6	1,1,1-Trichloroethane	3.4	U
110-82-7	Cyclohexane	3.4	U
56-23-5	Carbon tetrachloride	3.4	U
71-43-2	Benzene	3.4	U
107-06-2	1,2-Dichloroethane	3.4	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-05

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D3

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 6.7

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	980	E
108-87-2	Methylcyclohexane	3.4	U
78-87-5	1,2-Dichloropropane	3.4	U
75-27-4	Bromodichloromethane	3.4	U
10061-01-5	cis-1,3-Dichloropropene	3.4	U
108-10-1	4-Methyl-2-pentanone	34	U
108-88-3	Toluene	3.4	U
10061-02-6	trans-1,3-Dichloropropene	3.4	U
79-00-5	1,1,2-Trichloroethane	3.4	U
127-18-4	Tetrachloroethene	6.0	
591-78-6	2-Hexanone	34	U
124-48-1	Dibromochloromethane	3.4	U
106-93-4	1,2-Dibromoethane	3.4	U
108-90-7	Chlorobenzene	3.4	U
100-41-4	Ethylbenzene	3.4	U
95-47-6	o-Xylene	3.4	U
179601-23-1	m,p-Xylene	3.4	U
100-42-5	Styrene	3.4	U
75-25-2	Bromoform	3.4	U
98-82-8	Isopropylbenzene	3.4	U
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U
541-73-1	1,3-Dichlorobenzene	3.4	U
106-46-7	1,4-Dichlorobenzene	3.4	U
95-50-1	1,2-Dichlorobenzene	3.4	U
96-12-8	1,2-Dibromo-3-chloropropane	3.4	U
120-82-1	1,2,4-Trichlorobenzene	3.4	U
87-61-6	1,2,3-Trichlorobenzene	3.4	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOIW-05

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D3

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 6.7

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	18	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d3.d
Date : 01-MAY-2010 16:14
Client ID: ISCOIW-05
Sample Info: ISCO IW-05 :[04/28/10 @1145(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53

/chem/J.i/Jsvr.p/jaqvsmtr.b/828425d3.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d3.d
Lab Smp Id: 828425 Client Smp ID: ISCOIW-05
Inj Date : 01-MAY-2010 16:14
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-05 :[ ]04/28/10 @1145(WATER)
Misc Info : 828425,050110JD,6.7,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 6.70000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	6.70000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	365969	4.73101	4.7
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	285251	4.88920	4.9
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	464904	3.61877	3.6
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	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.233	4.233	(0.746)	233621	46.1897	46
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	18806	0.31681	2.1(a)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.610	4.610	(0.812)	452267	4.44600	4.4
	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	5.182	5.182	(0.913)	142645	4.48768	4.5
$	29 Benzene-d6	84	5.200	5.200	(0.575)	1155872	4.55372	4.6
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	940712	5.00000	
	33 Trichloroethene	95	5.967	5.961	(0.659)	8992064	146.065	980(A)
$	34 1,2-Dichloropropane-d6	67	6.125	6.119	(0.677)	281506	3.91004	3.9(R)
	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	7.360	7.360	(0.813)	1046512	4.58122	4.6
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.670	(0.847)	198545	4.41764	4.4
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.072	8.066	(0.892)	44144	0.90084	6.0
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	212821	44.3449	44
	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	9.051	9.051	(1.000)	721308	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	92774	4.24602	4.2
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	301533	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	202093	4.38508	4.4(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).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d3.d
Lab Smp Id: 828425 Client Smp ID: ISCOIW-05
Inj Date : 01-MAY-2010 16:14
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-05 :[ ]04/28/10 @1145(WATER)
Misc Info : 828425,050110JD,6.7,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 6.70000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	6.70000	Dilution Factor
X	25.00000	method volume 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	5.675	2101952	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.013	1160046	2.75944710	18	0	0		32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d3.d

Date : 01-MAY-2010 16:14

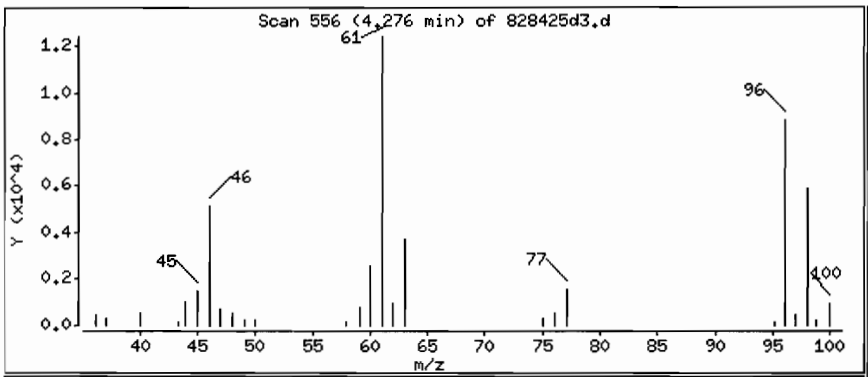
Client ID: ISCOIW-05 Instrument: J.i

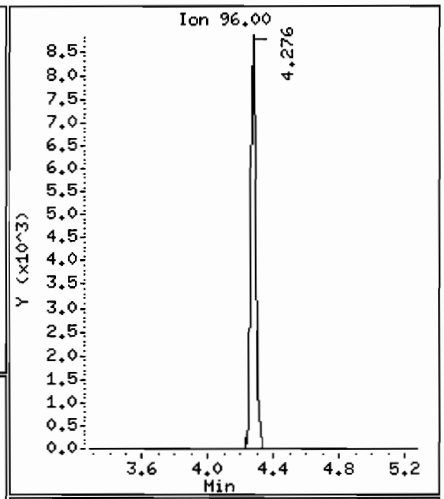
Sample Info: ISCO IW-05 :[ ]04/28/10 @1145(WATER)

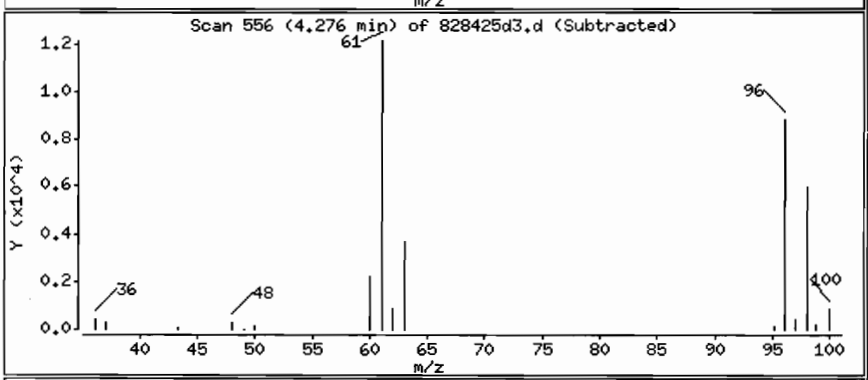
Purge Volume: 25.0 Operator: JP1

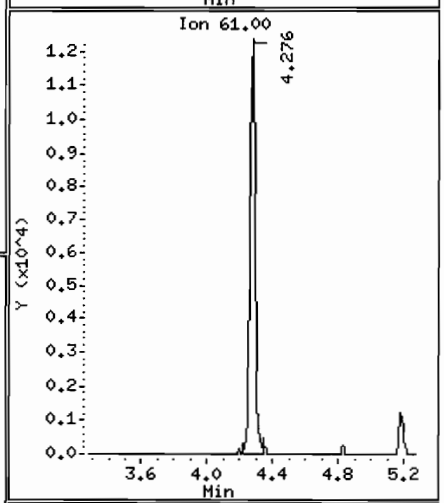
Column phase: DB-624 Column diameter: 0.53

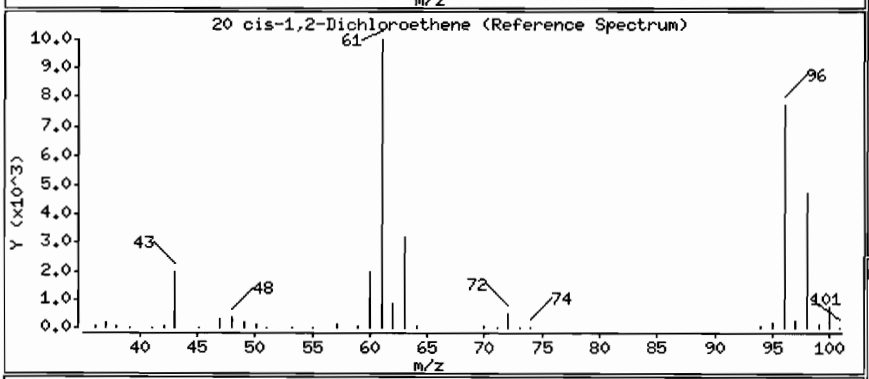
20 cis-1,2-Dichloroethene Concentration: 2.1 ug/L

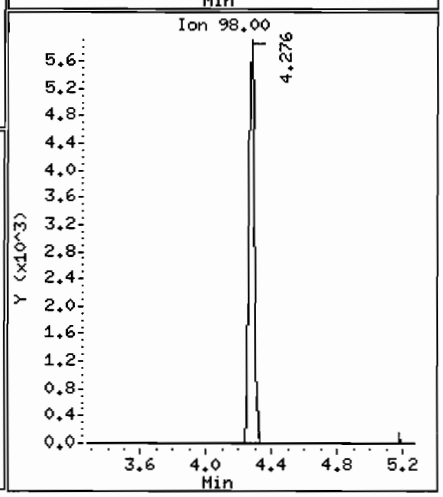


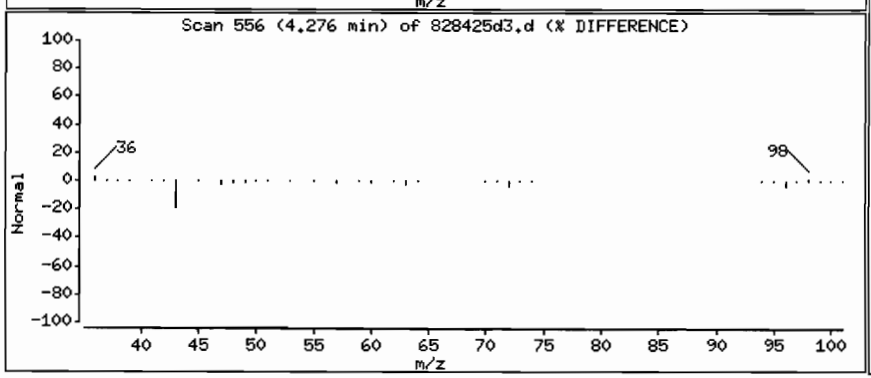












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d3.d

Date : 01-MAY-2010 16:14

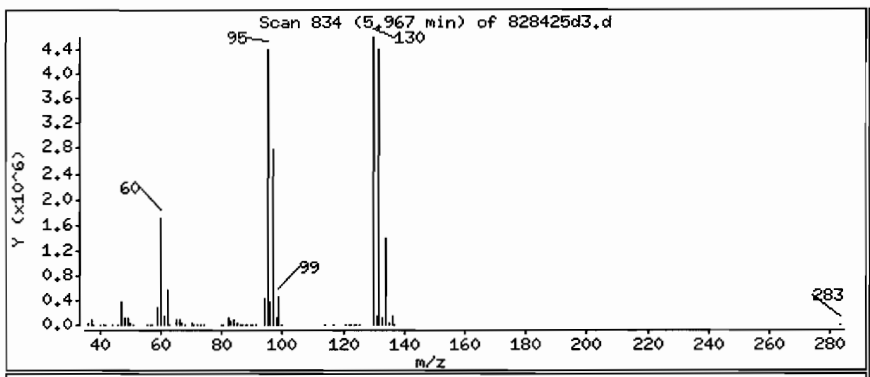
Client ID: ISCOIW-05 Instrument: J.i

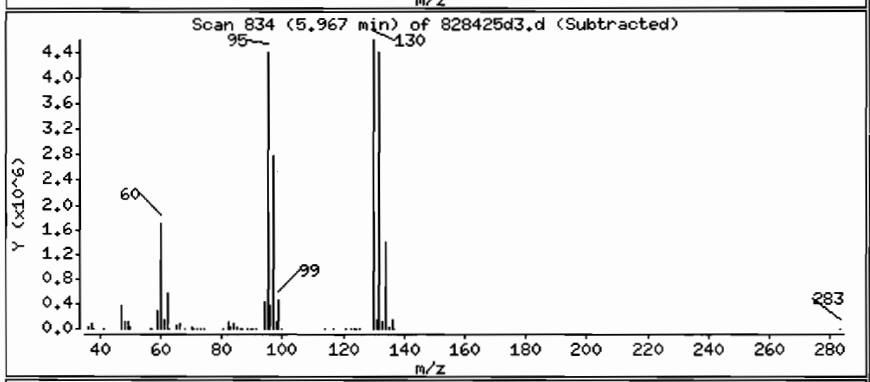
Sample Info: ISCO IW-05 :[ ]04/28/10 @1145(WATER)

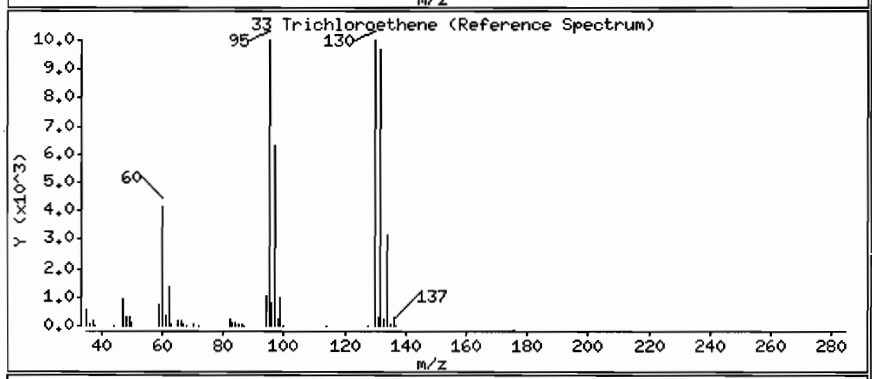
Purge Volume: 25.0 Operator: JP1

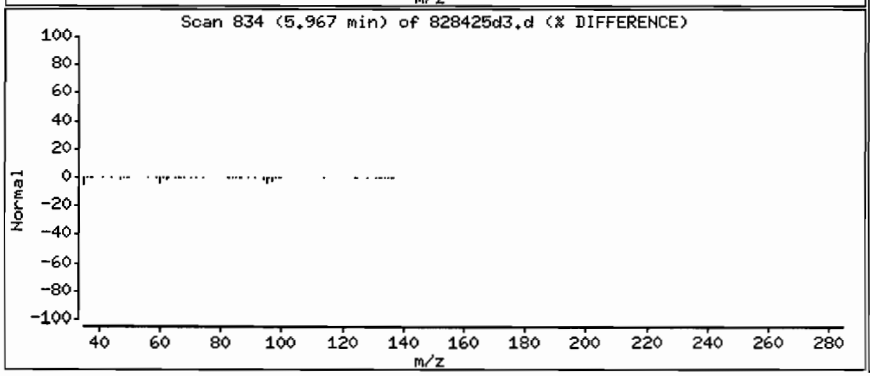
Column phase: DB-624 Column diameter: 0.53

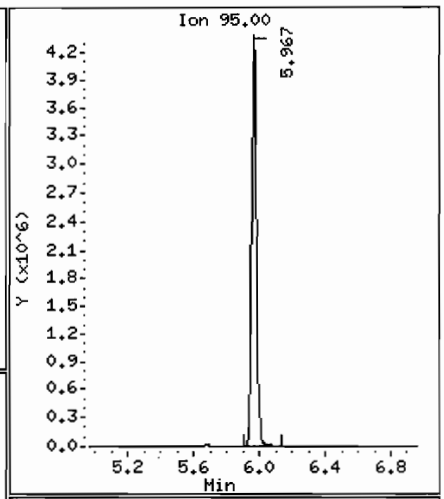
33 Trichloroethene Concentration: 980 ug/L

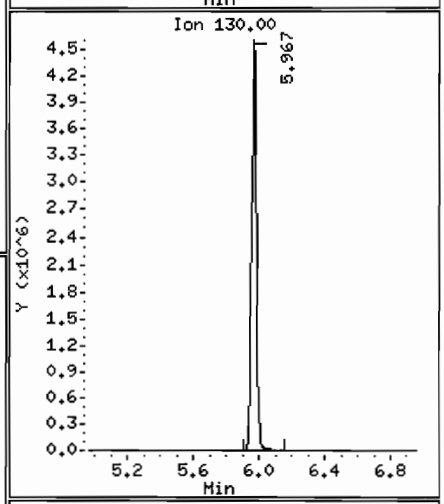


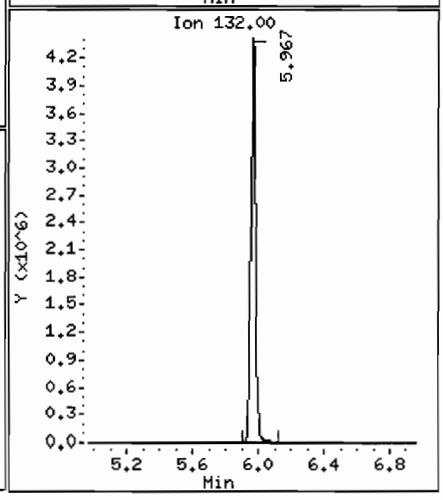












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d3.d

Date : 01-MAY-2010 16:14

Client ID: ISCOIW-05

Instrument: J.i

Sample Info: ISCO IW-05 :[ ]04/28/10 @1145(WATER)

Purge Volume: 25.0

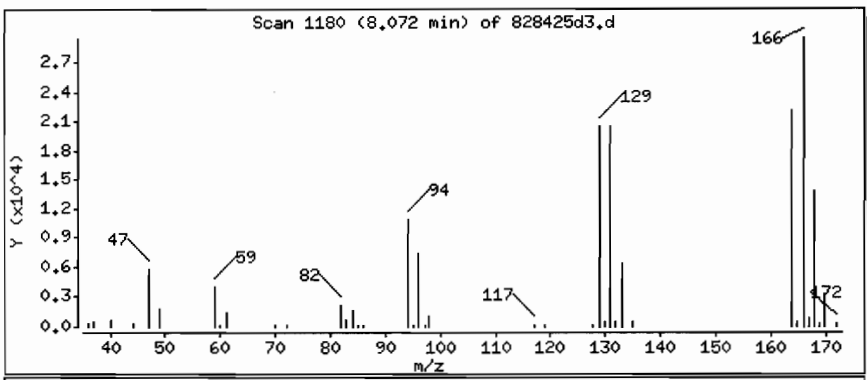
Operator: JP1

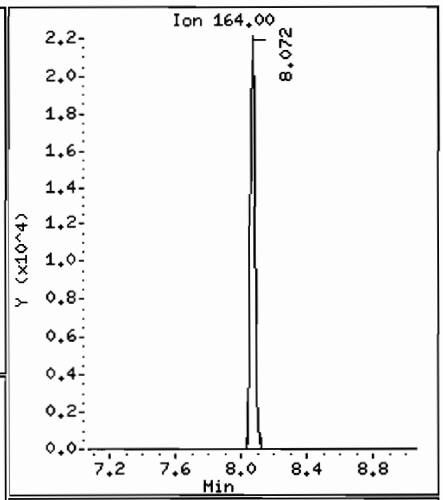
Column phase: DB-624

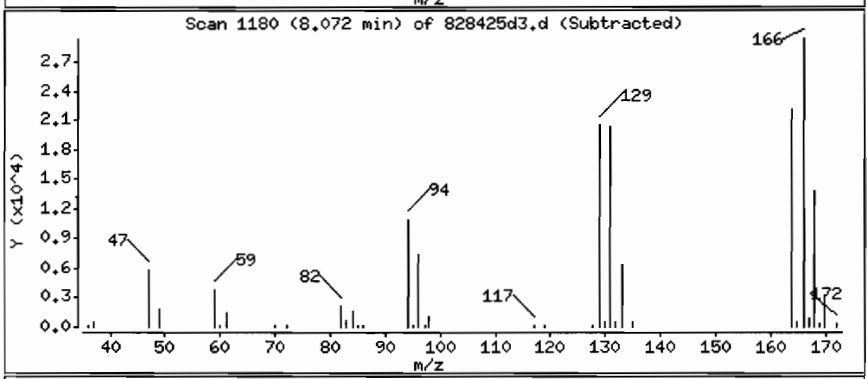
Column diameter: 0.53

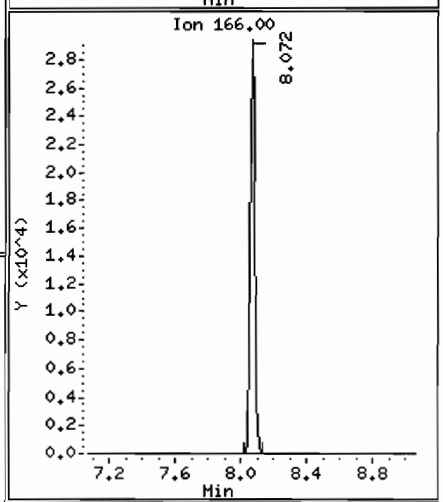
45 Tetrachloroethene

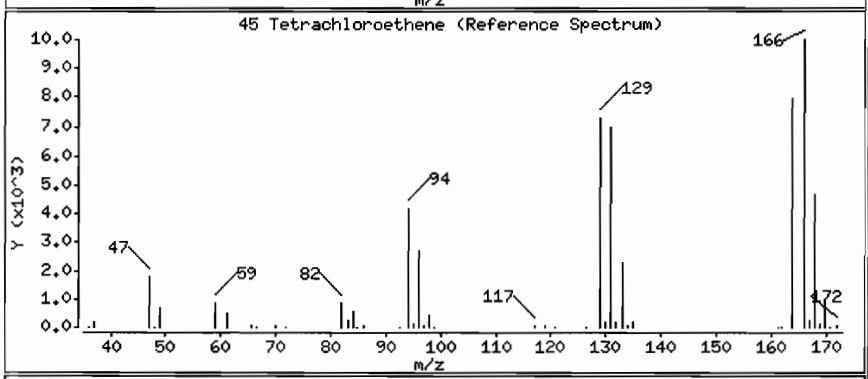
Concentration: 6.0 ug/L

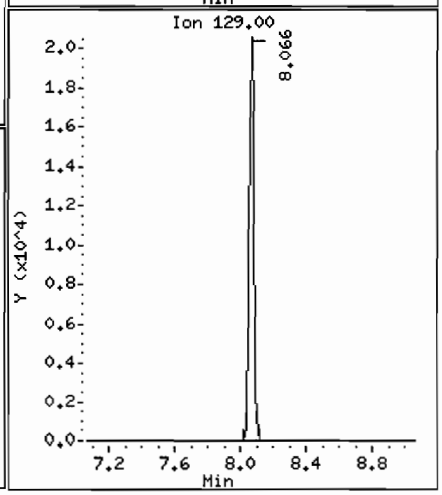


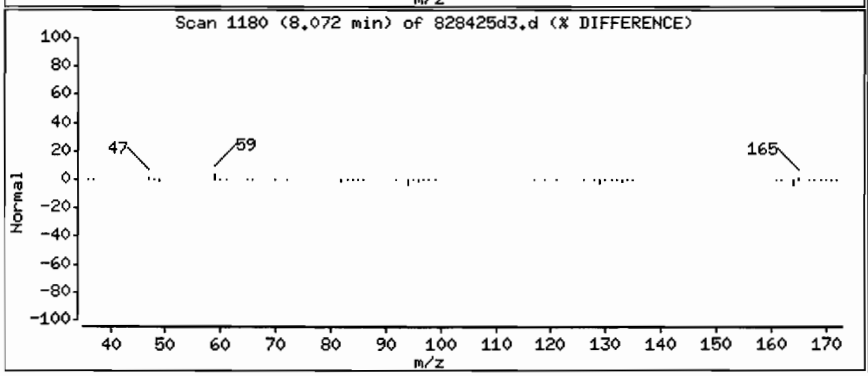












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d3.d

Date : 01-MAY-2010 16:14

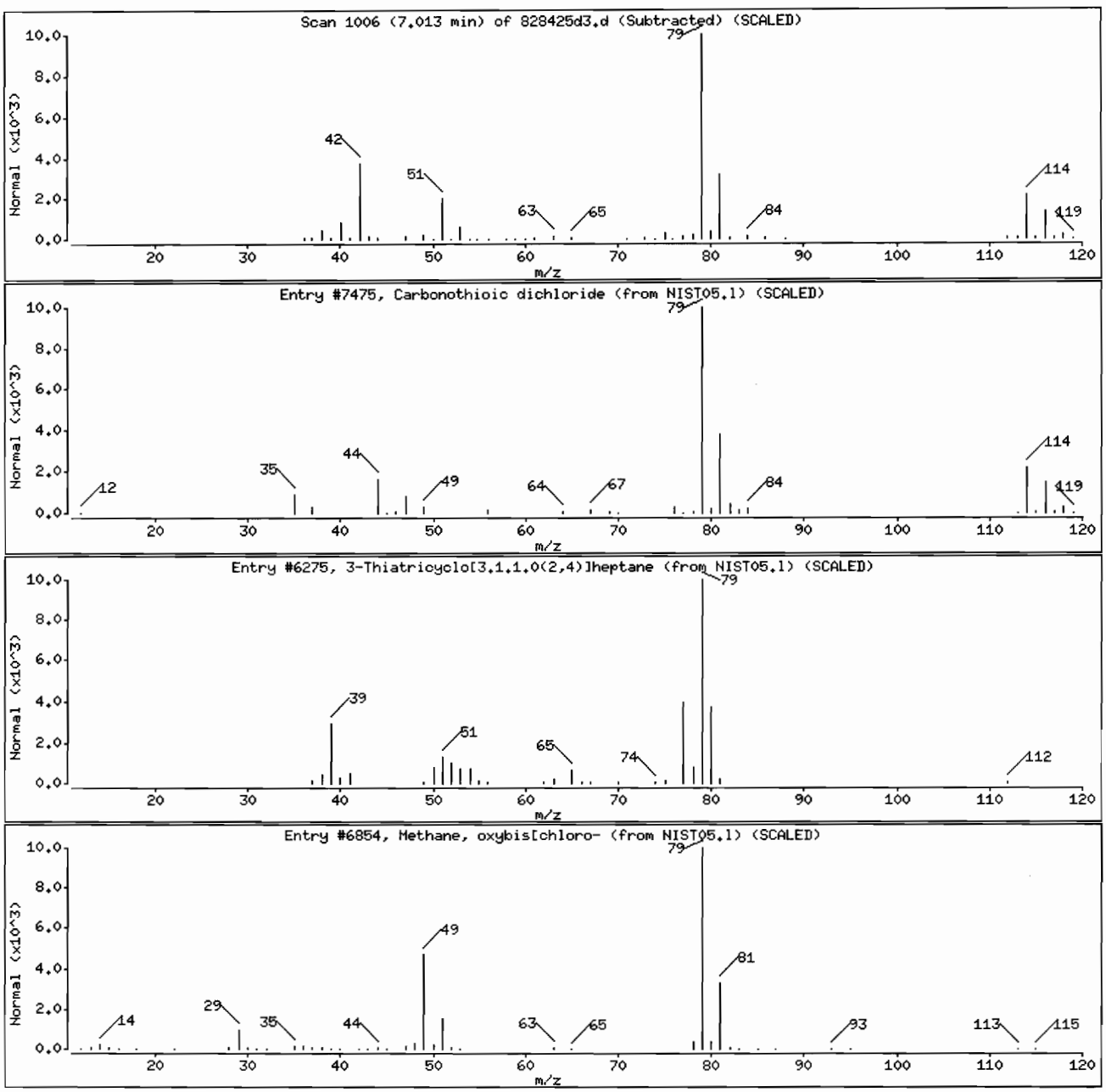
Client ID: ISCOIW-05 Instrument: J.i

Sample Info: ISCO IW-05 :[J04/28/10 @1145(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	58	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	37	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	33	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D2

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 76.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	38	U
74-87-3	Chloromethane	38	U
75-01-4	Vinyl chloride	38	U
74-83-9	Bromomethane	38	U
75-00-3	Chloroethane	38	U
75-69-4	Trichlorofluoromethane	38	U
75-35-4	1,1-Dichloroethene	38	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	38	U
67-64-1	Acetone	380	U
75-15-0	Carbon disulfide	38	U
79-20-9	Methyl acetate	38	U
75-09-2	Methylene chloride	38	U
156-60-5	trans-1,2-Dichloroethene	38	U
1634-04-4	Methyl tert-butyl ether	38	U
75-34-3	1,1-Dichloroethane	38	U
156-59-2	cis-1,2-Dichloroethene	38	U
78-93-3	2-Butanone	380	U
74-97-5	Bromochloromethane	38	U
67-66-3	Chloroform	38	U
71-55-6	1,1,1-Trichloroethane	38	U
110-82-7	Cyclohexane	38	U
56-23-5	Carbon tetrachloride	38	U
71-43-2	Benzene	38	U
107-06-2	1,2-Dichloroethane	38	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D2

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 76.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	1000	D
108-87-2	Methylcyclohexane	38	U
78-87-5	1,2-Dichloropropane	38	U
75-27-4	Bromodichloromethane	38	U
10061-01-5	cis-1,3-Dichloropropene	38	U
108-10-1	4-Methyl-2-pentanone	380	U
108-88-3	Toluene	38	U
10061-02-6	trans-1,3-Dichloropropene	38	U
79-00-5	1,1,2-Trichloroethane	38	U
127-18-4	Tetrachloroethene	38	U
591-78-6	2-Hexanone	380	U
124-48-1	Dibromochloromethane	38	U
106-93-4	1,2-Dibromoethane	38	U
108-90-7	Chlorobenzene	38	U
100-41-4	Ethylbenzene	38	U
95-47-6	o-Xylene	38	U
179601-23-1	m,p-Xylene	38	U
100-42-5	Styrene	38	U
75-25-2	Bromoform	38	U
98-82-8	Isopropylbenzene	38	U
79-34-5	1,1,2,2-Tetrachloroethane	38	U
541-73-1	1,3-Dichlorobenzene	38	U
106-46-7	1,4-Dichlorobenzene	38	U
95-50-1	1,2-Dichlorobenzene	38	U
96-12-8	1,2-Dibromo-3-chloropropane	38	U
120-82-1	1,2,4-Trichlorobenzene	38	U
87-61-6	1,2,3-Trichlorobenzene	38	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOIW-05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828425D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828425D2

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 76.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

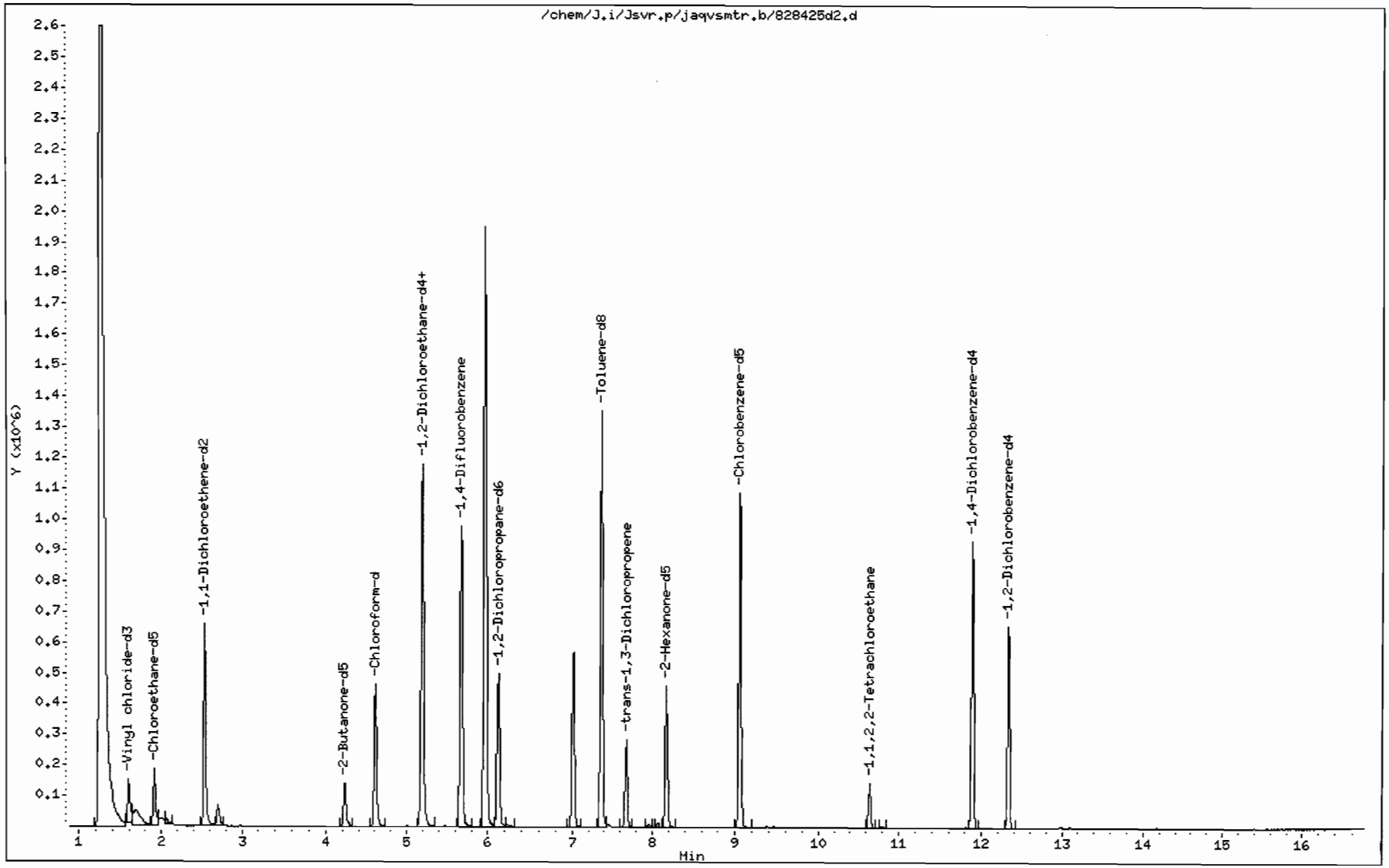
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	220	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d2.d
Date : 01-MAY-2010 14:45
Client ID: ISCOIW-05DL
Sample Info: ISCO IW-05DL :[ ]04/28/10 @1145(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d2.d
Lab Smp Id: 828425D1 Client Smp ID: ISCOIW-05DL
Inj Date : 01-MAY-2010 14:45
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-05DL :[ ]04/28/10 @1145(WATER)
Misc Info : 828425D1,050110JD,76.5,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 76.50000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	76.50000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	CONCENTRATIONS FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	374920	4.94443	4.9(a)
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	297495	5.20185	5.2(a)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	475556	3.77631	3.8(a)
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	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.233	(0.745)	212774	42.9161	43(a)
	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	4.604	4.610	(0.811)	451801	4.53096	4.5(a)
	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	5.182	5.182	(0.913)	139346	4.47227	4.5(a)
$	29 Benzene-d6	84	5.194	5.200	(0.574)	1185530	4.79798	4.8(a)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	922122	5.00000	
	33 Trichloroethene	95	5.961	5.961	(0.659)	779686	13.0105	1000
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	287146	4.09718	4.1(a)
	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	7.360	7.360	(0.813)	1052412	4.73273	4.7(a)
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.670	(0.847)	190611	4.35681	4.4(a)
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	186515	39.9238	40(a)
	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	9.051	9.051	(1.000)	702153	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	90947	4.27595	4.3(a)
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	288489	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	199827	4.53196	4.5(a)
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d2.d
Lab Smp Id: 828425D1 Client Smp ID: ISCOIW-05DL
Inj Date : 01-MAY-2010 14:45
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-05DL :[ ]04/28/10 @1145(WATER)
Misc Info : 828425D1,050110JD,76.5,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 76.50000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	76.50000	Dilution Factor
X	25.00000	method volume 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	5.675	2065722	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.013	1164745	2.81921911	220	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d2.d

Date : 01-MAY-2010 14:45

Client ID: ISCOIW-05DL

Instrument: J.i

Sample Info: ISCO IW-05DL :[ ]04/28/10 @1145(WATER)

Purge Volume: 25.0

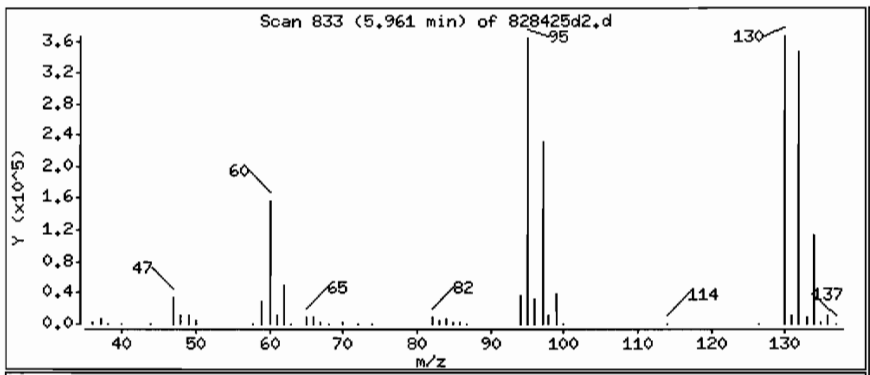
Operator: JP1

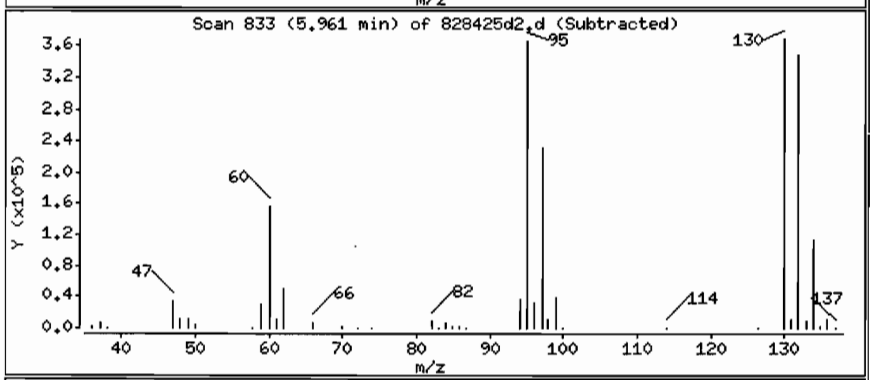
Column phase: DB-624

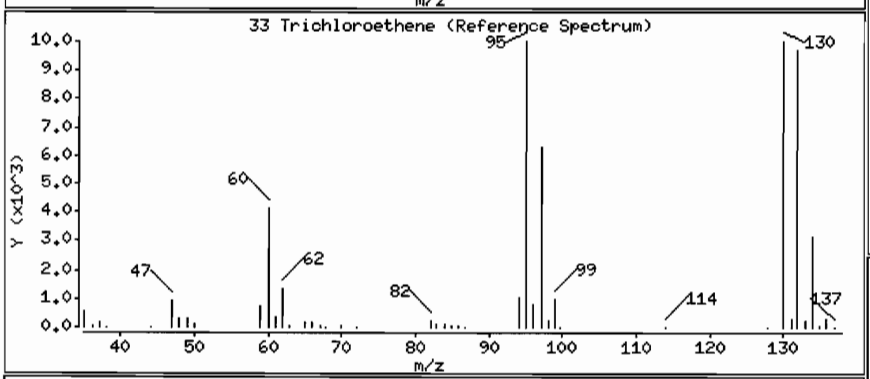
Column diameter: 0.53

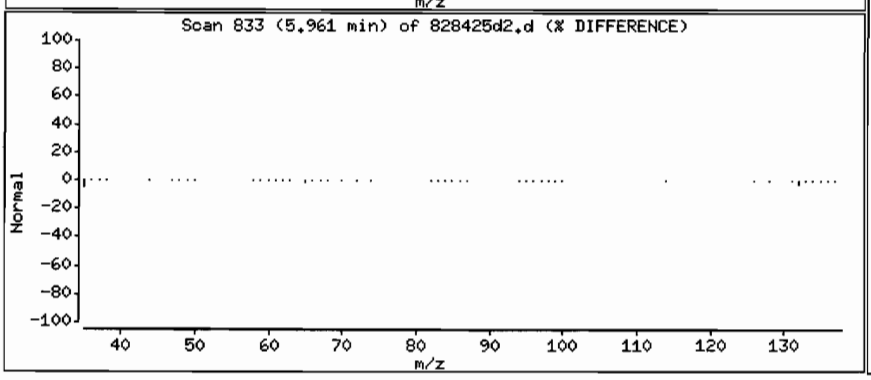
33 Trichloroethene

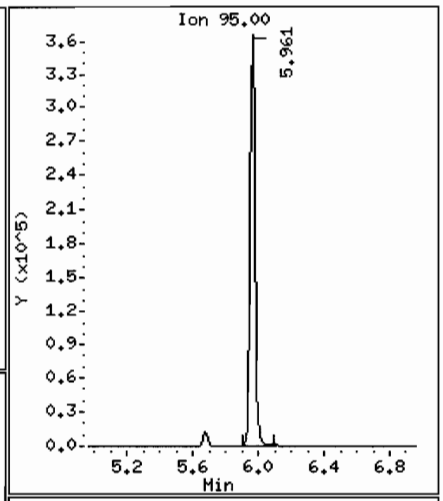
Concentration: 1000 ug/L

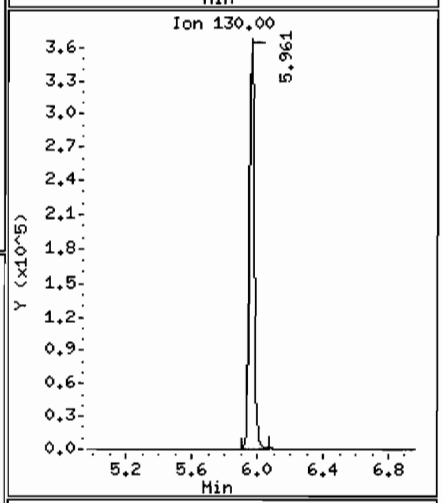


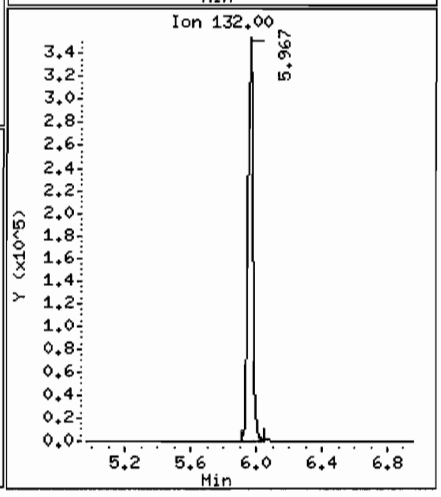












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828425d2.d

Date : 01-MAY-2010 14:45

Client ID: ISCOIW-05DL

Instrument: J.i

Sample Info: ISCO IW-05DL :[ ]04/28/10 @1145(WATER)

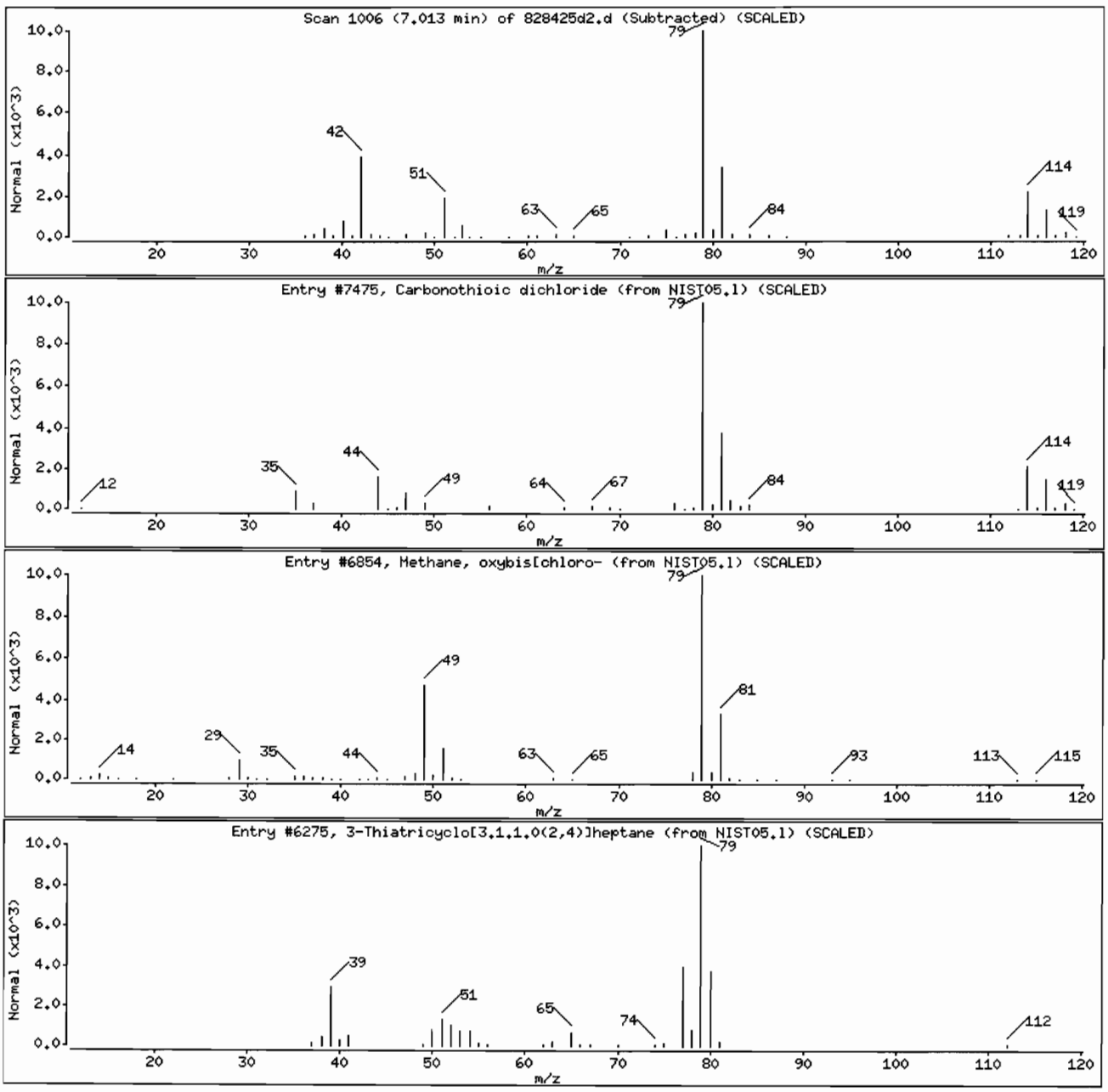
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-06

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D3

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.1	U
74-87-3	Chloromethane	1.1	U
75-01-4	Vinyl chloride	1.1	U
74-83-9	Bromomethane	1.1	U
75-00-3	Chloroethane	1.1	U
75-69-4	Trichlorofluoromethane	1.1	U
75-35-4	1,1-Dichloroethene	1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.1	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	1.1	U
79-20-9	Methyl acetate	1.1	U
75-09-2	Methylene chloride	1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	U
1634-04-4	Methyl tert-butyl ether	0.63	J
75-34-3	1,1-Dichloroethane	1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
110-82-7	Cyclohexane	1.1	U
56-23-5	Carbon tetrachloride	1.1	U
71-43-2	Benzene	1.1	U
107-06-2	1,2-Dichloroethane	1.1	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-06

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D3

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	240	E
108-87-2	Methylcyclohexane	1.1	U
78-87-5	1,2-Dichloropropane	1.1	U
75-27-4	Bromodichloromethane	1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	U
127-18-4	Tetrachloroethene	1.8	
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	1.1	U
106-93-4	1,2-Dibromoethane	1.1	U
108-90-7	Chlorobenzene	1.1	U
100-41-4	Ethylbenzene	1.1	U
95-47-6	o-Xylene	1.1	U
179601-23-1	m,p-Xylene	1.1	U
100-42-5	Styrene	1.1	U
75-25-2	Bromoform	1.1	U
98-82-8	Isopropylbenzene	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1.1	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
87-61-6	1,2,3-Trichlorobenzene	1.1	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOIW-06

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D3

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	5.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d
Date : 01-MAY-2010 17:12
Client ID: ISCOIW-06
Sample Info: ISCO IW-06 :[04/28/10 0153<WATER >
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1 -Vinyl chloride-d3
2 -Chloroethane-d5
3 -1,1-Dichloroethene-d2
4 -2-Butanone-d5
5 -Chloroform-d
6 -1,2-Dichloroethane-d4+
7 -1,4-Difluorobenzene
8 -1,2-Dichloropropane-d6
9 -Toluene-d8
10 -trans-1,3-Dichloropropene
11 -2-Hexanone-d5
12 -Chlorobenzene-d5
13 -1,1,2,2-Tetrachloroethane
14 -1,4-Dichlorobenzene-d4
15 -1,2-Dichlorobenzene-d4
16
Min
/chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d
Lab Smp Id: 828426 Client Smp ID: ISCOIW-06
Inj Date : 01-MAY-2010 17:12
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-06 :[ ]04/28/10 @1530(WATER)
Misc Info : 828426,050110JD,2.1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 2.10000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.10000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	375593	4.75168	4.8
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	298684	5.01006	5.0
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	496031	3.77856	3.8
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	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
15	Methylene chloride	84	Compound Not Detected.					
16	trans-1,2-Dichloroethene	96	Compound Not Detected.					
17	Methyl tert-butyl ether	73	3.229	3.229	(0.569)	22919	0.30049	0.63(a)
18	1,1-Dichloroethane	63	Compound Not Detected.					
$ 19	2-Butanone-d5	46	4.227	4.233	(0.745)	237568	45.9665	46
20	cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	33209	0.54749	1.1
21	2-Butanone	43	Compound Not Detected.					
22	Bromochloromethane	128	Compound Not Detected.					
$ 23	Chloroform-d	84	4.610	4.610	(0.812)	472832	4.54886	4.5
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	5.182	5.182	(0.913)	148077	4.55905	4.6
$ 29	Benzene-d6	84	5.201	5.200	(0.575)	1222157	4.68180	4.7
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.675	5.675	(1.000)	961249	5.00000	
33	Trichloroethene	95	5.967	5.961	(0.659)	7178217	113.379	240(A)
$ 34	1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	289390	3.90847	3.9(R)
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	7.360	7.360	(0.813)	1106359	4.70936	4.7
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.671	7.670	(0.847)	201628	4.36226	4.4
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	8.072	8.066	(0.892)	43505	0.86327	1.8
$ 46	2-Hexanone-d5	63	8.169	8.169	(0.903)	211730	42.8984	43
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	9.051	9.051	(1.000)	741808	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	97714	4.34852	4.3
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	305524	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	209960	4.49627	4.5
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.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d
Lab Smp Id: 828426 Client Smp ID: ISCOIW-06
Inj Date : 01-MAY-2010 17:12
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-06 :[ ]04/28/10 @1530(WATER)
Misc Info : 828426,050110JD,2.1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 2.10000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.10000	Dilution Factor
X	25.00000	method volume 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	5.675	2164580	5.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.013	1188947	2.74636793	5.8	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d

Date : 01-MAY-2010 17:12

Client ID: ISCOIW-06

Instrument: J.i

Sample Info: ISCO IW-06 :[ ]04/28/10 @1530(WATER)

Purge Volume: 25.0

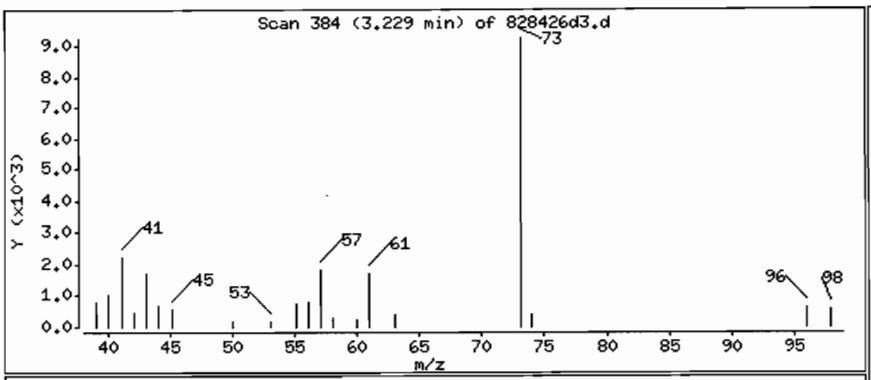
Operator: JP1

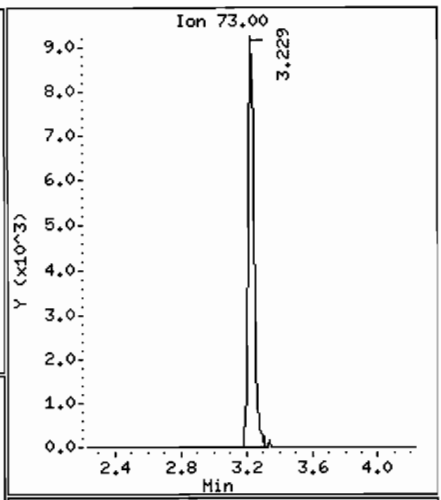
Column phase: DB-624

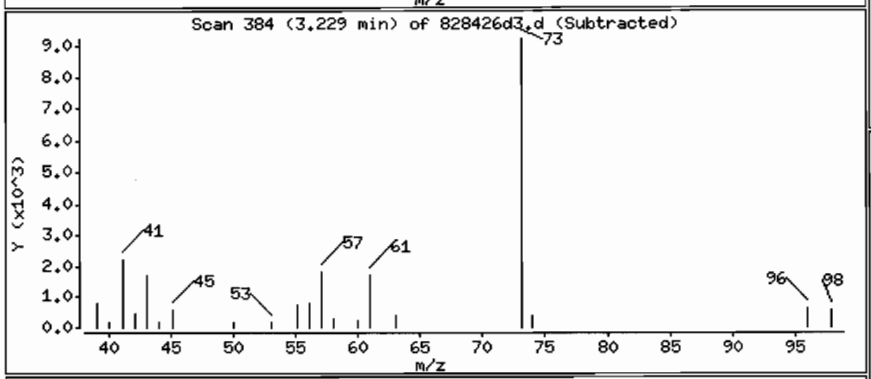
Column diameter: 0.53

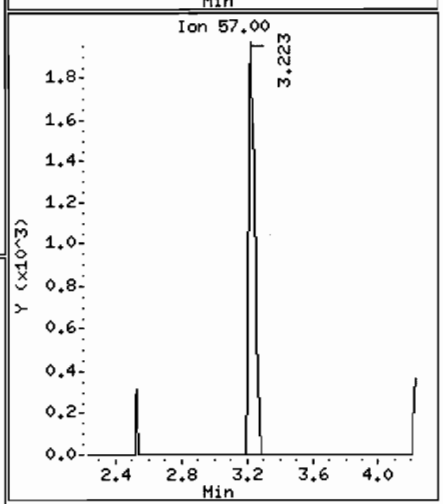
17 Methyl tert-butyl ether

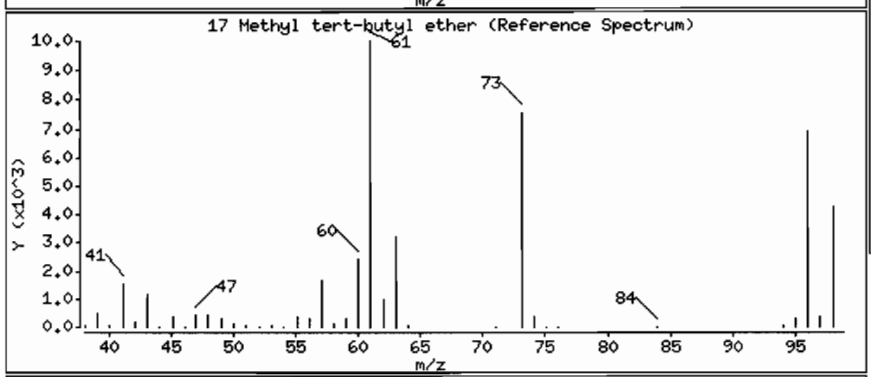
Concentration: 0.63 ug/L

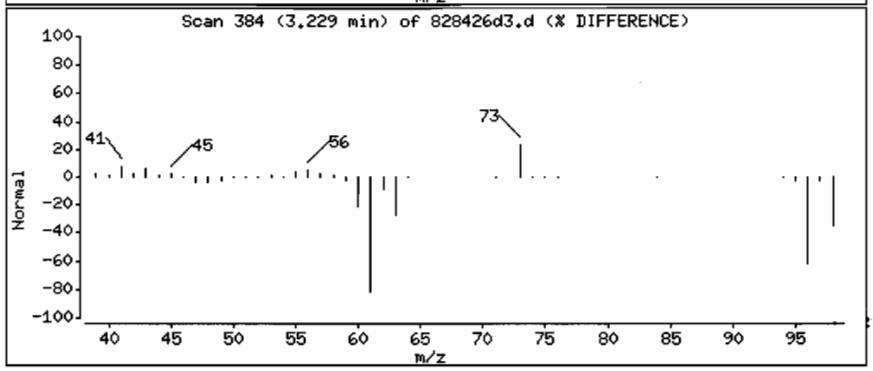












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d

Date : 01-MAY-2010 17:12

Client ID: ISCOIW-06

Instrument: J.i

Sample Info: ISCO IW-06 :[ ]04/28/10 @1530(WATER)

Purge Volume: 25.0

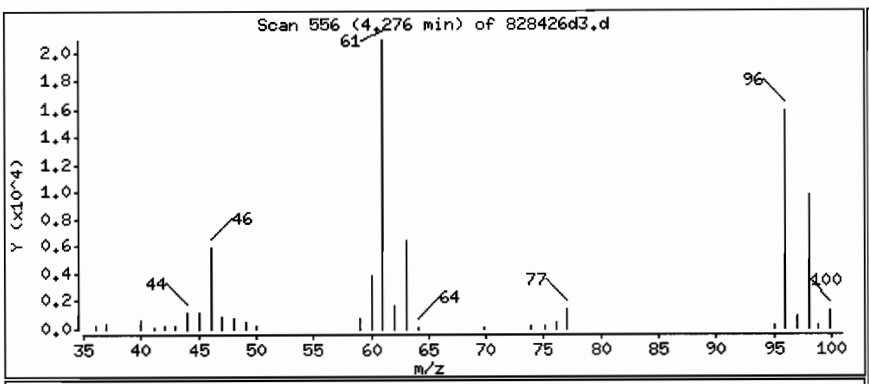
Operator: JP1

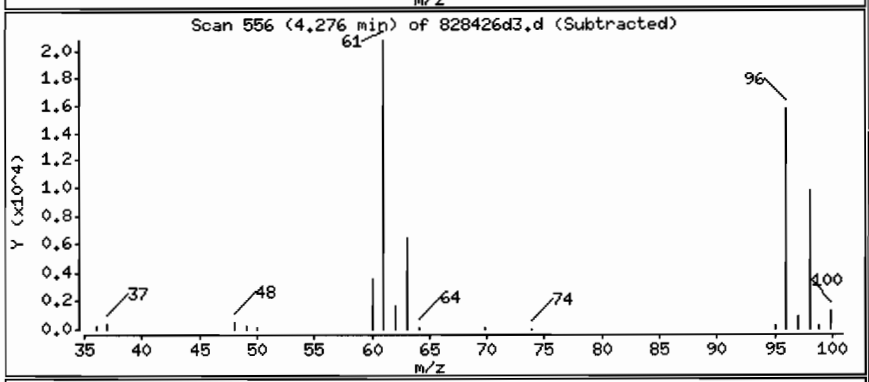
Column phase: DB-624

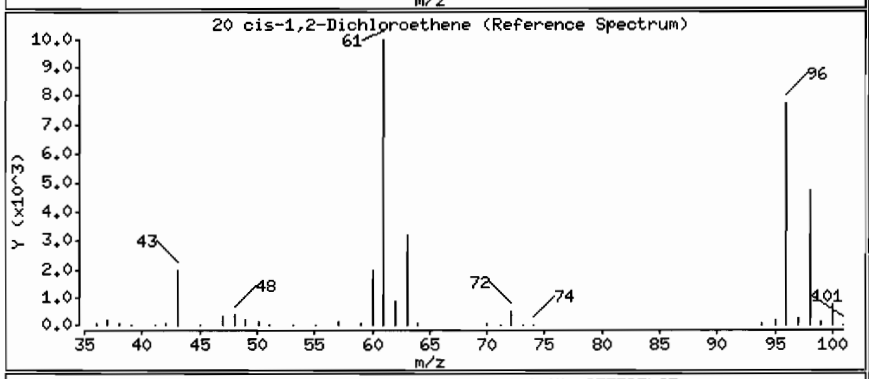
Column diameter: 0.53

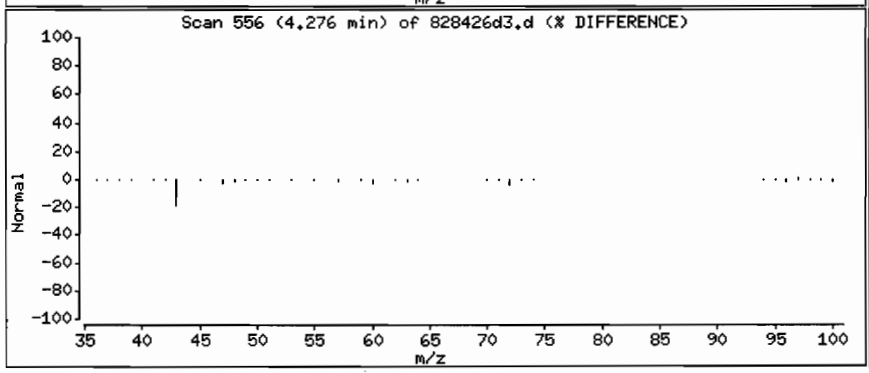
20 cis-1,2-Dichloroethene

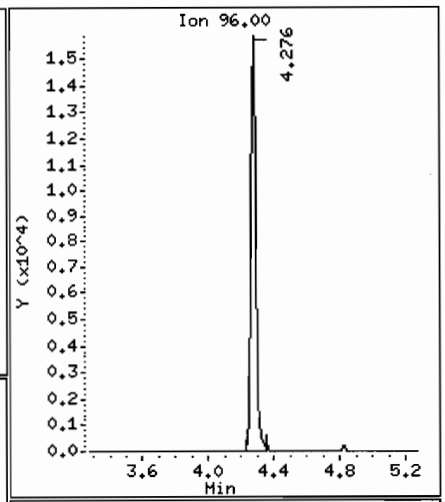
Concentration: 1.1 ug/L

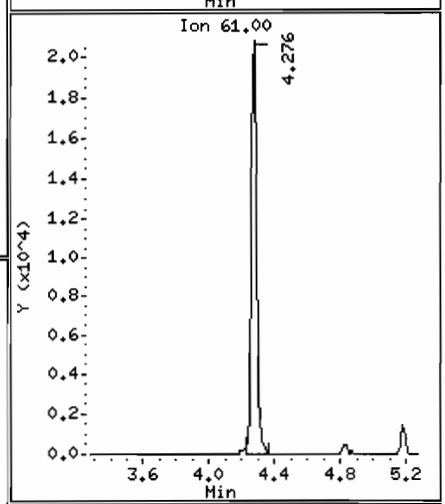


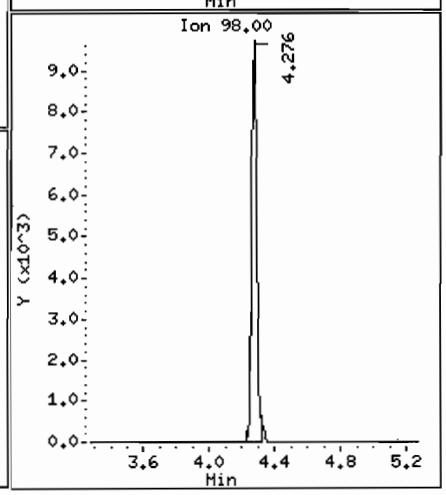












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d

Date : 01-MAY-2010 17:12

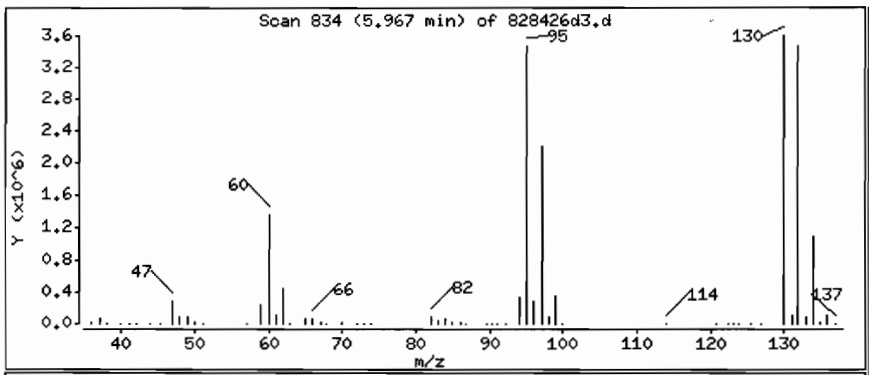
Client ID: ISCOIW-06 Instrument: J.i

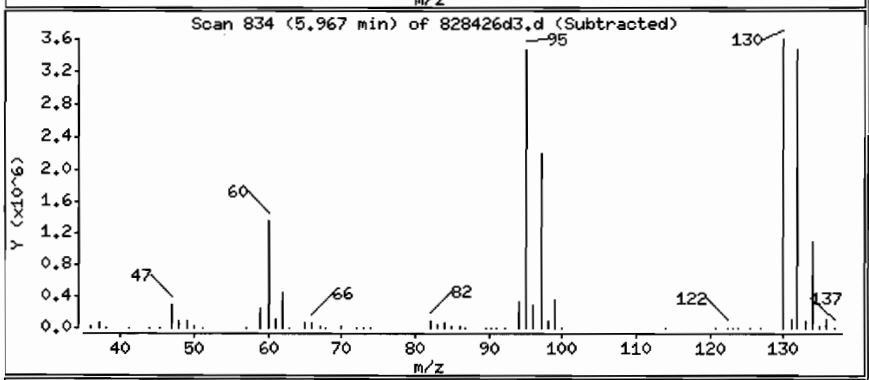
Sample Info: ISCO IW-06 :[ ]04/28/10 @1530(WATER)

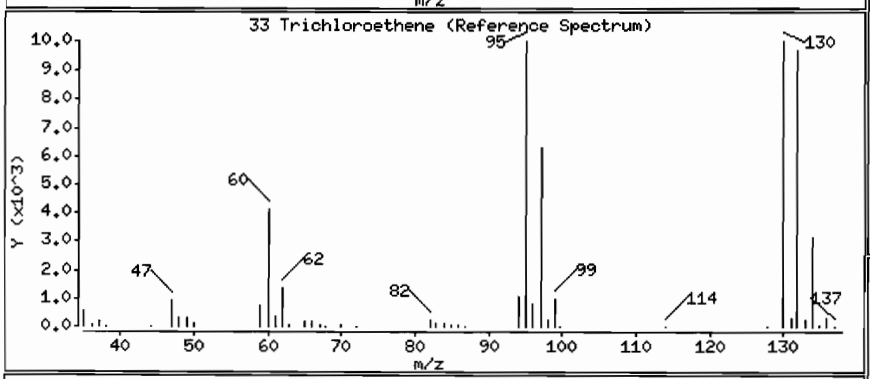
Purge Volume: 25.0 Operator: JP1

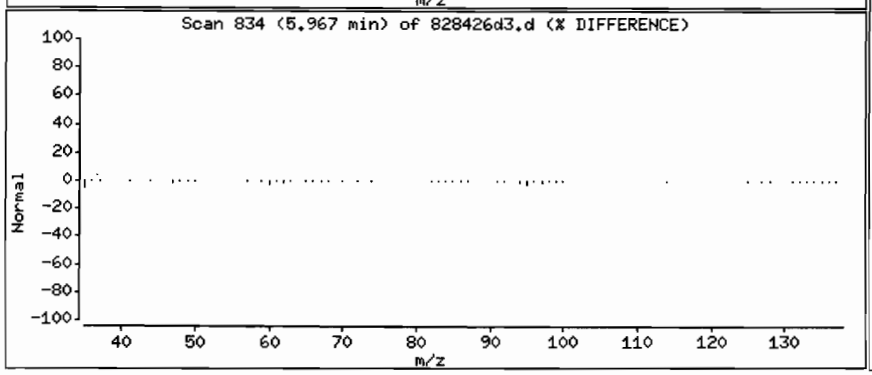
Column phase: DB-624 Column diameter: 0.53

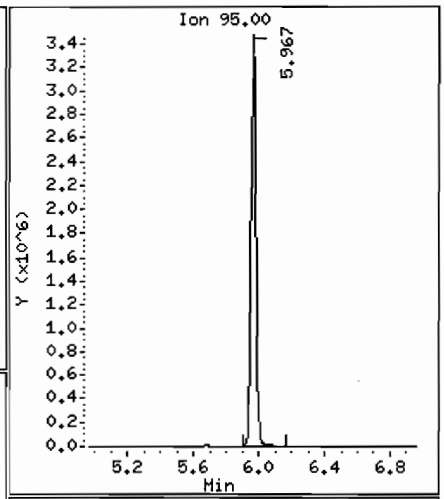
33 Trichloroethene Concentration: 240 ug/L

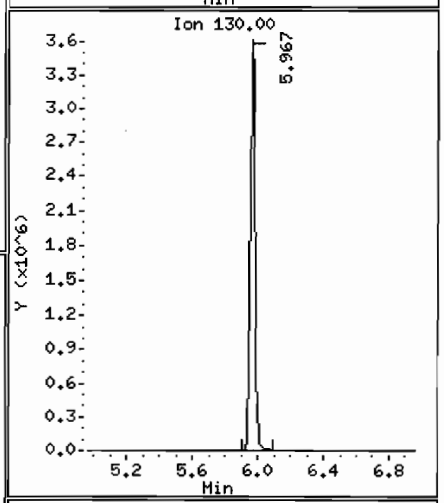


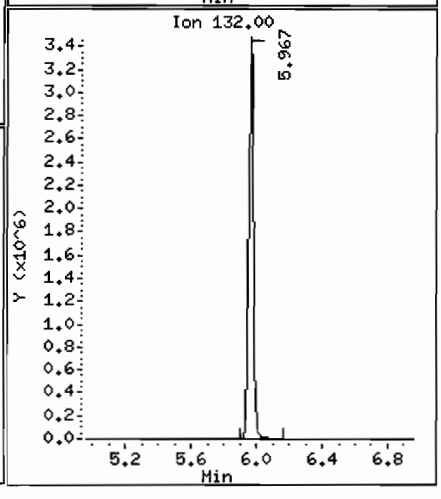












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d

Date : 01-MAY-2010 17:12

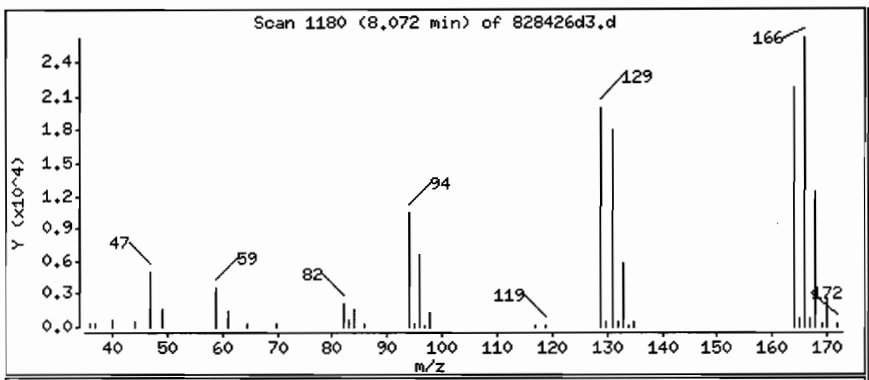
Client ID: ISCOIW-06 Instrument: J.i

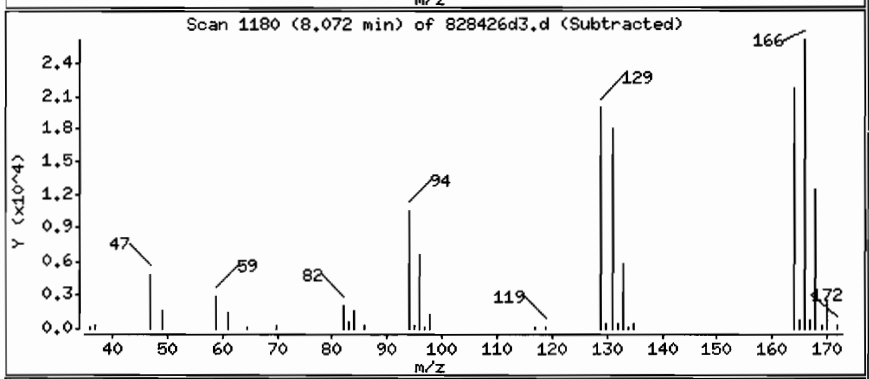
Sample Info: ISCO IW-06 :[ ]04/28/10 @1530(WATER)

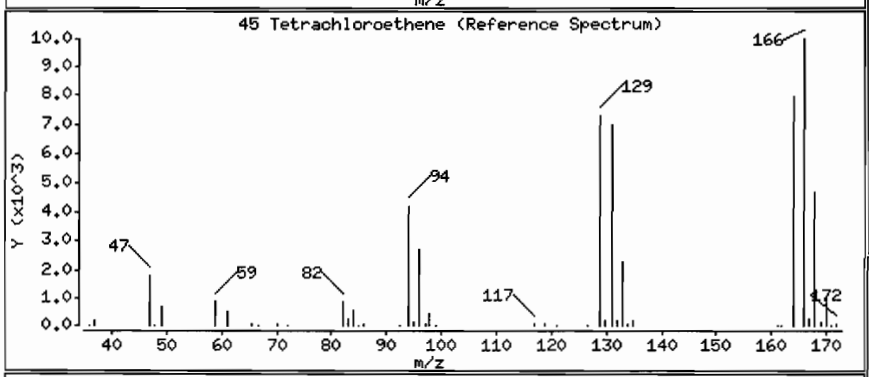
Purge Volume: 25.0 Operator: JP1

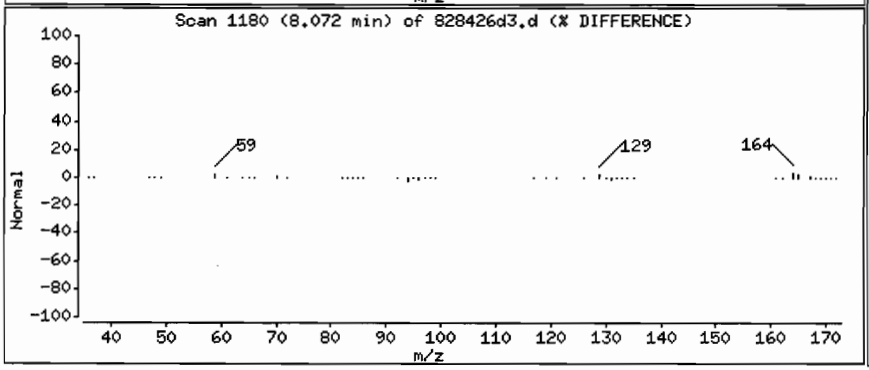
Column phase: DB-624 Column diameter: 0.53

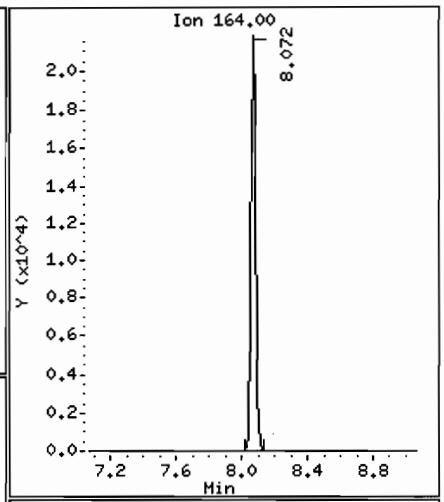
45 Tetrachloroethene Concentration: 1.8 ug/L

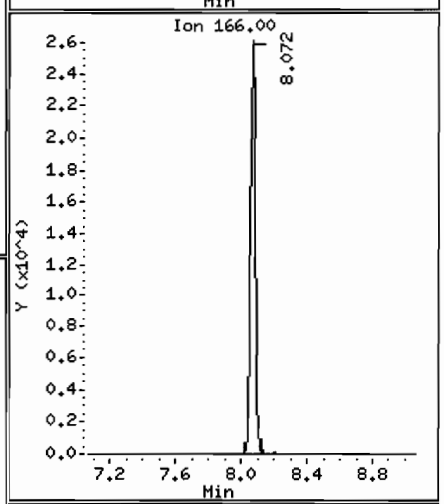


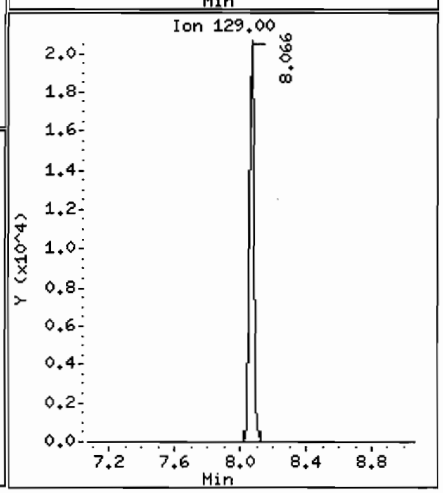












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828426d3.d

Date : 01-MAY-2010 17:12

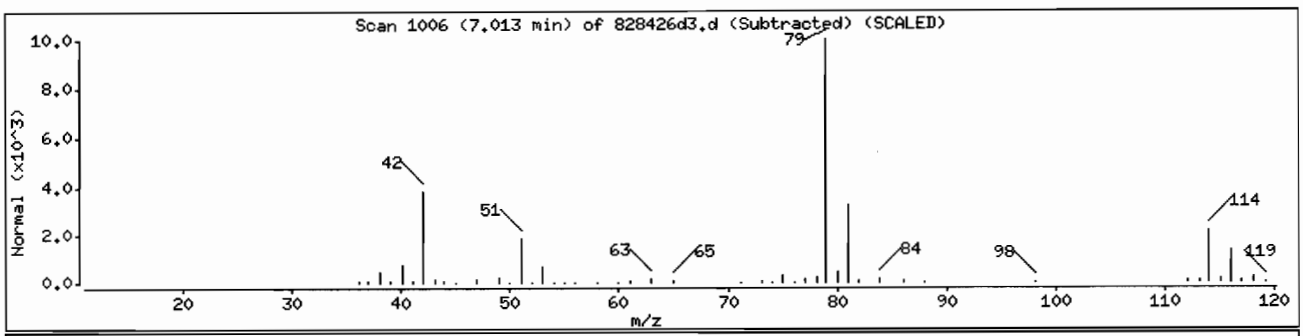
Client ID: ISCOIW-06 Instrument: J.i

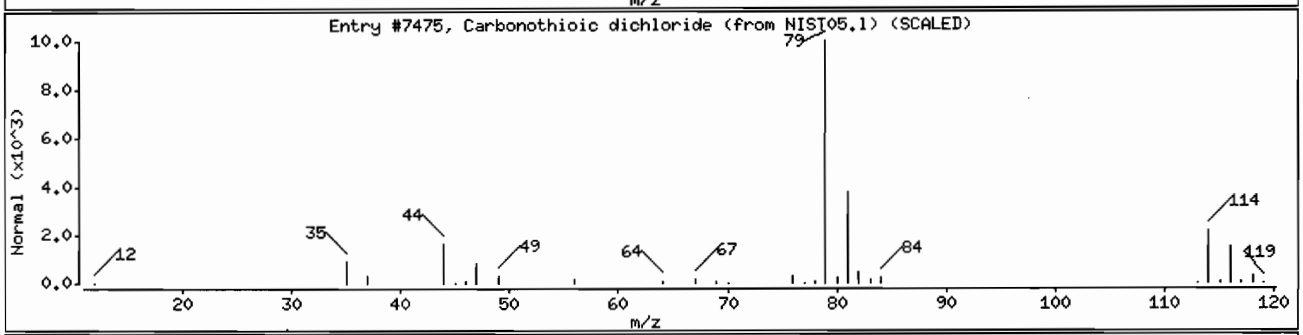
Sample Info: ISCO IW-06 :[ ]04/28/10 @1530(WATER)

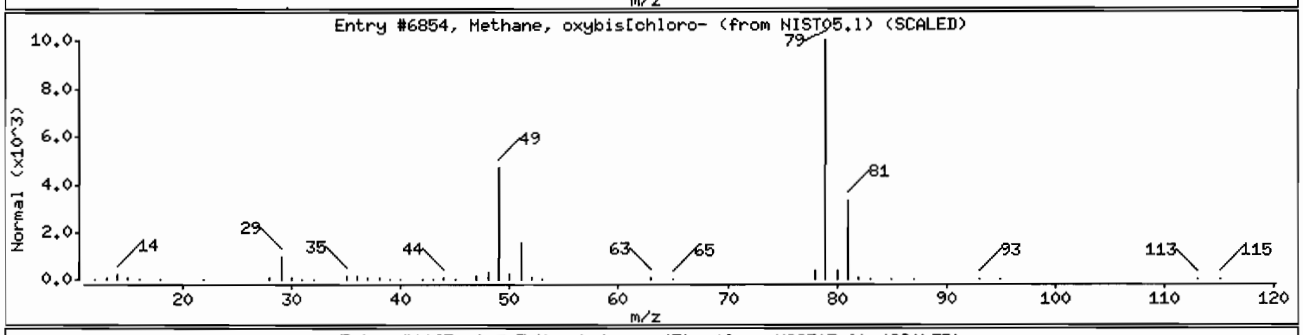
Purge Volume: 25.0 Operator: JP1

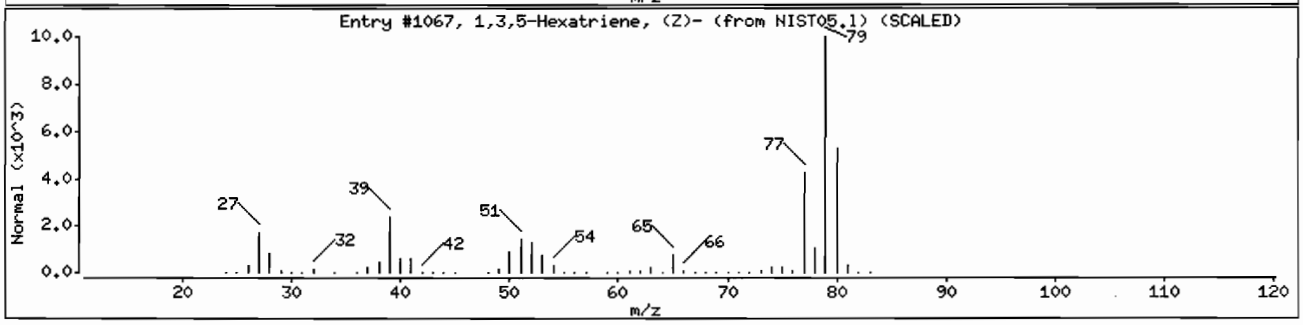
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
1,3,5-Hexatriene, (Z)-	2612-46-6	NIST05.1	1067	23	C6H8	80









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-06DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.9

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	13	U
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	U
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U
67-64-1	Acetone	130	U
75-15-0	Carbon disulfide	13	U
79-20-9	Methyl acetate	13	U
75-09-2	Methylene chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
78-93-3	2-Butanone	130	U
74-97-5	Bromochloromethane	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon tetrachloride	13	U
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-06DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.9

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	270	D
108-87-2	Methylcyclohexane	13	U
78-87-5	1,2-Dichloropropane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	130	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	130	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
95-47-6	o-Xylene	13	U
179601-23-1	m,p-Xylene	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
87-61-6	1,2,3-Trichlorobenzene	13	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOIW-06DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828426D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828426D

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 25.9

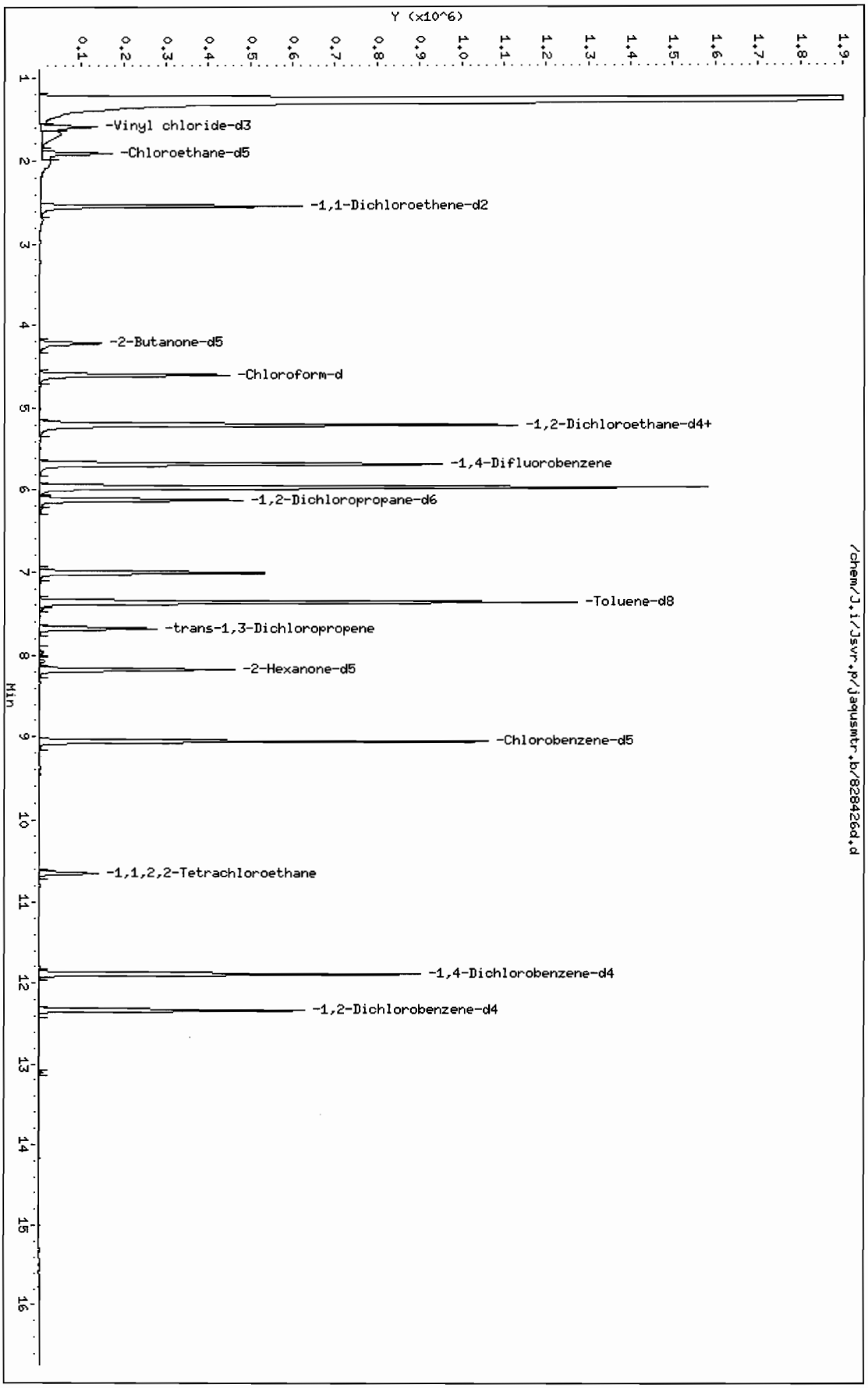
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	70	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Min
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqusmtr.b/828426d.d
Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828426d.d
Date : 01-MAY-2010 01:21
Client ID: ISCOIW-06DL
Sample Info: ISCO IW-06DL :[04/28/10 @1530(WATER)
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828426d.d
Lab Smp Id: 828426D1 Client Smp ID: ISCOIW-06DL
Inj Date : 01-MAY-2010 01:21
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-06DL :[ ]04/28/10 @1530(WATER)
Misc Info : 828426D1,043010JC,25.9,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 16
Dil Factor: 25.90000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	25.90000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	351866	4.79694	4.8(a)
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	281556	5.08924	5.1(a)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	445871	3.66003	3.7(a)
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	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.227	(0.745)	222876	46.4702	46(a)
	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	4.604	4.604	(0.811)	443272	4.59540	4.6(a)
	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	5.182	5.182	(0.913)	137648	4.56682	4.6(a)
$	29 Benzene-d6	84	5.195	5.195	(0.574)	1126834	4.60271	4.6(a)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	892028	5.00000	
	33 Trichloroethene	95	5.961	5.961	(0.659)	624656	10.5202	270
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	281119	4.04838	4.0(a)
	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	7.360	7.360	(0.813)	1008554	4.57755	4.6(a)
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.671	(0.847)	182039	4.19945	4.2(a)
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	191739	41.4225	41(a)
	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	9.052	9.052	(1.000)	695703	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	88600	4.20423	4.2(a)
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	285408	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.325	12.325	(1.037)	191620	4.39274	4.4(a)
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828426d.d
Lab Smp Id: 828426D1 Client Smp ID: ISCOIW-06DL
Inj Date : 01-MAY-2010 01:21
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-06DL :[ ]04/28/10 @1530(WATER)
Misc Info : 828426D1,043010JC,25.9,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 16
Dil Factor: 25.90000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	25.90000	Dilution Factor
X	25.00000	method volume 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	5.675	2023760	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.014	1099263	2.71589132	70	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828426d.d

Date : 01-MAY-2010 01:21

Client ID: ISCOIW-06DL

Instrument: J.i

Sample Info: ISCO IW-06DL :[ ]04/28/10 @1530(WATER)

Purge Volume: 25.0

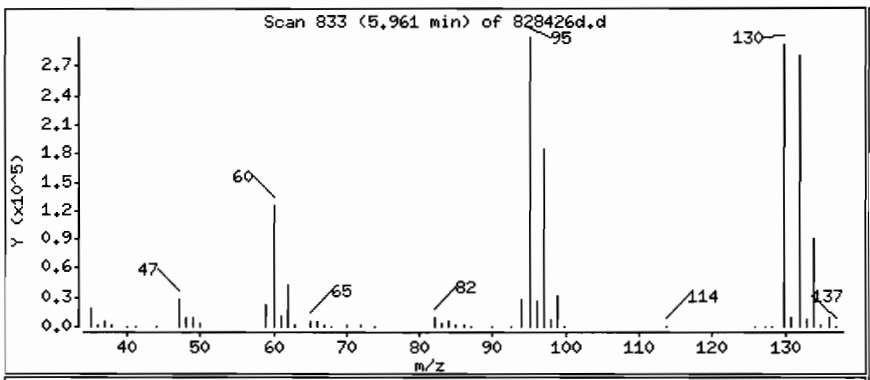
Operator: JP1

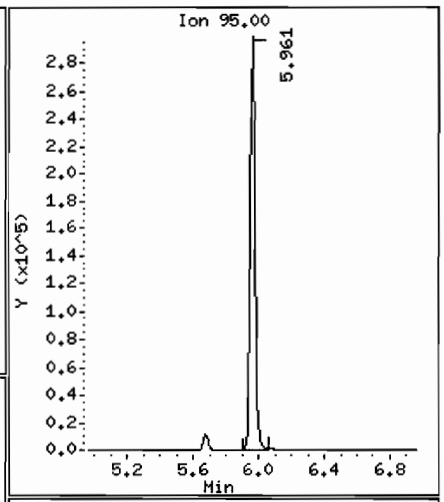
Column phase: DB-624

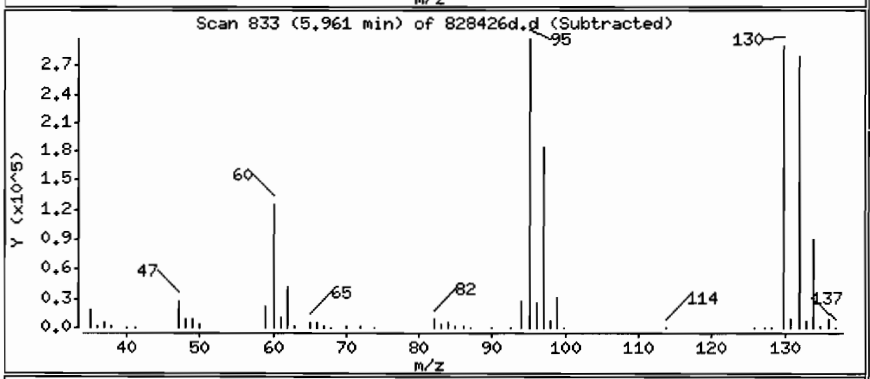
Column diameter: 0.53

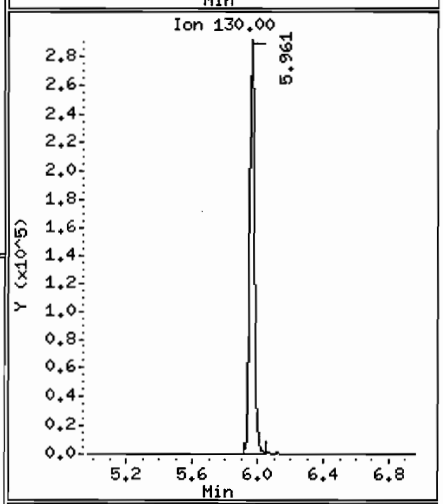
33 Trichloroethene

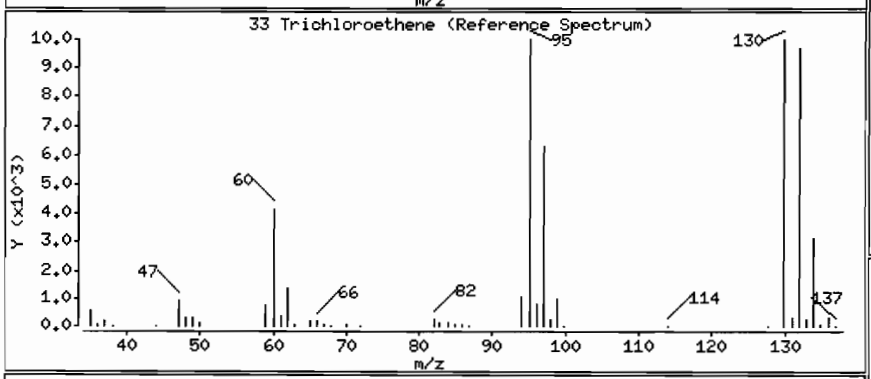
Concentration: 270 ug/L

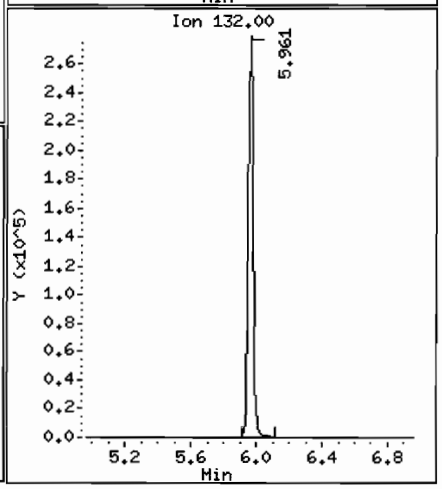


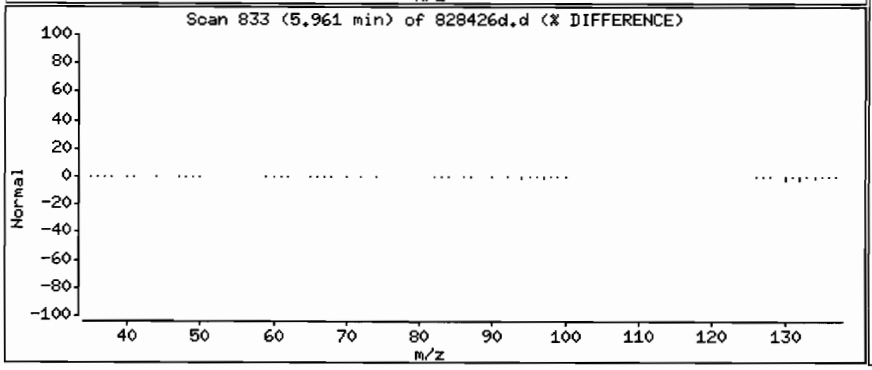












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828426d.d

Date : 01-MAY-2010 01:21

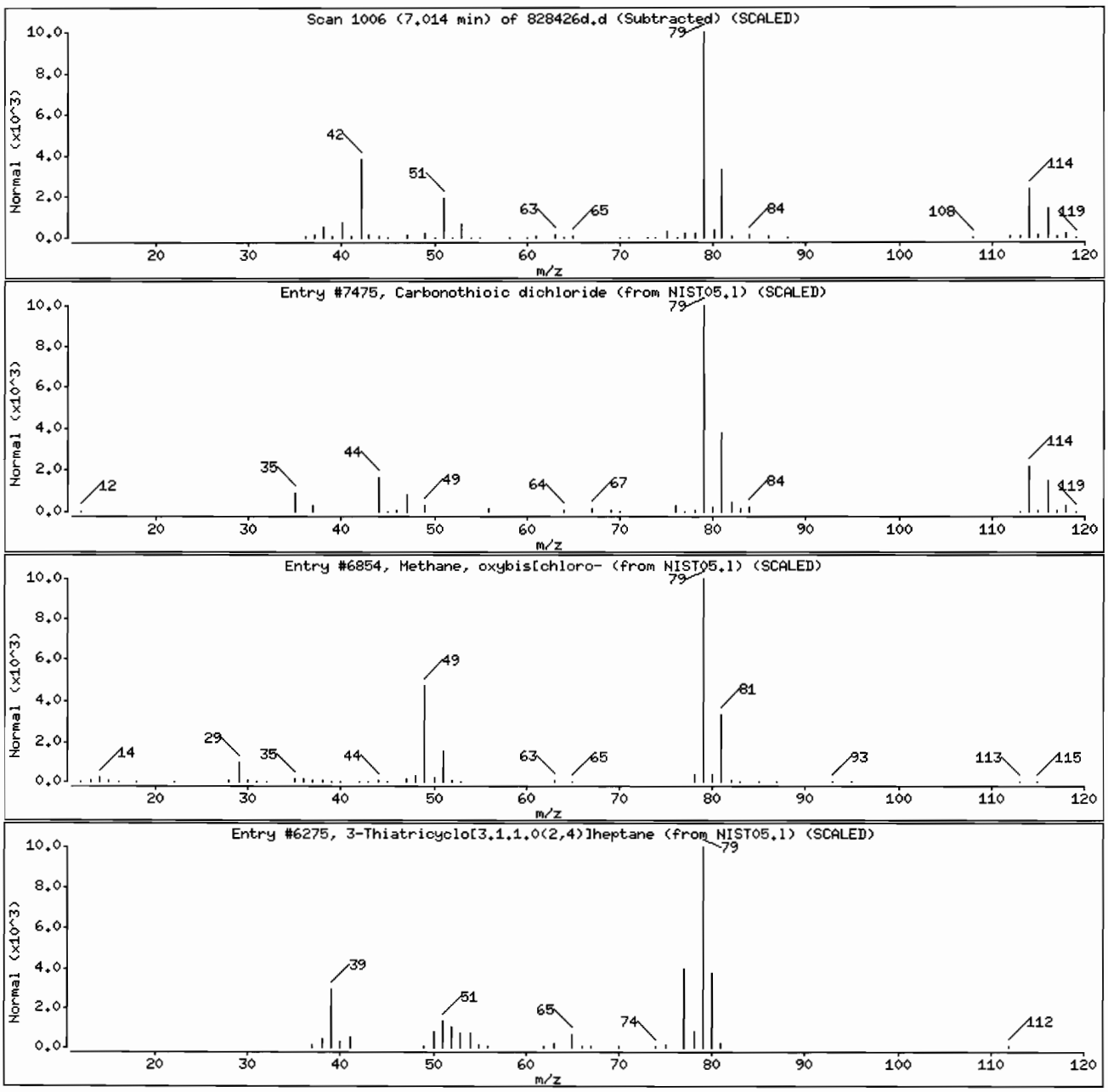
Client ID: ISCOIW-06DL Instrument: J.i

Sample Info: ISCO IW-06DL :[ ]04/28/10 @1530(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	23	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D2

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.2	U
74-87-3	Chloromethane	1.2	U
75-01-4	Vinyl chloride	1.2	U
74-83-9	Bromomethane	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	1.2	U
79-20-9	Methyl acetate	1.2	U
75-09-2	Methylene chloride	1.2	U
156-60-5	trans-1,2-Dichloroethene	1.2	U
1634-04-4	Methyl tert-butyl ether	0.65	J
75-34-3	1,1-Dichloroethane	1.2	U
156-59-2	cis-1,2-Dichloroethene	1.2	
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	1.2	U
67-66-3	Chloroform	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
110-82-7	Cyclohexane	1.2	U
56-23-5	Carbon tetrachloride	1.2	U
71-43-2	Benzene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D2

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	280	E
108-87-2	Methylcyclohexane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
127-18-4	Tetrachloroethene	2.1	
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
95-47-6	o-Xylene	1.2	U
179601-23-1	m,p-Xylene	1.2	U
100-42-5	Styrene	1.2	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1.2	U
87-61-6	1,2,3-Trichlorobenzene	1.2	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOIW-16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D2

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	6.5	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

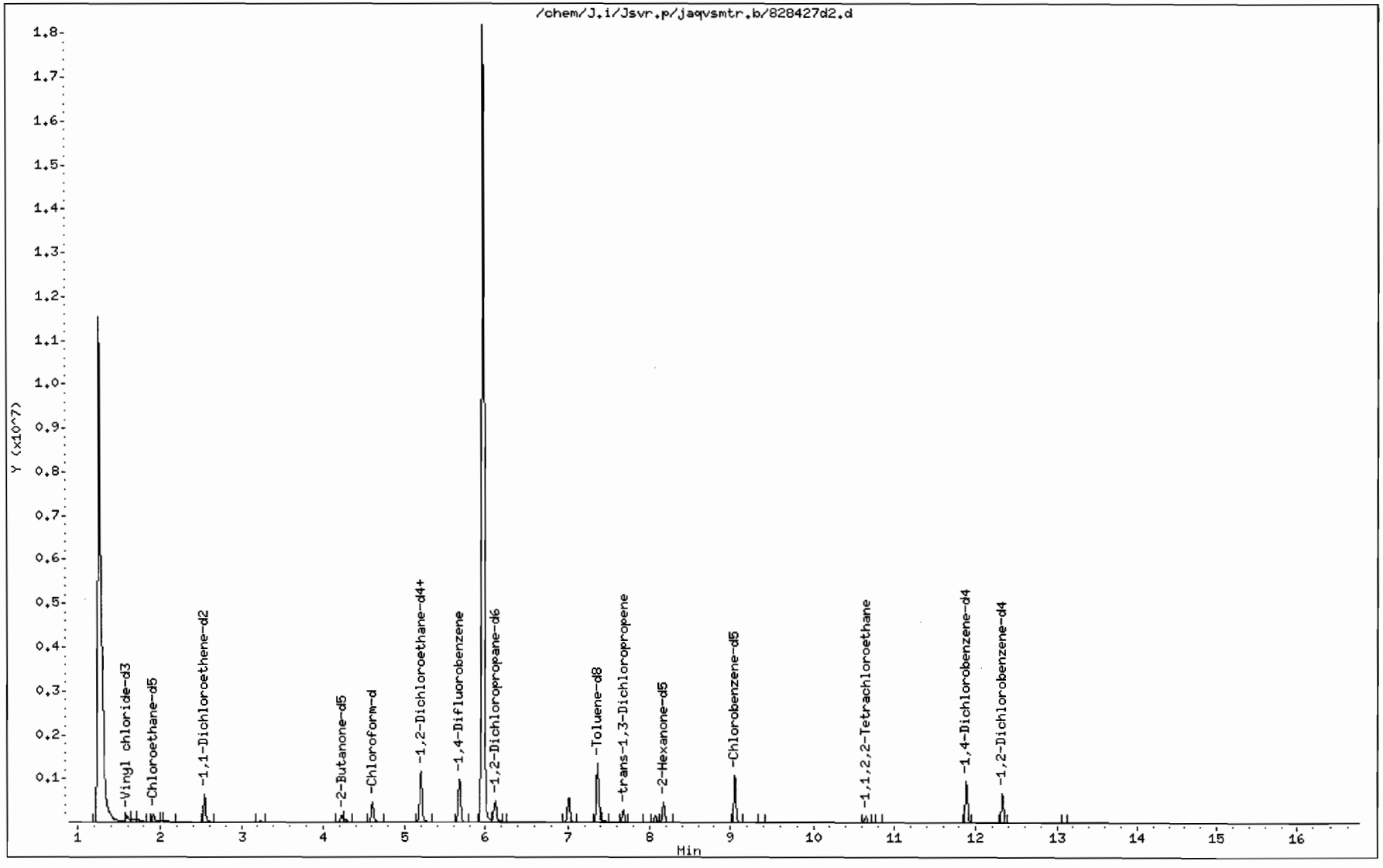
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828427d2.d
Date : 01-MAY-2010 12:56
Client ID: ISCOIW-16
Sample Info: ISCO IW-16 :[ ]04/28/10 @1400(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828427d2.d
Lab Smp Id: 828427 Client Smp ID: ISCOIW-16
Inj Date : 01-MAY-2010 12:56
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-16 :[ ]04/28/10 @1400(WATER)
Misc Info : 828427,050110JD,2.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 2.30000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.30000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	362208	4.83999	4.8
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	286574	5.07720	5.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	469511	3.77764	3.8
	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	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
15	Methylene chloride	84	Compound Not Detected.					
16	trans-1,2-Dichloroethene	96	Compound Not Detected.					
17	Methyl tert-butyl ether	73	3.229	3.229	(0.569)	20260	0.28056	0.65(a)
18	1,1-Dichloroethane	63	Compound Not Detected.					
$ 19	2-Butanone-d5	46	4.227	4.233	(0.745)	227354	46.4636	46
20	cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	29620	0.51577	1.2
21	2-Butanone	43	Compound Not Detected.					
22	Bromochloromethane	128	Compound Not Detected.					
$ 23	Chloroform-d	84	4.610	4.610	(0.812)	451218	4.58499	4.6
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	5.182	5.182	(0.913)	140339	4.56374	4.6
$ 29	Benzene-d6	84	5.194	5.200	(0.574)	1168002	4.77411	4.8
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.675	5.675	(1.000)	910080	5.00000	
33	Trichloroethene	95	5.967	5.961	(0.659)	7096927	119.605	280(A)
$ 34	1,2-Dichloropropane-d6	67	6.125	6.119	(0.677)	279576	4.02889	4.0
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	7.360	7.360	(0.813)	1055639	4.79451	4.8
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.670	7.670	(0.847)	190292	4.39282	4.4
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	8.072	8.066	(0.892)	42809	0.90637	2.1
$ 46	2-Hexanone-d5	63	8.169	8.169	(0.903)	199592	43.1483	43
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	9.051	9.051	(1.000)	695231	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	91696	4.35409	4.4
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	291522	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	199031	4.46694	4.5(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).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828427d2.d
Lab Smp Id: 828427 Client Smp ID: ISCOIW-16
Inj Date : 01-MAY-2010 12:56
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-16 :[ ]04/28/10 @1400(WATER)
Misc Info : 828427,050110JD,2.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 2.30000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.30000	Dilution Factor
X	25.00000	method volume 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	5.675	2045177	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.013	1147737	2.80595996	6.5	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828427d2.d

Date : 01-MAY-2010 12:56

Client ID: ISCOIW-16

Instrument: J.i

Sample Info: ISCO IW-16 :[J04/28/10 @1400(WATER)

Purge Volume: 25.0

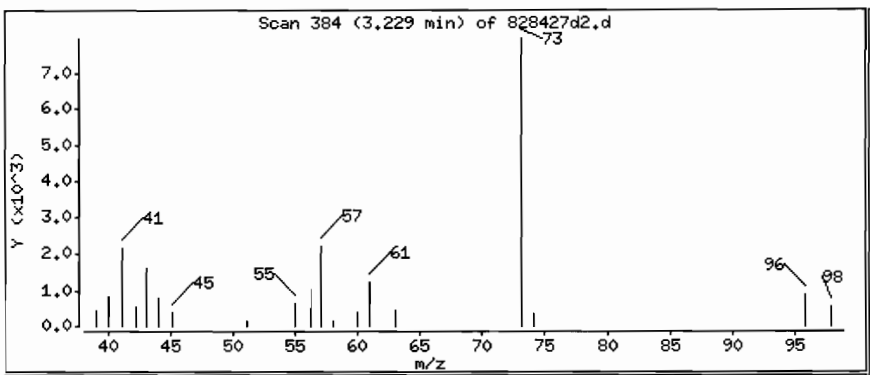
Operator: JP1

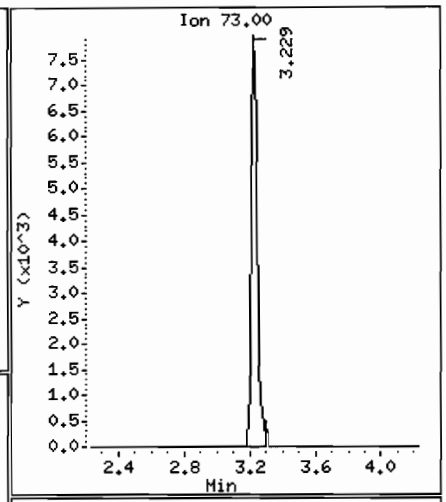
Column phase: DB-624

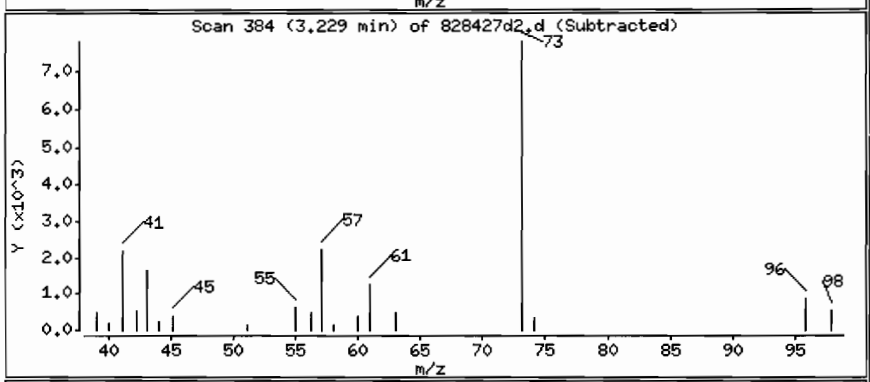
Column diameter: 0.53

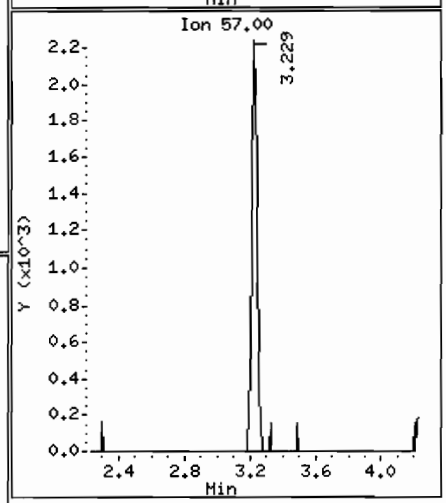
17 Methyl tert-butyl ether

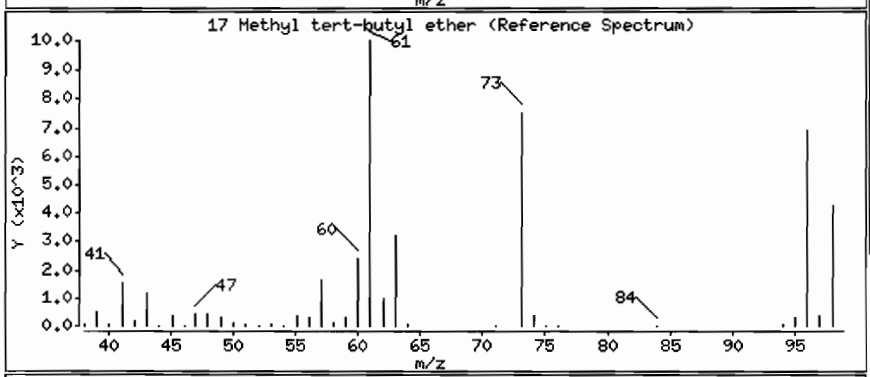
Concentration: 0.65 ug/L

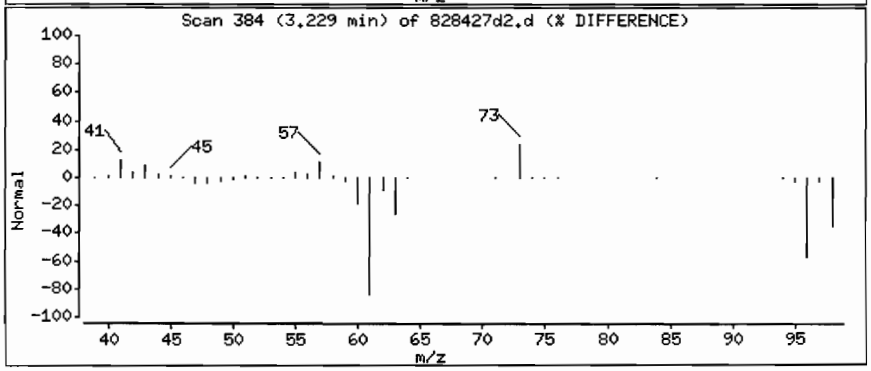












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828427d2.d

Date : 01-MAY-2010 12:56

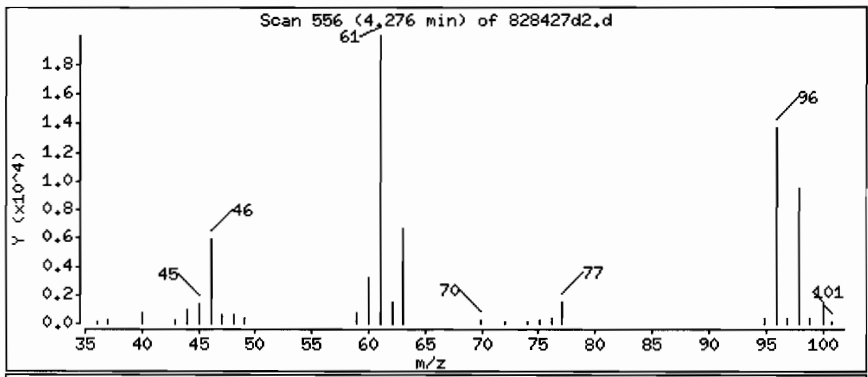
Client ID: ISCOIW-16 Instrument: J.i

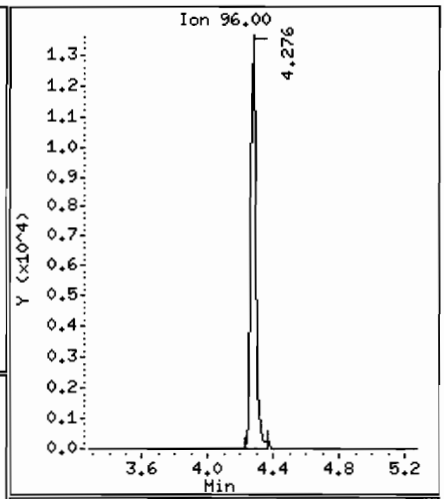
Sample Info: ISCO IW-16 :[ ]04/28/10 @1400(WATER)

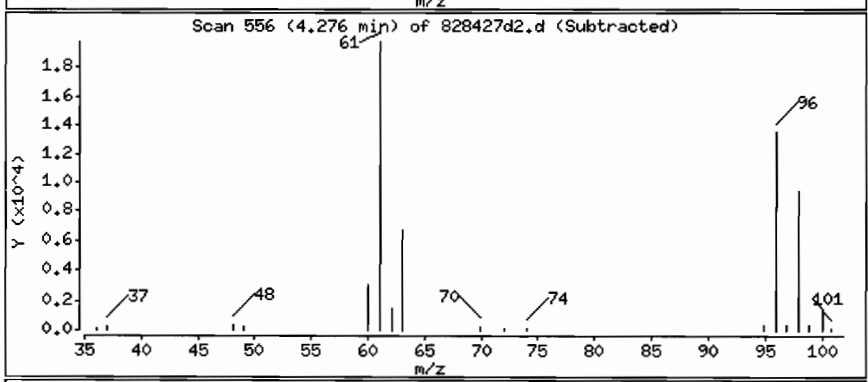
Purge Volume: 25.0 Operator: JP1

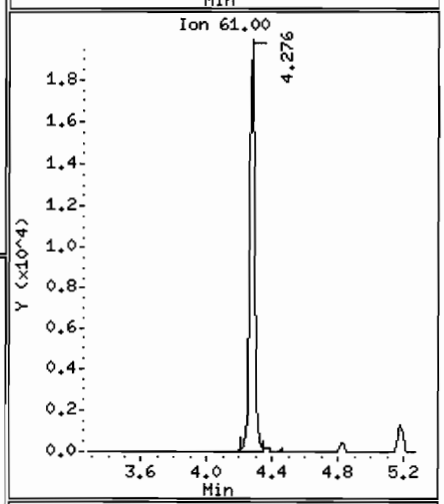
Column phase: DB-624 Column diameter: 0.53

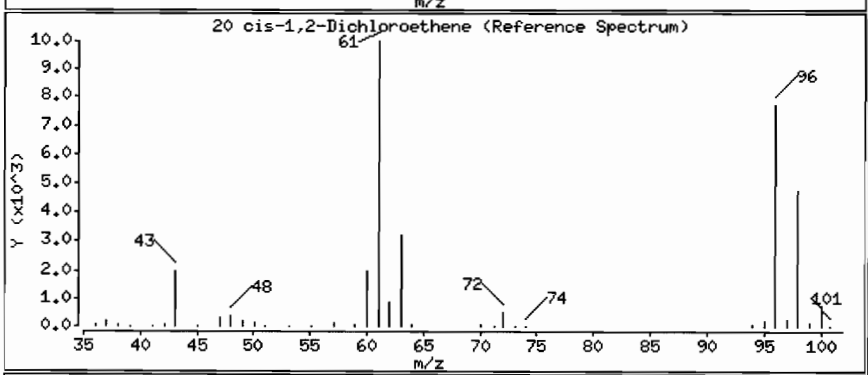
20 cis-1,2-Dichloroethene Concentration: 1.2 ug/L

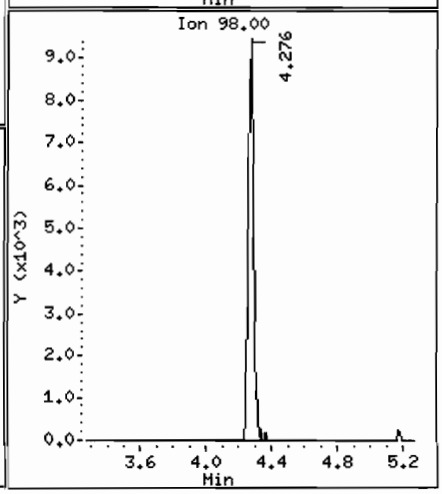


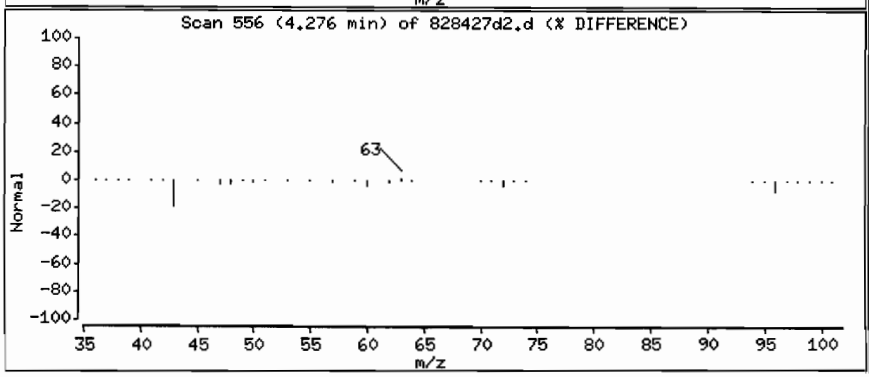












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828427d2.d

Date : 01-MAY-2010 12:56

Client ID: ISCOIW-16

Instrument: J.i

Sample Info: ISCO IW-16 :[ ]04/28/10 @1400(WATER)

Purge Volume: 25.0

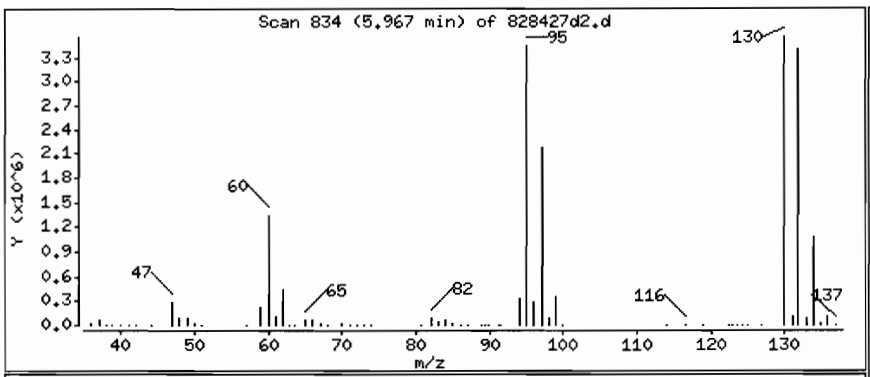
Operator: JP1

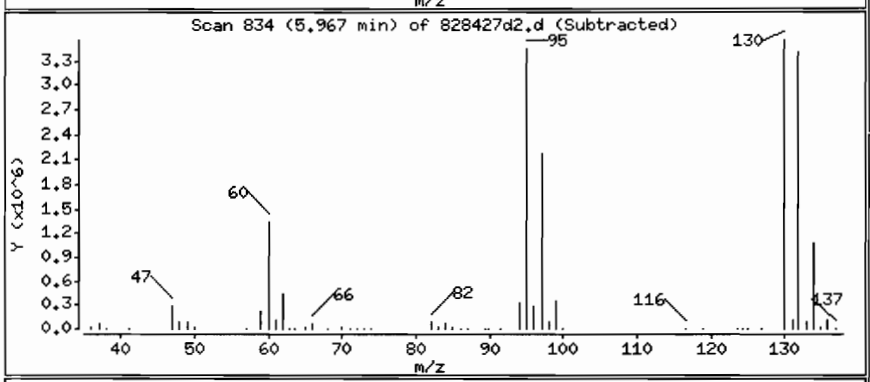
Column phase: DB-624

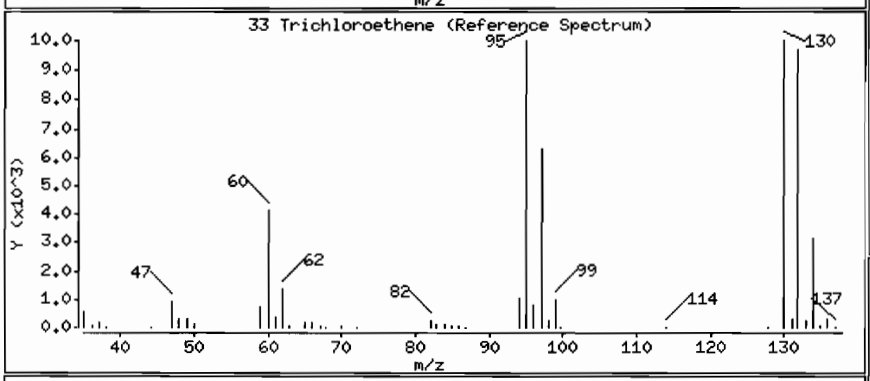
Column diameter: 0.53

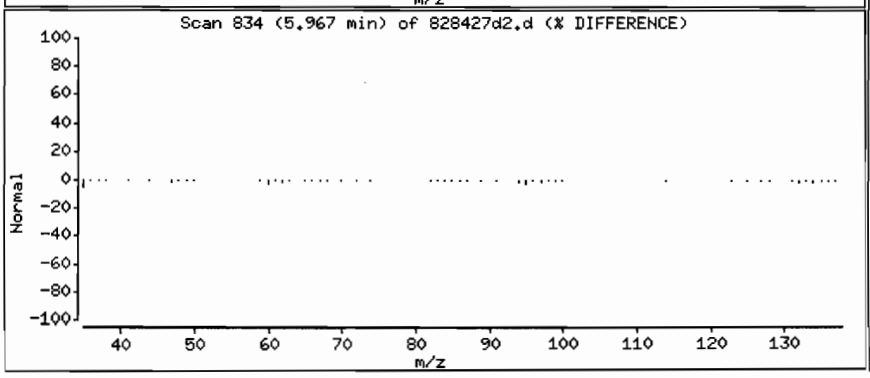
33 Trichloroethene

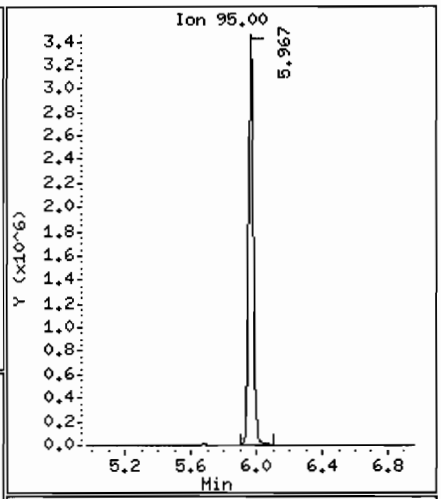
Concentration: 280 ug/L

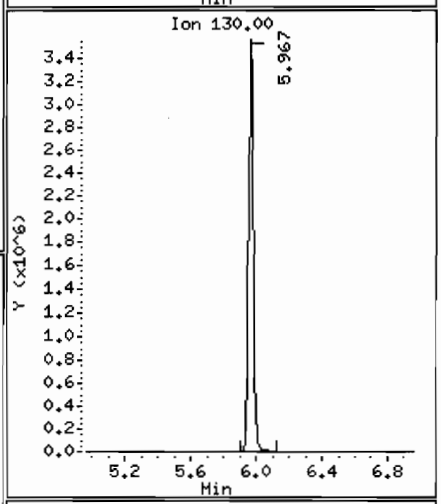


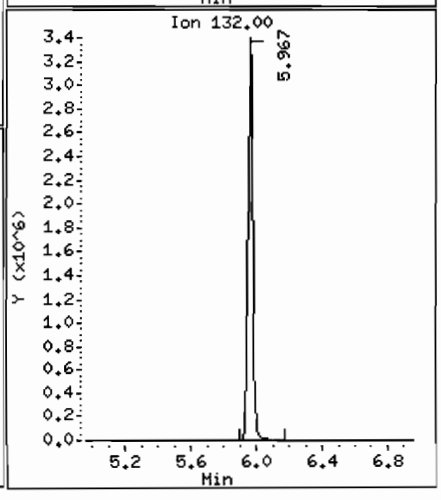












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828427d2.d

Date : 01-MAY-2010 12:56

Client ID: ISCOIW-16

Instrument: J.i

Sample Info: ISCO IW-16 :[ ]04/28/10 @1400(WATER)

Purge Volume: 25.0

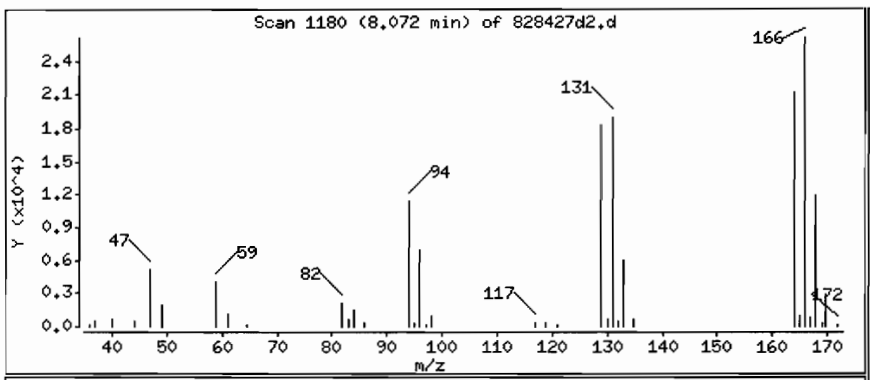
Operator: JP1

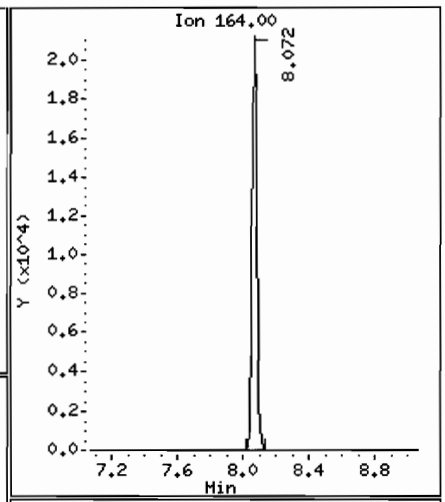
Column phase: DB-624

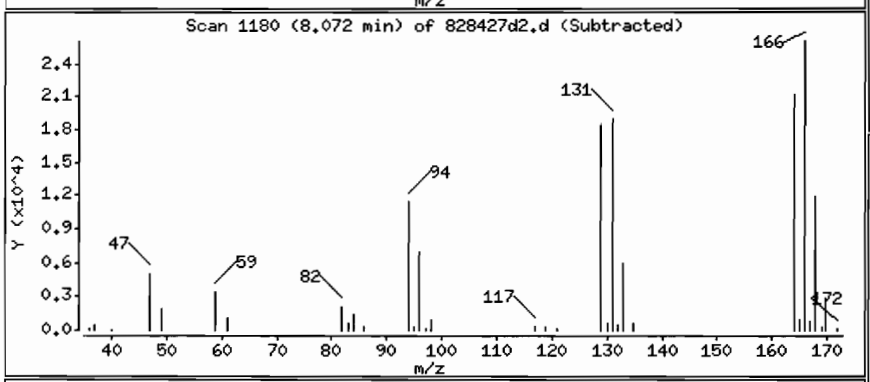
Column diameter: 0.53

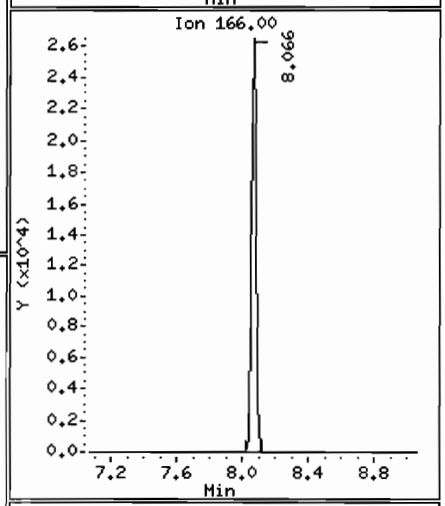
45 Tetrachloroethene

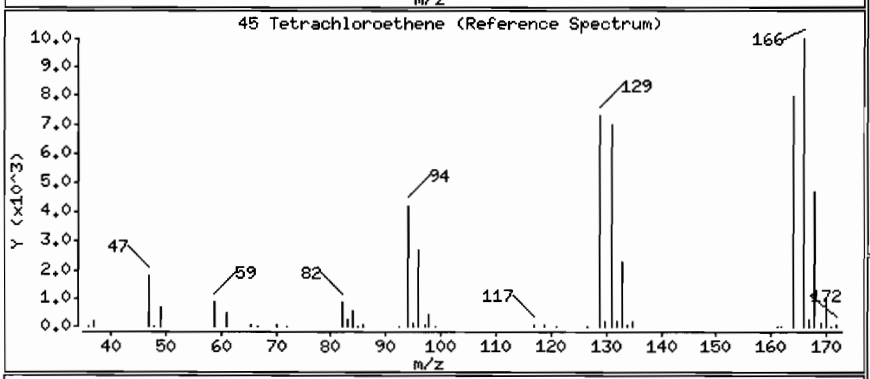
Concentration: 2.1 ug/L

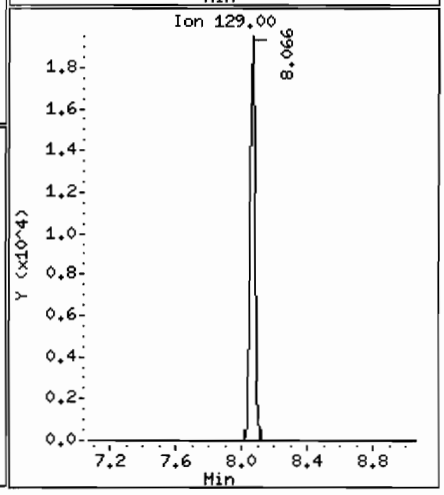


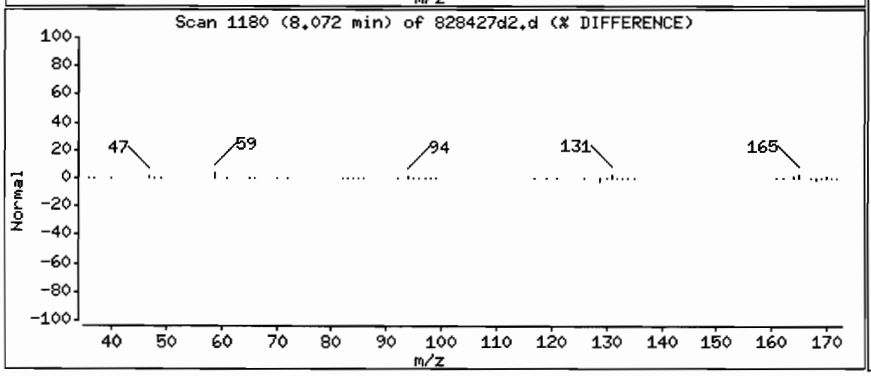












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828427d2.d

Date : 01-MAY-2010 12:56

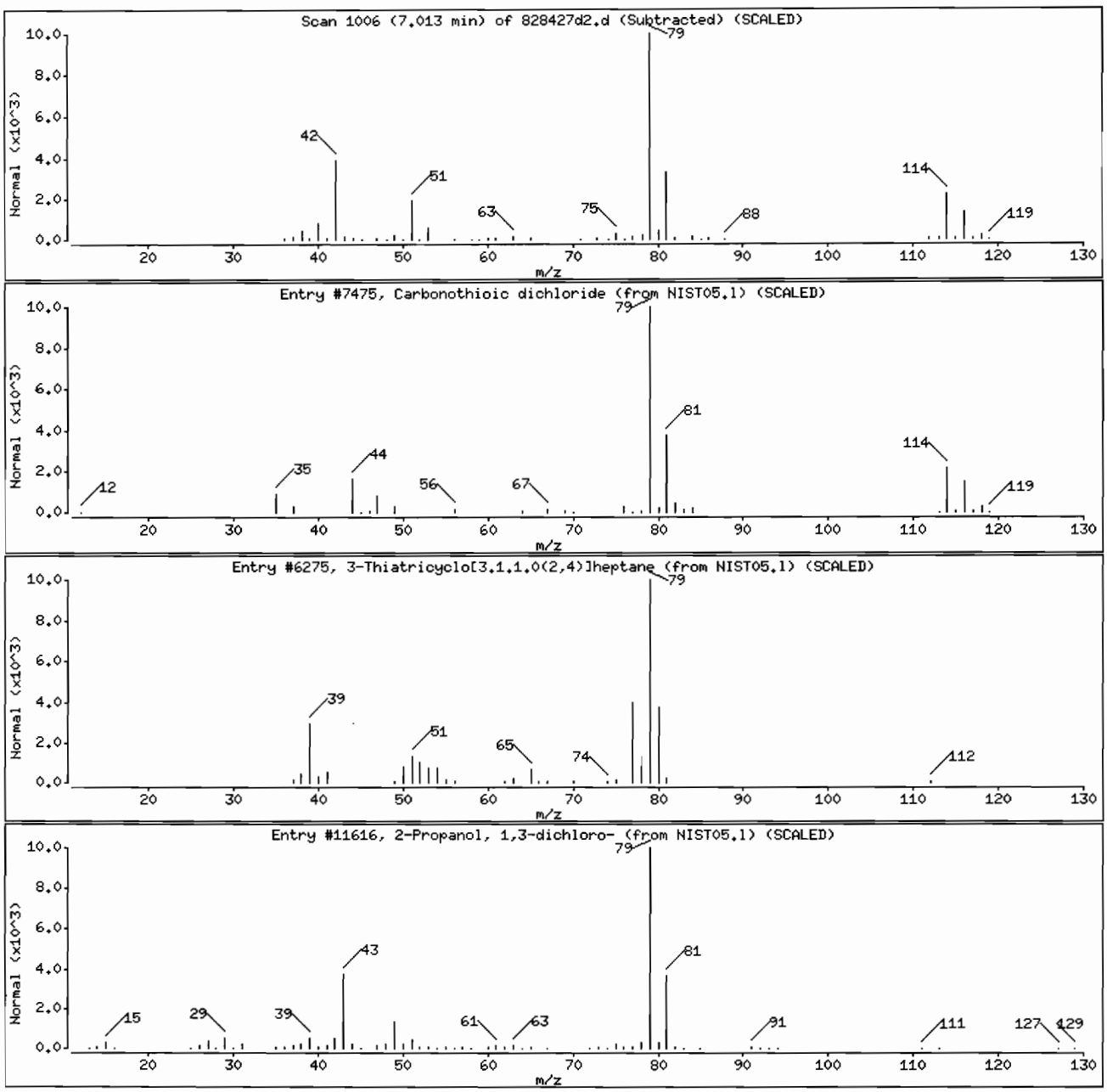
Client ID: ISCOIW-16 Instrument: J.i

Sample Info: ISCO IW-16 :[ ]04/28/10 @1400(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	32	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	32	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-16DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 27.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	140	U
75-15-0	Carbon disulfide	14	U
79-20-9	Methyl acetate	14	U
75-09-2	Methylene chloride	14	U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-butyl ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	140	U
74-97-5	Bromochloromethane	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOIW-16DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 27.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	280	D
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-pentanone	140	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	140	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
95-47-6	o-Xylene	14	U
179601-23-1	m,p-Xylene	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U
87-61-6	1,2,3-Trichlorobenzene	14	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOIW-16DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828427D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828427D

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 27.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

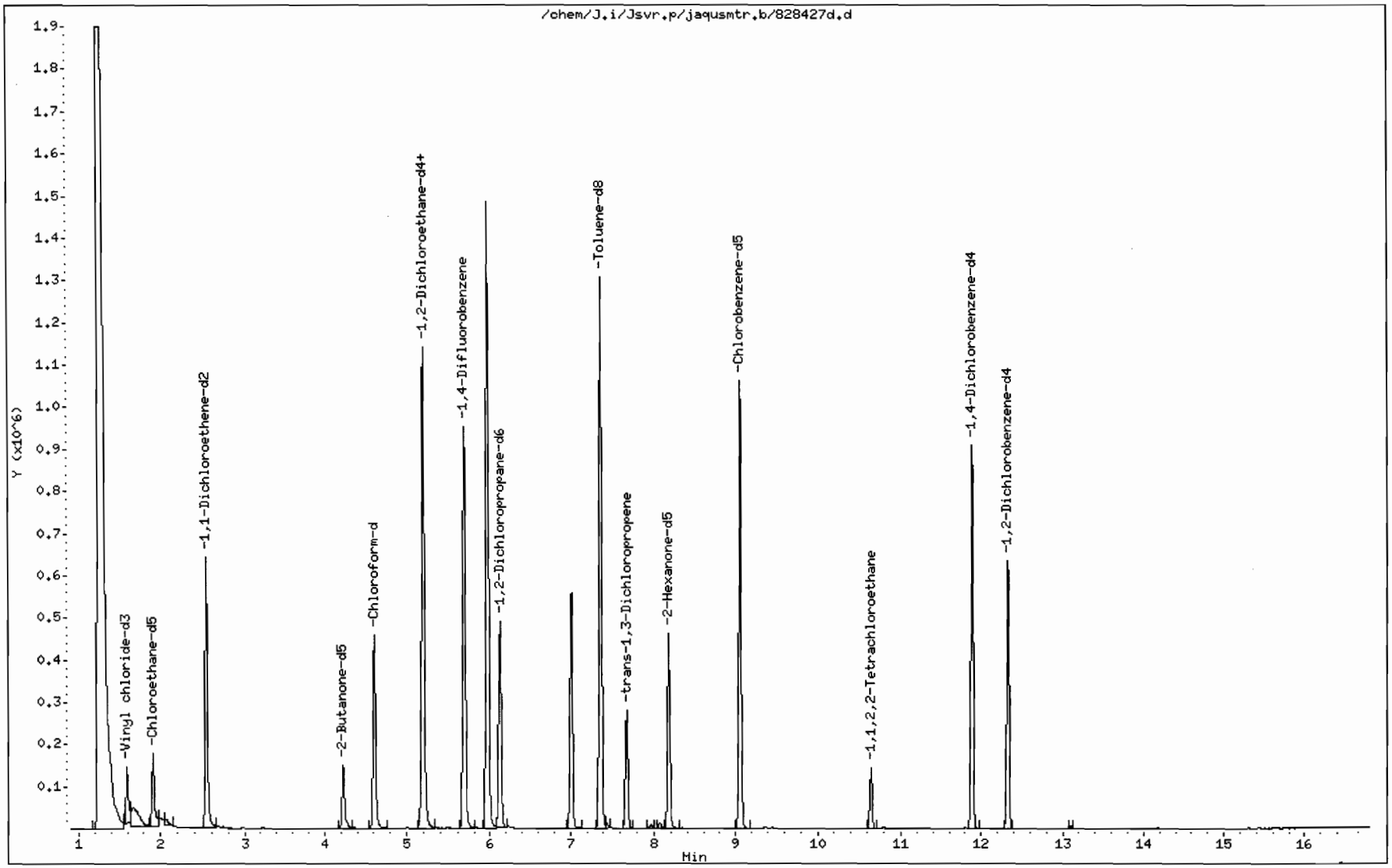
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	78	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828427d.d
Date : 01-MAY-2010 01:50
Client ID: ISCOIW-16DL
Sample Info: ISCO IW-16DL :[ ]04/28/10 @1400(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828427d.d
Lab Smp Id: 828427D1 Client Smp ID: ISCOIW-16DL
Inj Date : 01-MAY-2010 01:50
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-16DL :[ ]04/28/10 @1400(WATER)
Misc Info : 828427D1,043010JC,27.5,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 17
Dil Factor: 27.50000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	27.50000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	364057	4.98931	5.0(a)
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	285950	5.19592	5.2(a)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	464138	3.83006	3.8(a)
	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	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.227	(0.745)	225757	47.3191	47(a)
	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	4.604	4.604	(0.811)	449123	4.68060	4.7(a)
	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	5.182	5.182	(0.913)	141457	4.71793	4.7(a)
$	29 Benzene-d6	84	5.195	5.195	(0.574)	1141221	4.72647	4.7(a)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	887350	5.00000	
	33 Trichloroethene	95	5.961	5.961	(0.659)	595988	10.1774	280
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	294738	4.30368	4.3(a)
	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	7.360	7.360	(0.813)	1025543	4.71956	4.7(a)
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.671	(0.847)	189483	4.43213	4.4(a)
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	191515	41.9510	42(a)
	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	9.052	9.052	(1.000)	686136	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	92866	4.46810	4.5(a)
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	282106	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.325	(1.037)	196902	4.56666	4.6(a)
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828427d.d
Lab Smp Id: 828427D1 Client Smp ID: ISCOIW-16DL
Inj Date : 01-MAY-2010 01:50
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW-16DL :[ ]04/28/10 @1400(WATER)
Misc Info : 828427D1,043010JC,27.5,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 17
Dil Factor: 27.50000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	27.50000	Dilution Factor
X	25.00000	method volume 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	5.675	2010859	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.014	1135183	2.82263107	78	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828427d.d

Date : 01-MAY-2010 01:50

Client ID: ISCOIW-16DL

Instrument: J.i

Sample Info: ISCO IW-16DL :[ ]04/28/10 @1400(WATER)

Purge Volume: 25.0

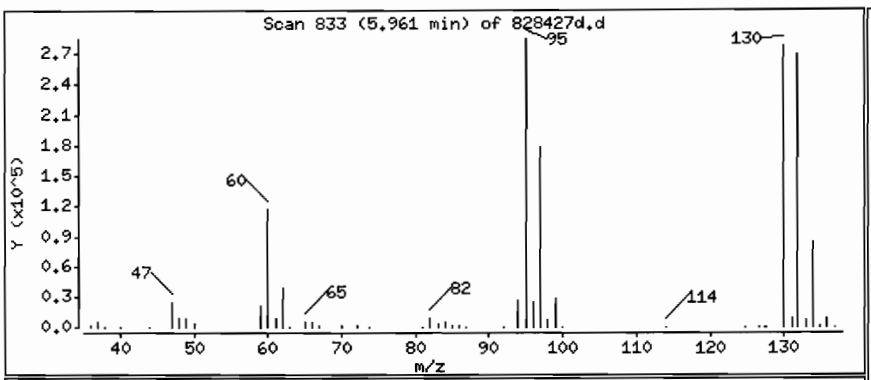
Operator: JP1

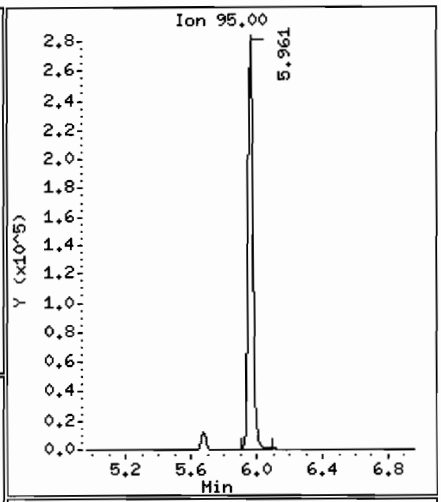
Column phase: DB-624

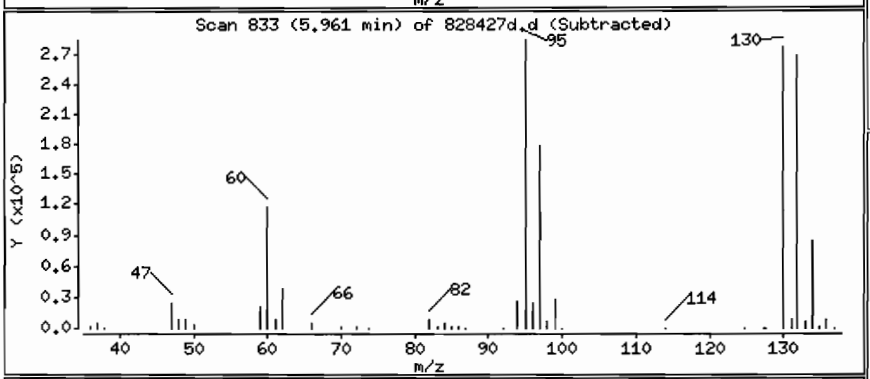
Column diameter: 0.53

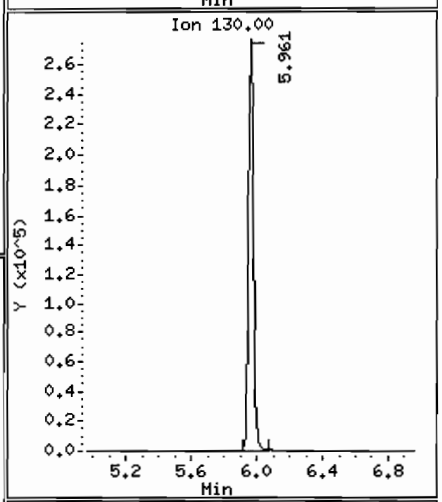
33 Trichloroethene

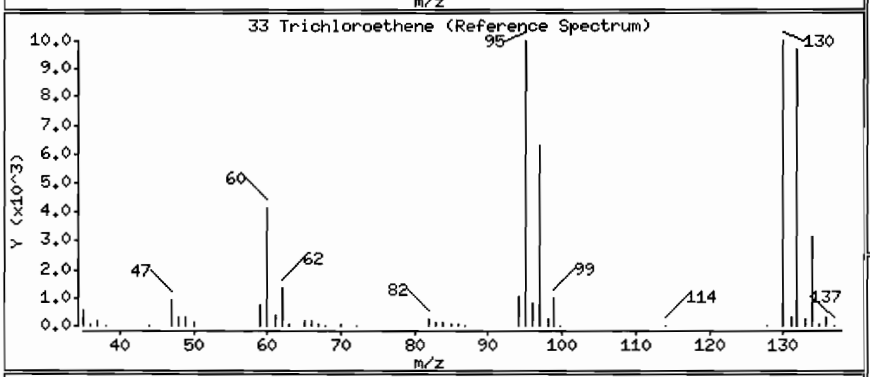
Concentration: 280 ug/L

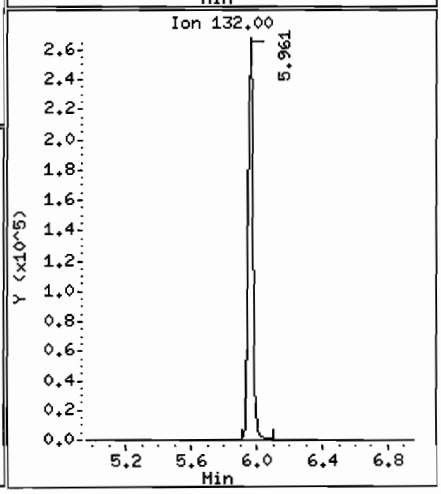


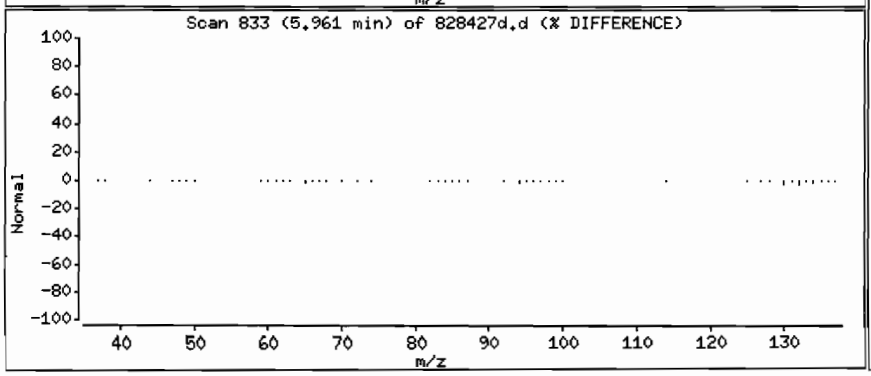












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828427d.d

Date : 01-MAY-2010 01:50

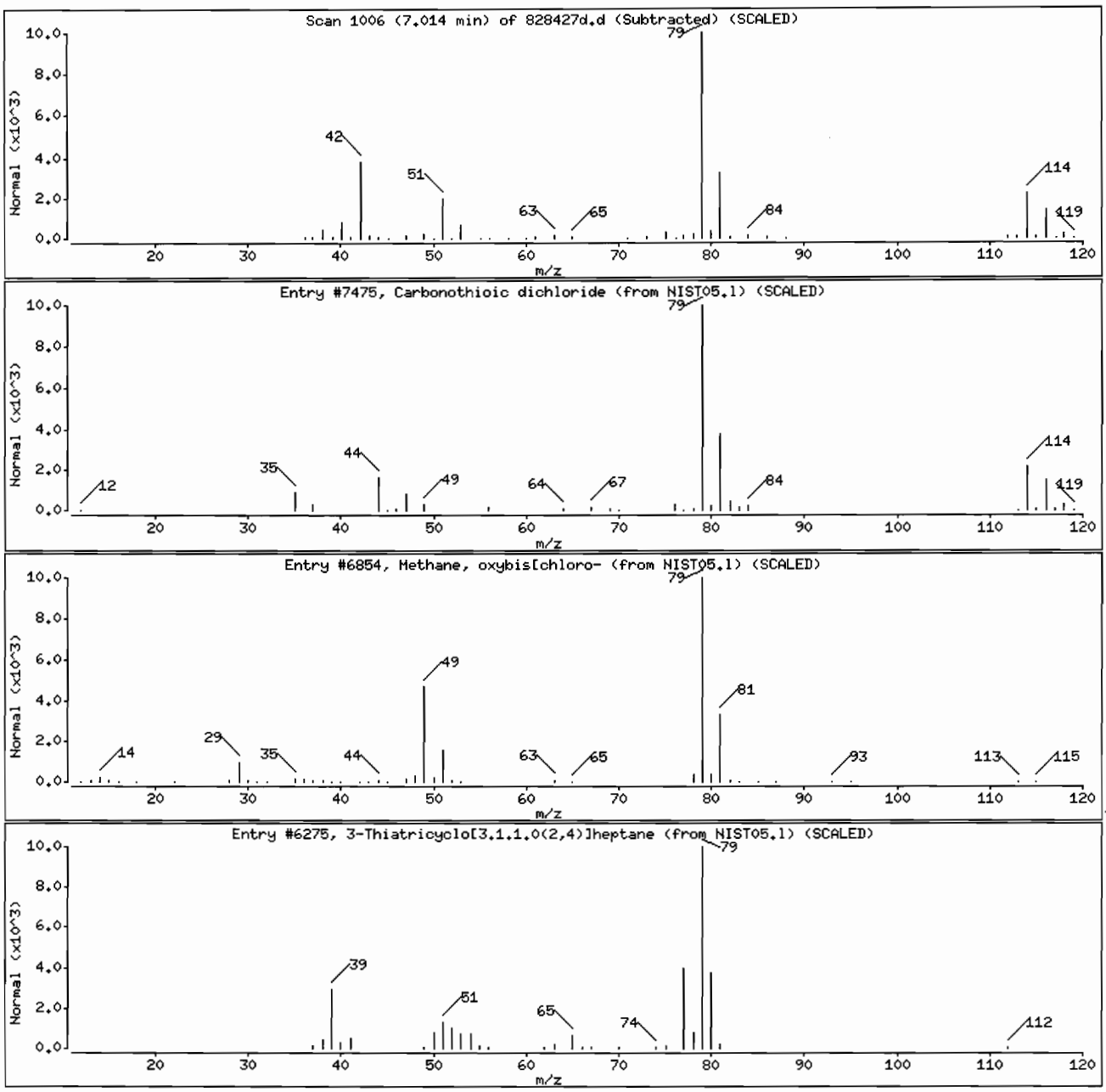
Client ID: ISCOIW-16DL Instrument: J.i

Sample Info: ISCO IW-16DL :[J04/28/10 @1400(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOMW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D3

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.60	U
74-87-3	Chloromethane	0.60	U
75-01-4	Vinyl chloride	0.60	U
74-83-9	Bromomethane	0.60	U
75-00-3	Chloroethane	0.60	U
75-69-4	Trichlorofluoromethane	0.60	U
75-35-4	1,1-Dichloroethene	0.60	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.60	U
67-64-1	Acetone	19	B
75-15-0	Carbon disulfide	0.60	U
79-20-9	Methyl acetate	0.60	U
75-09-2	Methylene chloride	0.60	U
156-60-5	trans-1,2-Dichloroethene	0.60	U
1634-04-4	Methyl tert-butyl ether	0.38	J
75-34-3	1,1-Dichloroethane	0.60	U
156-59-2	cis-1,2-Dichloroethene	1.3	
78-93-3	2-Butanone	0.52	JB
74-97-5	Bromochloromethane	0.60	U
67-66-3	Chloroform	0.60	U
71-55-6	1,1,1-Trichloroethane	0.60	U
110-82-7	Cyclohexane	0.60	U
56-23-5	Carbon tetrachloride	0.60	U
71-43-2	Benzene	0.60	U
107-06-2	1,2-Dichloroethane	0.60	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOMW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D3

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	240	E
108-87-2	Methylcyclohexane	0.60	U
78-87-5	1,2-Dichloropropane	0.60	U
75-27-4	Bromodichloromethane	0.60	U
10061-01-5	cis-1,3-Dichloropropene	0.60	U
108-10-1	4-Methyl-2-pentanone	6.0	U
108-88-3	Toluene	0.29	J
10061-02-6	trans-1,3-Dichloropropene	0.60	U
79-00-5	1,1,2-Trichloroethane	0.60	U
127-18-4	Tetrachloroethene	1.9	
591-78-6	2-Hexanone	6.0	U
124-48-1	Dibromochloromethane	0.60	U
106-93-4	1,2-Dibromoethane	0.60	U
108-90-7	Chlorobenzene	0.60	U
100-41-4	Ethylbenzene	0.60	U
95-47-6	o-Xylene	0.60	U
179601-23-1	m,p-Xylene	0.60	U
100-42-5	Styrene	0.60	U
75-25-2	Bromoform	0.60	U
98-82-8	Isopropylbenzene	0.60	U
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U
541-73-1	1,3-Dichlorobenzene	0.60	U
106-46-7	1,4-Dichlorobenzene	0.60	U
95-50-1	1,2-Dichlorobenzene	0.60	U
96-12-8	1,2-Dibromo-3-chloropropane	0.60	U
120-82-1	1,2,4-Trichlorobenzene	0.60	U
87-61-6	1,2,3-Trichlorobenzene	0.60	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOMW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D3

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	67-63-0	Isopropyl Alcohol	2.71	9.3	NJ
02		Unknown	7.01	3.3	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d3.d
Date : 01-MAY-2010 15:14
Client ID: ISCOMW01
Sample Info: ISCO MW 01 :[J04/27/10 @1500(WATER)
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5
Y (x10^7)
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
Min
/chem/J.i/Jsvr.p/jaqvsmtr.b/828422d3.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d3.d
Lab Smp Id: 828422 Client Smp ID: ISCOMW01
Inj Date : 01-MAY-2010 15:14
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW 01 :[ ]04/27/10 @1500(WATER)
Misc Info : 828422,050110JD,1.2,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 1.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.20000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	362421	4.68090	4.7
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	285609	4.89090	4.9
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	475847	3.70059	3.7
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	2.597	2.597	(0.458)	42823	15.9998	19
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.230	3.229	(0.569)	23792	0.31845	0.38(a)
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.233	4.233	(0.746)	231423	45.7137	46
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	65991	1.11068	1.3
	21 2-Butanone	43	4.300	4.294	(0.758)	2257	0.43084	0.52(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.611	4.610	(0.812)	450646	4.42605	4.4
	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	5.182	5.182	(0.913)	138120	4.34139	4.3
$	29 Benzene-d6	84	5.201	5.200	(0.575)	1174301	4.65607	4.7
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	941565	5.00000	
	33 Trichloroethene	95	5.967	5.961	(0.659)	12037335	196.789	240(A)
$	34 1,2-Dichloropropane-d6	67	6.125	6.119	(0.677)	281435	3.93419	3.9(R)
	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	7.360	7.360	(0.813)	1064467	4.68978	4.7
	41 Toluene	91	7.433	7.439	(0.821)	66303	0.24145	0.29(a)
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.670	(0.847)	197036	4.41225	4.4
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.066	8.066	(0.891)	75633	1.55336	1.9
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	215721	45.2382	45
	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	9.052	9.051	(1.000)	716700	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	93010	4.28419	4.3
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.887	11.886	(1.000)	300189	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.325	12.324	(1.037)	204433	4.45571	4.5(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).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d3.d
Lab Smp Id: 828422 Client Smp ID: ISCOMW01
Inj Date : 01-MAY-2010 15:14
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW 01 :[ ]04/27/10 @1500(WATER)
Misc Info : 828422,050110JD,1.2,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 1.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.20000	Dilution Factor
X	25.00000	method volume 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	5.675	2107058	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Isopropyl Alcohol				CAS #: 67-63-0			
2.706	3263768	7.74484178	9.3	86	NIST05.l	290	32
Unknown				CAS #:			
7.014	1156947	2.74540719	3.3	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d3.d

Date : 01-MAY-2010 15:14

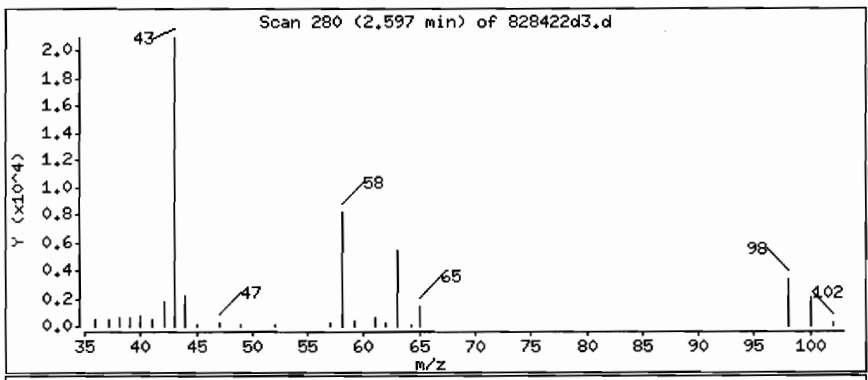
Client ID: ISCOMW01 Instrument: J.i

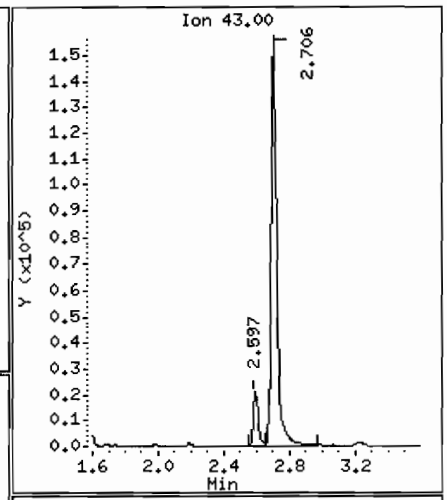
Sample Info: ISCO MW 01 :[J04/27/10 @1500(WATER)

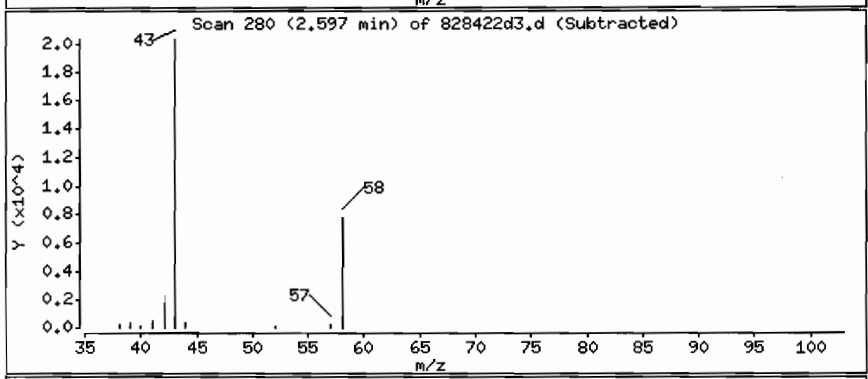
Purge Volume: 25.0 Operator: JP1

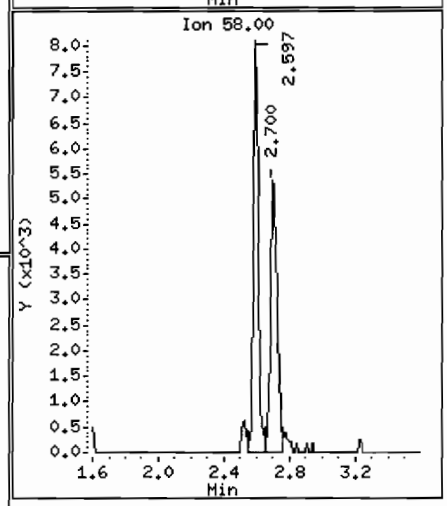
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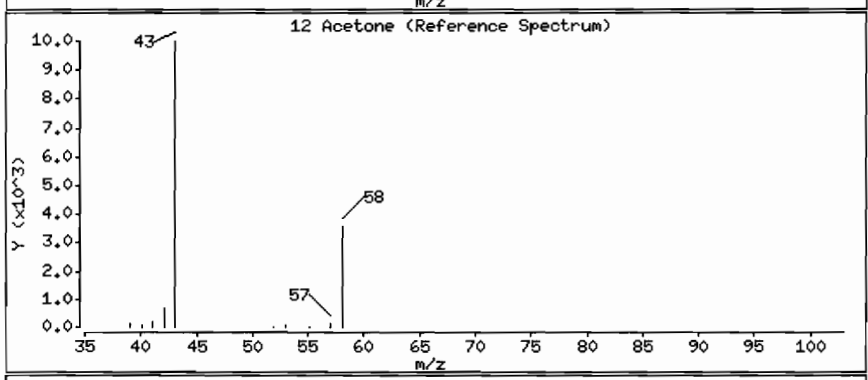
12 Acetone Concentration: 19 ug/L

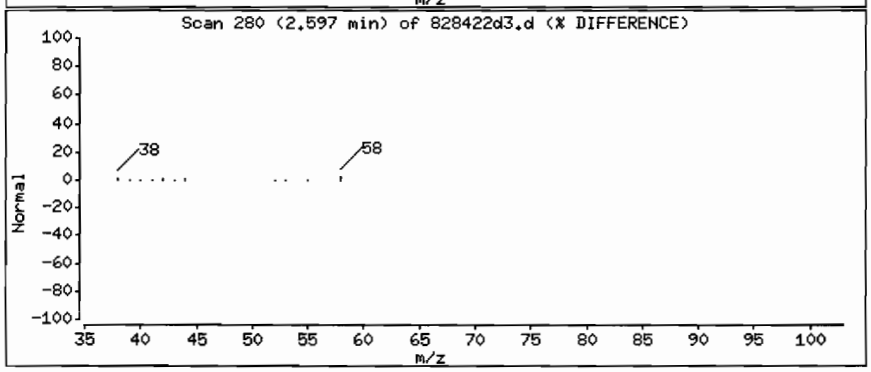












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d3.d

Date : 01-MAY-2010 15:14

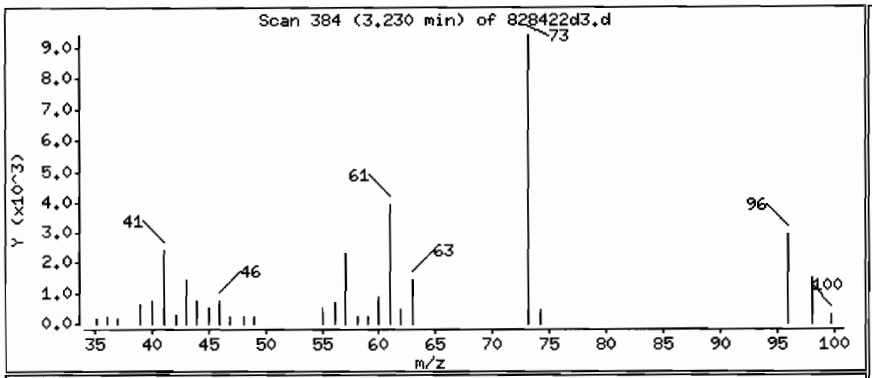
Client ID: ISCOMW01 Instrument: J.i

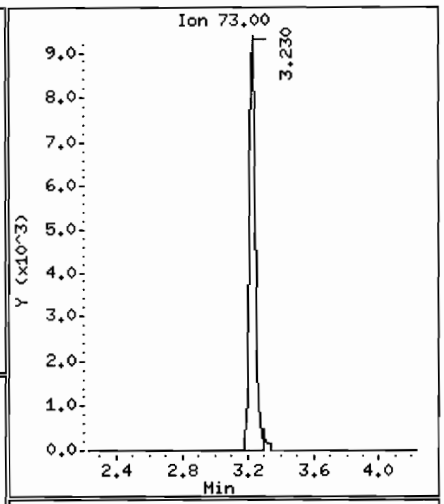
Sample Info: ISCO MW 01 :[ ]04/27/10 @1500(WATER)

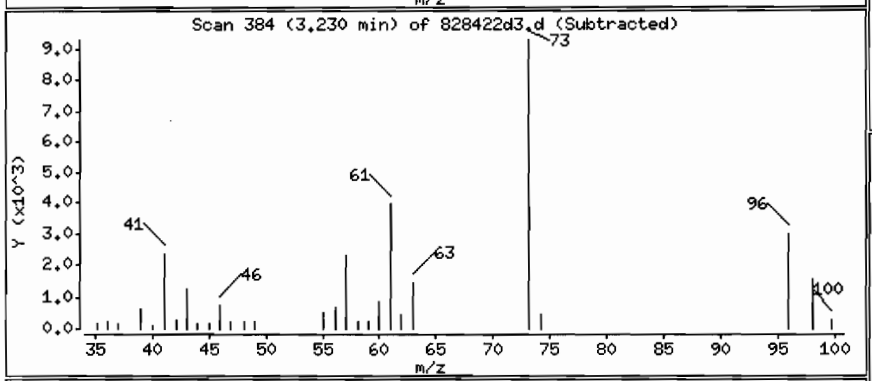
Purge Volume: 25.0 Operator: JP1

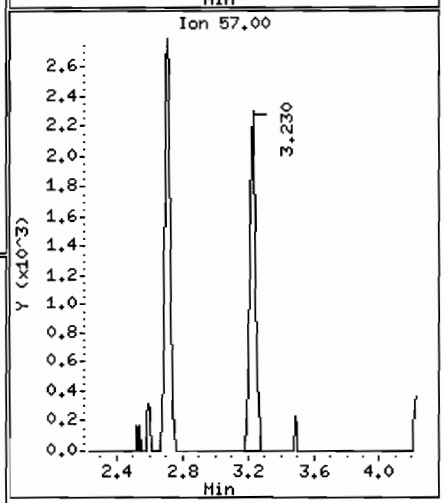
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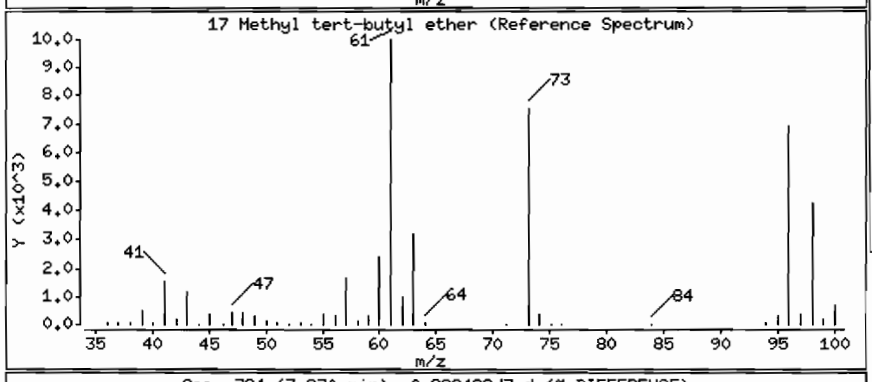
17 Methyl tert-butyl ether Concentration: 0.38 ug/L

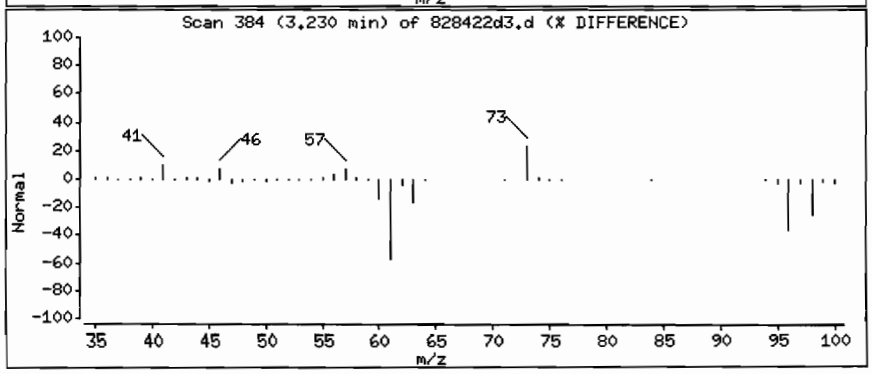












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d3.d

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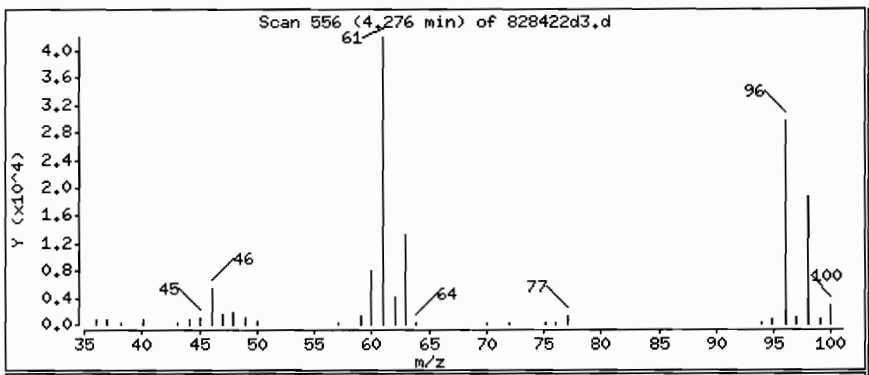
Client ID: ISCOMW01 Instrument: J.i

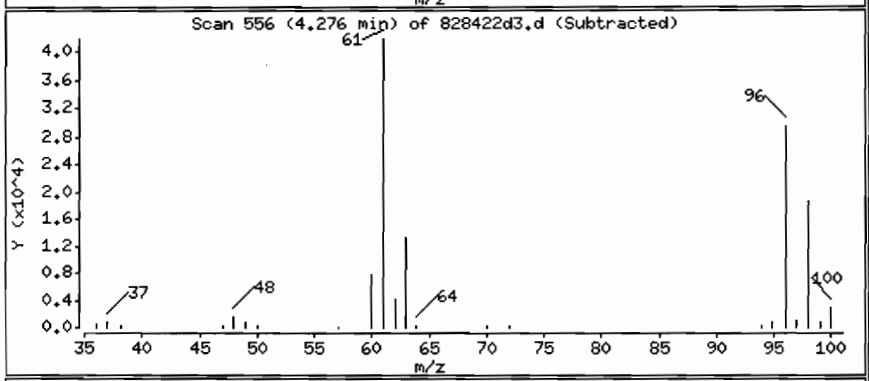
Sample Info: ISCO MW 01 :[ ]04/27/10 @1500(WATER)

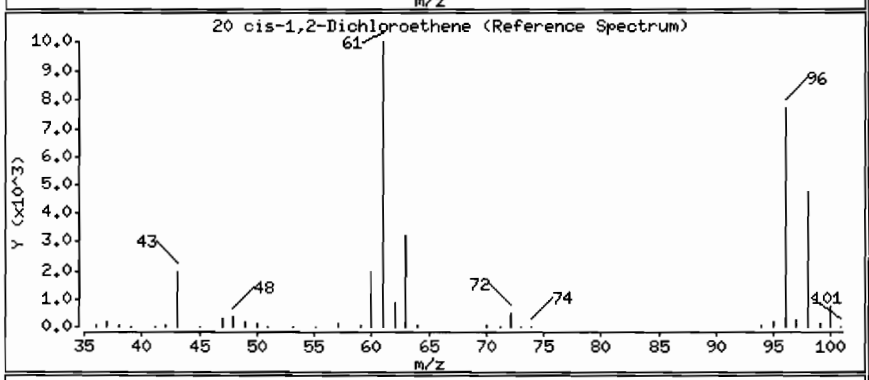
Purge Volume: 25.0 Operator: JP1

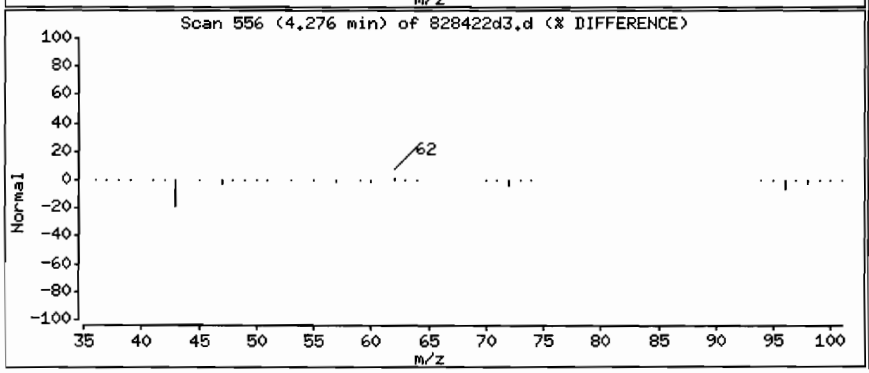
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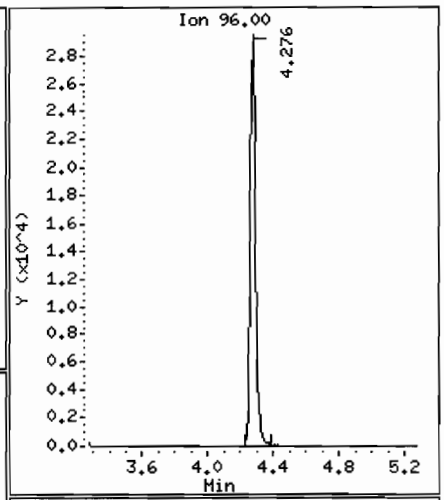
20 cis-1,2-Dichloroethene Concentration: 1.3 ug/L

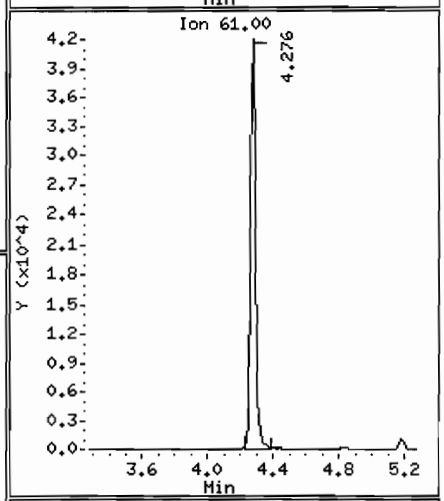


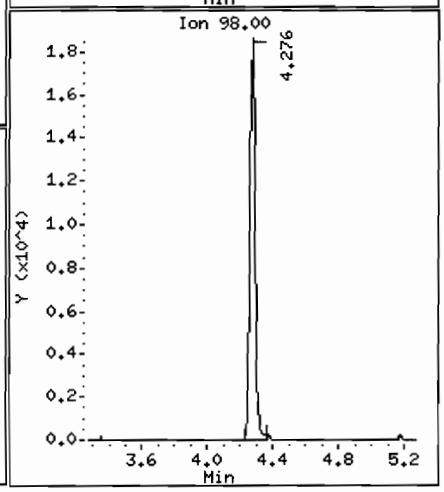












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d3.d

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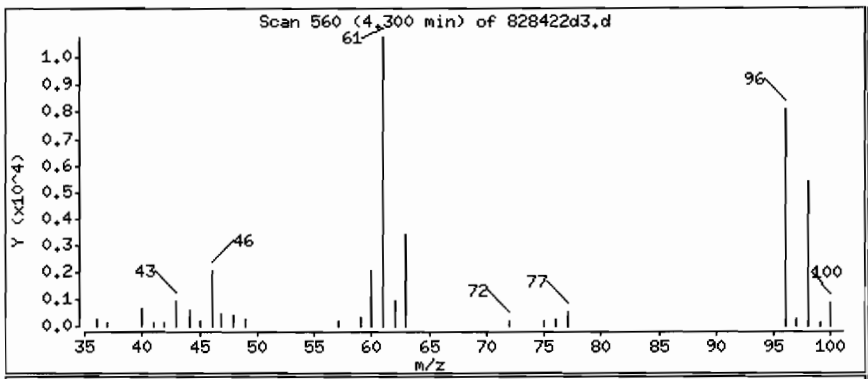
Client ID: ISCOMW01 Instrument: J.i

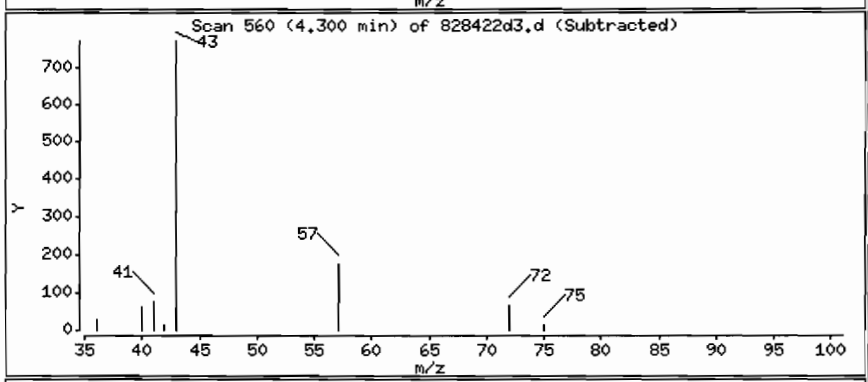
Sample Info: ISCO MW 01 :[J04/27/10 @1500(WATER)

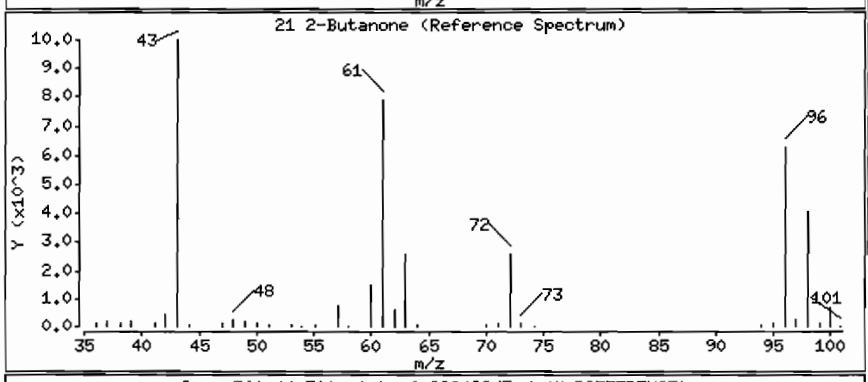
Purge Volume: 25.0 Operator: JP1

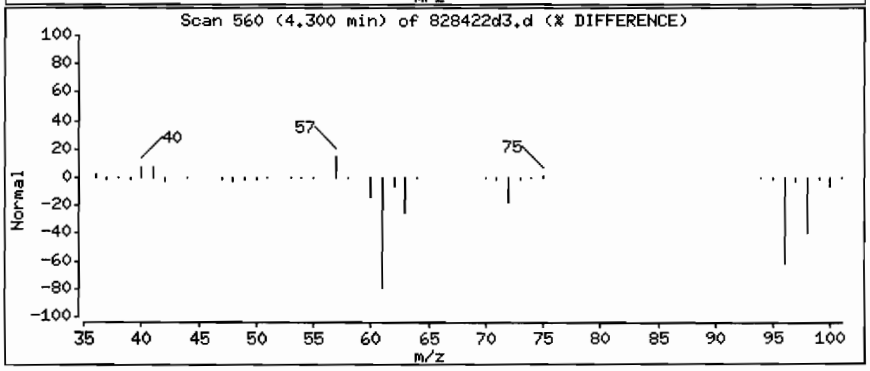
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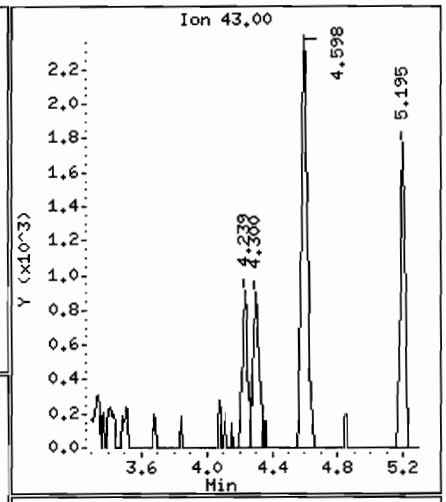
21 2-Butanone Concentration: 0.52 ug/L

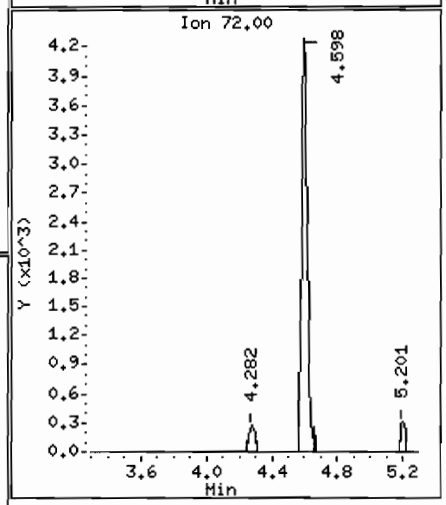












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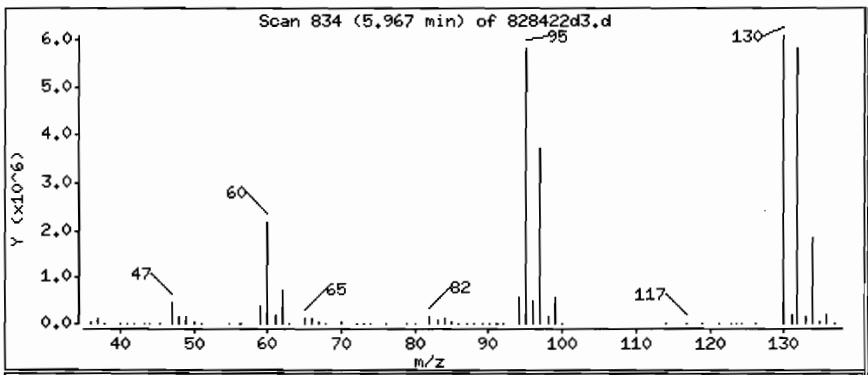
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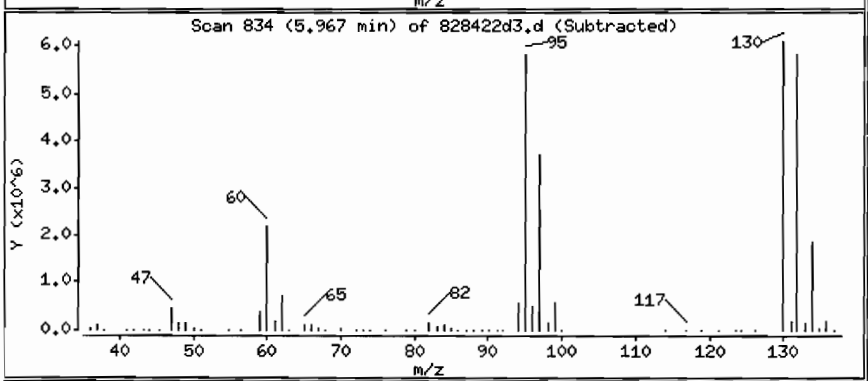
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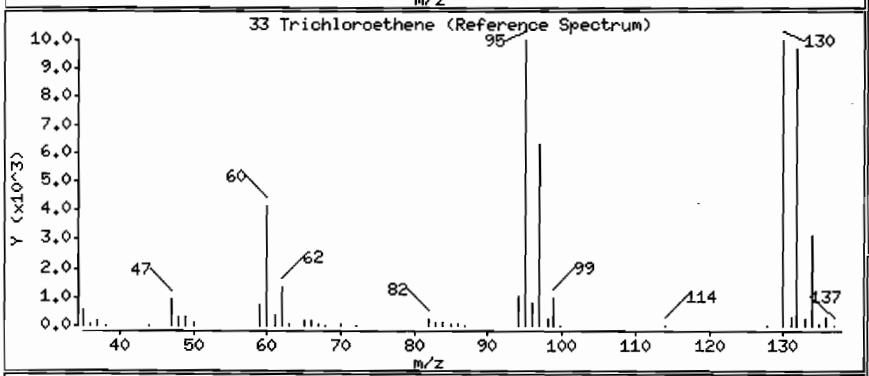
Purge Volume: 25.0 Operator: JP1

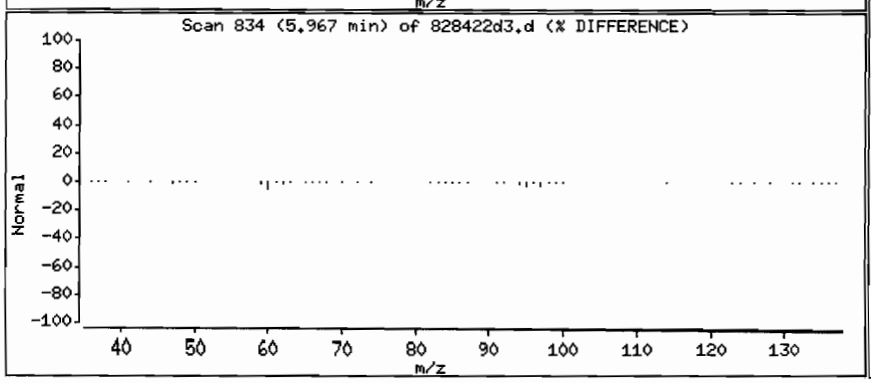
Column phase: DB-624 Column diameter: 0.53

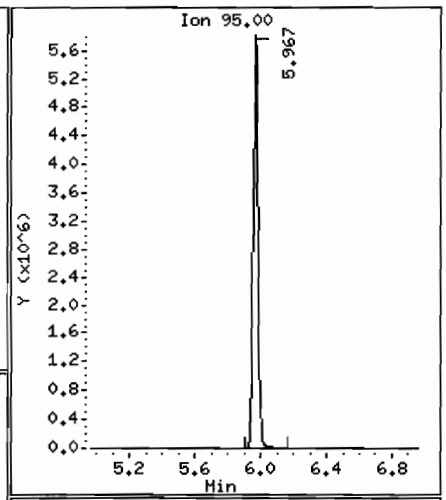
33 Trichloroethene Concentration: 240 ug/L

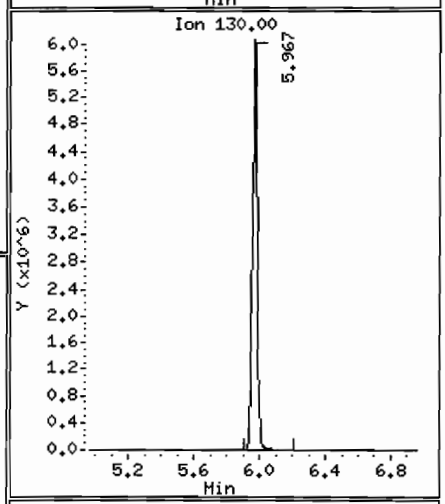


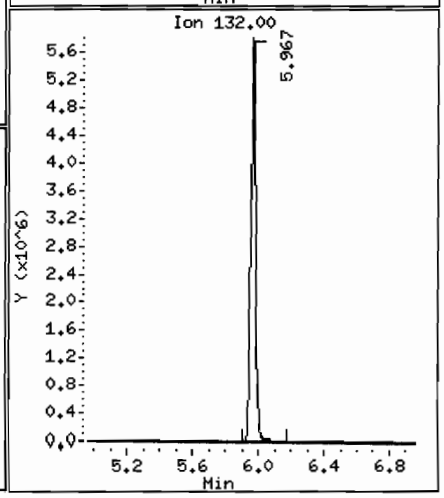












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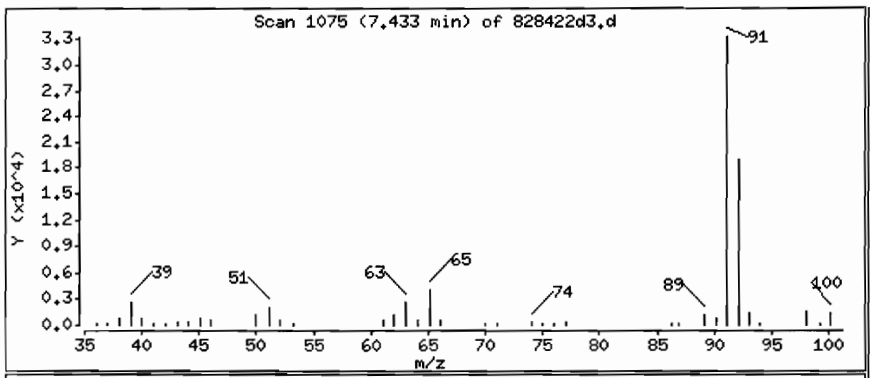
Client ID: ISCOMW01 Instrument: J.i

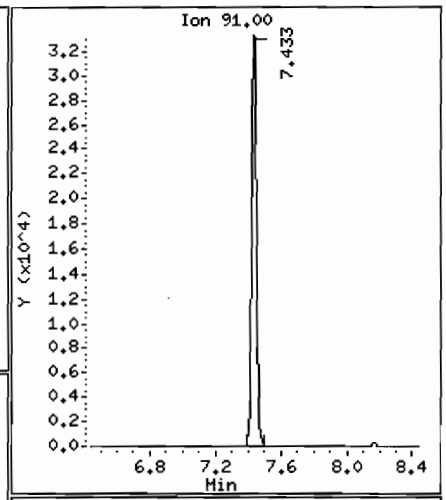
Sample Info: ISCO MW 01 :[ ]04/27/10 @1500(WATER)

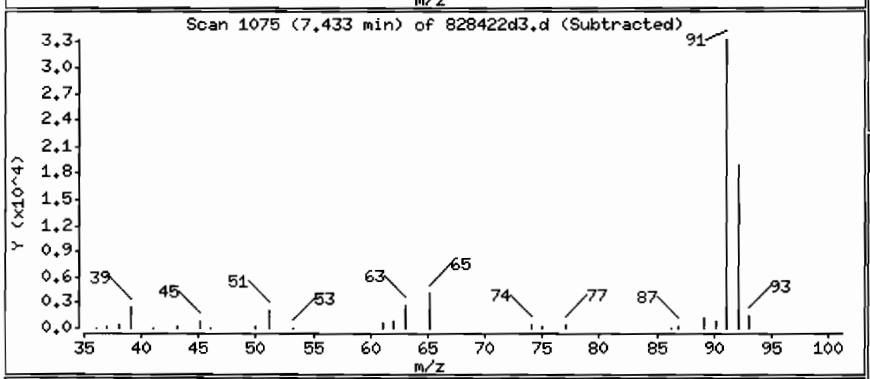
Purge Volume: 25.0 Operator: JP1

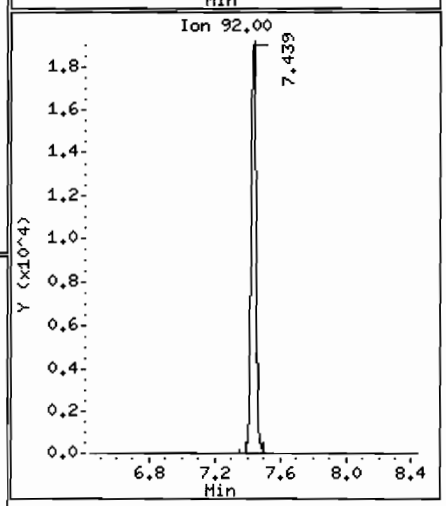
Column phase: DB-624 Column diameter: 0.53

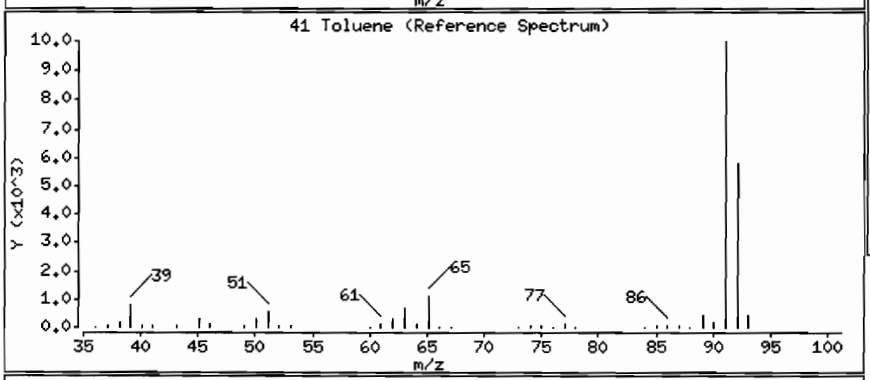
41 Toluene Concentration: 0.29 ug/L

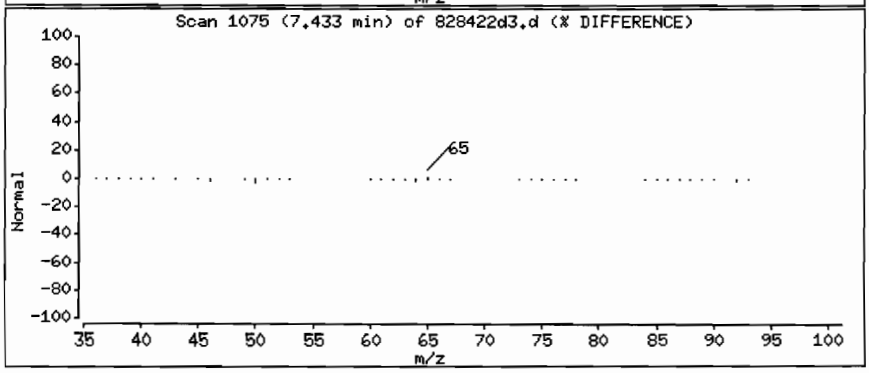












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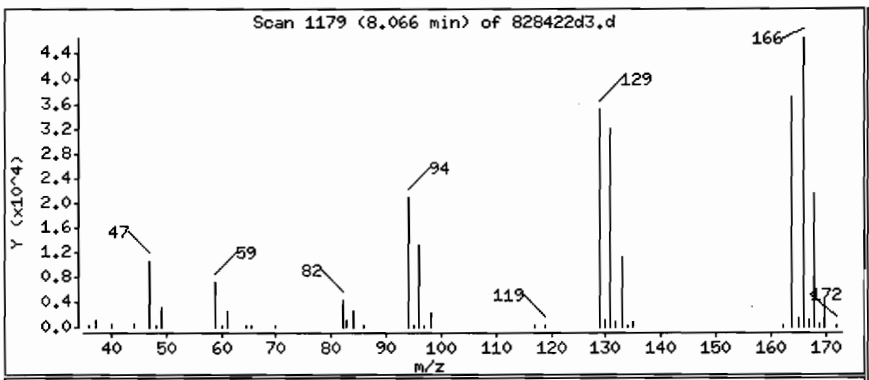
Client ID: ISCOMW01 Instrument: J.i

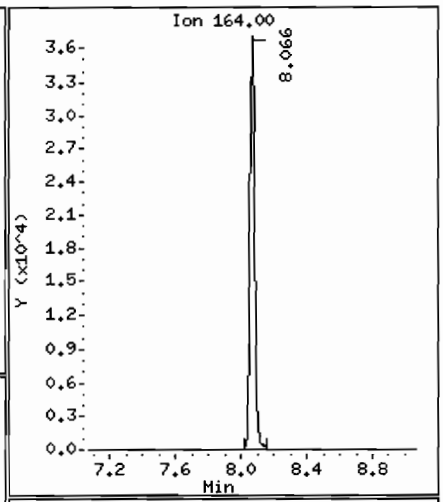
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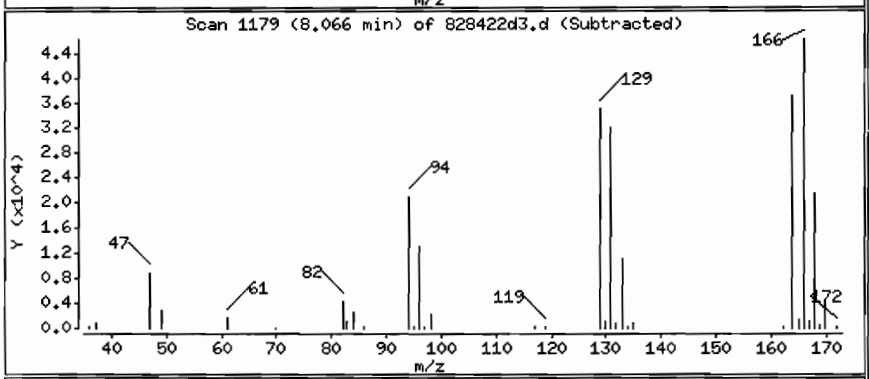
Purge Volume: 25.0 Operator: JP1

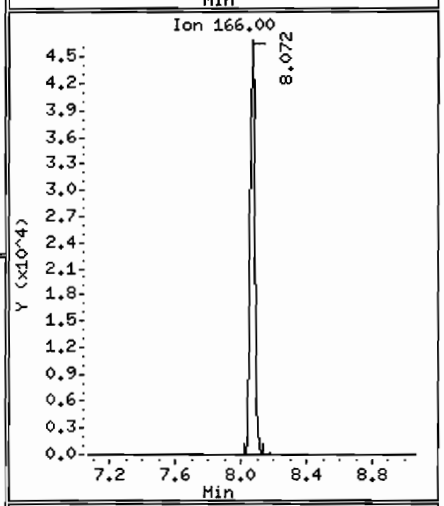
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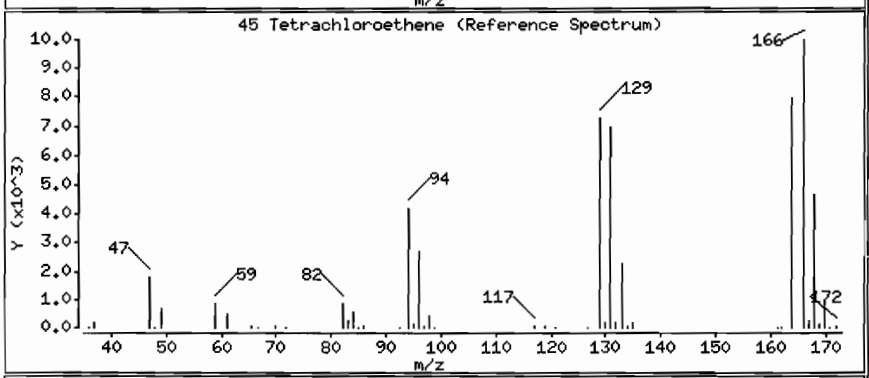
45 Tetrachloroethene Concentration: 1.9 ug/L

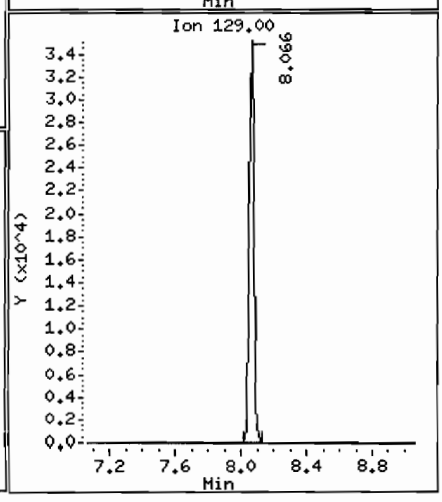


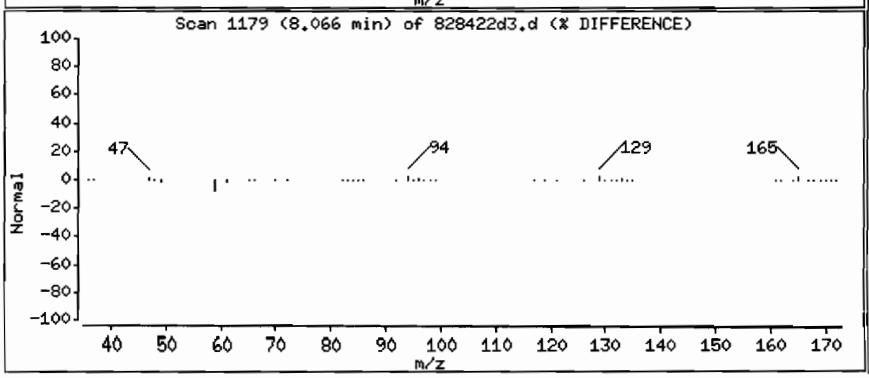












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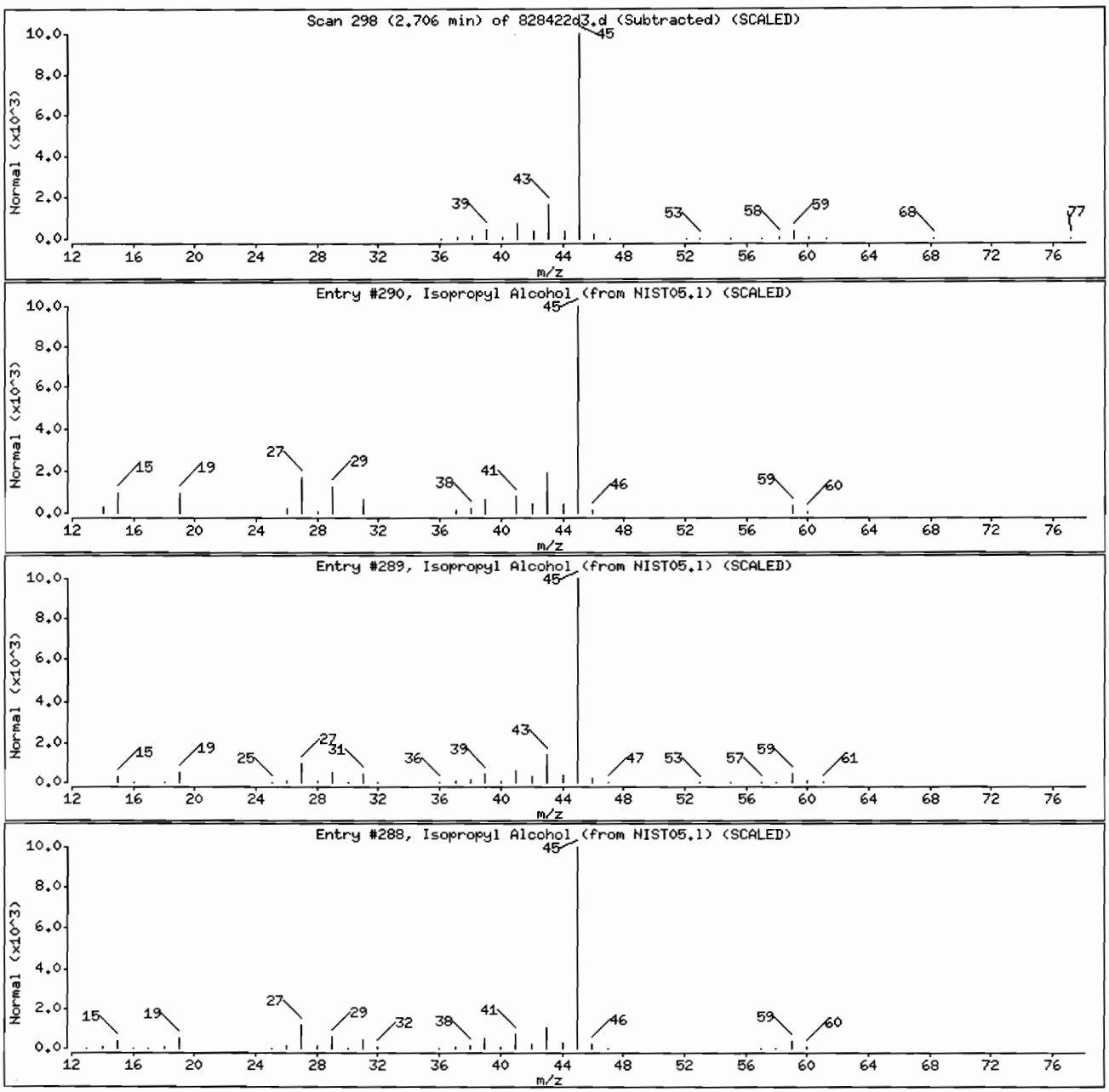
Client ID: ISCOHW01 Instrument: J.i

Sample Info: ISCO MW 01 :[ ]04/27/10 @1500(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isopropyl Alcohol	67-63-0	NIST05.1	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	289	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	86	C3H8O	60



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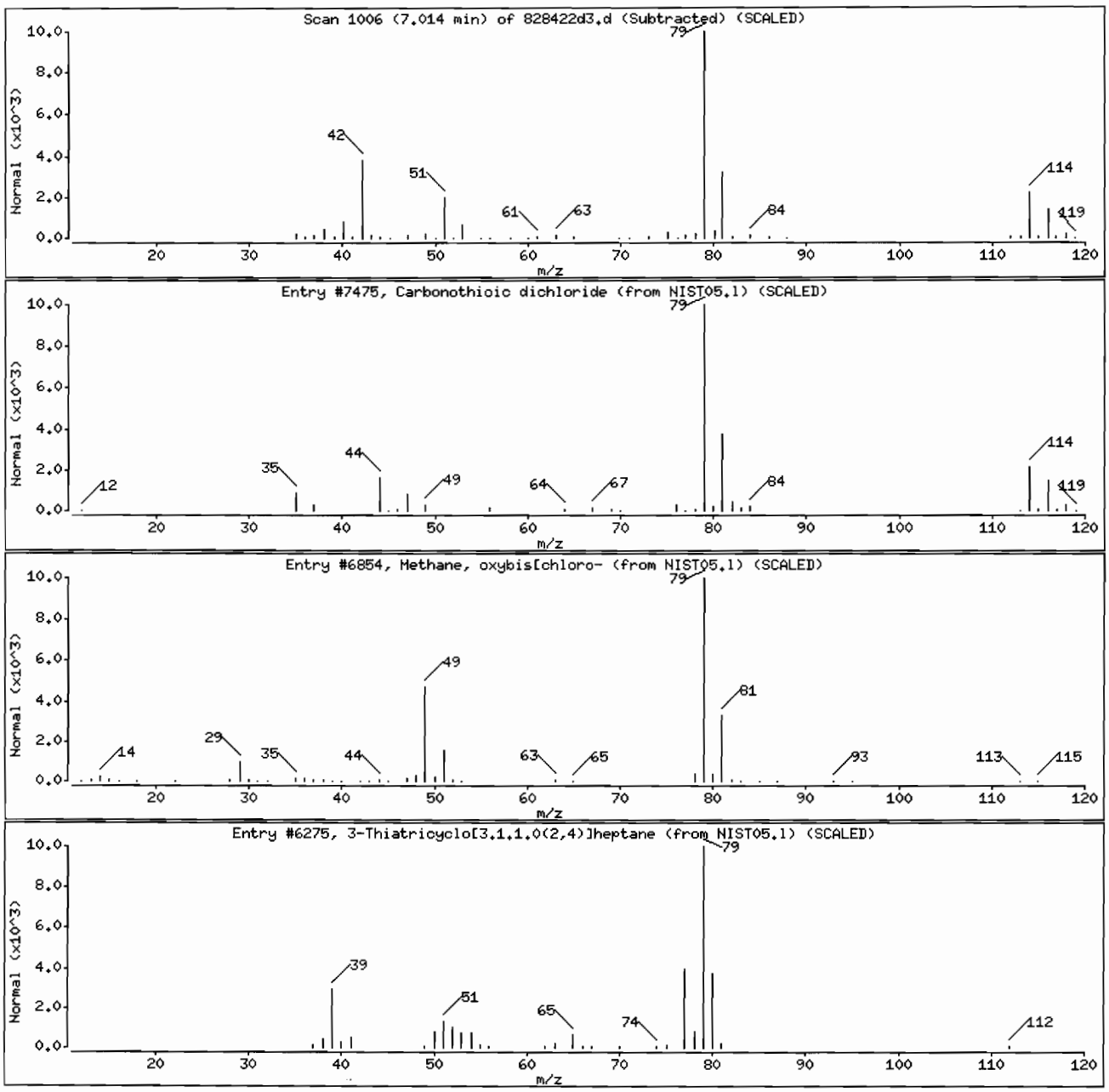
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Sample Info: ISCO MW 01 :[ ]04/27/10 @1500(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	38	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOMW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D2

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 14.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	7.1	U
74-87-3	Chloromethane	7.1	U
75-01-4	Vinyl chloride	7.1	U
74-83-9	Bromomethane	7.1	U
75-00-3	Chloroethane	7.1	U
75-69-4	Trichlorofluoromethane	7.1	U
75-35-4	1,1-Dichloroethene	7.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	U
67-64-1	Acetone	27	DJB
75-15-0	Carbon disulfide	7.1	U
79-20-9	Methyl acetate	7.1	U
75-09-2	Methylene chloride	7.1	U
156-60-5	trans-1,2-Dichloroethene	7.1	U
1634-04-4	Methyl tert-butyl ether	7.1	U
75-34-3	1,1-Dichloroethane	7.1	U
156-59-2	cis-1,2-Dichloroethene	7.1	U
78-93-3	2-Butanone	71	U
74-97-5	Bromochloromethane	7.1	U
67-66-3	Chloroform	7.1	U
71-55-6	1,1,1-Trichloroethane	7.1	U
110-82-7	Cyclohexane	7.1	U
56-23-5	Carbon tetrachloride	7.1	U
71-43-2	Benzene	7.1	U
107-06-2	1,2-Dichloroethane	7.1	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOMW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D2

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 14.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	240	D
108-87-2	Methylcyclohexane	7.1	U
78-87-5	1,2-Dichloropropane	7.1	U
75-27-4	Bromodichloromethane	7.1	U
10061-01-5	cis-1,3-Dichloropropene	7.1	U
108-10-1	4-Methyl-2-pentanone	71	U
108-88-3	Toluene	7.1	U
10061-02-6	trans-1,3-Dichloropropene	7.1	U
79-00-5	1,1,2-Trichloroethane	7.1	U
127-18-4	Tetrachloroethene	7.1	U
591-78-6	2-Hexanone	71	U
124-48-1	Dibromochloromethane	7.1	U
106-93-4	1,2-Dibromoethane	7.1	U
108-90-7	Chlorobenzene	7.1	U
100-41-4	Ethylbenzene	7.1	U
95-47-6	o-Xylene	7.1	U
179601-23-1	m,p-Xylene	7.1	U
100-42-5	Styrene	7.1	U
75-25-2	Bromoform	7.1	U
98-82-8	Isopropylbenzene	7.1	U
79-34-5	1,1,2,2-Tetrachloroethane	7.1	U
541-73-1	1,3-Dichlorobenzene	7.1	U
106-46-7	1,4-Dichlorobenzene	7.1	U
95-50-1	1,2-Dichlorobenzene	7.1	U
96-12-8	1,2-Dibromo-3-chloropropane	7.1	U
120-82-1	1,2,4-Trichlorobenzene	7.1	U
87-61-6	1,2,3-Trichlorobenzene	7.1	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOMW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828422D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828422D2

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 14.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	40	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d2.d
Date : 01-MAY-2010 14:17
Client ID: ISCOMW01DL
Sample Info: ISCO MW 01DL :[J04/27/10 @1500(WATER)
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5
/chem/J.i/Jsvr.p/jaqvsmtr.b/828422d2.d
Y (x10^6)
Min
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d2.d
Lab Smp Id: 828422D1 Client Smp ID: ISCOMW01DL
Inj Date : 01-MAY-2010 14:17
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW 01DL :[ ]04/27/10 @1500(WATER)
Misc Info : 828422D1,050110JD,14.2,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 14.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	14.20000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	410399	5.15234	5.2(a)
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	319055	5.31086	5.3(a)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	520786	3.93682	3.9(a)
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	2.597	(0.456)	5295	1.92303	27(a)
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.233	(0.745)	208024	39.9425	40(a)
	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	4.604	4.610	(0.811)	497412	4.74875	4.7(a)
	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	5.182	5.182	(0.913)	144445	4.41323	4.4(a)
$	29 Benzene-d6	84	5.195	5.200	(0.574)	1277726	4.91101	4.9(a)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	968652	5.00000	
	33 Trichloroethene	95	5.961	5.961	(0.659)	1056845	16.7484	240
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	310551	4.20826	4.2(a)
	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	7.360	7.360	(0.813)	1155130	4.93337	4.9(a)
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.670	(0.847)	200376	4.34964	4.3(a)
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	180645	36.7224	37(a)
	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	9.052	9.051	(1.000)	739341	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	90185	4.02685	4.0(a)
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	298667	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.325	12.324	(1.037)	198416	4.34661	4.3(a)
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d2.d
Lab Smp Id: 828422D1 Client Smp ID: ISCOMW01DL
Inj Date : 01-MAY-2010 14:17
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW 01DL :[ ]04/27/10 @1500(WATER)
Misc Info : 828422D1,050110JD,14.2,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 14.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	14.20000	Dilution Factor
X	25.00000	method volume 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	5.675	2179657	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.007	1216529	2.79064333	40	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d2.d

Date : 01-MAY-2010 14:17

Client ID: ISCOMW01DL

Instrument: J.i

Sample Info: ISCO MW 01DL :[ ]04/27/10 @1500(WATER)

Purge Volume: 25.0

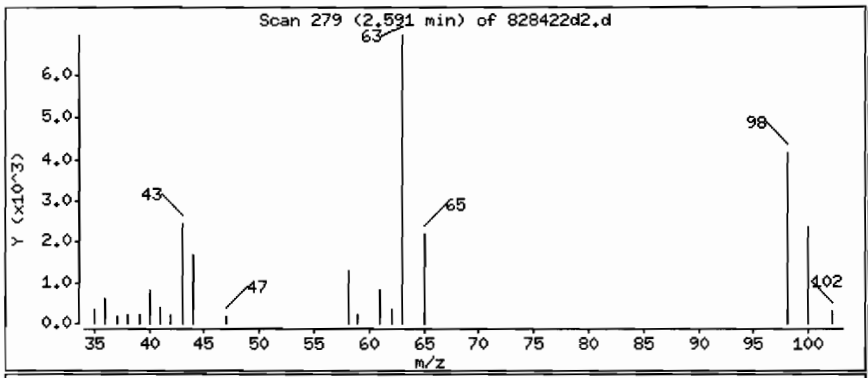
Operator: JP1

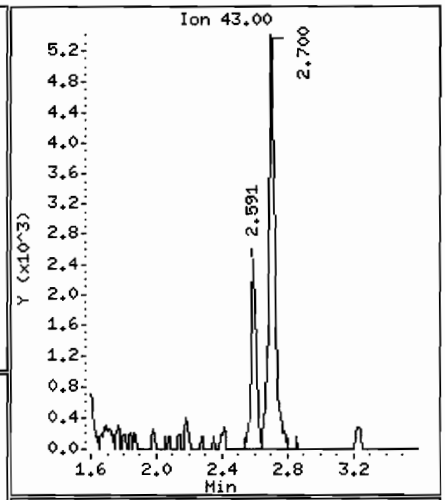
Column phase: DB-624

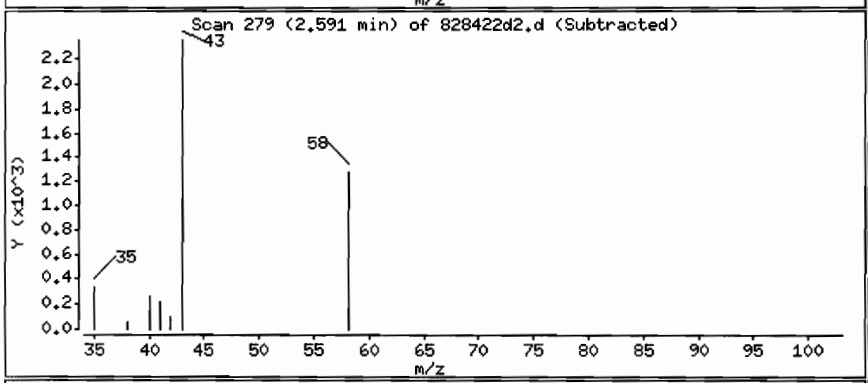
Column diameter: 0.53

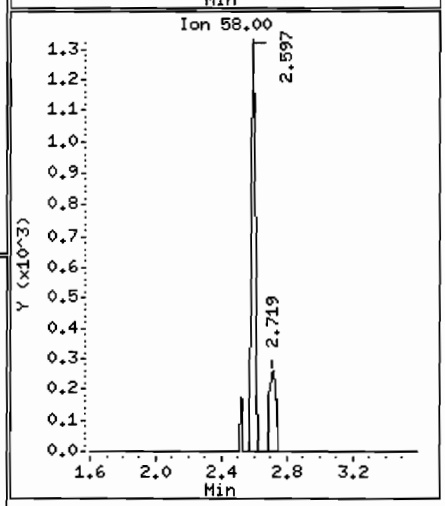
12 Acetone

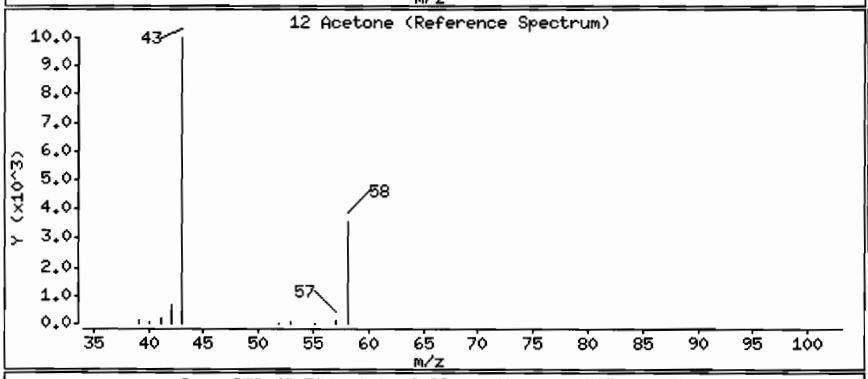
Concentration: 27 ug/L

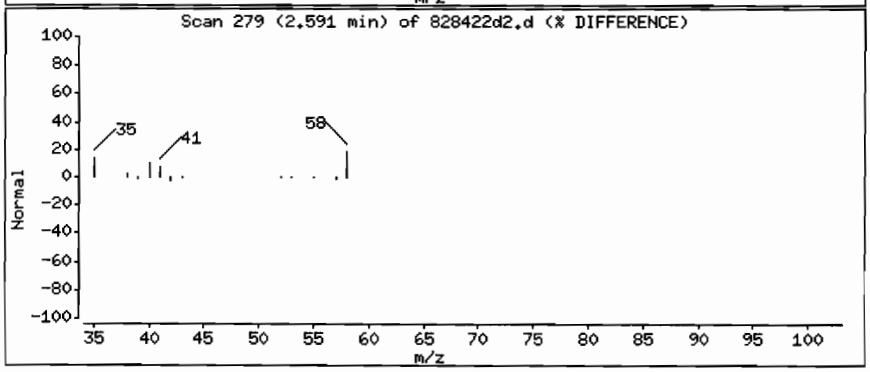












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d2.d

Date : 01-MAY-2010 14:17

Client ID: ISCOMW01DL

Instrument: J.i

Sample Info: ISCO MW 01DL :[ ]04/27/10 @1500(WATER)

Purge Volume: 25.0

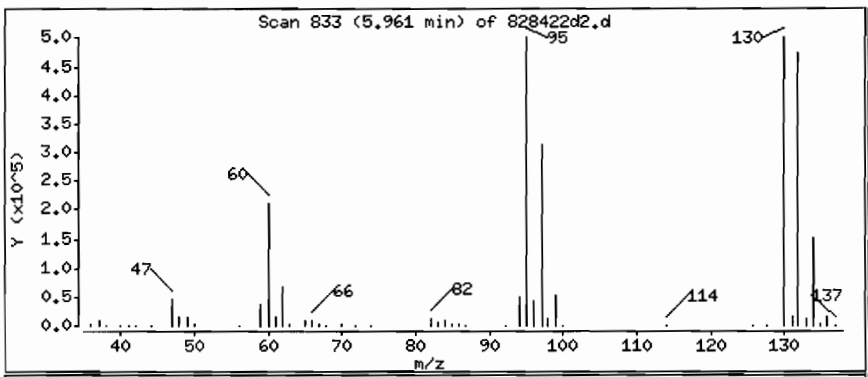
Operator: JP1

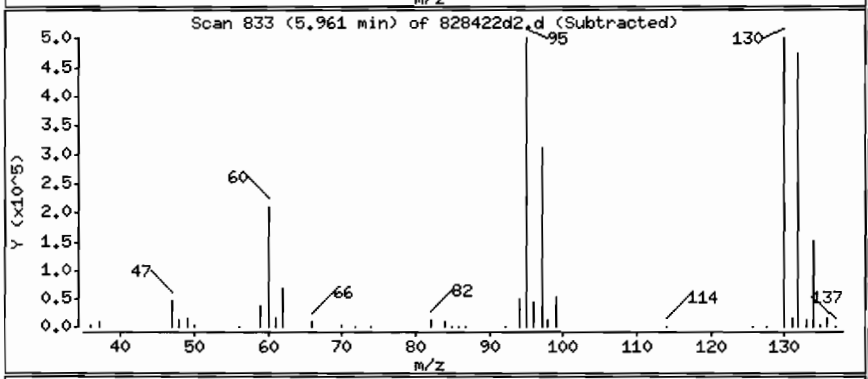
Column phase: DB-624

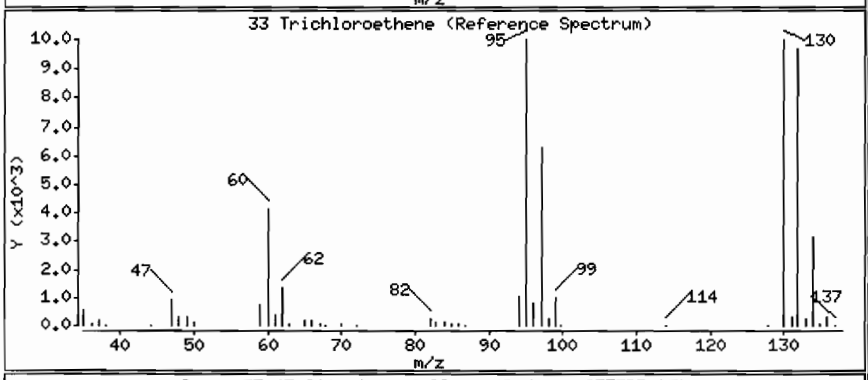
Column diameter: 0.53

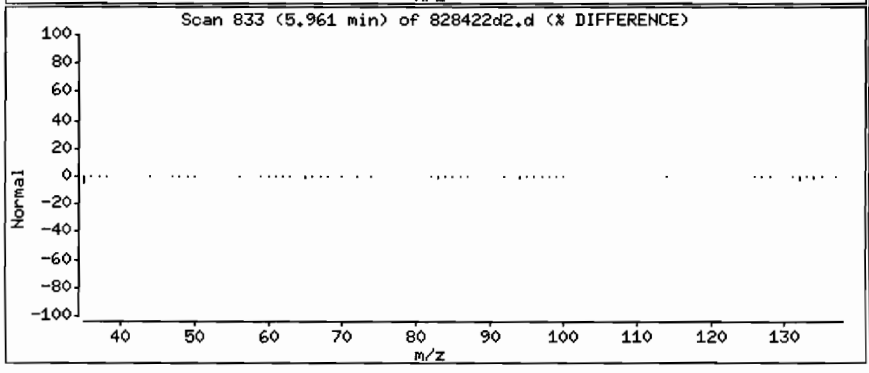
33 Trichloroethene

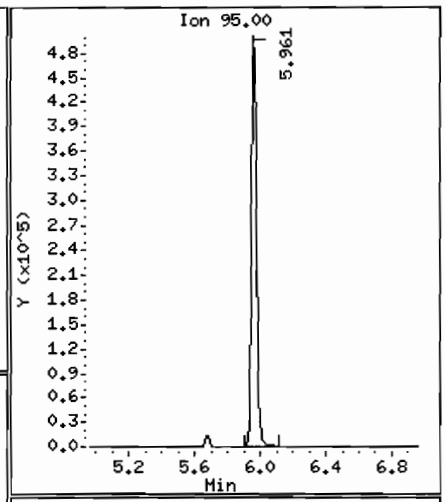
Concentration: 240 ug/L

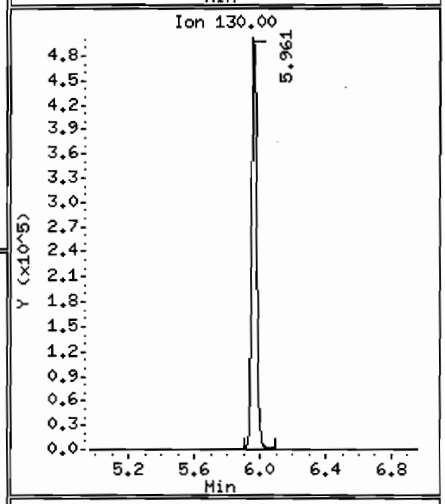


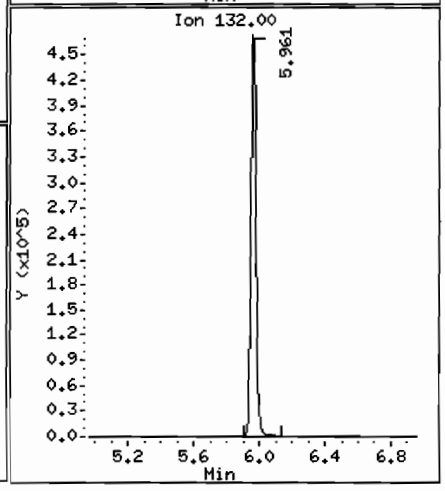












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/828422d2.d

Date : 01-MAY-2010 14:17

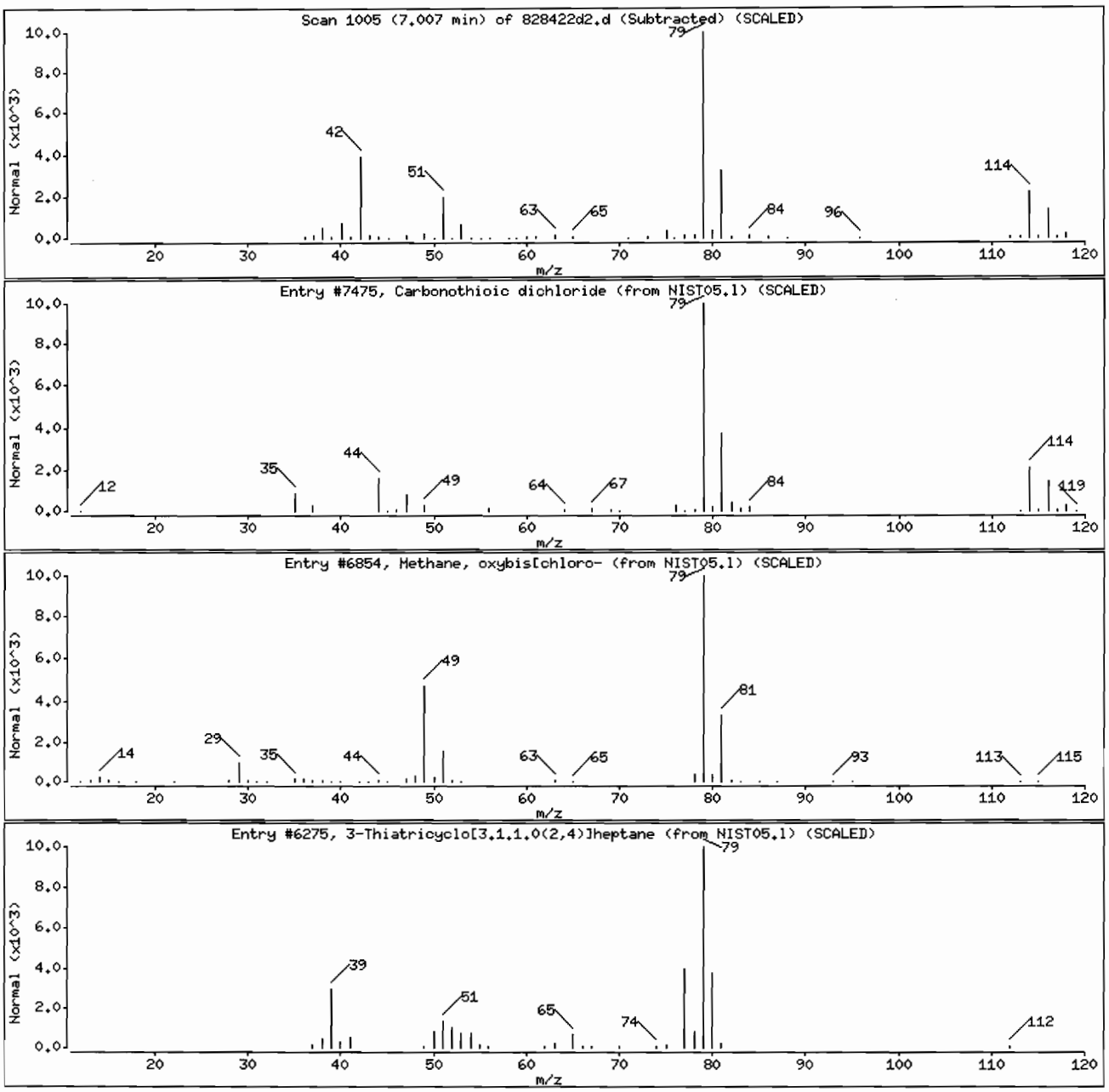
Client ID: ISCOMW01DL Instrument: J.i

Sample Info: ISCO MW 01DL :[ ]04/27/10 @1500(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOMW04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D2

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.7

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.9	U
74-87-3	Chloromethane	1.9	U
75-01-4	Vinyl chloride	1.9	U
74-83-9	Bromomethane	1.9	U
75-00-3	Chloroethane	1.9	U
75-69-4	Trichlorofluoromethane	1.9	U
75-35-4	1,1-Dichloroethene	1.9	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U
67-64-1	Acetone	19	U
75-15-0	Carbon disulfide	1.9	U
79-20-9	Methyl acetate	1.9	U
75-09-2	Methylene chloride	1.9	U
156-60-5	trans-1,2-Dichloroethene	1.9	U
1634-04-4	Methyl tert-butyl ether	1.9	U
75-34-3	1,1-Dichloroethane	1.9	U
156-59-2	cis-1,2-Dichloroethene	1.0	J
78-93-3	2-Butanone	19	U
74-97-5	Bromochloromethane	1.9	U
67-66-3	Chloroform	1.9	U
71-55-6	1,1,1-Trichloroethane	1.9	U
110-82-7	Cyclohexane	1.9	U
56-23-5	Carbon tetrachloride	1.9	U
71-43-2	Benzene	1.9	U
107-06-2	1,2-Dichloroethane	1.9	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOMW04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D2

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.7

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	490	E
108-87-2	Methylcyclohexane	1.9	U
78-87-5	1,2-Dichloropropane	1.9	U
75-27-4	Bromodichloromethane	1.9	U
10061-01-5	cis-1,3-Dichloropropene	1.9	U
108-10-1	4-Methyl-2-pentanone	19	U
108-88-3	Toluene	1.9	U
10061-02-6	trans-1,3-Dichloropropene	1.9	U
79-00-5	1,1,2-Trichloroethane	1.9	U
127-18-4	Tetrachloroethene	3.0	
591-78-6	2-Hexanone	19	U
124-48-1	Dibromochloromethane	1.9	U
106-93-4	1,2-Dibromoethane	1.9	U
108-90-7	Chlorobenzene	1.9	U
100-41-4	Ethylbenzene	1.9	U
95-47-6	o-Xylene	1.9	U
179601-23-1	m,p-Xylene	1.9	U
100-42-5	Styrene	1.9	U
75-25-2	Bromoform	1.9	U
98-82-8	Isopropylbenzene	1.9	U
79-34-5	1,1,2,2-Tetrachloroethane	1.9	U
541-73-1	1,3-Dichlorobenzene	1.9	U
106-46-7	1,4-Dichlorobenzene	1.9	U
95-50-1	1,2-Dichlorobenzene	1.9	U
96-12-8	1,2-Dibromo-3-chloropropane	1.9	U
120-82-1	1,2,4-Trichlorobenzene	1.9	U
87-61-6	1,2,3-Trichlorobenzene	1.9	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOMW04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D2

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 3.7

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	10	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

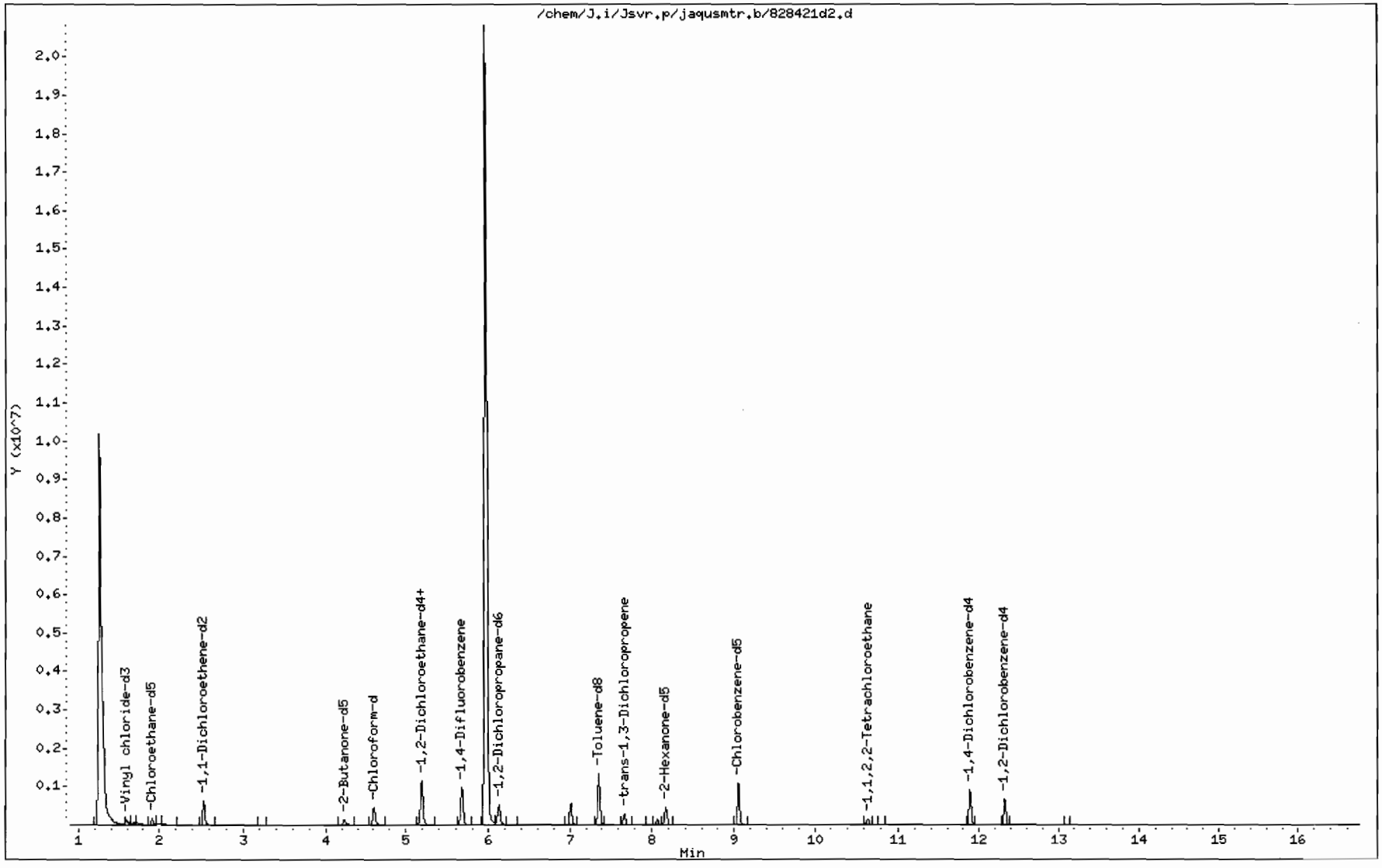
(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828421d2.d
Date : 01-MAY-2010 02:20
Client ID: ISCOMW04
Sample Info: ISCO MW 04 :[ ]04/27/10 @1330(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828421d2.d
Lab Smp Id: 828421 Client Smp ID: ISCOMW04
Inj Date : 01-MAY-2010 02:20
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW 04 :[ ]04/27/10 @1330(WATER)
Misc Info : 828421,043010JC,3.7,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 18
Dil Factor: 3.70000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	3.70000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	359741	4.82467	4.8
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	280992	4.99657	5.0
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	469700	3.79303	3.8
	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	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	Methylene chloride	84	Compound Not Detected.					
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	4.233	4.227	(0.746)	227226	46.6079	47
20	cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	15828	0.27663	1.0(a)
21	2-Butanone	43	Compound Not Detected.					
22	Bromochloromethane	128	Compound Not Detected.					
$ 23	Chloroform-d	84	4.604	4.604	(0.811)	454909	4.63946	4.6
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	5.182	5.182	(0.913)	143495	4.68350	4.7
$ 29	Benzene-d6	84	5.194	5.195	(0.574)	1159591	4.59724	4.6
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.675	5.675	(1.000)	906752	5.00000	
33	Trichloroethene	95	5.967	5.961	(0.659)	8045764	131.519	490(A)
$ 34	1,2-Dichloropropane-d6	67	6.125	6.119	(0.677)	282748	3.95210	4.0
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	7.360	7.360	(0.813)	1037299	4.56957	4.6
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.670	7.671	(0.847)	196761	4.40560	4.4
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	8.072	8.066	(0.892)	38932	0.79950	3.0
$ 46	2-Hexanone-d5	63	8.169	8.169	(0.903)	203528	42.6764	43
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	9.051	9.052	(1.000)	716780	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	93925	4.32585	4.3
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	296124	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.325	(1.037)	204950	4.52830	4.5
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.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828421d2.d
Lab Smp Id: 828421 Client Smp ID: ISCOMW04
Inj Date : 01-MAY-2010 02:20
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW 04 :[ ]04/27/10 @1330(WATER)
Misc Info : 828421,043010JC,3.7,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 18
Dil Factor: 3.70000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	3.70000	Dilution Factor
X	25.00000	method volume 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	5.675	2044863	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.013	1142728	2.79414129	10	0	0		32

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828421d2.d

Date : 01-MAY-2010 02:20

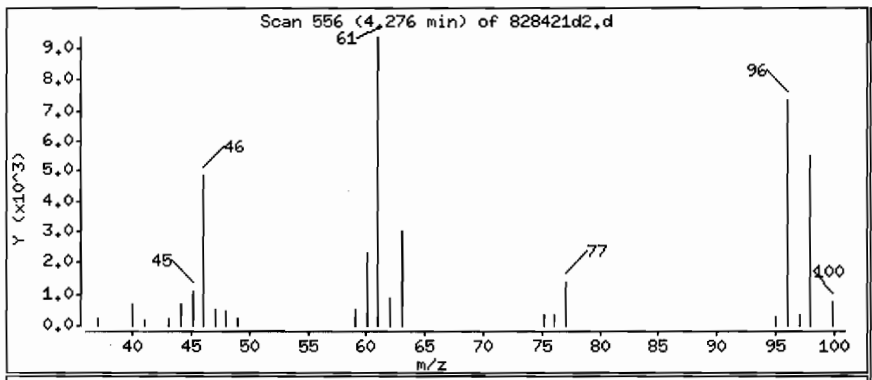
Client ID: ISCOMW04 Instrument: J.i

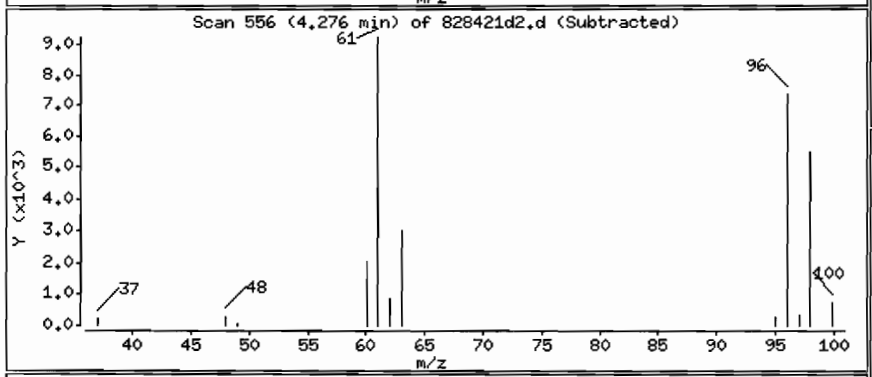
Sample Info: ISCO MW 04 :[ ]04/27/10 @1330(WATER)

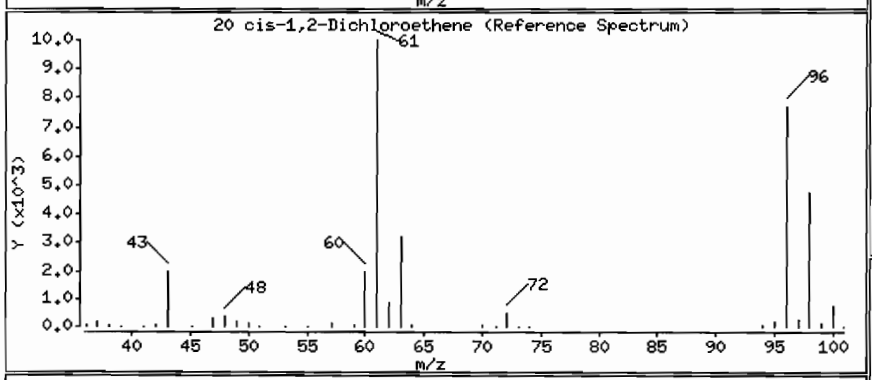
Purge Volume: 25.0 Operator: JP1

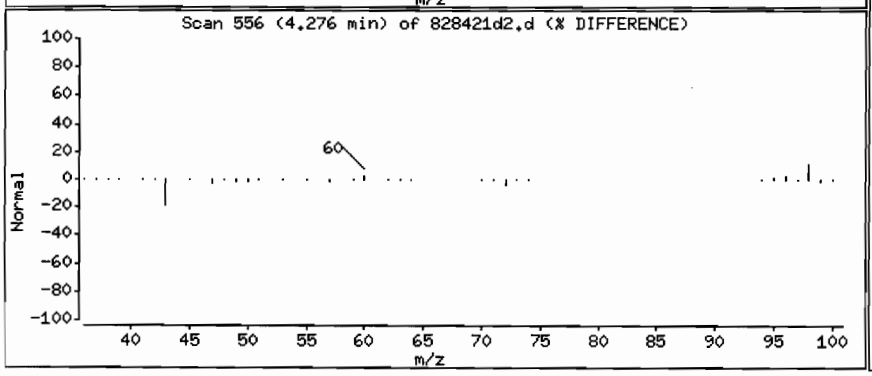
Column phase: DB-624 Column diameter: 0.53

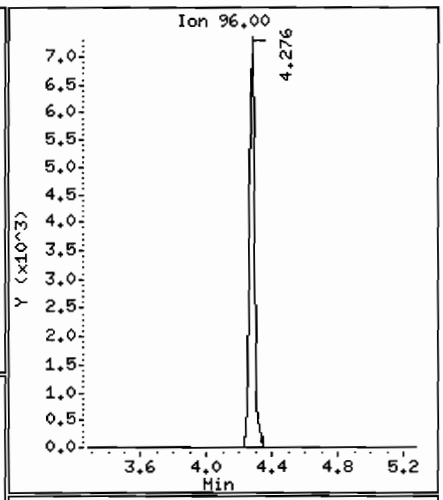
20 cis-1,2-Dichloroethene Concentration: 1.0 ug/L

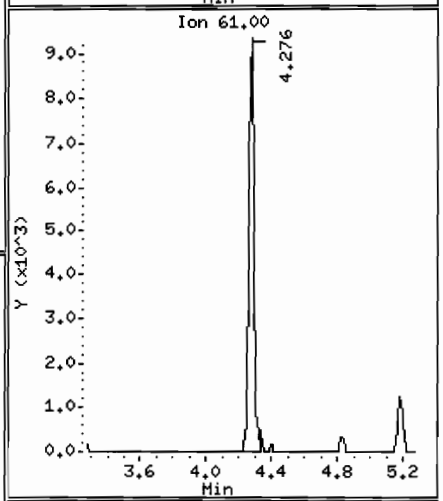


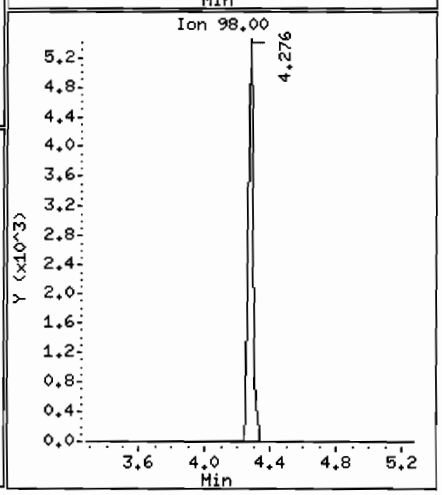












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828421d2.d

Page 7

Date : 01-MAY-2010 02:20

Client ID: ISCOMW04

Instrument: J.i

Sample Info: ISCO MW 04 :[ ]04/27/10 @1330(WATER)

Purge Volume: 25.0

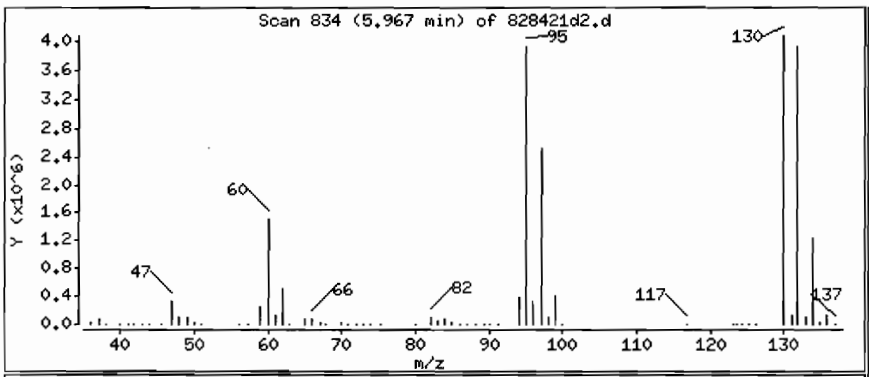
Operator: JP1

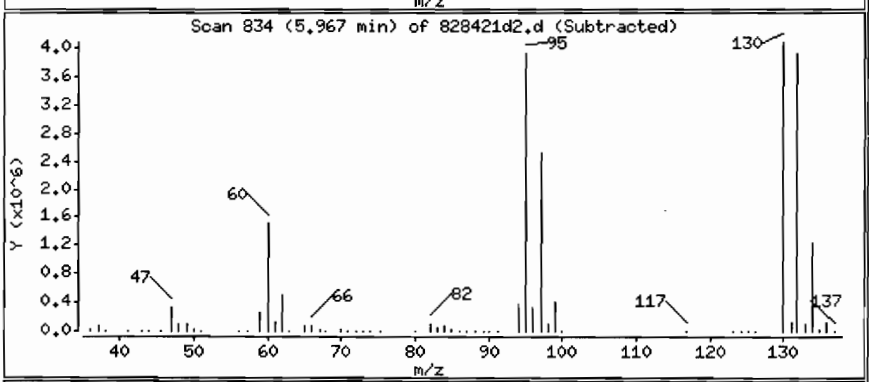
Column phase: DB-624

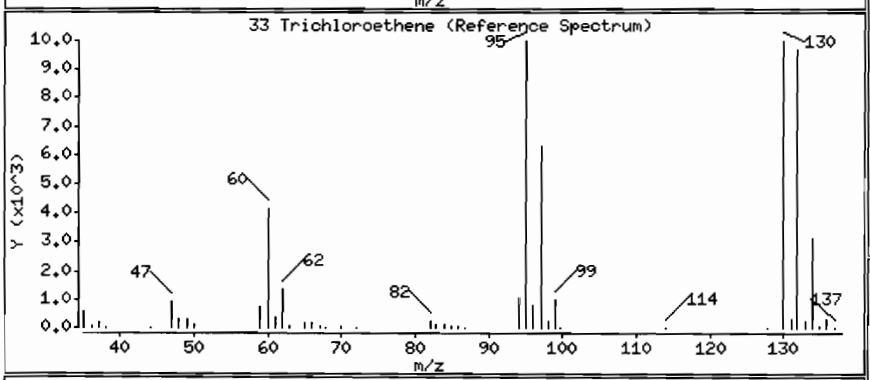
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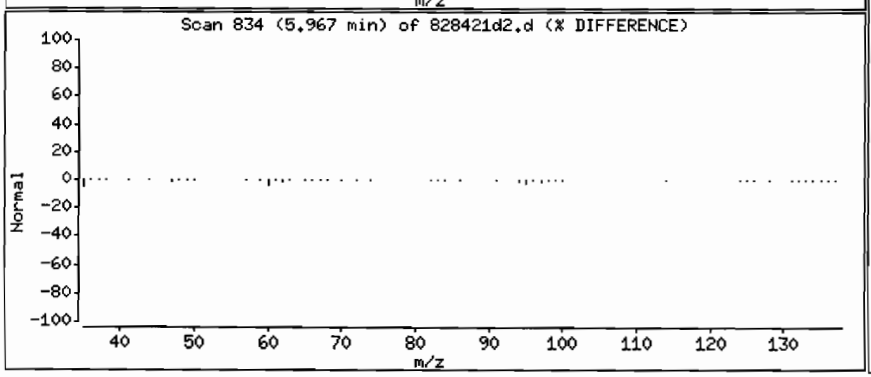
33 Trichloroethene

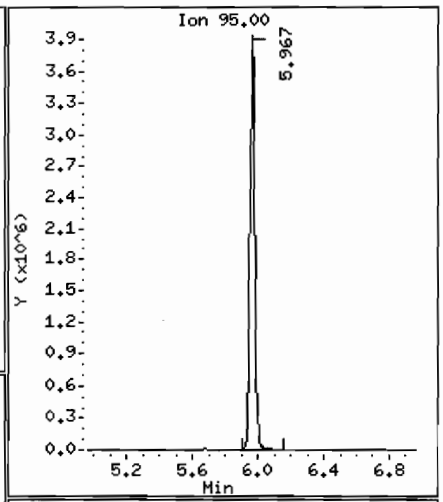
Concentration: 490 ug/L

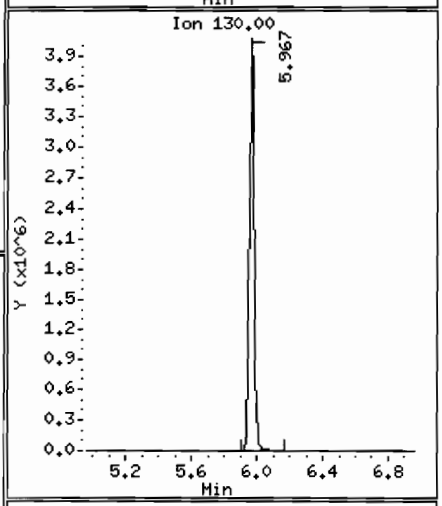


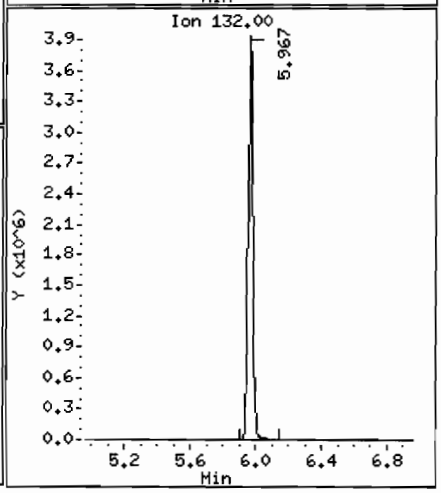












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828421d2.d

Date : 01-MAY-2010 02:20

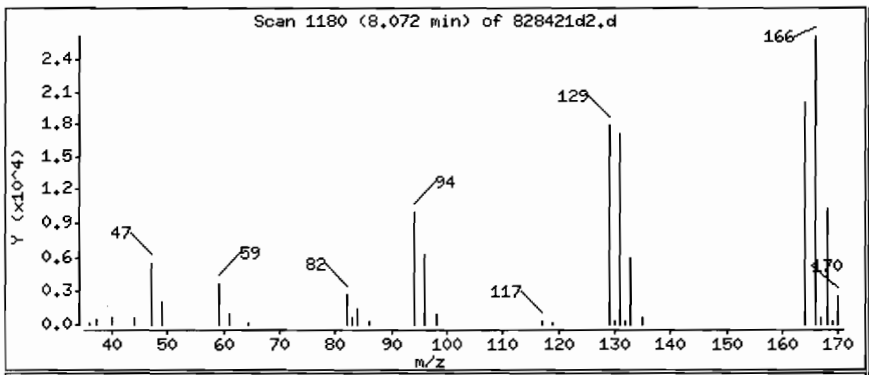
Client ID: ISCOMW04 Instrument: J.i

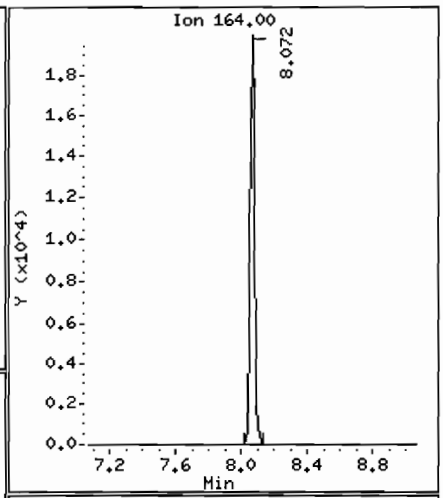
Sample Info: ISCO MW 04 :[J04/27/10 @1330(WATER)

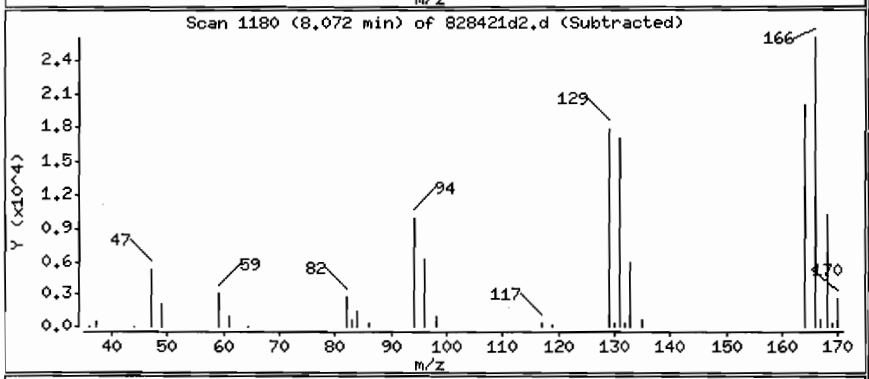
Purge Volume: 25.0 Operator: JP1

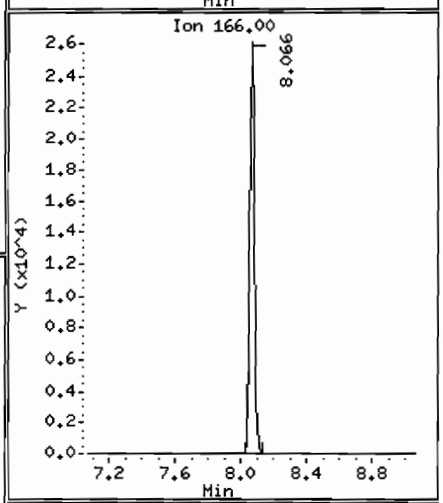
Column phase: DB-624 Column diameter: 0.53

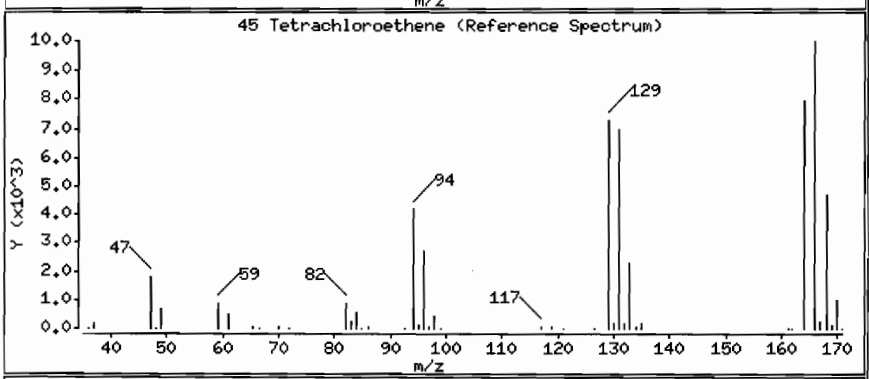
45 Tetrachloroethene Concentration: 3.0 ug/L

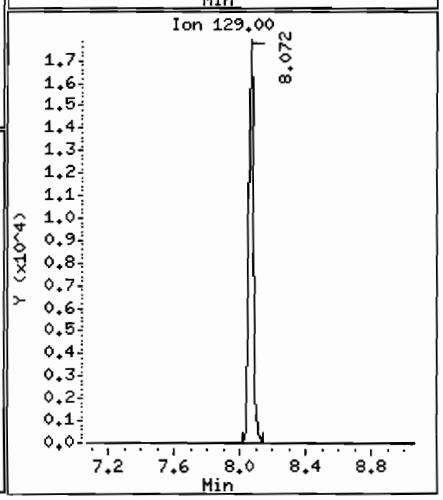


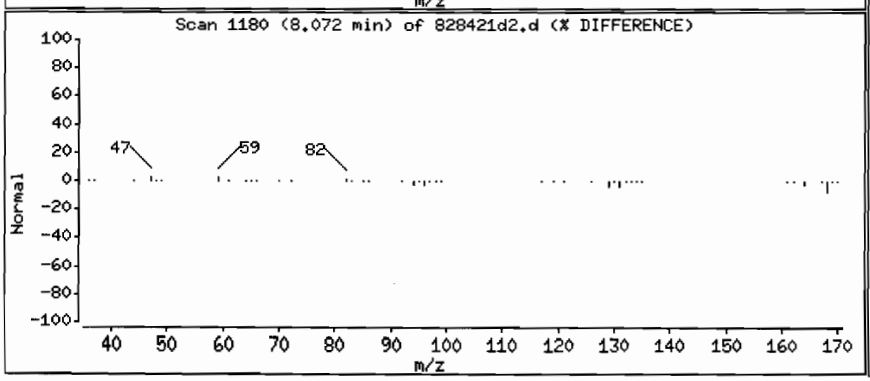












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828421d2.d

Date : 01-MAY-2010 02:20

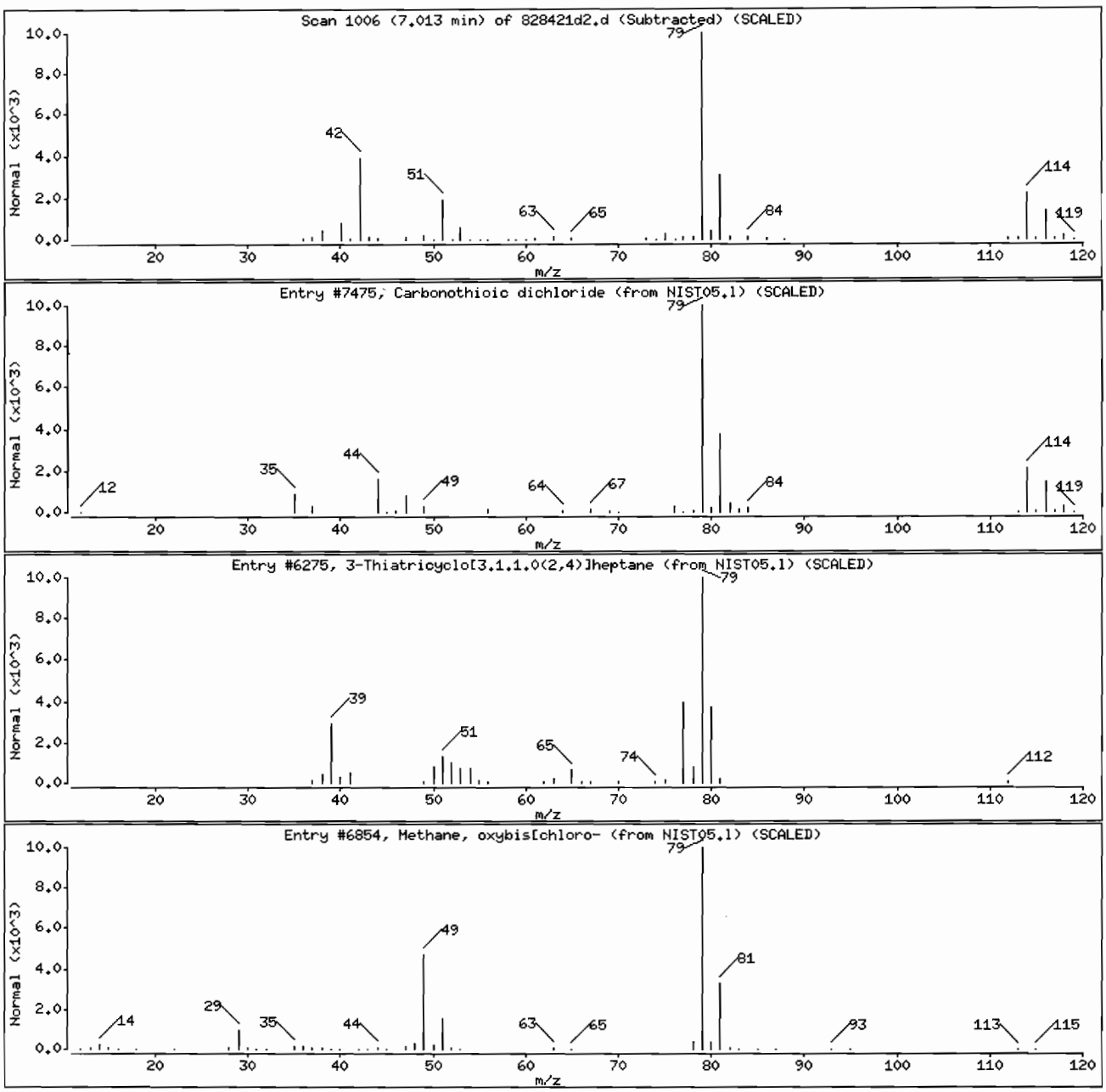
Client ID: ISCOMW04 Instrument: J.i

Sample Info: ISCO MW 04 :[J04/27/10 @1330(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOMW04DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 45.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	23	U
74-87-3	Chloromethane	23	U
75-01-4	Vinyl chloride	23	U
74-83-9	Bromomethane	23	U
75-00-3	Chloroethane	23	U
75-69-4	Trichlorofluoromethane	23	U
75-35-4	1,1-Dichloroethene	23	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23	U
67-64-1	Acetone	230	U
75-15-0	Carbon disulfide	23	U
79-20-9	Methyl acetate	23	U
75-09-2	Methylene chloride	23	U
156-60-5	trans-1,2-Dichloroethene	23	U
1634-04-4	Methyl tert-butyl ether	23	U
75-34-3	1,1-Dichloroethane	23	U
156-59-2	cis-1,2-Dichloroethene	23	U
78-93-3	2-Butanone	230	U
74-97-5	Bromochloromethane	23	U
67-66-3	Chloroform	23	U
71-55-6	1,1,1-Trichloroethane	23	U
110-82-7	Cyclohexane	23	U
56-23-5	Carbon tetrachloride	23	U
71-43-2	Benzene	23	U
107-06-2	1,2-Dichloroethane	23	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCOMW04DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 45.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	530	D
108-87-2	Methylcyclohexane	23	U
78-87-5	1,2-Dichloropropane	23	U
75-27-4	Bromodichloromethane	23	U
10061-01-5	cis-1,3-Dichloropropene	23	U
108-10-1	4-Methyl-2-pentanone	230	U
108-88-3	Toluene	23	U
10061-02-6	trans-1,3-Dichloropropene	23	U
79-00-5	1,1,2-Trichloroethane	23	U
127-18-4	Tetrachloroethene	23	U
591-78-6	2-Hexanone	230	U
124-48-1	Dibromochloromethane	23	U
106-93-4	1,2-Dibromoethane	23	U
108-90-7	Chlorobenzene	23	U
100-41-4	Ethylbenzene	23	U
95-47-6	o-Xylene	23	U
179601-23-1	m,p-Xylene	23	U
100-42-5	Styrene	23	U
75-25-2	Bromoform	23	U
98-82-8	Isopropylbenzene	23	U
79-34-5	1,1,2,2-Tetrachloroethane	23	U
541-73-1	1,3-Dichlorobenzene	23	U
106-46-7	1,4-Dichlorobenzene	23	U
95-50-1	1,2-Dichlorobenzene	23	U
96-12-8	1,2-Dibromo-3-chloropropane	23	U
120-82-1	1,2,4-Trichlorobenzene	23	U
87-61-6	1,2,3-Trichlorobenzene	23	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCOMW04DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828421D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828421D

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 45.8

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	120	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

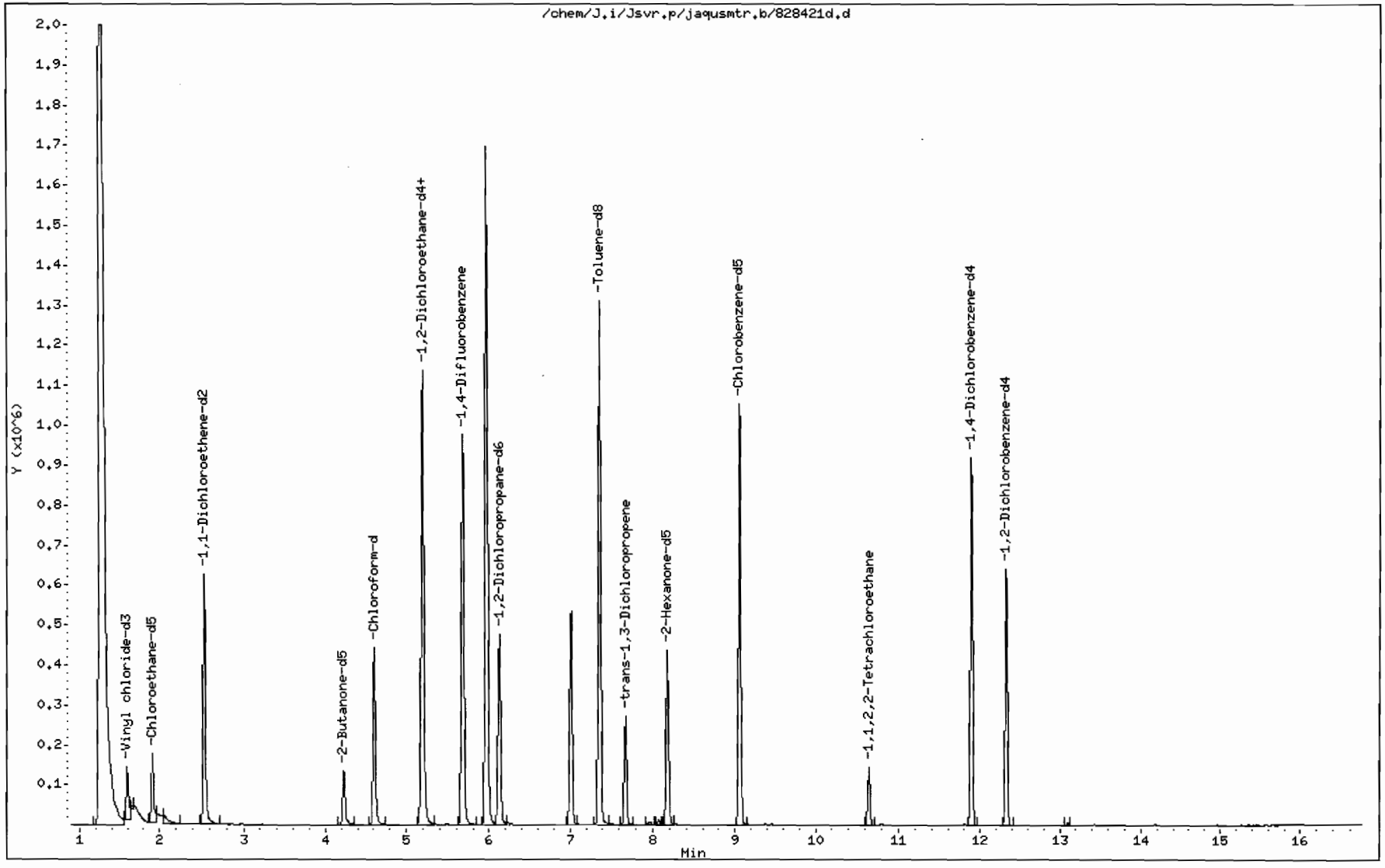
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828421d.d
Date : 30-APR-2010 23:53
Client ID: ISCOMW04DL
Sample Info: ISCO MW 04DL :[ ]04/27/10 @1330(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828421d.d
Lab Smp Id: 828421D1 Client Smp ID: ISCOMW04DL
Inj Date : 30-APR-2010 23:53
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW 04DL :[ ]04/27/10 @1330(WATER)
Misc Info : 828421D1,043010JC,45.8,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 13
Dil Factor: 45.80000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	45.80000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	358931	4.84568	4.8(a)
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	287434	5.14497	5.1(a)
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	449864	3.65690	3.7(a)
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	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.227	(0.745)	207690	42.8828	43(a)
	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	4.604	4.604	(0.811)	437340	4.48981	4.5(a)
	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	5.182	5.182	(0.913)	134724	4.42634	4.4(a)
$	29 Benzene-d6	84	5.194	5.195	(0.574)	1129086	4.62417	4.6(a)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	900787	5.00000	
	33 Trichloroethene	95	5.961	5.961	(0.659)	685272	11.5718	530
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	276384	3.99077	4.0(a)
	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	7.360	7.360	(0.813)	1015746	4.62245	4.6(a)
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.671	(0.847)	184200	4.26061	4.3(a)
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	178779	38.7254	39(a)
	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	9.051	9.052	(1.000)	693858	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	89894	4.27697	4.3(a)
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	284871	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.325	(1.037)	194698	4.47172	4.5(a)
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828421d.d
Lab Smp Id: 828421D1 Client Smp ID: ISCOMW04DL
Inj Date : 30-APR-2010 23:53
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW 04DL :[ ]04/27/10 @1330(WATER)
Misc Info : 828421D1,043010JC,45.8,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 13
Dil Factor: 45.80000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	45.80000	Dilution Factor
X	25.00000	method volume 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	5.675	2053038	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.013	1090947	2.65690750	120	0	0		32

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828421d.d

Date : 30-APR-2010 23:53

Client ID: ISCOMW04DL

Instrument: J.i

Sample Info: ISCO MW 04DL :[ ]04/27/10 @1330(WATER)

Purge Volume: 25.0

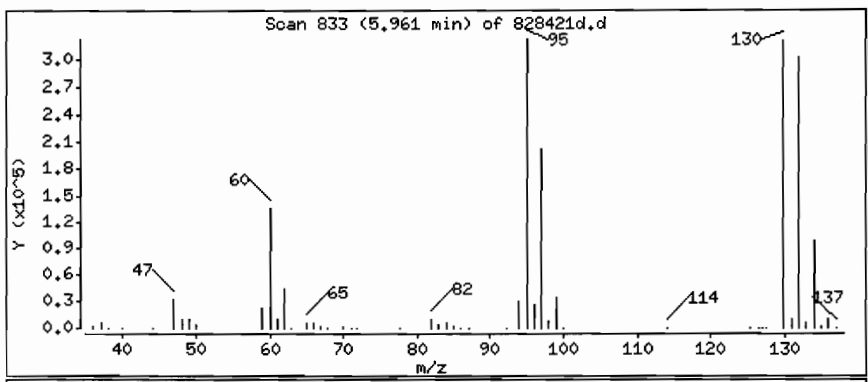
Operator: JP1

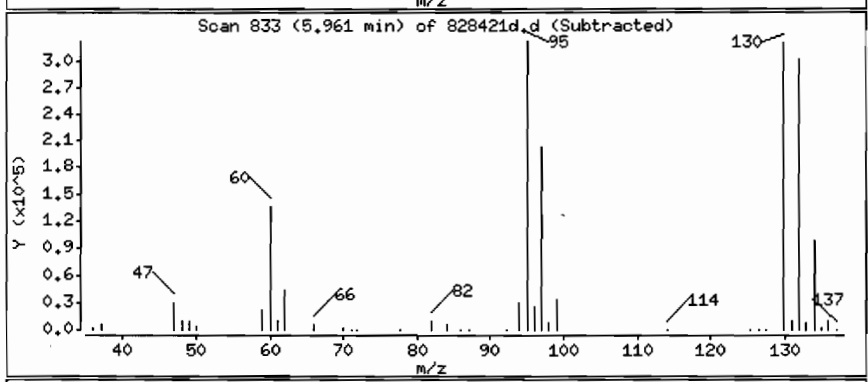
Column phase: DB-624

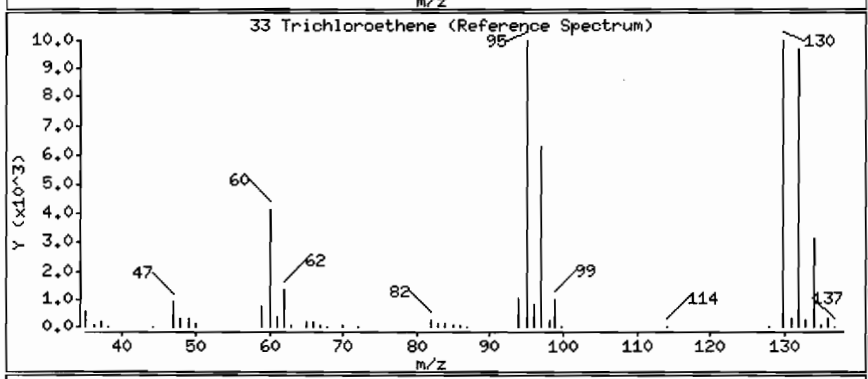
Column diameter: 0.53

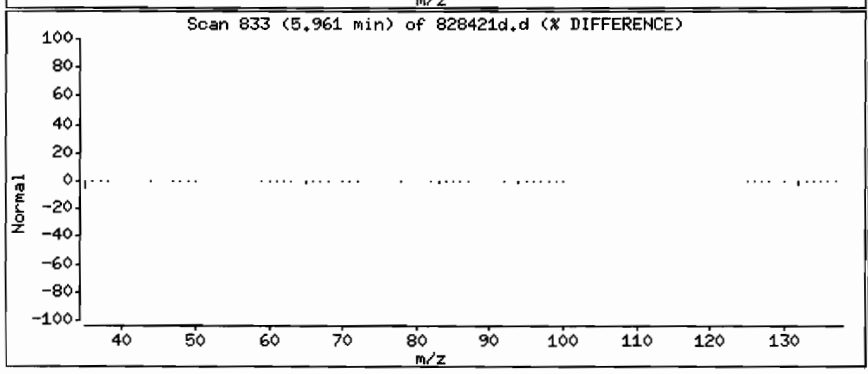
33 Trichloroethene

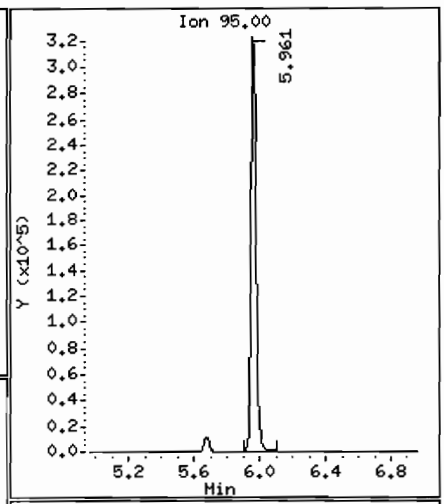
Concentration: 530 ug/L

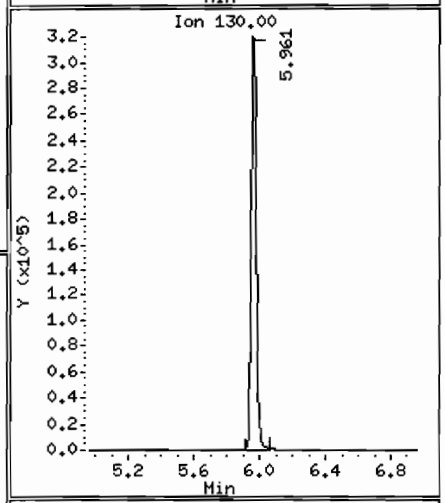


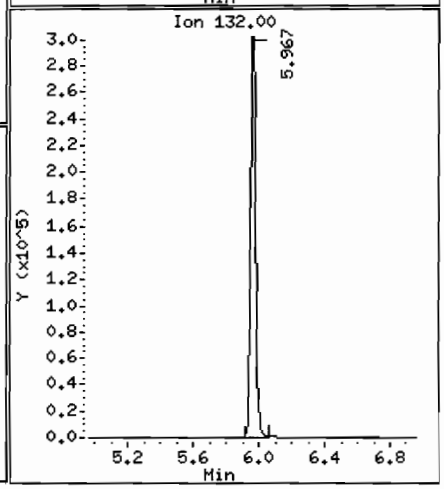












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828421d.d

Date : 30-APR-2010 23:53

Client ID: ISCOMW04DL

Instrument: J.i

Sample Info: ISCO MW 04DL :[ ]04/27/10 @1330(WATER)

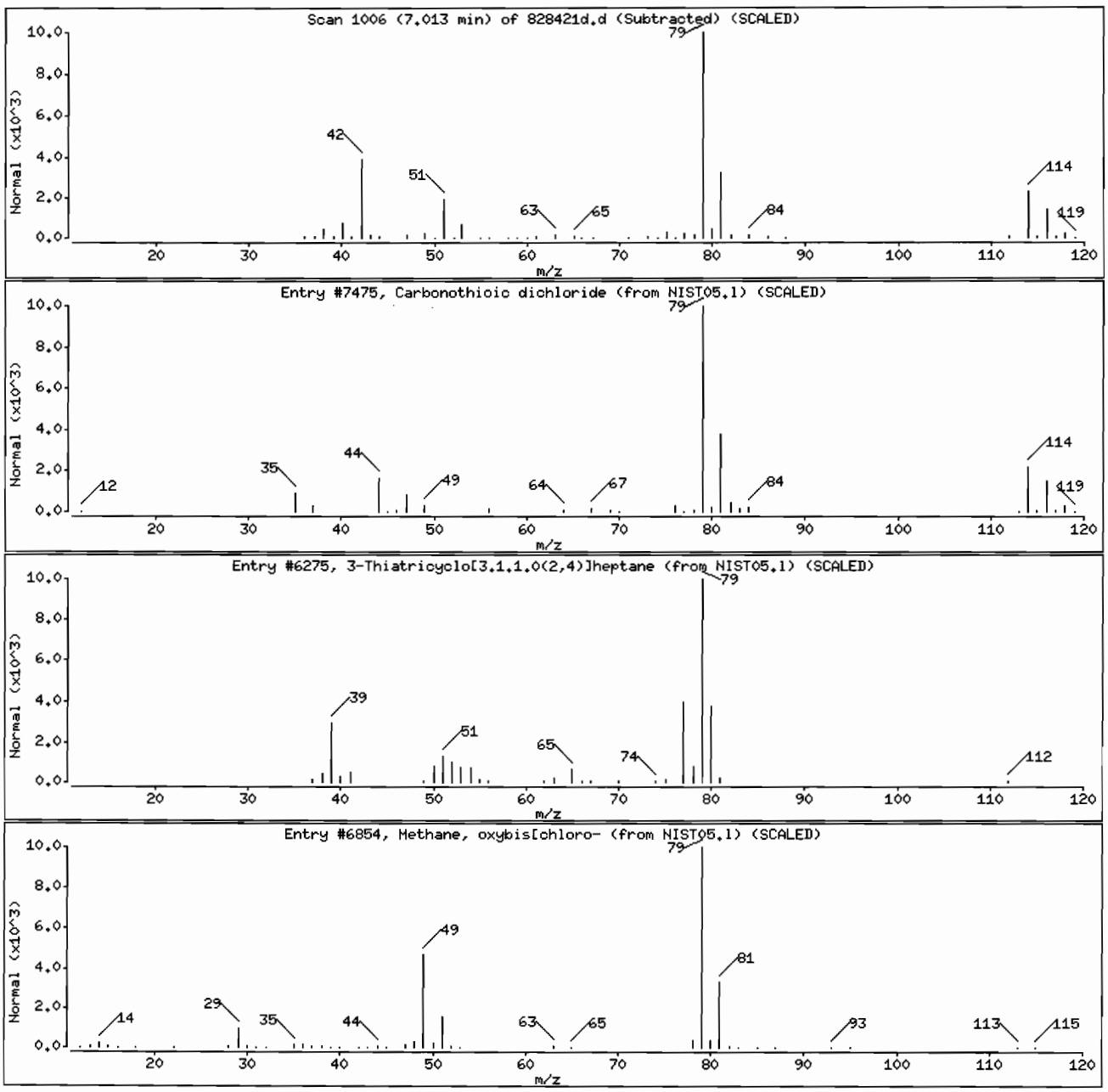
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	25	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TRIPBLK0428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828428

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828428

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TRIPBLK0428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828428

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828428

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TRIPBLK0428

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828428

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828428

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828428.d
Date : 30-APR-2010 22:56
Client ID: TRIPBLK0428
Sample Info: TRIP BLANK :[J04/28/10 @ (WATER)
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
Min
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqusmtr.b/828428.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828428.d
Lab Smp Id: 828428 Client Smp ID: TRIPBLK0428
Inj Date : 30-APR-2010 22:55
Operator : JP1 Inst ID: J.i
Smp Info : TRIP BLANK :[ ]04/28/10 @ (WATER)
Misc Info : 828428,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	363531	4.91481	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	291986	5.23394	5.2
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	460277	3.74691	3.7
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	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15	Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.227	(0.745)	224683	46.4579	46
	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	4.604	4.604	(0.811)	437461	4.49749	4.5
	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	5.182	5.182	(0.913)	136785	4.50050	4.5
$	29	Benzene-d6	84	5.194	5.195	(0.574)	1151228	4.66773	4.7
	30	Benzene	78	Compound Not Detected.					
	31	1,2-Dichloroethane	62	Compound Not Detected.					
*	32	1,4-Difluorobenzene	114	5.675	5.675	(1.000)	899498	5.00000	
	33	Trichloroethene	95	Compound Not Detected.					
$	34	1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	283571	4.05361	4.1
	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	7.360	7.360	(0.813)	1033058	4.65424	4.7
	41	Toluene	91	Compound Not Detected.					
$	42	trans-1,3-Dichloropropene-d4	79	7.671	7.671	(0.847)	190421	4.36047	4.4
	43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44	1,1,2-Trichloroethane	97	Compound Not Detected.					
	45	Tetrachloroethene	164	Compound Not Detected.					
$	46	2-Hexanone-d5	63	8.169	8.169	(0.903)	184798	39.6290	40
	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	9.051	9.052	(1.000)	700864	5.00000	
	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	Compound Not Detected.					
	57	Isopropylbenzene	105	Compound Not Detected.					
$	58	1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	92748	4.36865	4.4
	59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60	1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61	1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	292957	5.00000	
	62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.325	(1.037)	197730	4.41601	4.4
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.					

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828428.d
Lab Smp Id: 828428 Client Smp ID: TRIPBLK0428
Inj Date : 30-APR-2010 22:55
Operator : JP1 Inst ID: J.i
Smp Info : TRIP BLANK :[ ]04/28/10 @ (WATER)
Misc Info : 828428,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2033663	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.013	1125861	2.76806173	2.8	0	0		32

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828428.d

Date : 30-APR-2010 22:55

Client ID: TRIPBLK0428

Instrument: J.i

Sample Info: TRIP BLANK :[ ]04/28/10 @ (WATER)

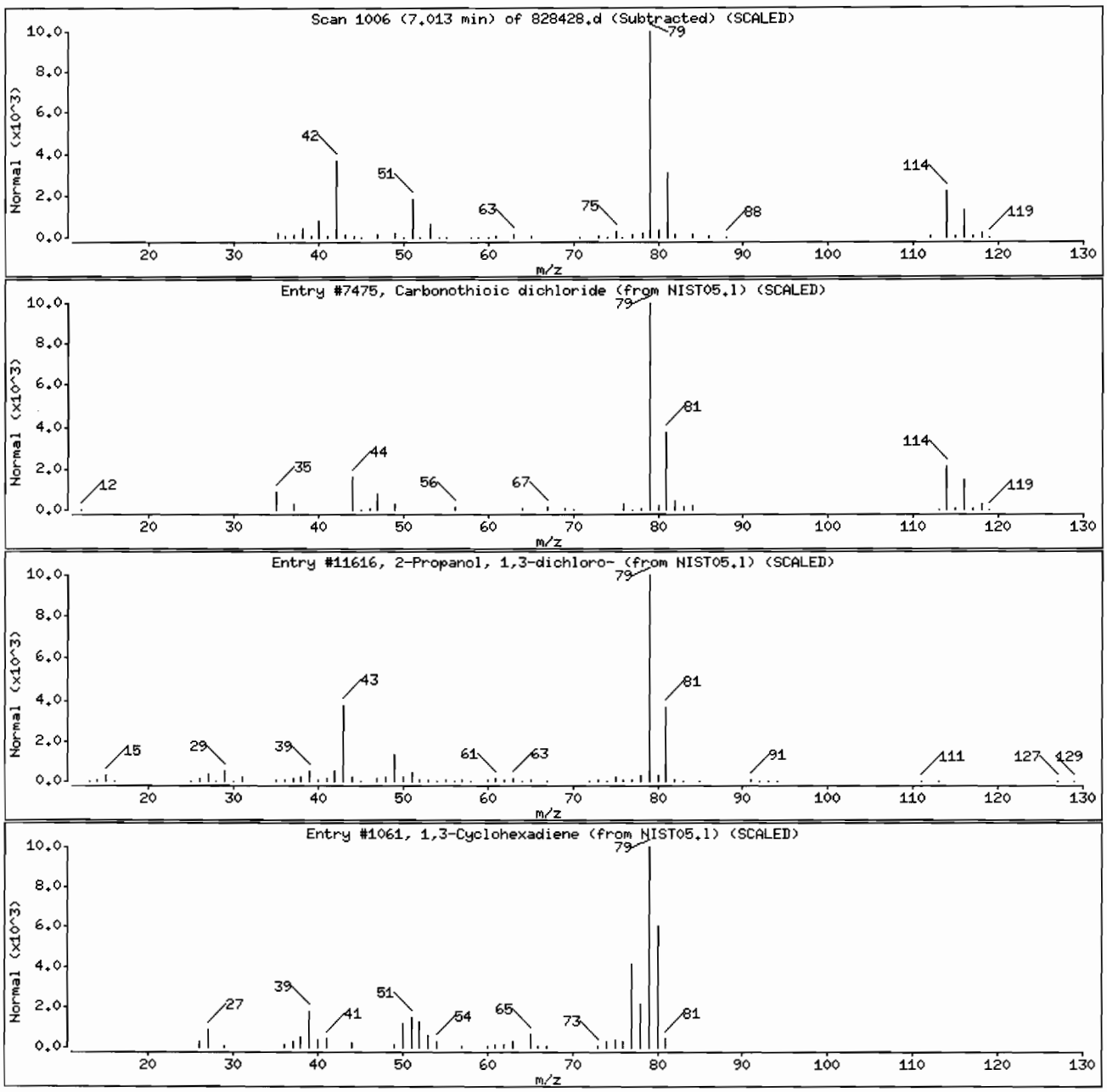
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	64	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	38	C3H6Cl2O	128
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	28	C6H8	80



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TRIPBLK0429

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828424

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828424

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TRIPBLK0429

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828424

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828424

Level: (TRACE/LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TRIPBLK0429

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828424

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828424

Level: (TRACE or LOW/MED) TRACE Date Received: 04/30/2010

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828424.d
Date : 30-APR-2010 22:26
Client ID: TRIPBLK0429
Sample Info: TRIP BLANK :[04/29/10 @ (WATER)
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
Min
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqusmtr.b/828424.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828424.d
Lab Smp Id: 828424 Client Smp ID: TRIPBLK0429
Inj Date : 30-APR-2010 22:26
Operator : JP1 Inst ID: J.i
Smp Info : TRIP BLANK :[ ]04/29/10 @ (WATER)
Misc Info : 828424,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	376980	5.00064	5.0
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	297273	5.22833	5.2
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	476945	3.80946	3.8
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	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.227	(0.745)	228939	46.4462	46
	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	4.604	4.604	(0.811)	455324	4.59296	4.6
	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	5.182	5.182	(0.913)	146450	4.72773	4.7
$	29 Benzene-d6	84	5.195	5.195	(0.574)	1170746	4.67311	4.7
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	916767	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	292688	4.11893	4.1
	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	7.360	7.360	(0.813)	1055550	4.68168	4.7
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.671	(0.847)	195545	4.40823	4.4
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	187413	39.5653	40
	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	9.052	9.052	(1.000)	711926	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	97085	4.50188	4.5
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	294933	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.325	12.325	(1.037)	207408	4.60112	4.6
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.					

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LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/828424.d
Lab Smp Id: 828424 Client Smp ID: TRIPBLK0429
Inj Date : 30-APR-2010 22:26
Operator : JP1 Inst ID: J.i
Smp Info : TRIP BLANK :[ ]04/29/10 @ (WATER)
Misc Info : 828424,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2069943	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.014	1170572	2.82754437	2.8	0	0		32

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828424.d

Date : 30-APR-2010 22:26

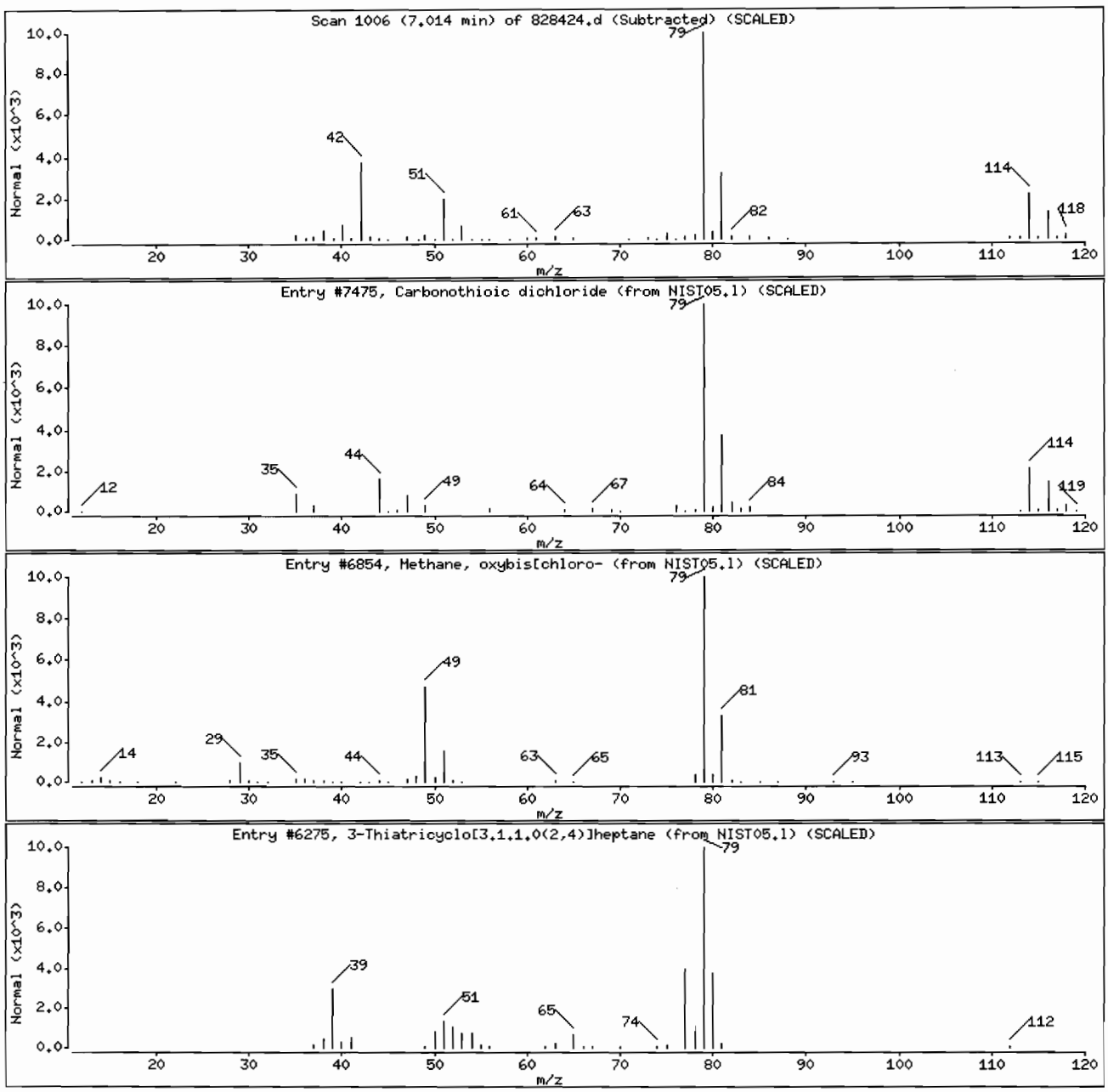
Client ID: TRIPBLK0429 Instrument: J.i

Sample Info: TRIP BLANK :[04/29/10 @ (WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	58	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	38	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	37	C6H8S	112





Standards – SOM01.2 Volatiles – Trace

6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date(s): 04/05/2010 04/05/2010

Heated Purge: (Y/N)N Calibration Time(s): 1318 1505

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = JAQ0005V RRF1.0 = JAQ001V
RRF5.0 = JAQ005V RRF10 = JAQ010V RRF20 = JAQ020V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.457	0.437	0.408	0.407	0.415	0.425	5.1
Chloromethane	0.462	0.439	0.449	0.448	0.455	0.451	1.9
Vinyl chloride	0.488	0.458	0.442	0.443	0.442	0.454	4.4
Bromomethane	0.187	0.173	0.161	0.165	0.170	0.171	5.8
Chloroethane	0.273	0.279	0.254	0.254	0.254	0.263	4.6
Trichlorofluoromethane	0.524	0.522	0.507	0.501	0.502	0.511	2.2
1,1-Dichloroethene	0.320	0.313	0.300	0.296	0.301	0.306	3.3
1,1,2-Trichloro-1,2,2-trifluoroethane	0.348	0.330	0.315	0.310	0.314	0.323	4.8
Acetone	0.016	0.015	0.013	0.013	0.013	0.014	10.1
Carbon disulfide	1.128	0.982	0.959	0.931	0.933	0.986	8.3
Methyl acetate	0.067	0.054	0.048	0.047	0.047	0.053	16.1
Methylene chloride	0.262	0.252	0.250	0.242	0.246	0.250	3.0
trans-1,2-Dichloroethene	0.336	0.344	0.321	0.313	0.314	0.326	4.3
Methyl tert-butyl ether	0.403	0.409	0.394	0.383	0.395	0.397	2.5
1,1-Dichloroethane	0.606	0.610	0.595	0.588	0.584	0.597	1.9
cis-1,2-Dichloroethene	0.328	0.321	0.316	0.305	0.308	0.316	3.0
2-Butanone	0.029	0.028	0.027	0.027	0.028	0.028	3.2
Bromochloromethane	0.093	0.092	0.091	0.086	0.087	0.090	3.5
Chloroform	0.531	0.499	0.491	0.488	0.493	0.500	3.5
1,1,1-Trichloroethane	0.663	0.647	0.610	0.604	0.599	0.625	4.6
Cyclohexane	0.995	0.891	0.871	0.854	0.838	0.890	7.0
Carbon tetrachloride	0.554	0.529	0.509	0.510	0.507	0.522	3.8
Benzene	1.911	1.904	1.793	1.765	1.725	1.820	4.6
1,2-Dichloroethane	0.215	0.208	0.206	0.200	0.199	0.206	3.1
Trichloroethene	0.440	0.432	0.423	0.420	0.419	0.427	2.1
Methylcyclohexane	0.708	0.715	0.665	0.662	0.646	0.679	4.5

Report 1,4-Dioxane for Low-Medium VOA analysis only

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date(s): 04/05/2010 04/05/2010

Heated Purge: (Y/N)N Calibration Time(s): 1318 1505

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = JAQ0005V RRF1.0 = JAQ001V
RRF5.0 = JAQ005V RRF10 = JAQ010V RRF20 = JAQ020V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.395	0.375	0.374	0.364	0.359	0.373	3.8
Bromodichloromethane	0.404	0.377	0.383	0.382	0.386	0.386	2.6
cis-1,3-Dichloropropene	0.507	0.506	0.496	0.496	0.495	0.500	1.2
4-Methyl-2-pentanone	0.096	0.098	0.097	0.095	0.097	0.096	1.0
Toluene	2.055	1.965	1.891	1.836	1.831	1.916	4.9
trans-1,3-Dichloropropene	0.343	0.336	0.348	0.343	0.345	0.343	1.3
1,1,2-Trichloroethane	0.145	0.173	0.157	0.153	0.153	0.156	6.6
Tetrachloroethene	0.361	0.353	0.329	0.327	0.329	0.340	4.6
2-Hexanone	0.059	0.062	0.061	0.061	0.062	0.061	2.0
Dibromochloromethane	0.180	0.177	0.185	0.180	0.186	0.182	2.1
1,2-Dibromoethane	0.139	0.136	0.137	0.136	0.136	0.137	1.1
Chlorobenzene	1.030	1.037	1.003	0.993	1.006	1.014	1.9
Ethylbenzene	2.210	2.158	2.092	2.087	2.091	2.128	2.6
o-Xylene	0.780	0.732	0.712	0.713	0.711	0.730	4.0
m,p-Xylene	0.804	0.815	0.785	0.777	0.783	0.793	2.0
Styrene	1.065	1.065	1.069	1.071	1.078	1.070	0.5
Bromoform	0.173	0.191	0.197	0.198	0.195	0.191	5.4
Isopropylbenzene	2.046	2.083	2.024	2.024	2.025	2.040	1.3
1,1,2,2-Tetrachloroethane	0.144	0.152	0.144	0.147	0.146	0.147	2.1
1,3-Dichlorobenzene	1.688	1.654	1.599	1.626	1.601	1.634	2.3
1,4-Dichlorobenzene	1.655	1.589	1.520	1.528	1.510	1.560	3.9
1,2-Dichlorobenzene	1.282	1.238	1.179	1.183	1.162	1.209	4.1
1,2-Dibromo-3-chloropropane	0.063	0.052	0.044	0.045	0.044	0.050	16.8
1,2,4-Trichlorobenzene	0.546	0.549	0.542	0.558	0.571	0.553	2.1
1,2,3-Trichlorobenzene	0.323	0.373	0.373	0.381	0.396	0.369	7.5

SOM01.2

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date(s): 04/05/2010 04/05/2010

Heated Purge: (Y/N)N Calibration Time(s): 1318 1505

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

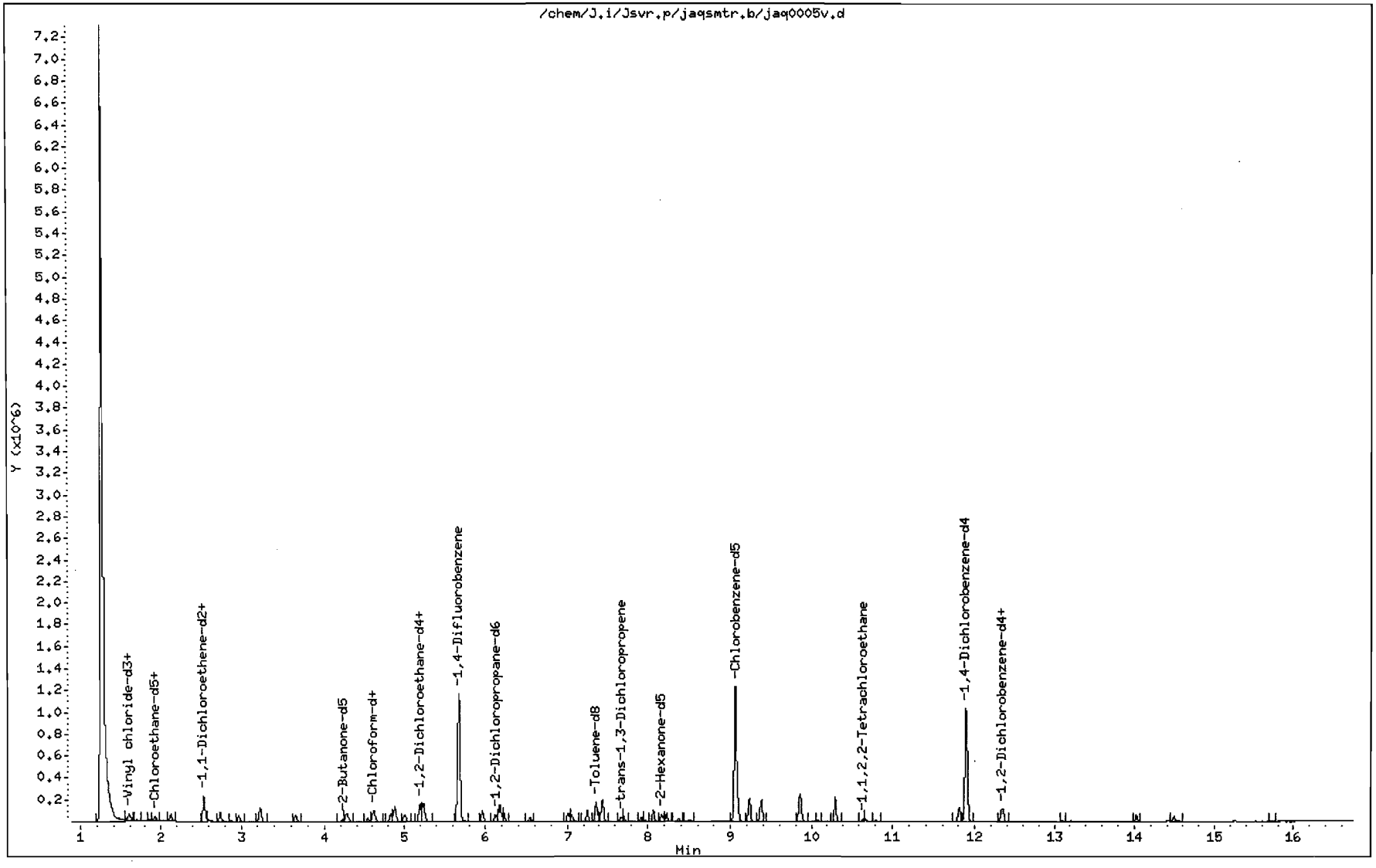
LAB FILE ID: RRF0.5 = JAQ0005V RRF1.0 = JAQ001V
RRF5.0 = JAQ005V RRF10 = JAQ010V RRF20 = JAQ020V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
Vinyl chloride-d3	0.452	0.420	0.399	0.389	0.396	0.411	6.2
Chloroethane-d5	0.316	0.320	0.304	0.305	0.305	0.310	2.4
1,1-Dichloroethene-d2	0.724	0.703	0.670	0.657	0.660	0.683	4.3
2-Butanone-d5	0.026	0.027	0.027	0.027	0.028	0.027	2.3
Chloroform-d	0.571	0.539	0.540	0.525	0.528	0.541	3.3
1,2-Dichloroethane-d4	0.172	0.176	0.167	0.165	0.165	0.169	3.0
Benzene-d6	1.846	1.824	1.730	1.708	1.689	1.760	4.0
1,2-Dichloropropane-d6	0.539	0.500	0.497	0.481	0.478	0.499	4.9
Toluene-d8	1.627	1.628	1.563	1.556	1.543	1.583	2.6
trans-1,3-Dichloropropene-d4	0.319	0.311	0.304	0.309	0.315	0.312	1.9
2-Hexanone-d5	0.032	0.033	0.034	0.034	0.034	0.033	2.9
1,1,2,2-Tetrachloroethane-d2	0.158	0.156	0.148	0.146	0.149	0.151	3.2
1,2-Dichlorobenzene-d4	0.774	0.783	0.759	0.761	0.744	0.764	1.9

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Data File: /chem/J.i/Jsvr.p/jaqsmtr.b/jaq0005v.d
Date : 05-APR-2010 13:18
Client ID: VSTD0.5JG
Sample Info: JAQ0005V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqsmtr.b/jaq0005v.d
Lab Smp Id: VSTD0.5JG Client Smp ID: VSTD0.5JG
Inj Date : 05-APR-2010 13:18
Operator : JH2 Inst ID: J.i
Smp Info : JAQ0005V
Misc Info : VSTD0005JG,040510JG,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqsmtr.b/somtr4.m
Meth Date : 06-Apr-2010 10:41 jd1 Quant Type: ISTD
Cal Date : 05-APR-2010 13:18 Cal File: jaq0005v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	50069	0.50000	0.50
	2 Chloromethane	50	1.575	1.575	(0.277)	50608	0.50000	0.50
$	3 Vinyl chloride-d3	65	1.593	1.599	(0.281)	49533	0.50000	0.50
	4 Vinyl chloride	62	1.599	1.599	(0.282)	53449	0.50000	0.50
	5 Bromomethane	94	1.855	1.854	(0.327)	20521	0.50000	0.50
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	34624	0.50000	0.50
	7 Chloroethane	64	1.928	1.928	(0.340)	29905	0.50000	0.50
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	57440	0.50000	0.50
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	79305	0.50000	0.50
	10 1,1-Dichloroethene	96	2.548	2.554	(0.449)	35090	0.50000	0.50
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	38079	0.50000	0.50
	12 Acetone	43	2.597	2.597	(0.458)	17937	5.00000	5.0
	13 Carbon disulfide	76	2.749	2.749	(0.484)	123574	0.50000	0.50
	14 Methyl acetate	43	2.877	2.883	(0.507)	7307	0.50000	0.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.974	2.980	(0.524)	28691	0.50000	0.50
	16 trans-1,2-Dichloroethene	96	3.230	3.235	(0.569)	36810	0.50000	0.50
	17 Methyl tert-butyl ether	73	3.230	3.229	(0.569)	44194	0.50000	0.50
	18 1,1-Dichloroethane	63	3.649	3.655	(0.643)	66350	0.50000	0.50
$	19 2-Butanone-d5	46	4.233	4.233	(0.746)	28559	5.00000	5.0
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	35910	0.50000	0.50
	21 2-Butanone	43	4.294	4.294	(0.757)	31801	5.00000	5.0
	22 Bromochloromethane	128	4.544	4.543	(0.801)	10143	0.50000	0.50
$	23 Chloroform-d	84	4.604	4.610	(0.811)	62517	0.50000	0.50
	24 Chloroform	83	4.629	4.629	(0.816)	58206	0.50000	0.50
	25 1,1,1-Trichloroethane	97	4.830	4.829	(0.533)	55274	0.50000	0.50
	26 Cyclohexane	56	4.884	4.884	(0.539)	82995	0.50000	0.50
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	46183	0.50000	0.50
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	18821	0.50000	0.50
$	29 Benzene-d6	84	5.195	5.200	(0.573)	153927	0.50000	0.50
	30 Benzene	78	5.237	5.243	(0.578)	159344	0.50000	0.50
	31 1,2-Dichloroethane	62	5.268	5.267	(0.928)	23535	0.50000	0.50
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	1095744	5.00000	
	33 Trichloroethene	95	5.961	5.967	(0.658)	36687	0.50000	0.50
$	34 1,2-Dichloropropane-d6	67	6.119	6.125	(0.676)	44978	0.50000	0.50
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	59046	0.50000	0.50
	36 1,2-Dichloropropane	63	6.223	6.223	(0.687)	32961	0.50000	0.50
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	33646	0.50000	0.50
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.779)	42256	0.50000	0.50
	39 4-Methyl-2-pentanone	43	7.251	7.251	(0.801)	79659	5.00000	5.0
$	40 Toluene-d8	98	7.360	7.360	(0.813)	135704	0.50000	0.50
	41 Toluene	91	7.439	7.439	(0.821)	171376	0.50000	0.50
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.676	(0.847)	26589	0.50000	0.50
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	28564	0.50000	0.50
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.874)	12050	0.50000	0.50
	45 Tetrachloroethene	164	8.072	8.072	(0.891)	30080	0.50000	0.50
$	46 2-Hexanone-d5	63	8.169	8.169	(0.902)	26346	5.00000	5.0
	47 2-Hexanone	43	8.230	8.230	(0.909)	49456	5.00000	5.0
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	14968	0.50000	0.50
	49 1,2-Dibromoethane	107	8.504	8.504	(0.939)	11613	0.50000	0.50
*	50 Chlorobenzene-d5	117	9.058	9.057	(1.000)	833824	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.003)	85905	0.50000	0.50
	52 Ethylbenzene	91	9.228	9.228	(1.019)	184242	0.50000	0.50
	53 m,p-Xylene	106	9.374	9.374	(1.035)	66999	0.50000	0.50
	54 Styrene	104	9.867	9.867	(1.089)	88774	0.50000	0.50
	55 o-Xylene	106	9.848	9.848	(1.087)	65051	0.50000	0.50
	56 Bromoform	173	10.080	10.079	(0.848)	5637	0.50000	0.50
	57 Isopropylbenzene	105	10.299	10.299	(1.137)	170559	0.50000	0.50
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.175)	13146	0.50000	0.50
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	12036	0.50000	0.50
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	55030	0.50000	0.50
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.892	(1.000)	326100	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	62 1,4-Dichlorobenzene	146	11.917	11.917	(1.003)	53963	0.50000	0.50
$	63 1,2-Dichlorobenzene-d4	152	12.331	12.330	(1.037)	25228	0.50000	0.50
	64 1,2-Dichlorobenzene	146	12.349	12.349	(1.039)	41817	0.50000	0.50
	65 1,2-Dibromo-3-chloropropane	75	13.200	13.200	(1.111)	2057	0.50000	0.50(Q)
	66 1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	17793	0.50000	0.50
	67 1,2,3-Trichlorobenzene	180	14.490	14.490	(1.219)	10520	0.50000	0.50(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/jaqsmtr.b/jaq001v.d
Date : 05-APR-2010 13:45
Client ID: VSTD001JC
Sample Info: JAQ001V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqsmtr.b/jaq001v.d
Lab Smp Id: VSTD001JG Client Smp ID: VSTD001JG
Inj Date : 05-APR-2010 13:45
Operator : JH2 Inst ID: J.i
Smp Info : JAQ001V
Misc Info : VSTD001JG,040510JG,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqsmtr.b/somtr4.m
Meth Date : 06-Apr-2010 10:41 jd1 Quant Type: ISTD
Cal Date : 05-APR-2010 13:45 Cal File: jaq001v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	92848	1.00000	0.98(M)
	2 Chloromethane	50	1.581	1.575	(0.279)	93224	1.00000	0.97
$	3 Vinyl chloride-d3	65	1.593	1.599	(0.281)	89303	1.00000	0.96
	4 Vinyl chloride	62	1.599	1.599	(0.282)	97368	1.00000	0.97
	5 Bromomethane	94	1.855	1.854	(0.327)	36668	1.00000	0.96(QM)
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	68099	1.00000	1.0
	7 Chloroethane	64	1.928	1.928	(0.340)	59221	1.00000	1.0
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	110980	1.00000	1.00
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	149477	1.00000	0.99
	10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	66565	1.00000	0.99
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	70068	1.00000	0.97
	12 Acetone	43	2.597	2.597	(0.458)	31937	10.0000	9.6
	13 Carbon disulfide	76	2.749	2.749	(0.484)	208709	1.00000	0.93
	14 Methyl acetate	43	2.883	2.883	(0.508)	11514	1.00000	0.90

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.980	2.980	(0.525)	53545	1.00000	0.98
	16 trans-1,2-Dichloroethene	96	3.230	3.235	(0.569)	73175	1.00000	1.0
	17 Methyl tert-butyl ether	73	3.223	3.229	(0.568)	86870	1.00000	1.0
	18 1,1-Dichloroethane	63	3.655	3.655	(0.644)	129695	1.00000	1.0
$	19 2-Butanone-d5	46	4.233	4.233	(0.746)	58341	10.0000	10
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	68316	1.00000	0.99
	21 2-Butanone	43	4.294	4.294	(0.757)	60300	10.0000	9.9
	22 Bromochloromethane	128	4.538	4.543	(0.800)	19564	1.00000	1.00
$	23 Chloroform-d	84	4.611	4.610	(0.812)	114657	1.00000	0.97
	24 Chloroform	83	4.629	4.629	(0.816)	106067	1.00000	0.97
	25 1,1,1-Trichloroethane	97	4.823	4.829	(0.533)	103601	1.00000	0.99
	26 Cyclohexane	56	4.884	4.884	(0.539)	142543	1.00000	0.94
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	84684	1.00000	0.98
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	37507	1.00000	1.0
$	29 Benzene-d6	84	5.195	5.200	(0.574)	291831	1.00000	0.99
	30 Benzene	78	5.237	5.243	(0.578)	304607	1.00000	1.00
	31 1,2-Dichloroethane	62	5.268	5.267	(0.928)	44281	1.00000	0.98
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	1062774	5.00000	
	33 Trichloroethene	95	5.961	5.967	(0.658)	69173	1.00000	0.99
$	34 1,2-Dichloropropane-d6	67	6.119	6.125	(0.676)	79973	1.00000	0.96
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	114480	1.00000	1.0
	36 1,2-Dichloropropane	63	6.223	6.223	(0.687)	59953	1.00000	0.97
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	60337	1.00000	0.97
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.779)	80951	1.00000	1.00
	39 4-Methyl-2-pentanone	43	7.245	7.251	(0.800)	156402	10.0000	10
$	40 Toluene-d8	98	7.360	7.360	(0.813)	260511	1.00000	1.0
	41 Toluene	91	7.439	7.439	(0.821)	314368	1.00000	0.98
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.676	(0.847)	49698	1.00000	0.99
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	53743	1.00000	0.99
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.874)	27643	1.00000	1.1
	45 Tetrachloroethene	164	8.072	8.072	(0.891)	56417	1.00000	0.99
$	46 2-Hexanone-d5	63	8.169	8.169	(0.902)	53435	10.0000	10
	47 2-Hexanone	43	8.230	8.230	(0.909)	99574	10.0000	10
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	28383	1.00000	0.99
	49 1,2-Dibromoethane	107	8.504	8.504	(0.939)	21698	1.00000	0.99
*	50 Chlorobenzene-d5	117	9.058	9.057	(1.000)	800056	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.003)	165897	1.00000	1.0
	52 Ethylbenzene	91	9.228	9.228	(1.019)	345380	1.00000	0.99
	53 m,p-Xylene	106	9.374	9.374	(1.035)	130401	1.00000	1.0
	54 Styrene	104	9.867	9.867	(1.089)	170463	1.00000	1.0
	55 o-Xylene	106	9.848	9.848	(1.087)	117110	1.00000	0.97
	56 Bromoform	173	10.080	10.079	(0.848)	12065	1.00000	1.1
	57 Isopropylbenzene	105	10.299	10.299	(1.137)	333267	1.00000	1.0
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.175)	24886	1.00000	0.99
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	24281	1.00000	1.0
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	104295	1.00000	0.99
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.892	(1.000)	315225	5.00000	

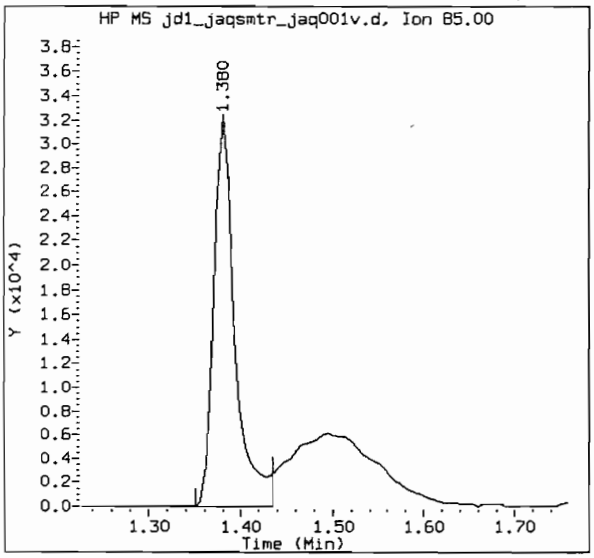
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.917	11.917	(1.003)	100188	1.00000	0.98
$ 63 1,2-Dichlorobenzene-d4	152	12.331	12.330	(1.037)	49335	1.00000	1.0
64 1,2-Dichlorobenzene	146	12.349	12.349	(1.039)	78026	1.00000	0.98
65 1,2-Dibromo-3-chloropropane	75	13.201	13.200	(1.111)	3280	1.00000	0.90
66 1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	34618	1.00000	1.0
67 1,2,3-Trichlorobenzene	180	14.490	14.490	(1.219)	23506	1.00000	1.1

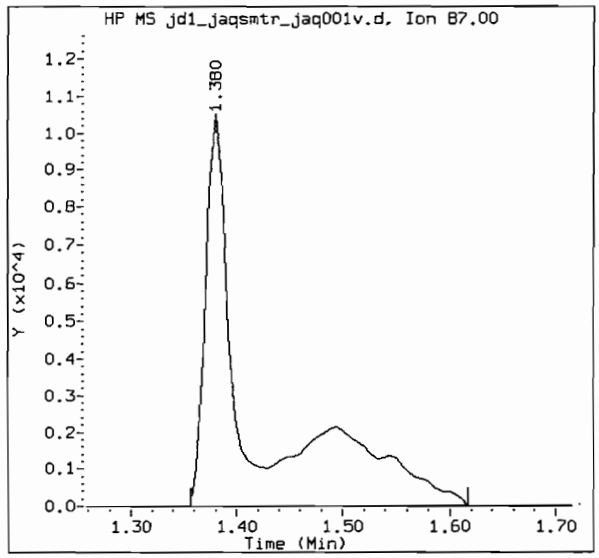
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

MANUAL INTEGRATION REPORT

Data File Name: jaq001v.d
Inj. Date and Time: 05-APR-2010 13:45
Target Version: Target 3.50
Client Sample ID: VSTD001JG
Instrument ID: J.i
Report Version: 1.1
Compound Name: Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 04/06/2010 10:41

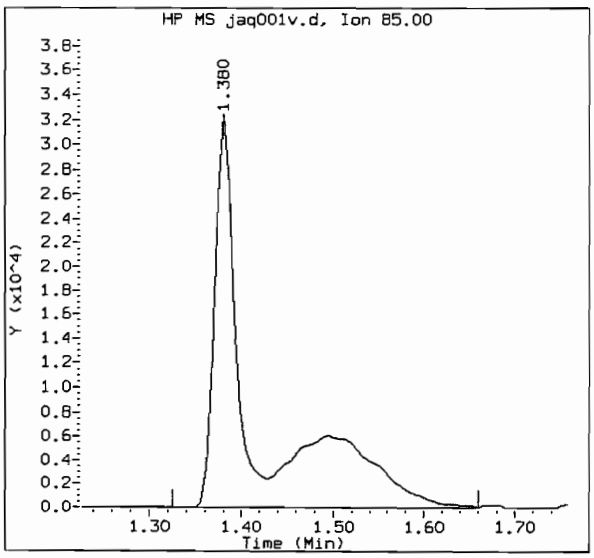


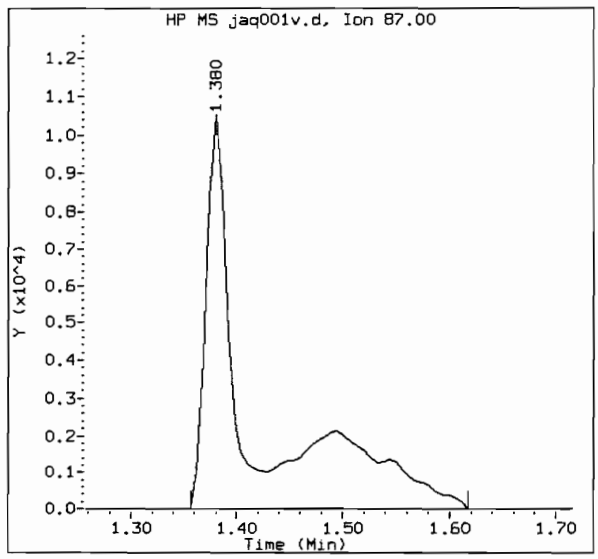


Original Integrations:

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Area = 30200





Final Integrations:

Area = 92848

Area = 30200

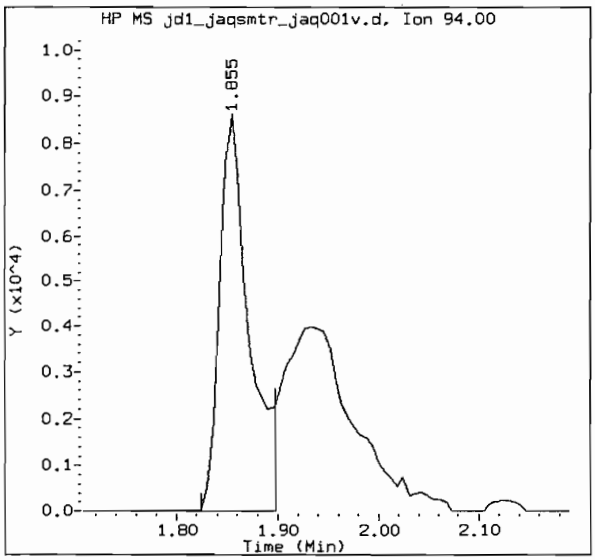
Manual Integration Reason: MI1 - Poor automated baseline

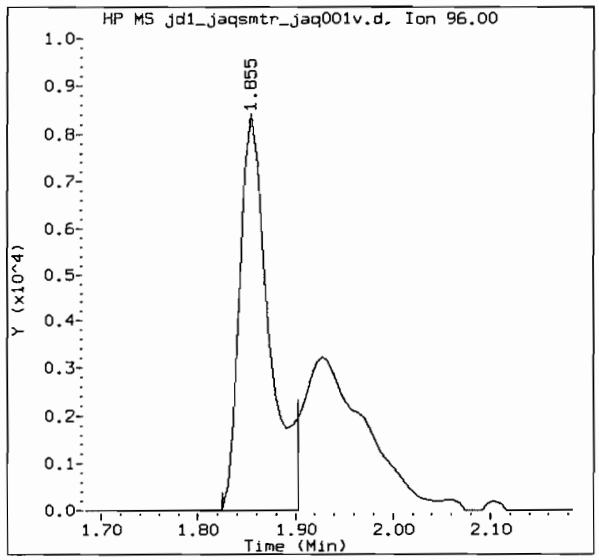
MANUAL INTEGRATION REPORT

Data File Name: jaq001v.d
Client Sample ID: VSTD001JG
Compound Name: Bromomethane

Inj. Date and Time: 05-APR-2010 13:45
Instrument ID: J.i
CAS #: 74-83-9

Target Version: Target 3.50
Report Version: 1.1
Report Date: 04/06/2010 10:41

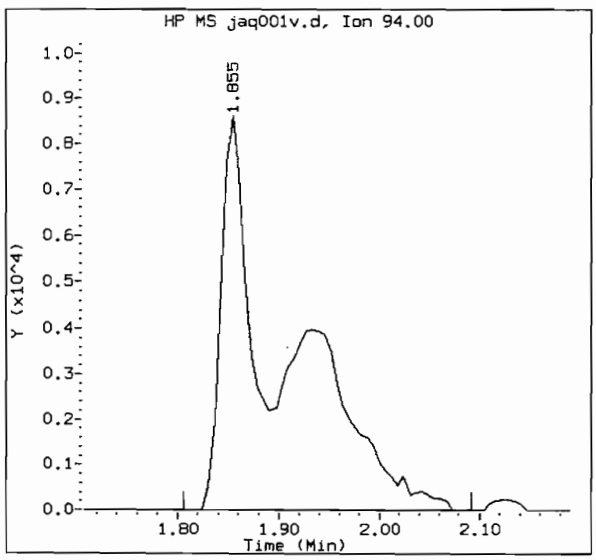


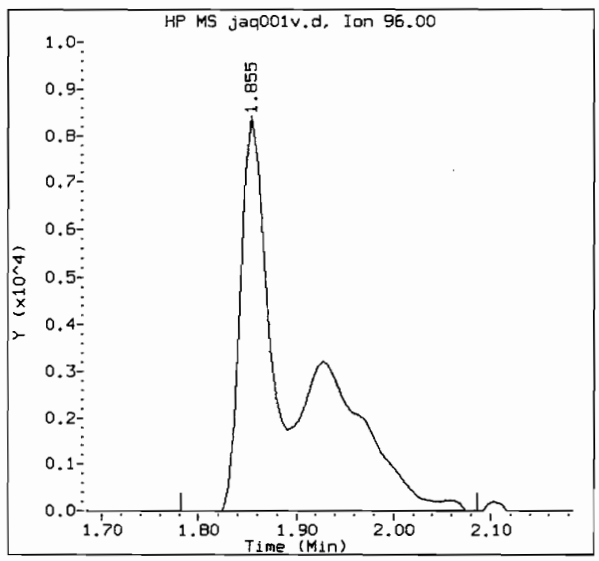


Original Integrations:

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Area = 17754





Final Integrations:

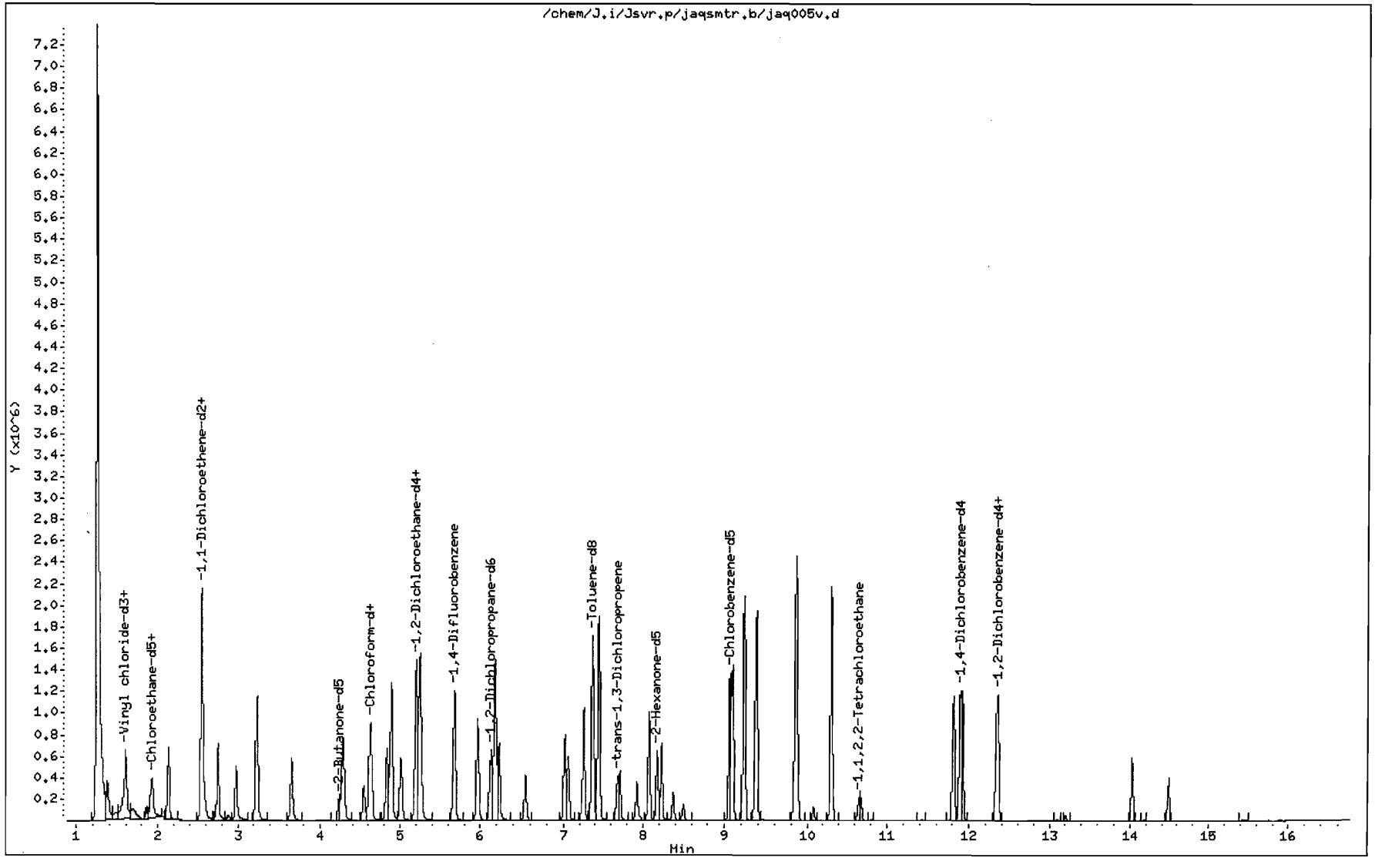
Area = 36668

Area = 31778

Manual Integration Reason: MI1 - Poor automated baseline

Data File: /chem/J.i/Jsvr.p/jaqsmtr.b/jaq005v.d
Date : 05-APR-2010 14:12
Client ID: VSTD005JG
Sample Info: JAQ005V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqsmtr.b/jaq005v.d
Lab Smp Id: VSTD005JG Client Smp ID: VSTD005JG
Inj Date : 05-APR-2010 14:12
Operator : JH2 Inst ID: J.i
Smp Info : JAQ005V
Misc Info : VSTD005JG,040510JG,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqsmtr.b/somtr4.m
Meth Date : 06-Apr-2010 10:41 jd1 Quant Type: ISTD
Cal Date : 05-APR-2010 14:12 Cal File: jaq005v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

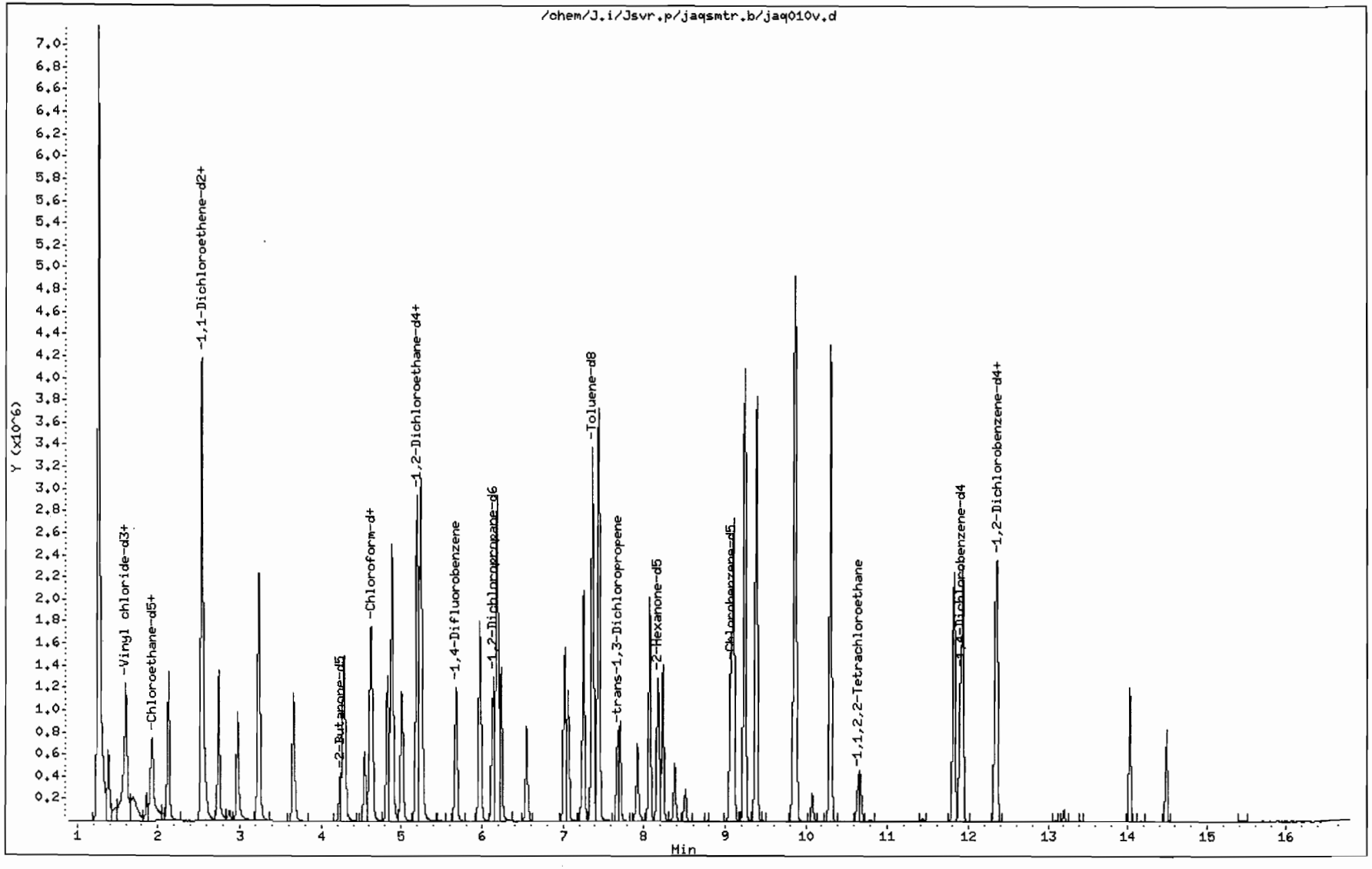
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	464023	5.00000	4.7
	2 Chloromethane	50	1.575	1.575	(0.277)	511031	5.00000	5.0
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	453720	5.00000	4.7
	4 Vinyl chloride	62	1.599	1.599	(0.282)	502760	5.00000	4.8
	5 Bromomethane	94	1.854	1.854	(0.327)	183359	5.00000	4.6
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	346561	5.00000	4.9
	7 Chloroethane	64	1.928	1.928	(0.340)	289206	5.00000	4.7
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	577092	5.00000	4.9
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	762856	5.00000	4.8
	10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	341015	5.00000	4.8
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	358958	5.00000	4.8
	12 Acetone	43	2.597	2.597	(0.458)	150805	50.0000	45
	13 Carbon disulfide	76	2.749	2.749	(0.484)	1091283	5.00000	4.7
	14 Methyl acetate	43	2.883	2.883	(0.508)	54456	5.00000	4.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	2.980	2.980	(0.525)	284373	5.00000	4.9
	16 trans-1,2-Dichloroethene	96	3.235	3.235	(0.570)	365770	5.00000	4.8
	17 Methyl tert-butyl ether	73	3.229	3.229	(0.569)	448666	5.00000	4.9
	18 1,1-Dichloroethane	63	3.655	3.655	(0.644)	677551	5.00000	4.9
$	19 2-Butanone-d5	46	4.233	4.233	(0.746)	302702	50.0000	50
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	359430	5.00000	4.9
	21 2-Butanone	43	4.294	4.294	(0.757)	308106	50.0000	48
	22 Bromochloromethane	128	4.543	4.543	(0.801)	103058	5.00000	4.9
$	23 Chloroform-d	84	4.610	4.610	(0.812)	614321	5.00000	4.9
	24 Chloroform	83	4.629	4.629	(0.816)	559142	5.00000	4.8
	25 1,1,1-Trichloroethane	97	4.829	4.829	(0.533)	527989	5.00000	4.8
	26 Cyclohexane	56	4.884	4.884	(0.539)	753642	5.00000	4.7
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	440793	5.00000	4.8
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	190219	5.00000	4.9
$	29 Benzene-d6	84	5.200	5.200	(0.574)	1496972	5.00000	4.8
	30 Benzene	78	5.243	5.243	(0.579)	1551611	5.00000	4.8
	31 1,2-Dichloroethane	62	5.267	5.267	(0.928)	234026	5.00000	4.9
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	1138253	5.00000	
	33 Trichloroethene	95	5.967	5.967	(0.659)	365646	5.00000	4.9
$	34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	430418	5.00000	4.9
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	575516	5.00000	4.8
	36 1,2-Dichloropropane	63	6.223	6.223	(0.687)	323590	5.00000	4.9
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	331530	5.00000	4.9
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.779)	428830	5.00000	4.9
	39 4-Methyl-2-pentanone	43	7.251	7.251	(0.800)	835226	50.0000	50
$	40 Toluene-d8	98	7.360	7.360	(0.813)	1352318	5.00000	4.9
	41 Toluene	91	7.439	7.439	(0.821)	1636515	5.00000	4.8
$	42 trans-1,3-Dichloropropene-d4	79	7.676	7.676	(0.848)	262864	5.00000	4.9
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	300920	5.00000	5.1
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.874)	135875	5.00000	5.0
	45 Tetrachloroethene	164	8.072	8.072	(0.891)	284745	5.00000	4.7
$	46 2-Hexanone-d5	63	8.169	8.169	(0.902)	292166	50.0000	51
	47 2-Hexanone	43	8.230	8.230	(0.909)	530415	50.0000	50
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	159730	5.00000	5.1
	49 1,2-Dibromoethane	107	8.504	8.504	(0.939)	118917	5.00000	5.0
*	50 Chlorobenzene-d5	117	9.057	9.057	(1.000)	865269	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.003)	867483	5.00000	4.9
	52 Ethylbenzene	91	9.228	9.228	(1.019)	1809937	5.00000	4.9
	53 m,p-Xylene	106	9.374	9.374	(1.035)	679503	5.00000	4.9
	54 Styrene	104	9.867	9.867	(1.089)	924967	5.00000	5.0
	55 o-Xylene	106	9.848	9.848	(1.087)	616464	5.00000	4.8
	56 Bromoform	173	10.079	10.079	(0.848)	68360	5.00000	5.3
	57 Isopropylbenzene	105	10.299	10.299	(1.137)	1751072	5.00000	4.9
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.175)	128318	5.00000	4.8
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	124512	5.00000	4.9
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	556180	5.00000	4.9
*	61 1,4-Dichlorobenzene-d4	152	11.892	11.892	(1.000)	347813	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.917	11.917	(1.002)	528785	5.00000	4.8
$ 63 1,2-Dichlorobenzene-d4	152	12.330	12.330	(1.037)	264012	5.00000	4.9
64 1,2-Dichlorobenzene	146	12.349	12.349	(1.038)	410161	5.00000	4.8
65 1,2-Dibromo-3-chloropropane	75	13.200	13.200	(1.110)	15270	5.00000	4.1
66 1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	188480	5.00000	5.0
67 1,2,3-Trichlorobenzene	180	14.490	14.490	(1.218)	129774	5.00000	5.2

Data File: /chem/J.i/Jsvr.p/jaqsmtr.b/jaq010v.d
Date : 05-APR-2010 14:38
Client ID: VSTD010JG
Sample Info: JAQ010V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqsmtr.b/jaq010v.d
Lab Smp Id: VSTD010JG Client Smp ID: VSTD010JG
Inj Date : 05-APR-2010 14:38
Operator : JH2 Inst ID: J.i
Smp Info : JAQ010V
Misc Info : VSTD010JG,040510JG,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqsmtr.b/somtr4.m
Meth Date : 06-Apr-2010 10:41 jd1 Quant Type: ISTD
Cal Date : 05-APR-2010 14:38 Cal File: jaq010v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

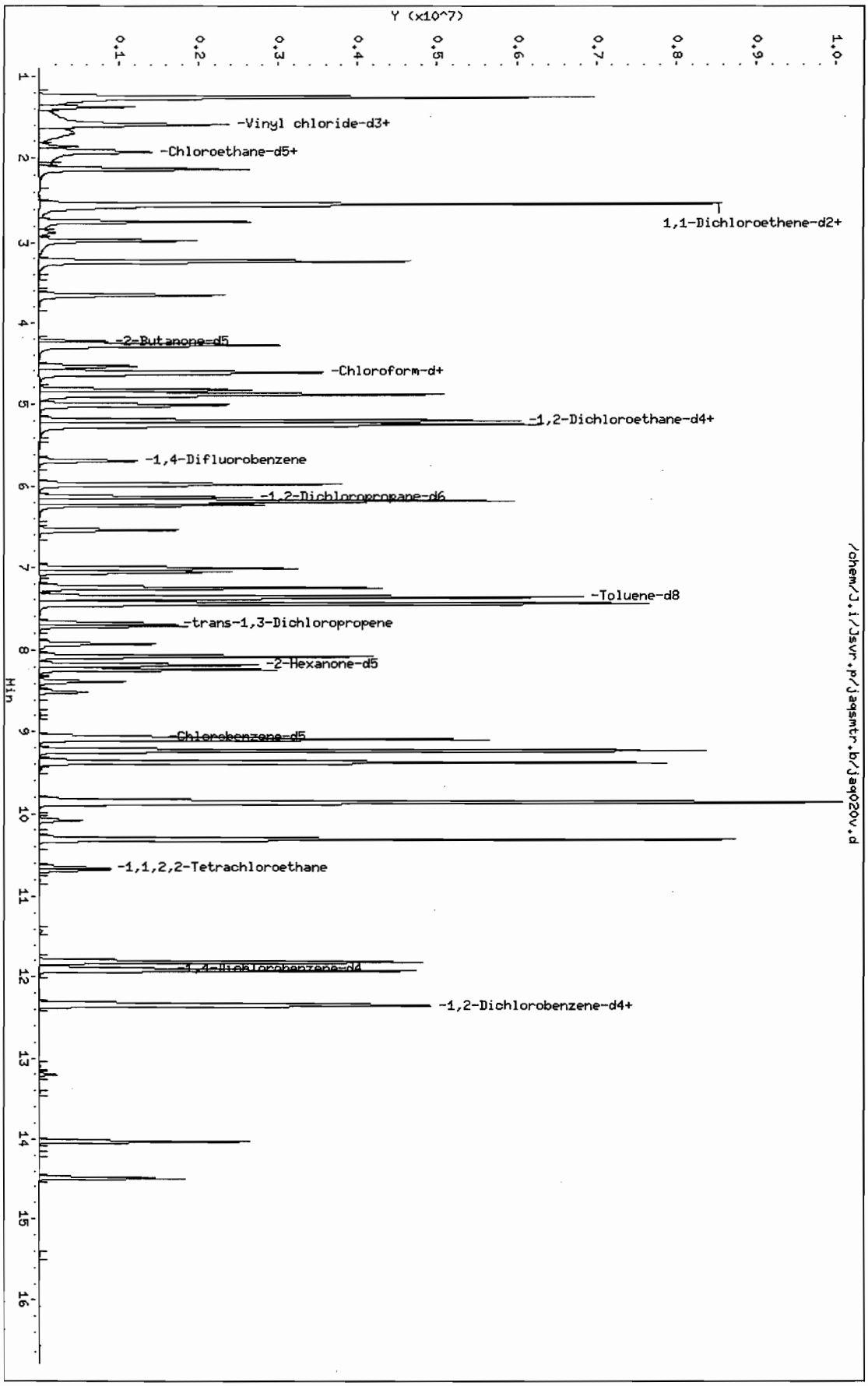
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	926652	10.0000	9.5
	2 Chloromethane	50	1.575	1.575	(0.277)	1018348	10.0000	10
$	3 Vinyl chloride-d3	65	1.593	1.599	(0.281)	885674	10.0000	9.4
	4 Vinyl chloride	62	1.599	1.599	(0.282)	1006597	10.0000	9.7
	5 Bromomethane	94	1.855	1.854	(0.327)	375418	10.0000	9.6(Q)
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	693425	10.0000	9.8
	7 Chloroethane	64	1.928	1.928	(0.340)	577785	10.0000	9.6
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	1138676	10.0000	9.7
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	1495066	10.0000	9.5
	10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	673078	10.0000	9.6
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	706072	10.0000	9.5
	12 Acetone	43	2.597	2.597	(0.458)	301985	100.000	92
	13 Carbon disulfide	76	2.749	2.749	(0.484)	2117275	10.0000	9.3
	14 Methyl acetate	43	2.883	2.883	(0.508)	106955	10.0000	8.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
15	Methylene chloride	84	2.980	2.980	(0.525)	550662	10.0000	9.6
16	trans-1,2-Dichloroethene	96	3.236	3.235	(0.570)	711937	10.0000	9.5
17	Methyl tert-butyl ether	73	3.229	3.229	(0.569)	870460	10.0000	9.6
18	1,1-Dichloroethane	63	3.655	3.655	(0.644)	1337531	10.0000	9.8
$ 19	2-Butanone-d5	46	4.233	4.233	(0.746)	608842	100.000	100
20	cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	693865	10.0000	9.6
21	2-Butanone	43	4.300	4.294	(0.758)	612160	100.000	97
22	Bromochloromethane	128	4.543	4.543	(0.801)	195280	10.0000	9.5
$ 23	Chloroform-d	84	4.610	4.610	(0.812)	1195243	10.0000	9.7
24	Chloroform	83	4.629	4.629	(0.816)	1109906	10.0000	9.7
25	1,1,1-Trichloroethane	97	4.829	4.829	(0.533)	1052055	10.0000	9.6
26	Cyclohexane	56	4.884	4.884	(0.539)	1487345	10.0000	9.5
27	Carbon tetrachloride	117	5.006	5.006	(0.553)	887834	10.0000	9.7
$ 28	1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	374594	10.0000	9.7
$ 29	Benzene-d6	84	5.201	5.200	(0.574)	2976005	10.0000	9.6
30	Benzene	78	5.243	5.243	(0.579)	3074773	10.0000	9.6
31	1,2-Dichloroethane	62	5.267	5.267	(0.928)	454540	10.0000	9.6
* 32	1,4-Difluorobenzene	114	5.675	5.675	(1.000)	1137353	5.00000	
33	Trichloroethene	95	5.967	5.967	(0.659)	731071	10.0000	9.8
$ 34	1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	838090	10.0000	9.5
35	Methylcyclohexane	55	6.174	6.174	(0.682)	1153434	10.0000	9.6
36	1,2-Dichloropropane	63	6.223	6.223	(0.687)	633207	10.0000	9.6
37	Bromodichloromethane	83	6.539	6.539	(0.722)	665433	10.0000	9.9
38	cis-1,3-Dichloropropene	75	7.056	7.056	(0.779)	863899	10.0000	9.9
39	4-Methyl-2-pentanone	43	7.251	7.251	(0.801)	1661829	100.000	99
$ 40	Toluene-d8	98	7.360	7.360	(0.813)	2710780	10.0000	9.8
41	Toluene	91	7.439	7.439	(0.821)	3198545	10.0000	9.5
$ 42	trans-1,3-Dichloropropene-d4	79	7.677	7.676	(0.848)	538520	10.0000	10
43	trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	597094	10.0000	10
44	1,1,2-Trichloroethane	97	7.920	7.920	(0.874)	267367	10.0000	9.8
45	Tetrachloroethene	164	8.072	8.072	(0.891)	569483	10.0000	9.6
$ 46	2-Hexanone-d5	63	8.169	8.169	(0.902)	586158	100.000	100
47	2-Hexanone	43	8.230	8.230	(0.909)	1055422	100.000	100
48	Dibromochloromethane	129	8.376	8.376	(0.925)	313411	10.0000	10
49	1,2-Dibromoethane	107	8.504	8.504	(0.939)	237228	10.0000	9.9
* 50	Chlorobenzene-d5	117	9.057	9.057	(1.000)	870946	5.00000	
51	Chlorobenzene	112	9.088	9.088	(1.003)	1728852	10.0000	9.8
52	Ethylbenzene	91	9.228	9.228	(1.019)	3635538	10.0000	9.8
53	m,p-Xylene	106	9.374	9.374	(1.035)	1353288	10.0000	9.8
54	Styrene	104	9.867	9.867	(1.089)	1864929	10.0000	10
55	o-Xylene	106	9.848	9.848	(1.087)	1241783	10.0000	9.7
56	Bromoform	173	10.080	10.079	(0.848)	138650	10.0000	10
57	Isopropylbenzene	105	10.299	10.299	(1.137)	3525851	10.0000	9.9
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.175)	255171	10.0000	9.6
59	1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	256058	10.0000	10
60	1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	1137881	10.0000	9.9
* 61	1,4-Dichlorobenzene-d4	152	11.892	11.892	(1.000)	349805	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.917	11.917	(1.002)	1069132	10.0000	9.7
$ 63	1,2-Dichlorobenzene-d4	152	12.330	12.330	(1.037)	532683	10.0000	9.9
64	1,2-Dichlorobenzene	146	12.349	12.349	(1.038)	827507	10.0000	9.7
65	1,2-Dibromo-3-chloropropane	75	13.207	13.200	(1.110)	31264	10.0000	8.8
66	1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	390268	10.0000	10
67	1,2,3-Trichlorobenzene	180	14.490	14.490	(1.218)	266296	10.0000	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.


Data File: /chem/J.i/Jsvr.p/jaqsmtr.b/jaq020v.d
Date : 05-APR-2010 15:05
Client ID: VSTD020JC
Sample Info: JAQ020V
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JH2
Column diameter: 0.53
Page 4
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
Min
-Vinyl chloride-d3+
-Chloroethane-d5+
1,1-Dichloroethene-d2+
-2-Butanone-d5
-Chloroform-d+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4+
/chem/J.i/Jsvr.p/jaqsmtr.b/jaq020v.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqsmtr.b/jaq020v.d
Lab Smp Id: VSTD020JG Client Smp ID: VSTD020JG
Inj Date : 05-APR-2010 15:05
Operator : JH2 Inst ID: J.i
Smp Info : JAQ020V
Misc Info : VSTD020JG,040510JG,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqsmtr.b/somtr4.m
Meth Date : 06-Apr-2010 10:41 jd1 Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.380	1.380	(0.243)	1919734	20.0000	20
2	Chloromethane	50	1.581	1.575	(0.279)	2105625	20.0000	20(A)
$ 3	Vinyl chloride-d3	65	1.593	1.599	(0.281)	1828804	20.0000	19
4	Vinyl chloride	62	1.599	1.599	(0.282)	2044233	20.0000	19
5	Bromomethane	94	1.855	1.854	(0.327)	787052	20.0000	20(Q)
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	1409135	20.0000	20
7	Chloroethane	64	1.928	1.928	(0.340)	1175933	20.0000	19
8	Trichlorofluoromethane	101	2.128	2.128	(0.375)	2322391	20.0000	20
$ 9	1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	3049755	20.0000	19
10	1,1-Dichloroethene	96	2.548	2.554	(0.449)	1392887	20.0000	20
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.542	2.548	(0.448)	1450309	20.0000	19
12	Acetone	43	2.597	2.597	(0.458)	607648	200.000	180
13	Carbon disulfide	76	2.749	2.749	(0.484)	4314173	20.0000	19
14	Methyl acetate	43	2.883	2.883	(0.508)	217311	20.0000	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
15	Methylene chloride	84	2.974	2.980	(0.524)	1136207	20.0000	20
16	trans-1,2-Dichloroethene	96	3.236	3.235	(0.570)	1449494	20.0000	19
17	Methyl tert-butyl ether	73	3.229	3.229	(0.569)	1825181	20.0000	20
18	1,1-Dichloroethane	63	3.655	3.655	(0.644)	2698151	20.0000	20
$ 19	2-Butanone-d5	46	4.233	4.233	(0.746)	1273353	200.000	200(A)
20	cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	1422072	20.0000	20
21	2-Butanone	43	4.300	4.294	(0.758)	1281511	200.000	200
22	Bromochloromethane	128	4.544	4.543	(0.801)	400680	20.0000	19
$ 23	Chloroform-d	84	4.610	4.610	(0.812)	2442054	20.0000	20
24	Chloroform	83	4.629	4.629	(0.816)	2277031	20.0000	20
25	1,1,1-Trichloroethane	97	4.829	4.829	(0.533)	2151277	20.0000	19
26	Cyclohexane	56	4.884	4.884	(0.539)	3011114	20.0000	19
27	Carbon tetrachloride	117	5.006	5.006	(0.553)	1821644	20.0000	19
$ 28	1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	761433	20.0000	19
$ 29	Benzene-d6	84	5.201	5.200	(0.574)	6069649	20.0000	19
30	Benzene	78	5.243	5.243	(0.579)	6199303	20.0000	19
31	1,2-Dichloroethane	62	5.267	5.267	(0.928)	920650	20.0000	19
* 32	1,4-Difluorobenzene	114	5.675	5.675	(1.000)	1155687	5.00000	
33	Trichloroethene	95	5.967	5.967	(0.659)	1506063	20.0000	20
$ 34	1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	1715898	20.0000	19
35	Methylcyclohexane	55	6.174	6.174	(0.682)	2322891	20.0000	19
36	1,2-Dichloropropane	63	6.223	6.223	(0.687)	1289472	20.0000	19
37	Bromodichloromethane	83	6.539	6.539	(0.722)	1385327	20.0000	20
38	cis-1,3-Dichloropropene	75	7.056	7.056	(0.779)	1777450	20.0000	20
39	4-Methyl-2-pentanone	43	7.251	7.251	(0.801)	3484564	200.000	200(A)
$ 40	Toluene-d8	98	7.366	7.360	(0.813)	5543455	20.0000	19
41	Toluene	91	7.439	7.439	(0.821)	6579830	20.0000	19
$ 42	trans-1,3-Dichloropropene-d4	79	7.677	7.676	(0.848)	1132937	20.0000	20(A)
43	trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	1239997	20.0000	20(A)
44	1,1,2-Trichloroethane	97	7.920	7.920	(0.874)	551382	20.0000	20
45	Tetrachloroethene	164	8.072	8.072	(0.891)	1182412	20.0000	19
$ 46	2-Hexanone-d5	63	8.175	8.169	(0.903)	1219203	200.000	200(A)
47	2-Hexanone	43	8.230	8.230	(0.909)	2235603	200.000	200(A)
48	Dibromochloromethane	129	8.376	8.376	(0.925)	669417	20.0000	21(A)
49	1,2-Dibromoethane	107	8.504	8.504	(0.939)	489688	20.0000	20
* 50	Chlorobenzene-d5	117	9.058	9.057	(1.000)	898328	5.00000	
51	Chlorobenzene	112	9.088	9.088	(1.003)	3614355	20.0000	20
52	Ethylbenzene	91	9.228	9.228	(1.019)	7513509	20.0000	20
53	m,p-Xylene	106	9.374	9.374	(1.035)	2813811	20.0000	20
54	Styrene	104	9.867	9.867	(1.089)	3874174	20.0000	20(A)
55	o-Xylene	106	9.848	9.848	(1.087)	2556065	20.0000	19
56	Bromoform	173	10.080	10.079	(0.848)	292352	20.0000	20(A)
57	Isopropylbenzene	105	10.299	10.299	(1.137)	7275288	20.0000	20
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.175)	536545	20.0000	20
59	1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	526059	20.0000	20
60	1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	2403507	20.0000	20
* 61	1,4-Dichlorobenzene-d4	152	11.892	11.892	(1.000)	375380	5.00000	(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.917	11.917	(1.002)	2267156	20.0000	19
$ 63	1,2-Dichlorobenzene-d4	152	12.330	12.330	(1.037)	1117715	20.0000	19
64	1,2-Dichlorobenzene	146	12.349	12.349	(1.038)	1744273	20.0000	19
65	1,2-Dibromo-3-chloropropane	75	13.207	13.200	(1.110)	65932	20.0000	18
66	1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	856852	20.0000	21(A)
67	1,2,3-Trichlorobenzene	180	14.490	14.490	(1.218)	594692	20.0000	21(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 04/30/2010 Time: 1647

Lab File ID: JAQ005UV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JC Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.425	0.454	0.010	6.9	40.0
Chloromethane	0.451	0.449	0.010	-0.4	40.0
Vinyl chloride	0.454	0.472	0.100	3.9	30.0
Bromomethane	0.171	0.147	0.100	-13.9	30.0
Chloroethane	0.263	0.269	0.010	2.4	40.0
Trichlorofluoromethane	0.511	0.494	0.010	-3.3	40.0
1,1-Dichloroethene	0.306	0.291	0.100	-4.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.323	0.309	0.010	-4.4	40.0
Acetone	0.014	0.013	0.010	-11.4	40.0
Carbon disulfide	0.986	0.899	0.010	-8.8	40.0
Methyl acetate	0.053	0.046	0.010	-12.5	40.0
Methylene chloride	0.250	0.232	0.010	-7.3	40.0
trans-1,2-Dichloroethene	0.326	0.309	0.010	-5.0	40.0
Methyl tert-butyl ether	0.397	0.314	0.010	-20.8	40.0
1,1-Dichloroethane	0.597	0.585	0.200	-1.9	30.0
cis-1,2-Dichloroethene	0.316	0.302	0.010	-4.3	40.0
2-Butanone	0.028	0.026	0.010	-7.9	40.0
Bromochloromethane	0.090	0.081	0.050	-9.1	30.0
Chloroform	0.500	0.475	0.200	-5.0	30.0
1,1,1-Trichloroethane	0.625	0.624	0.100	-0.0	30.0
Cyclohexane	0.890	0.904	0.010	1.6	40.0
Carbon tetrachloride	0.522	0.525	0.100	0.6	30.0
Benzene	1.820	1.788	0.400	-1.8	30.0
1,2-Dichloroethane	0.206	0.186	0.100	-9.3	30.0
Trichloroethene	0.427	0.425	0.300	-0.5	30.0
Methylcyclohexane	0.679	0.709	0.010	4.3	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 04/30/2010 Time: 1647

Lab File ID: JAQ005UV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JC Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.373	0.370	0.010	-0.9	40.0
Bromodichloromethane	0.386	0.354	0.200	-8.5	30.0
cis-1,3-Dichloropropene	0.500	0.464	0.200	-7.2	30.0
4-Methyl-2-pentanone	0.096	0.086	0.010	-10.5	40.0
Toluene	1.916	1.860	0.400	-2.9	30.0
trans-1,3-Dichloropropene	0.343	0.322	0.100	-6.0	30.0
1,1,2-Trichloroethane	0.156	0.141	0.100	-9.6	30.0
Tetrachloroethene	0.340	0.347	0.100	2.2	30.0
2-Hexanone	0.061	0.054	0.010	-12.3	40.0
Dibromochloromethane	0.182	0.168	0.100	-7.4	30.0
1,2-Dibromoethane	0.137	0.120	0.010	-12.1	30.0
Chlorobenzene	1.014	0.962	0.500	-5.1	30.0
Ethylbenzene	2.128	2.122	0.100	-0.3	30.0
o-Xylene	0.730	0.705	0.300	-3.5	30.0
m,p-Xylene	0.793	0.807	0.300	1.8	30.0
Styrene	1.070	1.024	0.300	-4.2	30.0
Bromoform	0.191	0.173	0.050	-9.2	30.0
Isopropylbenzene	2.040	2.074	0.010	1.7	40.0
1,1,2,2-Tetrachloroethane	0.147	0.131	0.100	-10.5	30.0
1,3-Dichlorobenzene	1.634	1.563	0.400	-4.3	30.0
1,4-Dichlorobenzene	1.560	1.477	0.400	-5.3	30.0
1,2-Dichlorobenzene	1.209	1.113	0.400	-8.0	30.0
1,2-Dibromo-3-chloropropane	0.050	0.036	0.010	-26.7	40.0
1,2,4-Trichlorobenzene	0.553	0.541	0.200	-2.3	30.0
1,2,3-Trichlorobenzene	0.369	0.348	0.200	-5.7	30.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 04/30/2010 Time: 1647

Lab File ID: JAQ005UV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JC Init. Calib. Time(s): 1318 1505

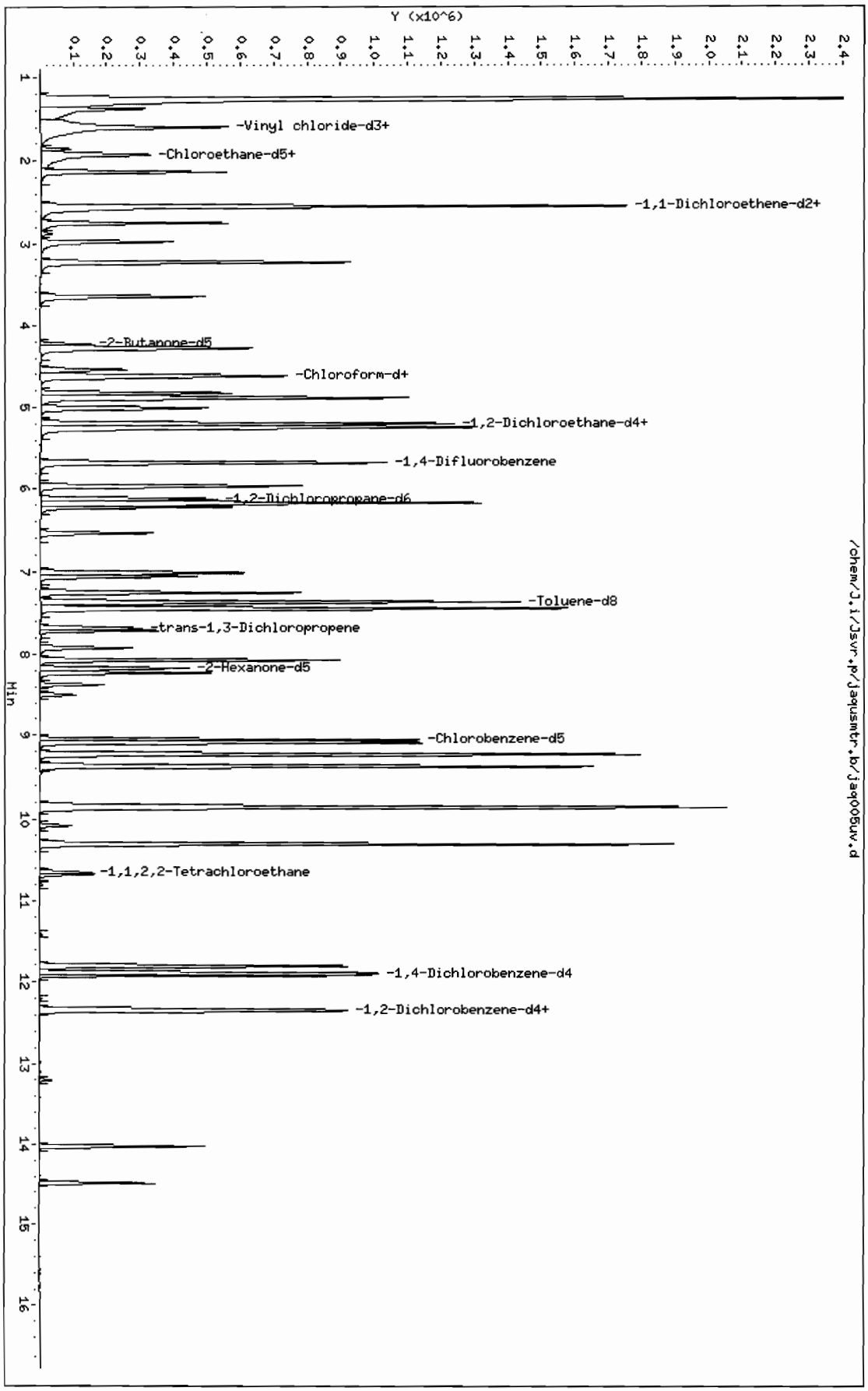
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.411	0.417	0.010	1.4	30.0
Chloroethane-d5	0.310	0.332	0.010	7.0	40.0
1,1-Dichloroethene-d2	0.683	0.656	0.010	-4.0	30.0
2-Butanone-d5	0.027	0.023	0.010	-14.9	40.0
Chloroform-d	0.541	0.519	0.010	-4.0	30.0
1,2-Dichloroethane-d4	0.169	0.150	0.010	-11.2	30.0
Benzene-d6	1.760	1.699	0.400	-3.5	30.0
1,2-Dichloropropane-d6	0.499	0.473	0.010	-5.2	40.0
Toluene-d8	1.583	1.542	0.010	-2.6	30.0
trans-1,3-Dichloropropene-d4	0.312	0.281	0.010	-9.9	30.0
2-Hexanone-d5	0.033	0.024	0.010	-26.5	40.0
1,1,2,2-Tetrachloroethane-d2	0.151	0.128	0.010	-15.5	30.0
1,2-Dichlorobenzene-d4	0.764	0.695	0.010	-9.1	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2



Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaq005uv.d
Date : 30-APR-2010 16:47
Client ID: VSTD005JC
Sample Info: JAQ005UV
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/jaq005uv.d
Lab Smp Id: VSTD005JC Client Smp ID: VSTD005JC
Inj Date : 30-APR-2010 16:47
Operator : JP1 Inst ID: J.i
Smp Info : JAQ005UV
Misc Info : VSTD005JC,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.386	1.386	(0.244)	443577	5.00000	5.3
	2 Chloromethane	50	1.575	1.575	(0.277)	438078	5.00000	5.0
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	407016	5.00000	5.1
	4 Vinyl chloride	62	1.605	1.605	(0.283)	461187	5.00000	5.2
	5 Bromomethane	94	1.855	1.855	(0.327)	143964	5.00000	4.3
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	323861	5.00000	5.3
	7 Chloroethane	64	1.934	1.934	(0.341)	262813	5.00000	5.1
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	482570	5.00000	4.8
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	640190	5.00000	4.8
	10 1,1-Dichloroethene	96	2.548	2.548	(0.449)	284284	5.00000	4.8
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	301868	5.00000	4.8
	12 Acetone	43	2.591	2.591	(0.456)	122917	50.0000	44
	13 Carbon disulfide	76	2.749	2.749	(0.484)	878096	5.00000	4.6
	14 Methyl acetate	43	2.883	2.883	(0.508)	44870	5.00000	4.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.980	2.980	(0.525)	226487	5.00000	4.6
	16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	302134	5.00000	4.8
	17 Methyl tert-butyl ether	73	3.230	3.230	(0.569)	306916	5.00000	4.0
	18 1,1-Dichloroethane	63	3.655	3.655	(0.644)	571248	5.00000	4.9
$	19 2-Butanone-d5	46	4.227	4.227	(0.745)	223410	50.0000	43
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	294910	5.00000	4.8
	21 2-Butanone	43	4.294	4.294	(0.757)	250094	50.0000	46
	22 Bromochloromethane	128	4.538	4.538	(0.800)	79467	5.00000	4.5
$	23 Chloroform-d	84	4.604	4.604	(0.811)	506994	5.00000	4.8
	24 Chloroform	83	4.629	4.629	(0.816)	464234	5.00000	4.8
	25 1,1,1-Trichloroethane	97	4.823	4.823	(0.533)	456655	5.00000	5.0
	26 Cyclohexane	56	4.884	4.884	(0.540)	661044	5.00000	5.1
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	383915	5.00000	5.0
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	146455	5.00000	4.4
$	29 Benzene-d6	84	5.195	5.195	(0.574)	1242119	5.00000	4.8
	30 Benzene	78	5.237	5.237	(0.579)	1307324	5.00000	4.9
	31 1,2-Dichloroethane	62	5.268	5.268	(0.928)	182078	5.00000	4.5
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	976398	5.00000	
	33 Trichloroethene	95	5.961	5.961	(0.659)	310469	5.00000	5.0
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	345912	5.00000	4.7
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	518475	5.00000	5.2
	36 1,2-Dichloropropane	63	6.223	6.223	(0.687)	270417	5.00000	5.0
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	258557	5.00000	4.6
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.780)	339199	5.00000	4.6
	39 4-Methyl-2-pentanone	43	7.245	7.245	(0.800)	631388	50.0000	45
$	40 Toluene-d8	98	7.360	7.360	(0.813)	1127348	5.00000	4.9
	41 Toluene	91	7.433	7.433	(0.821)	1359940	5.00000	4.9
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.671	(0.847)	205225	5.00000	4.5
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	235628	5.00000	4.7
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.875)	103312	5.00000	4.5
	45 Tetrachloroethene	164	8.066	8.066	(0.891)	253886	5.00000	5.1
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	178924	50.0000	37
	47 2-Hexanone	43	8.224	8.224	(0.909)	392024	50.0000	44
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	122911	5.00000	4.6
	49 1,2-Dibromoethane	107	8.498	8.498	(0.939)	88072	5.00000	4.4
*	50 Chlorobenzene-d5	117	9.052	9.052	(1.000)	731298	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.004)	703680	5.00000	4.7
	52 Ethylbenzene	91	9.228	9.228	(1.019)	1551967	5.00000	5.0
	53 m,p-Xylene	106	9.368	9.368	(1.035)	590252	5.00000	5.1
	54 Styrene	104	9.867	9.867	(1.090)	749019	5.00000	4.8
	55 o-Xylene	106	9.842	9.842	(1.087)	515242	5.00000	4.8
	56 Bromoform	173	10.080	10.080	(0.848)	51949	5.00000	4.5
	57 Isopropylbenzene	105	10.299	10.299	(1.138)	1516612	5.00000	5.1
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	93607	5.00000	4.2
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	95985	5.00000	4.5
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	468935	5.00000	4.8
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	300003	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.917	11.917	(1.003)	443247	5.00000	4.7
$ 63 1,2-Dichlorobenzene-d4	152	12.325	12.325	(1.037)	208468	5.00000	4.5
64 1,2-Dichlorobenzene	146	12.349	12.349	(1.039)	333762	5.00000	4.6
65 1,2-Dibromo-3-chloropropane	75	13.201	13.201	(1.111)	10886	5.00000	3.7
66 1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	162162	5.00000	4.9
67 1,2,3-Trichlorobenzene	180	14.484	14.484	(1.219)	104385	5.00000	4.7

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 0318

Lab File ID: JAQ05UC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005CJ Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.425	0.448	0.010	5.5	50.0
Chloromethane	0.451	0.509	0.010	12.9	50.0
Vinyl chloride	0.454	0.478	0.010	5.1	50.0
Bromomethane	0.171	0.128	0.010	-25.0	50.0
Chloroethane	0.263	0.264	0.010	0.3	50.0
Trichlorofluoromethane	0.511	0.491	0.010	-3.9	50.0
1,1-Dichloroethene	0.306	0.287	0.010	-6.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.323	0.305	0.010	-5.8	50.0
Acetone	0.014	0.013	0.010	-10.0	50.0
Carbon disulfide	0.986	0.892	0.010	-9.6	50.0
Methyl acetate	0.053	0.042	0.010	-20.8	50.0
Methylene chloride	0.250	0.241	0.010	-3.8	50.0
trans-1,2-Dichloroethene	0.326	0.319	0.010	-1.9	50.0
Methyl tert-butyl ether	0.397	0.346	0.010	-12.9	50.0
1,1-Dichloroethane	0.597	0.600	0.010	0.6	50.0
cis-1,2-Dichloroethene	0.316	0.303	0.010	-3.9	50.0
2-Butanone	0.028	0.027	0.010	-1.2	50.0
Bromochloromethane	0.090	0.084	0.010	-5.7	50.0
Chloroform	0.500	0.496	0.010	-0.8	50.0
1,1,1-Trichloroethane	0.625	0.605	0.010	-3.2	50.0
Cyclohexane	0.890	0.879	0.010	-1.2	50.0
Carbon tetrachloride	0.522	0.516	0.010	-1.1	50.0
Benzene	1.820	1.777	0.010	-2.3	50.0
1,2-Dichloroethane	0.206	0.195	0.010	-5.3	50.0
Trichloroethene	0.427	0.425	0.010	-0.4	50.0
Methylcyclohexane	0.679	0.682	0.010	0.4	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 0318

Lab File ID: JAQ05UC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005CJ Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.373	0.377	0.010	1.0	50.0
Bromodichloromethane	0.386	0.363	0.010	-6.1	50.0
cis-1,3-Dichloropropene	0.500	0.469	0.010	-6.1	50.0
4-Methyl-2-pentanone	0.096	0.094	0.010	-2.9	50.0
Toluene	1.916	1.860	0.010	-2.9	50.0
trans-1,3-Dichloropropene	0.343	0.319	0.010	-6.8	50.0
1,1,2-Trichloroethane	0.156	0.145	0.010	-7.2	50.0
Tetrachloroethene	0.340	0.335	0.010	-1.5	50.0
2-Hexanone	0.061	0.061	0.010	-0.7	50.0
Dibromochloromethane	0.182	0.170	0.010	-6.2	50.0
1,2-Dibromoethane	0.137	0.127	0.010	-7.5	50.0
Chlorobenzene	1.014	0.995	0.010	-1.8	50.0
Ethylbenzene	2.128	2.114	0.010	-0.7	50.0
o-Xylene	0.730	0.713	0.010	-2.3	50.0
m,p-Xylene	0.793	0.789	0.010	-0.5	50.0
Styrene	1.070	1.053	0.010	-1.5	50.0
Bromoform	0.191	0.170	0.010	-11.1	50.0
Isopropylbenzene	2.040	2.063	0.010	1.1	50.0
1,1,2,2-Tetrachloroethane	0.147	0.137	0.010	-6.4	50.0
1,3-Dichlorobenzene	1.634	1.487	0.010	-9.0	50.0
1,4-Dichlorobenzene	1.560	1.440	0.010	-7.7	50.0
1,2-Dichlorobenzene	1.209	1.123	0.010	-7.1	50.0
1,2-Dibromo-3-chloropropane	0.050	0.039	0.010	-22.1	50.0
1,2,4-Trichlorobenzene	0.553	0.558	0.010	0.8	50.0
1,2,3-Trichlorobenzene	0.369	0.377	0.010	2.3	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 0318

Lab File ID: JAQ05UC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005CJ Init. Calib. Time(s): 1318 1505

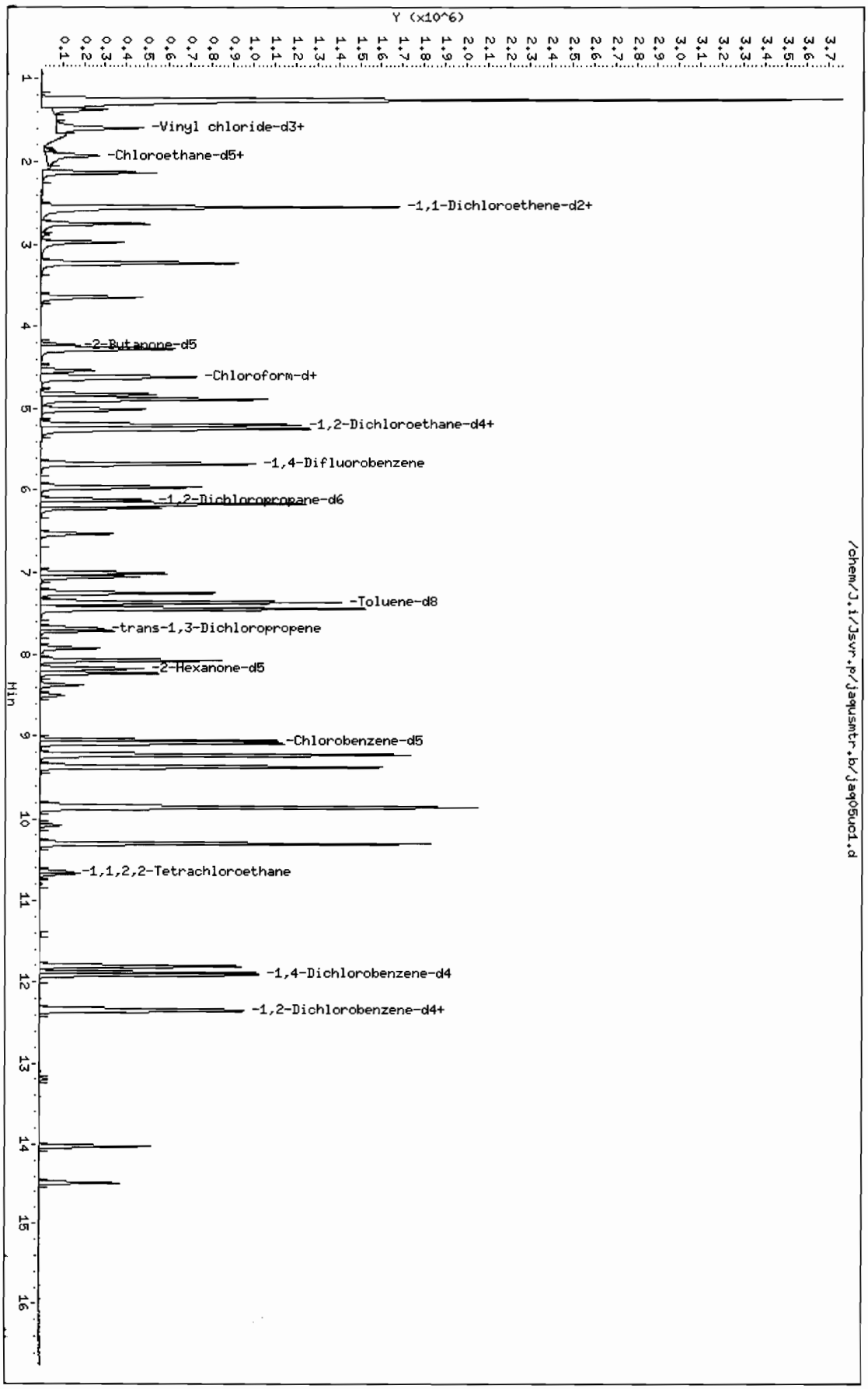
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.411	0.429	0.010	4.3	50.0
Chloroethane-d5	0.310	0.329	0.010	6.0	50.0
1,1-Dichloroethene-d2	0.683	0.664	0.010	-2.7	50.0
2-Butanone-d5	0.027	0.025	0.010	-6.6	50.0
Chloroform-d	0.541	0.511	0.010	-5.4	50.0
1,2-Dichloroethane-d4	0.169	0.157	0.010	-6.8	50.0
Benzene-d6	1.760	1.697	0.010	-3.5	50.0
1,2-Dichloropropane-d6	0.499	0.481	0.010	-3.5	50.0
Toluene-d8	1.583	1.540	0.010	-2.7	50.0
trans-1,3-Dichloropropene-d4	0.312	0.276	0.010	-11.3	50.0
2-Hexanone-d5	0.033	0.028	0.010	-15.9	50.0
1,1,2,2-Tetrachloroethane-d2	0.151	0.137	0.010	-9.4	50.0
1,2-Dichlorobenzene-d4	0.764	0.705	0.010	-7.7	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2


Y (x10^6)
Min
-Vinyl chloride-d3+
-Chloroethane-d5+
-1,1-Dichloroethene-d2+
-2-Butanone-d5
-Chloroform-d+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4+
/chem/J.i/Jsvr.P/jaqusmtr.b/jaq05uc1.d
Data File: /chem/J.i/Jsvr.P/jaqusmtr.b/jaq05uc1.d
Date : 01-MAY-2010 03:18
Client ID: VSTD005CJ
Sample Info: JAQ05UC1
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/jaq05uc1.d
Lab Smp Id: VSTD005CJ Client Smp ID: VSTD005CJ
Inj Date : 01-MAY-2010 03:18
Operator : JP1 Inst ID: J.i
Smp Info : JAQ05UC1
Misc Info : VSTD005CJ,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4jaqCL.m
Meth Date : 11-May-2010 11:09 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 20 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.380	1.380	(0.243)	420673	5.00000	5.3
2	Chloromethane	50	1.587	1.575	(0.280)	477665	5.00000	5.6
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	402578	5.00000	5.2
4	Vinyl chloride	62	1.605	1.599	(0.283)	448646	5.00000	5.3
5	Bromomethane	94	1.855	1.854	(0.327)	120616	5.00000	3.8(Q)
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	308619	5.00000	5.3(M)
7	Chloroethane	64	1.928	1.928	(0.340)	247572	5.00000	5.0
8	Trichlorofluoromethane	101	2.128	2.128	(0.375)	461486	5.00000	4.8
$ 9	1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	623605	5.00000	4.9
10	1,1-Dichloroethene	96	2.548	2.554	(0.449)	269173	5.00000	4.7
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	286041	5.00000	4.7
12	Acetone	43	2.597	2.597	(0.458)	120151	50.0000	45
13	Carbon disulfide	76	2.749	2.749	(0.484)	837182	5.00000	4.5
14	Methyl acetate	43	2.883	2.883	(0.508)	39086	5.00000	4.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.980	2.980	(0.525)	226123	5.00000	4.8
	16 trans-1,2-Dichloroethene	96	3.236	3.235	(0.570)	300017	5.00000	4.9
	17 Methyl tert-butyl ether	73	3.229	3.229	(0.569)	324646	5.00000	4.4
	18 1,1-Dichloroethane	63	3.655	3.655	(0.644)	563668	5.00000	5.0
$	19 2-Butanone-d5	46	4.227	4.233	(0.745)	235802	50.0000	47
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	284688	5.00000	4.8
	21 2-Butanone	43	4.294	4.294	(0.757)	257959	50.0000	49
	22 Bromochloromethane	128	4.537	4.543	(0.800)	79287	5.00000	4.7
$	23 Chloroform-d	84	4.610	4.610	(0.812)	480139	5.00000	4.7
	24 Chloroform	83	4.629	4.629	(0.816)	465953	5.00000	5.0
	25 1,1,1-Trichloroethane	97	4.823	4.829	(0.533)	432669	5.00000	4.8
	26 Cyclohexane	56	4.884	4.884	(0.540)	628878	5.00000	4.9
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	369206	5.00000	4.9
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	147784	5.00000	4.7
$	29 Benzene-d6	84	5.201	5.200	(0.575)	1214240	5.00000	4.8
	30 Benzene	78	5.243	5.243	(0.579)	1271584	5.00000	4.9
	31 1,2-Dichloroethane	62	5.267	5.267	(0.928)	182827	5.00000	4.7
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	939023	5.00000	
	33 Trichloroethene	95	5.961	5.967	(0.659)	304245	5.00000	5.0
$	34 1,2-Dichloropropane-d6	67	6.119	6.125	(0.676)	344424	5.00000	4.8
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	488085	5.00000	5.0
	36 1,2-Dichloropropane	63	6.223	6.223	(0.687)	269692	5.00000	5.0
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	259489	5.00000	4.7
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.780)	335595	5.00000	4.7
	39 4-Methyl-2-pentanone	43	7.245	7.251	(0.800)	670168	50.0000	49
$	40 Toluene-d8	98	7.360	7.360	(0.813)	1101991	5.00000	4.9
	41 Toluene	91	7.439	7.439	(0.822)	1330499	5.00000	4.9
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.676	(0.847)	197662	5.00000	4.4
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	228483	5.00000	4.7
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.875)	103768	5.00000	4.6
	45 Tetrachloroethene	164	8.066	8.072	(0.891)	239382	5.00000	4.9
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	200061	50.0000	42
	47 2-Hexanone	43	8.230	8.230	(0.909)	434150	50.0000	50
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	121786	5.00000	4.7
	49 1,2-Dibromoethane	107	8.504	8.504	(0.940)	90684	5.00000	4.6
*	50 Chlorobenzene-d5	117	9.051	9.057	(1.000)	715483	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.004)	712129	5.00000	4.9
	52 Ethylbenzene	91	9.228	9.228	(1.019)	1512201	5.00000	5.0
	53 m,p-Xylene	106	9.368	9.374	(1.035)	564343	5.00000	5.0
	54 Styrene	104	9.867	9.867	(1.090)	753679	5.00000	4.9
	55 o-Xylene	106	9.842	9.848	(1.087)	510343	5.00000	4.9
	56 Bromoform	173	10.080	10.079	(0.848)	52580	5.00000	4.4
	57 Isopropylbenzene	105	10.299	10.299	(1.138)	1476365	5.00000	5.1
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	98175	5.00000	4.5
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	98187	5.00000	4.7
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	461188	5.00000	4.6
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.892	(1.000)	310071	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.917	11.917	(1.003)	446470	5.00000	4.6
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.330	(1.037)	218689	5.00000	4.6
64 1,2-Dichlorobenzene	146	12.349	12.349	(1.039)	348355	5.00000	4.6
65 1,2-Dibromo-3-chloropropane	75	13.200	13.200	(1.111)	11958	5.00000	3.9
66 1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	172895	5.00000	5.0
67 1,2,3-Trichlorobenzene	180	14.484	14.490	(1.219)	117018	5.00000	5.1

QC Flag Legend

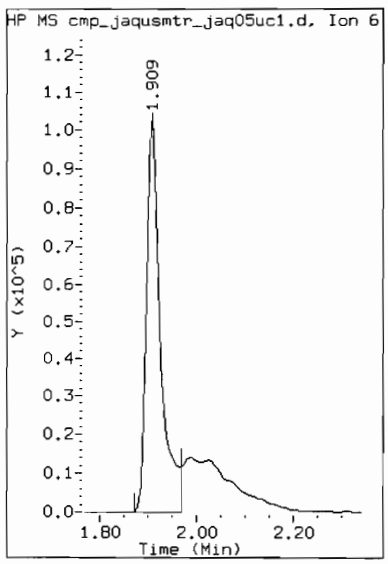
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

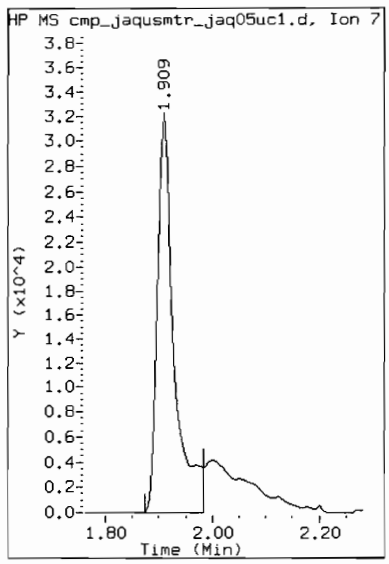
MANUAL INTEGRATION REPORT

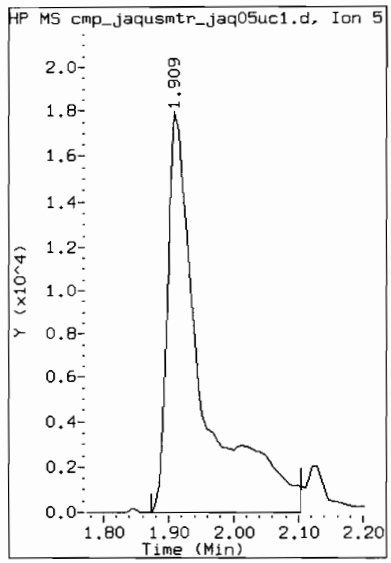
Data File Name: jaq05uc1.d
Client Sample ID: VSTD005CJ
Compound Name: Chloroethane-d5

Inj. Date and Time: 01-MAY-2010 03:18
Instrument ID: J.i
CAS #: 19199-91-8

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/11/2010 11:09

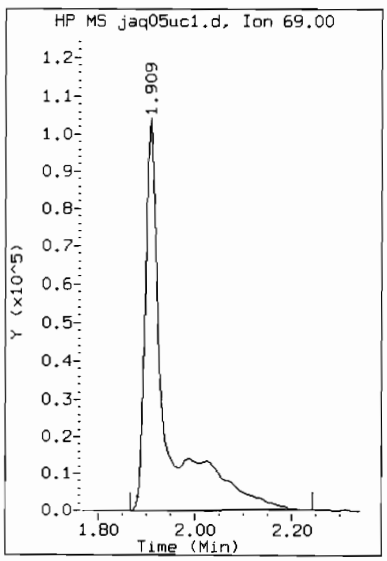


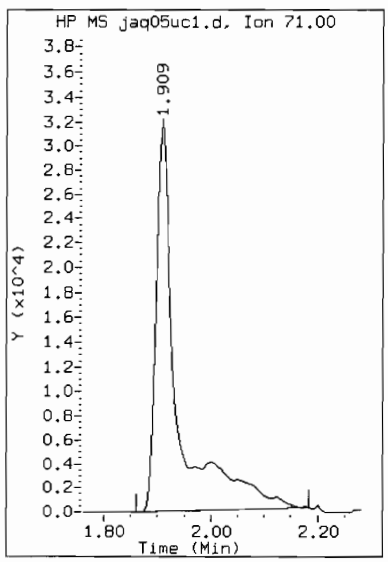


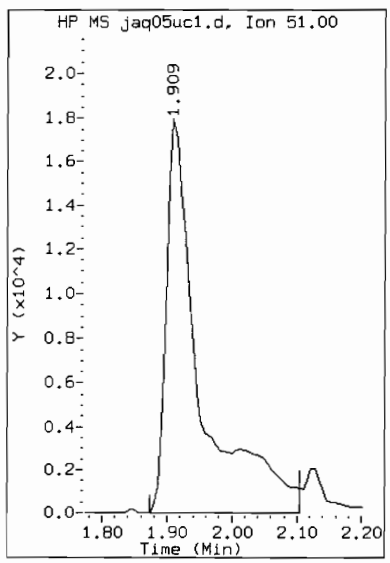


Original Integrations:

Area = 213583 Area = 69044 Area = 66051







Final Integrations:

Area = 308619 Area = 89279 Area = 66051

Manual Integration Reason: MI1 - Poor automated baseline

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 1041

Lab File ID: JAQ005VV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JD Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.425	0.468	0.010	10.1	40.0
Chloromethane	0.451	0.496	0.010	10.0	40.0
Vinyl chloride	0.454	0.480	0.100	5.5	30.0
Bromomethane	0.171	0.148	0.100	-13.7	30.0
Chloroethane	0.263	0.268	0.010	1.9	40.0
Trichlorofluoromethane	0.511	0.503	0.010	-1.6	40.0
1,1-Dichloroethene	0.306	0.294	0.100	-3.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.323	0.313	0.010	-3.3	40.0
Acetone	0.014	0.014	0.010	-4.3	40.0
Carbon disulfide	0.986	0.901	0.010	-8.6	40.0
Methyl acetate	0.053	0.053	0.010	0.4	40.0
Methylene chloride	0.250	0.238	0.010	-4.9	40.0
trans-1,2-Dichloroethene	0.326	0.316	0.010	-2.8	40.0
Methyl tert-butyl ether	0.397	0.346	0.010	-12.7	40.0
1,1-Dichloroethane	0.597	0.595	0.200	-0.3	30.0
cis-1,2-Dichloroethene	0.316	0.307	0.010	-2.8	40.0
2-Butanone	0.028	0.028	0.010	-0.3	40.0
Bromochloromethane	0.090	0.081	0.050	-9.9	30.0
Chloroform	0.500	0.499	0.200	-0.3	30.0
1,1,1-Trichloroethane	0.625	0.605	0.100	-3.2	30.0
Cyclohexane	0.890	0.887	0.010	-0.4	40.0
Carbon tetrachloride	0.522	0.514	0.100	-1.6	30.0
Benzene	1.820	1.785	0.400	-1.9	30.0
1,2-Dichloroethane	0.206	0.197	0.100	-4.3	30.0
Trichloroethene	0.427	0.429	0.300	0.5	30.0
Methylcyclohexane	0.679	0.690	0.010	1.6	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 1041

Lab File ID: JAQ005VV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JD Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.373	0.368	0.010	-1.3	40.0
Bromodichloromethane	0.386	0.368	0.200	-4.6	30.0
cis-1,3-Dichloropropene	0.500	0.476	0.200	-4.8	30.0
4-Methyl-2-pentanone	0.096	0.093	0.010	-3.9	40.0
Toluene	1.916	1.866	0.400	-2.6	30.0
trans-1,3-Dichloropropene	0.343	0.326	0.100	-4.8	30.0
1,1,2-Trichloroethane	0.156	0.146	0.100	-6.3	30.0
Tetrachloroethene	0.340	0.334	0.100	-1.7	30.0
2-Hexanone	0.061	0.061	0.010	0.5	40.0
Dibromochloromethane	0.182	0.168	0.100	-7.3	30.0
1,2-Dibromoethane	0.137	0.123	0.010	-10.0	30.0
Chlorobenzene	1.014	0.977	0.500	-3.7	30.0
Ethylbenzene	2.128	2.118	0.100	-0.4	30.0
o-Xylene	0.730	0.711	0.300	-2.5	30.0
m,p-Xylene	0.793	0.791	0.300	-0.2	30.0
Styrene	1.070	1.050	0.300	-1.8	30.0
Bromoform	0.191	0.165	0.050	-13.5	30.0
Isopropylbenzene	2.040	2.064	0.010	1.2	40.0
1,1,2,2-Tetrachloroethane	0.147	0.140	0.100	-4.4	30.0
1,3-Dichlorobenzene	1.634	1.515	0.400	-7.3	30.0
1,4-Dichlorobenzene	1.560	1.456	0.400	-6.7	30.0
1,2-Dichlorobenzene	1.209	1.114	0.400	-7.8	30.0
1,2-Dibromo-3-chloropropane	0.050	0.038	0.010	-24.1	40.0
1,2,4-Trichlorobenzene	0.553	0.548	0.200	-0.9	30.0
1,2,3-Trichlorobenzene	0.369	0.370	0.200	0.4	30.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 1041

Lab File ID: JAQ005VV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JD Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.411	0.437	0.010	6.4	30.0
Chloroethane-d5	0.310	0.327	0.010	5.4	40.0
1,1-Dichloroethene-d2	0.683	0.661	0.010	-3.3	30.0
2-Butanone-d5	0.027	0.024	0.010	-9.3	40.0
Chloroform-d	0.541	0.521	0.010	-3.7	30.0
1,2-Dichloroethane-d4	0.169	0.155	0.010	-8.2	30.0
Benzene-d6	1.760	1.679	0.400	-4.5	30.0
1,2-Dichloropropane-d6	0.499	0.478	0.010	-4.2	40.0
Toluene-d8	1.583	1.527	0.010	-3.5	30.0
trans-1,3-Dichloropropene-d4	0.312	0.286	0.010	-8.3	30.0
2-Hexanone-d5	0.033	0.027	0.010	-20.3	40.0
1,1,2,2-Tetrachloroethane-d2	0.151	0.137	0.010	-9.5	30.0
1,2-Dichlorobenzene-d4	0.764	0.686	0.010	-10.3	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaq005vv.d
Date : 01-MAY-2010 10:41
Client ID: VSTD005JD
Sample Info: JAQ005VV
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 4
Y (x10^6)
Min
/chem/J.i/Jsvr.p/jaqvsmtr.b/jaq005vv.d
-Vinyl chloride-d3+
-Chloroethane-d5+
1,1-Dichloroethene-d2+
-2-Butanone-d5
-Chloroform-d+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4+

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaq005vv.d
Lab Smp Id: VSTD005JD Client Smp ID: VSTD005JD
Inj Date : 01-MAY-2010 10:41
Operator : JP1 Inst ID: J.i
Smp Info : JAQ005VV
Misc Info : VSTD005JD,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	443508	5.00000	5.5
	2 Chloromethane	50	1.587	1.587	(0.280)	470088	5.00000	5.5
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	414767	5.00000	5.3
	4 Vinyl chloride	62	1.605	1.605	(0.283)	454771	5.00000	5.3
	5 Bromomethane	94	1.854	1.854	(0.327)	140200	5.00000	4.3
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	309925	5.00000	5.3
	7 Chloroethane	64	1.934	1.934	(0.341)	253950	5.00000	5.1
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	477189	5.00000	4.9
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	626503	5.00000	4.8
	10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	279201	5.00000	4.8
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	296619	5.00000	4.8
	12 Acetone	43	2.597	2.597	(0.458)	128999	50.0000	48
	13 Carbon disulfide	76	2.749	2.749	(0.484)	854954	5.00000	4.6
	14 Methyl acetate	43	2.883	2.883	(0.508)	50020	5.00000	5.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.980	2.980	(0.525)	225725	5.00000	4.8
	16 trans-1,2-Dichloroethene	96	3.235	3.235	(0.570)	300171	5.00000	4.9
	17 Methyl tert-butyl ether	73	3.229	3.229	(0.569)	328346	5.00000	4.4
	18 1,1-Dichloroethane	63	3.655	3.655	(0.644)	564114	5.00000	5.0
$	19 2-Butanone-d5	46	4.233	4.233	(0.746)	231172	50.0000	45
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	290974	5.00000	4.9
	21 2-Butanone	43	4.294	4.294	(0.757)	263112	50.0000	50
	22 Bromochloromethane	128	4.537	4.537	(0.800)	76485	5.00000	4.5
$	23 Chloroform-d	84	4.610	4.610	(0.812)	493729	5.00000	4.8
	24 Chloroform	83	4.629	4.629	(0.816)	472933	5.00000	5.0
	25 1,1,1-Trichloroethane	97	4.829	4.829	(0.534)	443480	5.00000	4.8
	26 Cyclohexane	56	4.884	4.884	(0.540)	650061	5.00000	5.0
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	376614	5.00000	4.9
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	147040	5.00000	4.6
$	29 Benzene-d6	84	5.200	5.200	(0.575)	1231311	5.00000	4.8
	30 Benzene	78	5.243	5.243	(0.579)	1308656	5.00000	4.9
	31 1,2-Dichloroethane	62	5.267	5.267	(0.928)	186596	5.00000	4.8
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	948427	5.00000	
	33 Trichloroethene	95	5.961	5.961	(0.659)	314572	5.00000	5.0
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	350359	5.00000	4.8
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	506157	5.00000	5.1
	36 1,2-Dichloropropane	63	6.223	6.223	(0.687)	270154	5.00000	4.9
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	270025	5.00000	4.8
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.780)	348952	5.00000	4.8
	39 4-Methyl-2-pentanone	43	7.245	7.245	(0.800)	679524	50.0000	48
$	40 Toluene-d8	98	7.360	7.360	(0.813)	1119837	5.00000	4.8
	41 Toluene	91	7.439	7.439	(0.822)	1368140	5.00000	4.9
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.670	(0.847)	209376	5.00000	4.6
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	239242	5.00000	4.8
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.875)	107341	5.00000	4.7
	45 Tetrachloroethene	164	8.066	8.066	(0.891)	244822	5.00000	4.9
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	194460	50.0000	40
	47 2-Hexanone	43	8.230	8.230	(0.909)	450198	50.0000	50
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	123401	5.00000	4.6
	49 1,2-Dibromoethane	107	8.498	8.498	(0.939)	90375	5.00000	4.5
*	50 Chlorobenzene-d5	117	9.051	9.051	(1.000)	733145	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.004)	715968	5.00000	4.8
	52 Ethylbenzene	91	9.228	9.228	(1.019)	1553024	5.00000	5.0
	53 m,p-Xylene	106	9.368	9.368	(1.035)	579956	5.00000	5.0
	54 Styrene	104	9.867	9.867	(1.090)	769770	5.00000	4.9
	55 o-Xylene	106	9.842	9.842	(1.087)	521508	5.00000	4.9
	56 Bromoform	173	10.079	10.079	(0.848)	52626	5.00000	4.3
	57 Isopropylbenzene	105	10.298	10.298	(1.138)	1513354	5.00000	5.1
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	100477	5.00000	4.5
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	102846	5.00000	4.8
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	483359	5.00000	4.6
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	319141	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.917	11.917	(1.003)	464730	5.00000	4.7
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	218798	5.00000	4.5
64 1,2-Dichlorobenzene	146	12.349	12.349	(1.039)	355522	5.00000	4.6
65 1,2-Dibromo-3-chloropropane	75	13.200	13.200	(1.111)	11993	5.00000	3.8
66 1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	174832	5.00000	5.0
67 1,2,3-Trichlorobenzene	180	14.484	14.484	(1.219)	118235	5.00000	5.0

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 1811

Lab File ID: JAQ05VC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005DJ Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.425	0.464	0.010	9.2	50.0
Chloromethane	0.451	0.497	0.010	10.2	50.0
Vinyl chloride	0.454	0.473	0.010	4.0	50.0
Bromomethane	0.171	0.132	0.010	-23.2	50.0
Chloroethane	0.263	0.255	0.010	-2.9	50.0
Trichlorofluoromethane	0.511	0.488	0.010	-4.5	50.0
1,1-Dichloroethene	0.306	0.291	0.010	-4.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.323	0.300	0.010	-7.1	50.0
Acetone	0.014	0.012	0.010	-14.4	50.0
Carbon disulfide	0.986	0.896	0.010	-9.1	50.0
Methyl acetate	0.053	0.050	0.010	-5.4	50.0
Methylene chloride	0.250	0.234	0.010	-6.3	50.0
trans-1,2-Dichloroethene	0.326	0.315	0.010	-3.4	50.0
Methyl tert-butyl ether	0.397	0.339	0.010	-14.6	50.0
1,1-Dichloroethane	0.597	0.584	0.010	-2.1	50.0
cis-1,2-Dichloroethene	0.316	0.296	0.010	-6.1	50.0
2-Butanone	0.028	0.027	0.010	-4.4	50.0
Bromochloromethane	0.090	0.081	0.010	-9.2	50.0
Chloroform	0.500	0.498	0.010	-0.4	50.0
1,1,1-Trichloroethane	0.625	0.585	0.010	-6.4	50.0
Cyclohexane	0.890	0.870	0.010	-2.2	50.0
Carbon tetrachloride	0.522	0.495	0.010	-5.1	50.0
Benzene	1.820	1.740	0.010	-4.4	50.0
1,2-Dichloroethane	0.206	0.187	0.010	-8.8	50.0
Trichloroethene	0.427	0.415	0.010	-2.7	50.0
Methylcyclohexane	0.679	0.679	0.010	-0.1	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 1811

Lab File ID: JAQ05VC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005DJ Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.373	0.359	0.010	-3.7	50.0
Bromodichloromethane	0.386	0.353	0.010	-8.5	50.0
cis-1,3-Dichloropropene	0.500	0.464	0.010	-7.1	50.0
4-Methyl-2-pentanone	0.096	0.089	0.010	-7.5	50.0
Toluene	1.916	1.806	0.010	-5.7	50.0
trans-1,3-Dichloropropene	0.343	0.314	0.010	-8.5	50.0
1,1,2-Trichloroethane	0.156	0.141	0.010	-9.7	50.0
Tetrachloroethene	0.340	0.334	0.010	-1.7	50.0
2-Hexanone	0.061	0.058	0.010	-4.9	50.0
Dibromochloromethane	0.182	0.161	0.010	-11.4	50.0
1,2-Dibromoethane	0.137	0.126	0.010	-8.2	50.0
Chlorobenzene	1.014	0.951	0.010	-6.2	50.0
Ethylbenzene	2.128	2.059	0.010	-3.2	50.0
o-Xylene	0.730	0.698	0.010	-4.3	50.0
m,p-Xylene	0.793	0.769	0.010	-3.0	50.0
Styrene	1.070	1.021	0.010	-4.6	50.0
Bromoform	0.191	0.158	0.010	-17.4	50.0
Isopropylbenzene	2.040	1.998	0.010	-2.0	50.0
1,1,2,2-Tetrachloroethane	0.147	0.135	0.010	-8.2	50.0
1,3-Dichlorobenzene	1.634	1.461	0.010	-10.6	50.0
1,4-Dichlorobenzene	1.560	1.407	0.010	-9.8	50.0
1,2-Dichlorobenzene	1.209	1.097	0.010	-9.3	50.0
1,2-Dibromo-3-chloropropane	0.050	0.036	0.010	-28.1	50.0
1,2,4-Trichlorobenzene	0.553	0.524	0.010	-5.2	50.0
1,2,3-Trichlorobenzene	0.369	0.354	0.010	-4.1	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/01/2010 Time: 1811

Lab File ID: JAQ05VC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005DJ Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

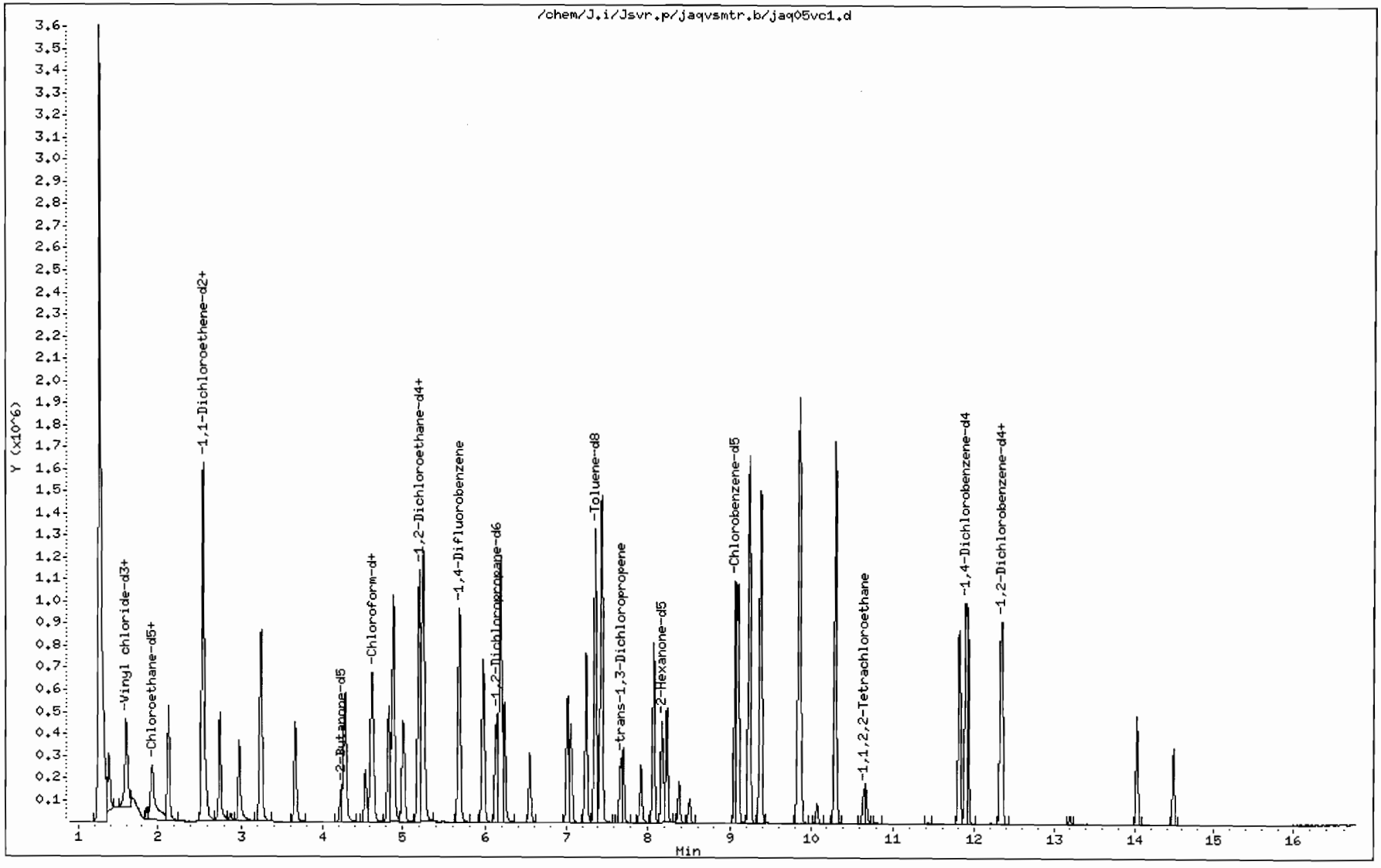
COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.411	0.431	0.010	4.9	50.0
Chloroethane-d5	0.310	0.325	0.010	4.7	50.0
1,1-Dichloroethene-d2	0.683	0.669	0.010	-2.1	50.0
2-Butanone-d5	0.027	0.024	0.010	-9.2	50.0
Chloroform-d	0.541	0.502	0.010	-7.2	50.0
1,2-Dichloroethane-d4	0.169	0.153	0.010	-9.7	50.0
Benzene-d6	1.760	1.636	0.010	-7.0	50.0
1,2-Dichloropropane-d6	0.499	0.415	0.010	-16.8	50.0
Toluene-d8	1.583	1.504	0.010	-5.0	50.0
trans-1,3-Dichloropropene-d4	0.312	0.279	0.010	-10.5	50.0
2-Hexanone-d5	0.033	0.028	0.010	-17.1	50.0
1,1,2,2-Tetrachloroethane-d2	0.151	0.138	0.010	-9.2	50.0
1,2-Dichlorobenzene-d4	0.764	0.686	0.010	-10.2	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaq05vc1.d
Date : 01-MAY-2010 18:11
Client ID: VSTD005DJ
Sample Info: JAQ05VC1
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaq05vc1.d
Lab Smp Id: VSTD005DJ Client Smp ID: VSTD005DJ
Inj Date : 01-MAY-2010 18:11
Operator : JP1 Inst ID: J.i
Smp Info : JAQ05VC1
Misc Info : VSTD005DJ,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4jaqCL.m
Meth Date : 11-May-2010 11:55 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	415498	5.00000	5.5
	2 Chloromethane	50	1.593	1.575	(0.281)	444608	5.00000	5.5
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	386268	5.00000	5.2
	4 Vinyl chloride	62	1.605	1.599	(0.283)	423238	5.00000	5.2
	5 Bromomethane	94	1.855	1.854	(0.327)	117821	5.00000	3.8(Q)
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	290595	5.00000	5.2
	7 Chloroethane	64	1.934	1.928	(0.341)	228531	5.00000	4.9
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	437040	5.00000	4.8
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	598561	5.00000	4.9
	10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	260889	5.00000	4.8
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	268841	5.00000	4.6
	12 Acetone	43	2.597	2.597	(0.458)	108883	50.0000	43
	13 Carbon disulfide	76	2.749	2.749	(0.484)	802474	5.00000	4.5
	14 Methyl acetate	43	2.883	2.883	(0.508)	44500	5.00000	4.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.980	2.980	(0.525)	209884	5.00000	4.7
	16 trans-1,2-Dichloroethene	96	3.236	3.235	(0.570)	281645	5.00000	4.8
	17 Methyl tert-butyl ether	73	3.229	3.229	(0.569)	303239	5.00000	4.3
	18 1,1-Dichloroethane	63	3.655	3.655	(0.644)	522781	5.00000	4.9
$	19 2-Butanone-d5	46	4.233	4.233	(0.746)	218544	50.0000	45
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	265206	5.00000	4.7
	21 2-Butanone	43	4.294	4.294	(0.757)	238082	50.0000	48
	22 Bromochloromethane	128	4.537	4.543	(0.800)	72750	5.00000	4.5
$	23 Chloroform-d	84	4.610	4.610	(0.812)	449215	5.00000	4.6
	24 Chloroform	83	4.629	4.629	(0.816)	446097	5.00000	5.0
	25 1,1,1-Trichloroethane	97	4.829	4.829	(0.534)	408909	5.00000	4.7
	26 Cyclohexane	56	4.884	4.884	(0.540)	608538	5.00000	4.9
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	346068	5.00000	4.7
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	136614	5.00000	4.5
$	29 Benzene-d6	84	5.201	5.200	(0.575)	1143630	5.00000	4.6
	30 Benzene	78	5.243	5.243	(0.579)	1216357	5.00000	4.8
	31 1,2-Dichloroethane	62	5.267	5.267	(0.928)	167799	5.00000	4.6
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	895349	5.00000	
	33 Trichloroethene	95	5.967	5.967	(0.659)	290217	5.00000	4.9
$	34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.677)	290422	5.00000	4.2
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	474533	5.00000	5.0
	36 1,2-Dichloropropane	63	6.223	6.223	(0.687)	251296	5.00000	4.8
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	247102	5.00000	4.6
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.780)	324527	5.00000	4.6
	39 4-Methyl-2-pentanone	43	7.245	7.251	(0.800)	623361	50.0000	46
$	40 Toluene-d8	98	7.360	7.360	(0.813)	1051386	5.00000	4.7
	41 Toluene	91	7.439	7.439	(0.822)	1262747	5.00000	4.7
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.676	(0.847)	195018	5.00000	4.5
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	219226	5.00000	4.6
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.875)	98580	5.00000	4.5
	45 Tetrachloroethene	164	8.072	8.072	(0.892)	233432	5.00000	4.9
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	192702	50.0000	41
	47 2-Hexanone	43	8.230	8.230	(0.909)	406511	50.0000	48
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	112412	5.00000	4.4
	49 1,2-Dibromoethane	107	8.504	8.504	(0.940)	87866	5.00000	4.6
*	50 Chlorobenzene-d5	117	9.051	9.057	(1.000)	699073	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.004)	664925	5.00000	4.7
	52 Ethylbenzene	91	9.228	9.228	(1.019)	1439184	5.00000	4.8
	53 m,p-Xylene	106	9.368	9.374	(1.035)	537784	5.00000	4.9
	54 Styrene	104	9.867	9.867	(1.090)	713460	5.00000	4.8
	55 o-Xylene	106	9.842	9.848	(1.087)	488201	5.00000	4.8
	56 Bromoform	173	10.080	10.079	(0.848)	47589	5.00000	4.1
	57 Isopropylbenzene	105	10.299	10.299	(1.138)	1397064	5.00000	4.9
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	96172	5.00000	4.5
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	94112	5.00000	4.6
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	441226	5.00000	4.5
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.892	(1.000)	302036	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.917	11.917	(1.003)	425077	5.00000	4.5
$ 63	1,2-Dichlorobenzene-d4	152	12.324	12.330	(1.037)	207290	5.00000	4.5
64	1,2-Dichlorobenzene	146	12.349	12.349	(1.039)	331244	5.00000	4.5
65	1,2-Dibromo-3-chloropropane	75	13.200	13.200	(1.111)	10755	5.00000	3.6
66	1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	158408	5.00000	4.7
67	1,2,3-Trichlorobenzene	180	14.484	14.490	(1.219)	106862	5.00000	4.8

QC Flag Legend

Q - Qualifier signal failed the ratio test.

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/03/2010 Time: 0846

Lab File ID: JAQ005WV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JE Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.425	0.479	0.010	12.6	40.0
Chloromethane	0.451	0.539	0.010	19.7	40.0
Vinyl chloride	0.454	0.499	0.100	9.8	30.0
Bromomethane	0.171	0.149	0.100	-12.8	30.0
Chloroethane	0.263	0.276	0.010	4.9	40.0
Trichlorofluoromethane	0.511	0.521	0.010	2.0	40.0
1,1-Dichloroethene	0.306	0.300	0.100	-1.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.323	0.324	0.010	0.3	40.0
Acetone	0.014	0.014	0.010	-4.4	40.0
Carbon disulfide	0.986	0.942	0.010	-4.5	40.0
Methyl acetate	0.053	0.053	0.010	1.2	40.0
Methylene chloride	0.250	0.242	0.010	-3.2	40.0
trans-1,2-Dichloroethene	0.326	0.324	0.010	-0.5	40.0
Methyl tert-butyl ether	0.397	0.351	0.010	-11.6	40.0
1,1-Dichloroethane	0.597	0.622	0.200	4.3	30.0
cis-1,2-Dichloroethene	0.316	0.308	0.010	-2.5	40.0
2-Butanone	0.028	0.029	0.010	4.2	40.0
Bromochloromethane	0.090	0.086	0.050	-4.2	30.0
Chloroform	0.500	0.522	0.200	4.3	30.0
1,1,1-Trichloroethane	0.625	0.629	0.100	0.8	30.0
Cyclohexane	0.890	0.917	0.010	3.1	40.0
Carbon tetrachloride	0.522	0.530	0.100	1.6	30.0
Benzene	1.820	1.834	0.400	0.8	30.0
1,2-Dichloroethane	0.206	0.200	0.100	-2.8	30.0
Trichloroethene	0.427	0.430	0.300	0.7	30.0
Methylcyclohexane	0.679	0.704	0.010	3.6	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/03/2010 Time: 0846

Lab File ID: JAQ005WV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JE Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.373	0.390	0.010	4.6	40.0
Bromodichloromethane	0.386	0.379	0.200	-1.9	30.0
cis-1,3-Dichloropropene	0.500	0.504	0.200	0.8	30.0
4-Methyl-2-pentanone	0.096	0.097	0.010	0.8	40.0
Toluene	1.916	1.936	0.400	1.1	30.0
trans-1,3-Dichloropropene	0.343	0.343	0.100	-0.1	30.0
1,1,2-Trichloroethane	0.156	0.150	0.100	-4.2	30.0
Tetrachloroethene	0.340	0.341	0.100	0.4	30.0
2-Hexanone	0.061	0.063	0.010	3.5	40.0
Dibromochloromethane	0.182	0.182	0.100	0.0	30.0
1,2-Dibromoethane	0.137	0.133	0.010	-2.7	30.0
Chlorobenzene	1.014	1.013	0.500	-0.1	30.0
Ethylbenzene	2.128	2.190	0.100	2.9	30.0
o-Xylene	0.730	0.732	0.300	0.3	30.0
m,p-Xylene	0.793	0.822	0.300	3.7	30.0
Styrene	1.070	1.099	0.300	2.7	30.0
Bromoform	0.191	0.183	0.050	-3.9	30.0
Isopropylbenzene	2.040	2.129	0.010	4.4	40.0
1,1,2,2-Tetrachloroethane	0.147	0.147	0.100	0.2	30.0
1,3-Dichlorobenzene	1.634	1.660	0.400	1.6	30.0
1,4-Dichlorobenzene	1.560	1.600	0.400	2.5	30.0
1,2-Dichlorobenzene	1.209	1.212	0.400	0.3	30.0
1,2-Dibromo-3-chloropropane	0.050	0.045	0.010	-9.0	40.0
1,2,4-Trichlorobenzene	0.553	0.613	0.200	10.9	30.0
1,2,3-Trichlorobenzene	0.369	0.426	0.200	15.5	30.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/03/2010 Time: 0846

Lab File ID: JAQ005WV Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005JE Init. Calib. Time(s): 1318 1505

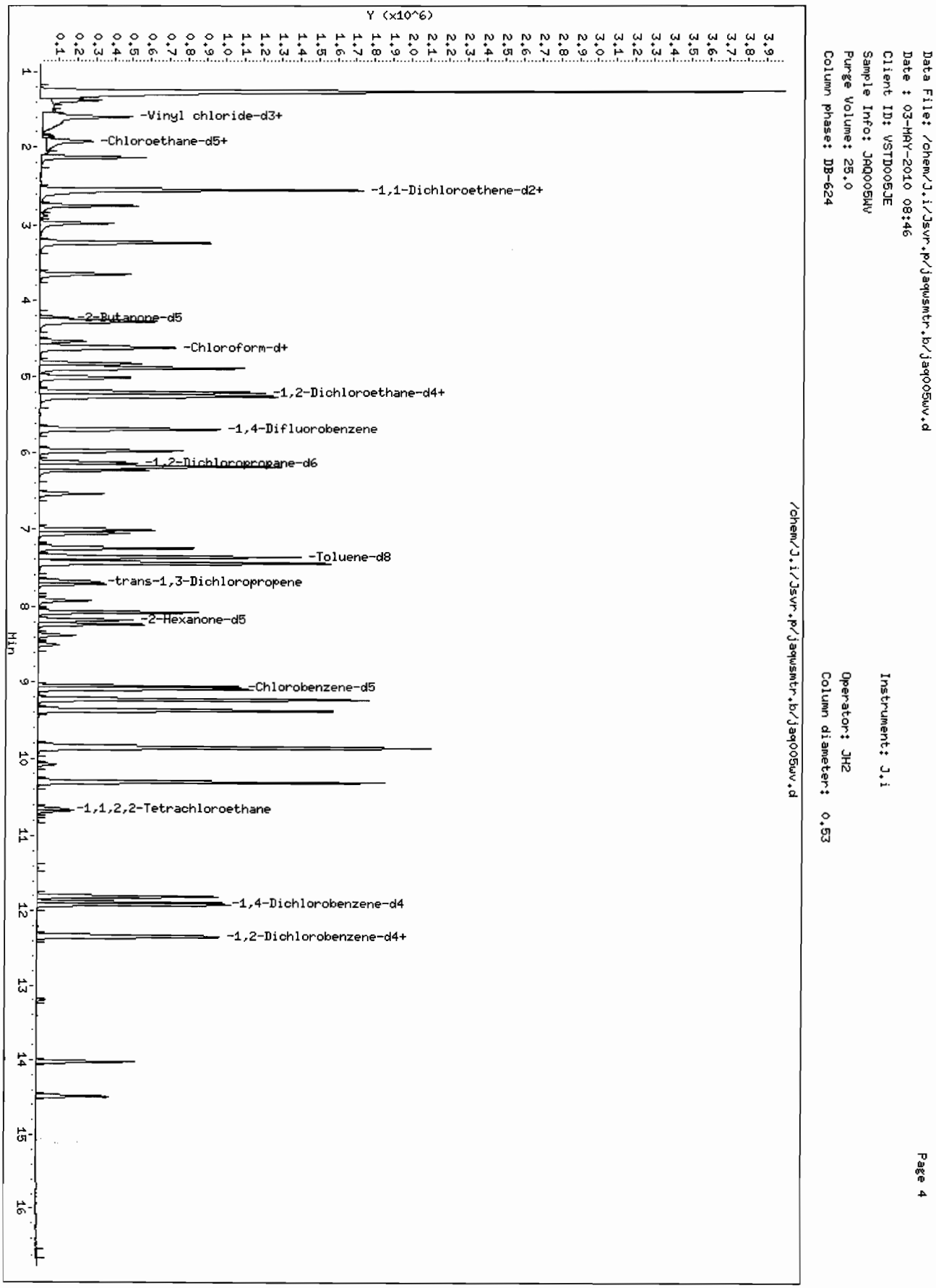
Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.411	0.447	0.010	8.8	30.0
Chloroethane-d5	0.310	0.346	0.010	11.5	40.0
1,1-Dichloroethene-d2	0.683	0.687	0.010	0.6	30.0
2-Butanone-d5	0.027	0.026	0.010	-3.4	40.0
Chloroform-d	0.541	0.522	0.010	-3.5	30.0
1,2-Dichloroethane-d4	0.169	0.164	0.010	-2.8	30.0
Benzene-d6	1.760	1.734	0.400	-1.5	30.0
1,2-Dichloropropane-d6	0.499	0.498	0.010	-0.2	40.0
Toluene-d8	1.583	1.584	0.010	0.0	30.0
trans-1,3-Dichloropropene-d4	0.312	0.301	0.010	-3.5	30.0
2-Hexanone-d5	0.033	0.030	0.010	-8.6	40.0
1,1,2,2-Tetrachloroethane-d2	0.151	0.148	0.010	-2.2	30.0
1,2-Dichlorobenzene-d4	0.764	0.762	0.010	-0.3	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2


Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaq005uv.d
Date : 03-MAY-2010 08:46
Client ID: WSTD005JE
Sample Info: JAQ005UV
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JH2
Column diameter: 0.53
Page 4
/chem/J.i/Jsvr.p/jaqusmtr.b/jaq005uv.d
Y (x10^6)
Min
-Vinyl chloride-d3+
-Chloroethane-d5+
-1,1-Dichloroethene-d2+
-2-Butanone-d5
-Chloroform-d+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4+

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqwsmtr.b/jaq005wv.d
Lab Smp Id: VSTD005JE Client Smp ID: VSTD005JE
Inj Date : 03-MAY-2010 08:46
Operator : JH2 Inst ID: J.i
Smp Info : JAQ005WV
Misc Info : VSTD005JE,050310JE,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqwsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:58 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 2 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	437252	5.00000	5.6
	2 Chloromethane	50	1.587	1.587	(0.280)	492743	5.00000	6.0
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	408765	5.00000	5.4
	4 Vinyl chloride	62	1.605	1.605	(0.283)	456125	5.00000	5.5
	5 Bromomethane	94	1.855	1.855	(0.327)	136357	5.00000	4.4
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	316038	5.00000	5.6
	7 Chloroethane	64	1.934	1.934	(0.341)	251819	5.00000	5.2
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	476407	5.00000	5.1
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	627610	5.00000	5.0
	10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	274546	5.00000	4.9
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	296316	5.00000	5.0
	12 Acetone	43	2.597	2.597	(0.458)	124117	50.0000	48
	13 Carbon disulfide	76	2.749	2.749	(0.484)	860384	5.00000	4.8
	14 Methyl acetate	43	2.883	2.883	(0.508)	48601	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.980	2.980	(0.525)	221430	5.00000	4.8
	16 trans-1,2-Dichloroethene	96	3.236	3.236	(0.570)	296034	5.00000	5.0
	17 Methyl tert-butyl ether	73	3.230	3.230	(0.569)	320436	5.00000	4.4
	18 1,1-Dichloroethane	63	3.655	3.655	(0.644)	568665	5.00000	5.2
$	19 2-Butanone-d5	46	4.233	4.233	(0.746)	237402	50.0000	48
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	281116	5.00000	4.9
	21 2-Butanone	43	4.300	4.300	(0.758)	264798	50.0000	52
	22 Bromochloromethane	128	4.537	4.537	(0.800)	78393	5.00000	4.8
$	23 Chloroform-d	84	4.610	4.610	(0.812)	476542	5.00000	4.8
	24 Chloroform	83	4.629	4.629	(0.816)	476995	5.00000	5.2
	25 1,1,1-Trichloroethane	97	4.830	4.830	(0.533)	440717	5.00000	5.0
	26 Cyclohexane	56	4.884	4.884	(0.539)	642036	5.00000	5.2
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	371040	5.00000	5.1
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	150111	5.00000	4.9
$	29 Benzene-d6	84	5.201	5.201	(0.574)	1213868	5.00000	4.9
	30 Benzene	78	5.243	5.243	(0.579)	1284359	5.00000	5.0
	31 1,2-Dichloroethane	62	5.268	5.268	(0.928)	182486	5.00000	4.9
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	913728	5.00000	
	33 Trichloroethene	95	5.967	5.967	(0.659)	300922	5.00000	5.0
$	34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.676)	348627	5.00000	5.0
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	492936	5.00000	5.2
	36 1,2-Dichloropropane	63	6.223	6.223	(0.687)	273332	5.00000	5.2
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	265246	5.00000	4.9
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.779)	352622	5.00000	5.0
	39 4-Methyl-2-pentanone	43	7.245	7.245	(0.800)	680623	50.0000	50
$	40 Toluene-d8	98	7.360	7.360	(0.813)	1108974	5.00000	5.0
	41 Toluene	91	7.439	7.439	(0.821)	1355530	5.00000	5.1
$	42 trans-1,3-Dichloropropene-d4	79	7.677	7.677	(0.848)	210454	5.00000	4.8
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	239828	5.00000	5.0
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.874)	104759	5.00000	4.8
	45 Tetrachloroethene	164	8.072	8.072	(0.891)	238845	5.00000	5.0
$	46 2-Hexanone-d5	63	8.169	8.169	(0.902)	212932	50.0000	46
	47 2-Hexanone	43	8.230	8.230	(0.909)	442983	50.0000	52
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	127110	5.00000	5.0
	49 1,2-Dibromoethane	107	8.504	8.504	(0.939)	93329	5.00000	4.9
*	50 Chlorobenzene-d5	117	9.058	9.058	(1.000)	700117	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.003)	708882	5.00000	5.0
	52 Ethylbenzene	91	9.228	9.228	(1.019)	1533214	5.00000	5.1
	53 m,p-Xylene	106	9.374	9.374	(1.035)	575622	5.00000	5.2
	54 Styrene	104	9.867	9.867	(1.089)	769166	5.00000	5.1
	55 o-Xylene	106	9.848	9.848	(1.087)	512312	5.00000	5.0
	56 Bromoform	173	10.080	10.080	(0.848)	53355	5.00000	4.8
	57 Isopropylbenzene	105	10.299	10.299	(1.137)	1490597	5.00000	5.2
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.175)	103692	5.00000	4.9
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	102864	5.00000	5.0
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	482993	5.00000	5.1
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	290996	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.917	11.917	(1.003)	465648	5.00000	5.1
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	221659	5.00000	5.0
64 1,2-Dichlorobenzene	146	12.349	12.349	(1.039)	352820	5.00000	5.0
65 1,2-Dibromo-3-chloropropane	75	13.200	13.200	(1.111)	13113	5.00000	4.5
66 1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	178427	5.00000	5.5
67 1,2,3-Trichlorobenzene	180	14.484	14.484	(1.219)	124088	5.00000	5.8

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/03/2010 Time: 1658

Lab File ID: JAQ05WC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005EJ Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.425	0.477	0.010	12.3	50.0
Chloromethane	0.451	0.525	0.010	16.6	50.0
Vinyl chloride	0.454	0.492	0.010	8.3	50.0
Bromomethane	0.171	0.143	0.010	-16.6	50.0
Chloroethane	0.263	0.273	0.010	4.0	50.0
Trichlorofluoromethane	0.511	0.504	0.010	-1.3	50.0
1,1-Dichloroethene	0.306	0.281	0.010	-8.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.323	0.311	0.010	-3.8	50.0
Acetone	0.014	0.013	0.010	-8.6	50.0
Carbon disulfide	0.986	0.910	0.010	-7.8	50.0
Methyl acetate	0.053	0.048	0.010	-8.4	50.0
Methylene chloride	0.250	0.242	0.010	-3.3	50.0
trans-1,2-Dichloroethene	0.326	0.324	0.010	-0.6	50.0
Methyl tert-butyl ether	0.397	0.354	0.010	-10.7	50.0
1,1-Dichloroethane	0.597	0.616	0.010	3.3	50.0
cis-1,2-Dichloroethene	0.316	0.318	0.010	0.8	50.0
2-Butanone	0.028	0.028	0.010	1.4	50.0
Bromochloromethane	0.090	0.086	0.010	-3.6	50.0
Chloroform	0.500	0.510	0.010	2.0	50.0
1,1,1-Trichloroethane	0.625	0.624	0.010	-0.1	50.0
Cyclohexane	0.890	0.925	0.010	3.9	50.0
Carbon tetrachloride	0.522	0.540	0.010	3.5	50.0
Benzene	1.820	1.834	0.010	0.8	50.0
1,2-Dichloroethane	0.206	0.196	0.010	-4.6	50.0
Trichloroethene	0.427	0.441	0.010	3.2	50.0
Methylcyclohexane	0.679	0.702	0.010	3.3	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/03/2010 Time: 1658

Lab File ID: JAQ05WC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005EJ Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.373	0.379	0.010	1.5	50.0
Bromodichloromethane	0.386	0.376	0.010	-2.6	50.0
cis-1,3-Dichloropropene	0.500	0.494	0.010	-1.1	50.0
4-Methyl-2-pentanone	0.096	0.097	0.010	0.4	50.0
Toluene	1.916	1.946	0.010	1.6	50.0
trans-1,3-Dichloropropene	0.343	0.345	0.010	0.7	50.0
1,1,2-Trichloroethane	0.156	0.153	0.010	-2.0	50.0
Tetrachloroethene	0.340	0.347	0.010	2.0	50.0
2-Hexanone	0.061	0.063	0.010	2.5	50.0
Dibromochloromethane	0.182	0.185	0.010	1.7	50.0
1,2-Dibromoethane	0.137	0.128	0.010	-6.6	50.0
Chlorobenzene	1.014	1.024	0.010	1.1	50.0
Ethylbenzene	2.128	2.199	0.010	3.4	50.0
o-Xylene	0.730	0.727	0.010	-0.4	50.0
m,p-Xylene	0.793	0.841	0.010	6.1	50.0
Styrene	1.070	1.078	0.010	0.8	50.0
Bromoform	0.191	0.185	0.010	-3.0	50.0
Isopropylbenzene	2.040	2.135	0.010	4.7	50.0
1,1,2,2-Tetrachloroethane	0.147	0.145	0.010	-0.9	50.0
1,3-Dichlorobenzene	1.634	1.614	0.010	-1.2	50.0
1,4-Dichlorobenzene	1.560	1.551	0.010	-0.6	50.0
1,2-Dichlorobenzene	1.209	1.178	0.010	-2.5	50.0
1,2-Dibromo-3-chloropropane	0.050	0.042	0.010	-15.7	50.0
1,2,4-Trichlorobenzene	0.553	0.583	0.010	5.5	50.0
1,2,3-Trichlorobenzene	0.369	0.411	0.010	11.3	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Instrument ID: J.i Calibration Date: 05/03/2010 Time: 1658

Lab File ID: JAQ05WC1 Init. Calib. Date(s): 04/05/2010 04/05/2010

EPA Sample No.(VSTD#####): VSTD005EJ Init. Calib. Time(s): 1318 1505

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.411	0.436	0.010	6.0	50.0
Chloroethane-d5	0.310	0.342	0.010	10.1	50.0
1,1-Dichloroethene-d2	0.683	0.661	0.010	-3.3	50.0
2-Butanone-d5	0.027	0.026	0.010	-4.2	50.0
Chloroform-d	0.541	0.523	0.010	-3.2	50.0
1,2-Dichloroethane-d4	0.169	0.160	0.010	-5.4	50.0
Benzene-d6	1.760	1.750	0.010	-0.5	50.0
1,2-Dichloropropane-d6	0.499	0.496	0.010	-0.5	50.0
Toluene-d8	1.583	1.604	0.010	1.3	50.0
trans-1,3-Dichloropropene-d4	0.312	0.300	0.010	-3.7	50.0
2-Hexanone-d5	0.033	0.030	0.010	-9.5	50.0
1,1,2,2-Tetrachloroethane-d2	0.151	0.150	0.010	-1.3	50.0
1,2-Dichlorobenzene-d4	0.764	0.754	0.010	-1.4	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/jaq05wc1.d
Date : 03-MAY-2010 16:58
Client ID: VSTD005EJ
Sample Info: JAQ05WC1
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 4
/chem/J.i/Jsvr.p/jaqwsmtr.b/jaq05wc1.d
Y (x10^6)
Min
-Vinyl chloride-d3+
-Chloroethane-d5+
-1,1-Dichloroethene-d2+
-2-Butanone-d5
-Chloroform-d+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4+

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqwsmtr.b/jaq05wc1.d
Lab Smp Id: VSTD005EJ Client Smp ID: VSTD005EJ
Inj Date : 03-MAY-2010 16:58
Operator : JP1 Inst ID: J.i
Smp Info : JAQ05WC1
Misc Info : VSTD005EJ,050310JE,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqwsmtr.b/somtr4jaqCL.m
Meth Date : 11-May-2010 12:02 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.380	1.380	(0.243)	442254	5.00000	5.6
	2 Chloromethane	50	1.593	1.575	(0.281)	486819	5.00000	5.8
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	404100	5.00000	5.3
	4 Vinyl chloride	62	1.605	1.599	(0.283)	456199	5.00000	5.4
	5 Bromomethane	94	1.854	1.854	(0.327)	132303	5.00000	4.2(Q)
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	316571	5.00000	5.5
	7 Chloroethane	64	1.934	1.928	(0.341)	253288	5.00000	5.2
	8 Trichlorofluoromethane	101	2.128	2.128	(0.375)	467627	5.00000	4.9
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	612268	5.00000	4.8
	10 1,1-Dichloroethene	96	2.554	2.554	(0.450)	260324	5.00000	4.6
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.548	2.548	(0.449)	288349	5.00000	4.8
	12 Acetone	43	2.597	2.597	(0.458)	120395	50.0000	46
	13 Carbon disulfide	76	2.749	2.749	(0.484)	843547	5.00000	4.6
	14 Methyl acetate	43	2.883	2.883	(0.508)	44628	5.00000	4.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.980	2.980	(0.525)	224442	5.00000	4.8
	16 trans-1,2-Dichloroethene	96	3.235	3.235	(0.570)	299998	5.00000	5.0
	17 Methyl tert-butyl ether	73	3.229	3.229	(0.569)	328324	5.00000	4.5
	18 1,1-Dichloroethane	63	3.655	3.655	(0.644)	570969	5.00000	5.2
$	19 2-Butanone-d5	46	4.233	4.233	(0.746)	238761	50.0000	48
	20 cis-1,2-Dichloroethene	96	4.276	4.276	(0.753)	294769	5.00000	5.0
	21 2-Butanone	43	4.294	4.294	(0.757)	261352	50.0000	51
	22 Bromochloromethane	128	4.537	4.543	(0.800)	79967	5.00000	4.8
$	23 Chloroform-d	84	4.610	4.610	(0.812)	485189	5.00000	4.8
	24 Chloroform	83	4.629	4.629	(0.816)	473172	5.00000	5.1
	25 1,1,1-Trichloroethane	97	4.829	4.829	(0.534)	436664	5.00000	5.0
	26 Cyclohexane	56	4.884	4.884	(0.540)	647211	5.00000	5.2
	27 Carbon tetrachloride	117	5.006	5.006	(0.553)	377894	5.00000	5.2
$	28 1,2-Dichloroethane-d4	65	5.182	5.182	(0.913)	148109	5.00000	4.7
$	29 Benzene-d6	84	5.200	5.200	(0.575)	1225273	5.00000	5.0
	30 Benzene	78	5.243	5.243	(0.579)	1283415	5.00000	5.0
	31 1,2-Dichloroethane	62	5.267	5.267	(0.928)	181726	5.00000	4.8
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	926960	5.00000	
	33 Trichloroethene	95	5.967	5.967	(0.659)	308345	5.00000	5.2
$	34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.677)	347411	5.00000	5.0
	35 Methylcyclohexane	55	6.174	6.174	(0.682)	491533	5.00000	5.2
	36 1,2-Dichloropropane	63	6.222	6.223	(0.687)	265294	5.00000	5.1
	37 Bromodichloromethane	83	6.539	6.539	(0.722)	263378	5.00000	4.9
	38 cis-1,3-Dichloropropene	75	7.056	7.056	(0.780)	346111	5.00000	4.9
	39 4-Methyl-2-pentanone	43	7.245	7.251	(0.800)	677994	50.0000	50
$	40 Toluene-d8	98	7.360	7.360	(0.813)	1122525	5.00000	5.1
	41 Toluene	91	7.439	7.439	(0.822)	1362064	5.00000	5.1
$	42 trans-1,3-Dichloropropene-d4	79	7.676	7.676	(0.848)	209999	5.00000	4.8
	43 trans-1,3-Dichloropropene	75	7.707	7.707	(0.851)	241608	5.00000	5.0
	44 1,1,2-Trichloroethane	97	7.920	7.920	(0.875)	107128	5.00000	4.9
	45 Tetrachloroethene	164	8.072	8.072	(0.892)	242572	5.00000	5.1
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	210686	50.0000	45
	47 2-Hexanone	43	8.230	8.230	(0.909)	438426	50.0000	51
	48 Dibromochloromethane	129	8.376	8.376	(0.925)	129207	5.00000	5.1
	49 1,2-Dibromoethane	107	8.504	8.504	(0.940)	89520	5.00000	4.7
*	50 Chlorobenzene-d5	117	9.051	9.057	(1.000)	699963	5.00000	
	51 Chlorobenzene	112	9.088	9.088	(1.004)	716955	5.00000	5.1
	52 Ethylbenzene	91	9.228	9.228	(1.019)	1539234	5.00000	5.2
	53 m,p-Xylene	106	9.374	9.374	(1.036)	588958	5.00000	5.3
	54 Styrene	104	9.867	9.867	(1.090)	754280	5.00000	5.0
	55 o-Xylene	106	9.848	9.848	(1.088)	508788	5.00000	5.0
	56 Bromoform	173	10.079	10.079	(0.848)	54607	5.00000	4.8
	57 Isopropylbenzene	105	10.298	10.299	(1.138)	1494469	5.00000	5.2
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	104666	5.00000	4.9
	59 1,1,2,2-Tetrachloroethane	83	10.676	10.676	(1.179)	101728	5.00000	5.0
	60 1,3-Dichlorobenzene	146	11.807	11.807	(0.993)	476443	5.00000	4.9
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.892	(1.000)	295165	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.917	11.917	(1.003)	457749	5.00000	5.0
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.330	(1.037)	222422	5.00000	4.9
64 1,2-Dichlorobenzene	146	12.349	12.349	(1.039)	347712	5.00000	4.9
65 1,2-Dibromo-3-chloropropane	75	13.200	13.200	(1.111)	12319	5.00000	4.2
66 1,2,4-Trichlorobenzene	180	14.028	14.028	(1.180)	172190	5.00000	5.3
67 1,2,3-Trichlorobenzene	180	14.484	14.490	(1.219)	121195	5.00000	5.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.



Raw QC Data – SOM01.2 Volatiles – Trace

Data File: /chem/J.i/Jsvr.p/jaqsmtr.b/jaq01pv.d

Date : 05-APR-2010 12:23

Client ID: BFBJG

Instrument: J.i

Sample Info: JAQ01PV

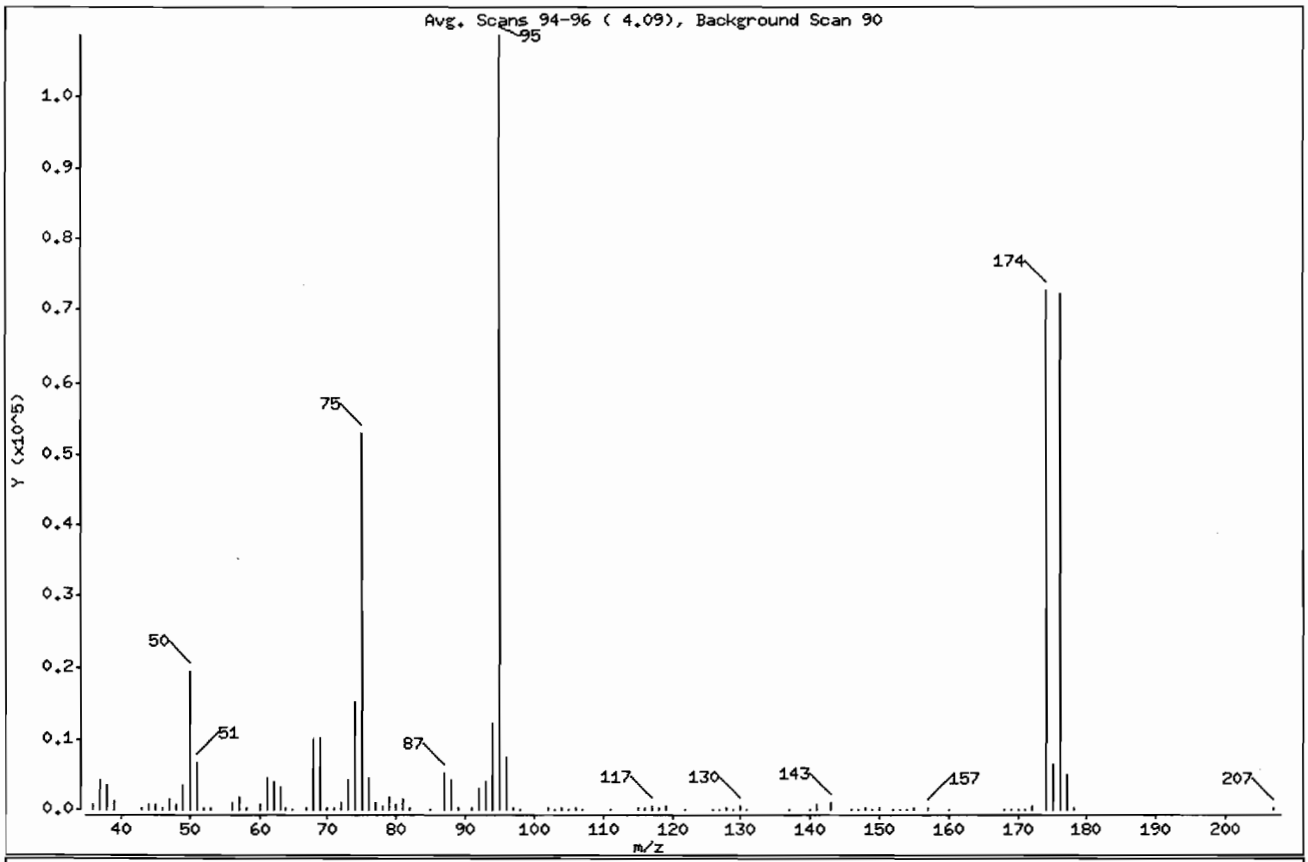
Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.98
75	30.00 - 80.00% of mass 95	48.73
96	5.00 - 9.00% of mass 95	6.98
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	66.85
175	5.00 - 9.00% of mass 174	5.96 (8.91)
176	95.00 - 101.00% of mass 174	66.35 (99.25)
177	5.00 - 9.00% of mass 176	4.49 (6.77)

Data File: /chem/J.i/Jsvr.p/jaqsmtr.b/jaq01pv.d

Date : 05-APR-2010 12:23

Client ID: BFBJG Instrument: J.i

Sample Info: JAQ01PV

Volume Injected (uL): 2.0 Operator: JH2

Column phase: DB-624 Column diameter: 0.53

Data File: jaq01pv.d

Spectrum: Avg. Scans 94-96 (4.09), Background Scan 90

Location of Maximum: 95.00

Number of points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	798	68.00	9920	97.00	310	146.00	72
37.00	4326	69.00	10267	98.00	53	147.00	70
38.00	3418	70.00	311	102.00	127	148.00	287
39.00	1269	71.00	137	103.00	62	149.00	53
43.00	141	72.00	923	104.00	289	150.00	184
44.00	757	73.00	4288	105.00	62	152.00	54
45.00	724	74.00	15193	106.00	348	153.00	59
46.00	148	75.00	52888	107.00	57	154.00	53
47.00	1513	76.00	4391	111.00	66	155.00	196
48.00	687	77.00	901	115.00	182	157.00	373
49.00	3511	78.00	586	116.00	367	160.00	61
50.00	19520	79.00	1654	117.00	445	168.00	56
51.00	6683	80.00	644	118.00	302	169.00	97
52.00	282	81.00	1579	119.00	410	170.00	50
53.00	178	82.00	352	122.00	51	171.00	95
56.00	1017	85.00	58	126.00	57	172.00	536
57.00	1850	87.00	5194	127.00	114	174.00	72560
58.00	224	88.00	4317	128.00	142	175.00	6465
60.00	808	89.00	147	129.00	63	176.00	72016
61.00	4455	91.00	372	130.00	479	177.00	4874
62.00	4033	92.00	2915	131.00	62	178.00	145
63.00	3340	93.00	4107	137.00	88	207.00	166
64.00	209	94.00	12215	140.00	57		
65.00	78	95.00	108536	141.00	750		
67.00	342	96.00	7572	143.00	900		

Data File: /chem/J.i/Jsvr.p/jaqsmtr.b/jaq01pv.d

Date : 05-APR-2010 12:23

Client ID: BFBJG

Instrument: J.i

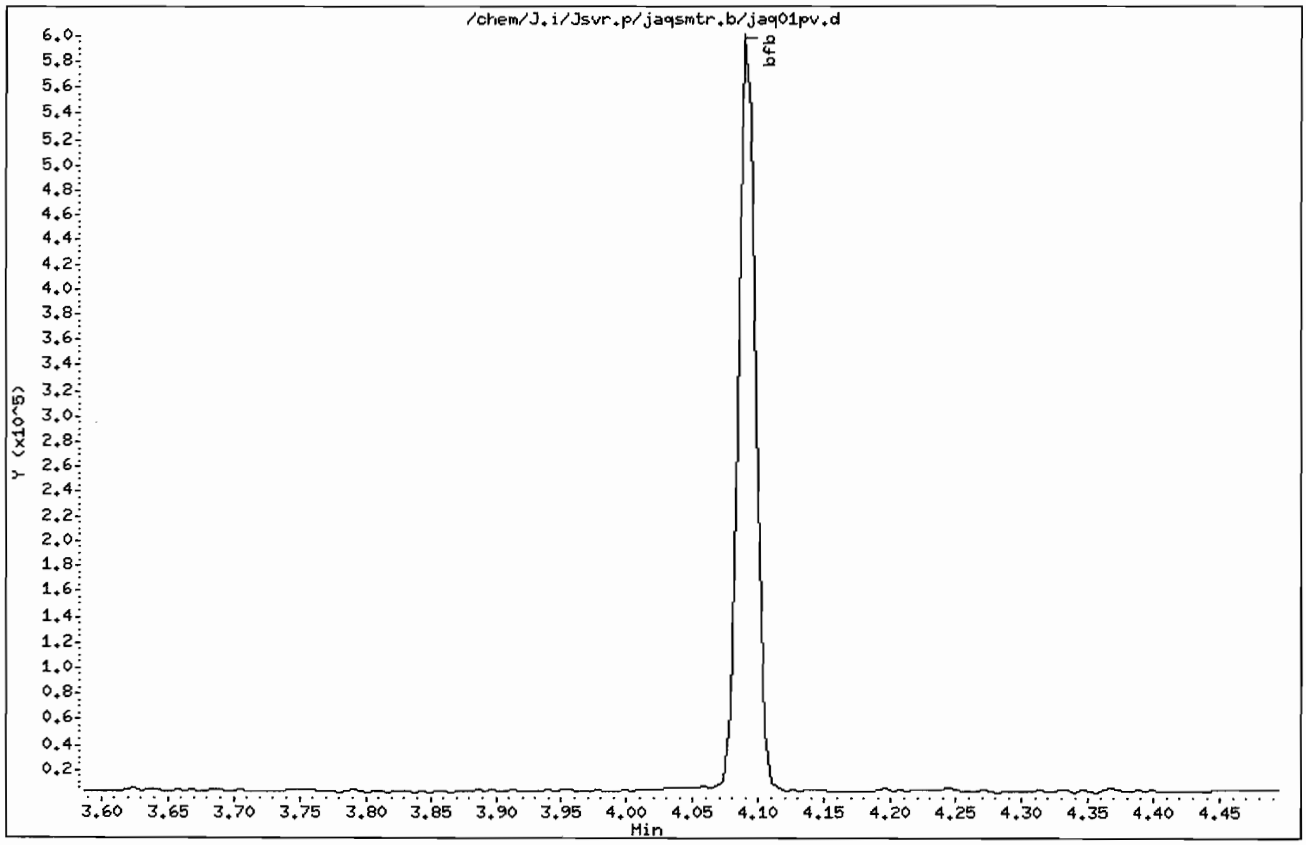
Sample Info: JAQ01PV

Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaq35pv.d

Date : 30-APR-2010 16:26

Client ID: BFBJC

Instrument: J.i

Sample Info: JAQ35PV

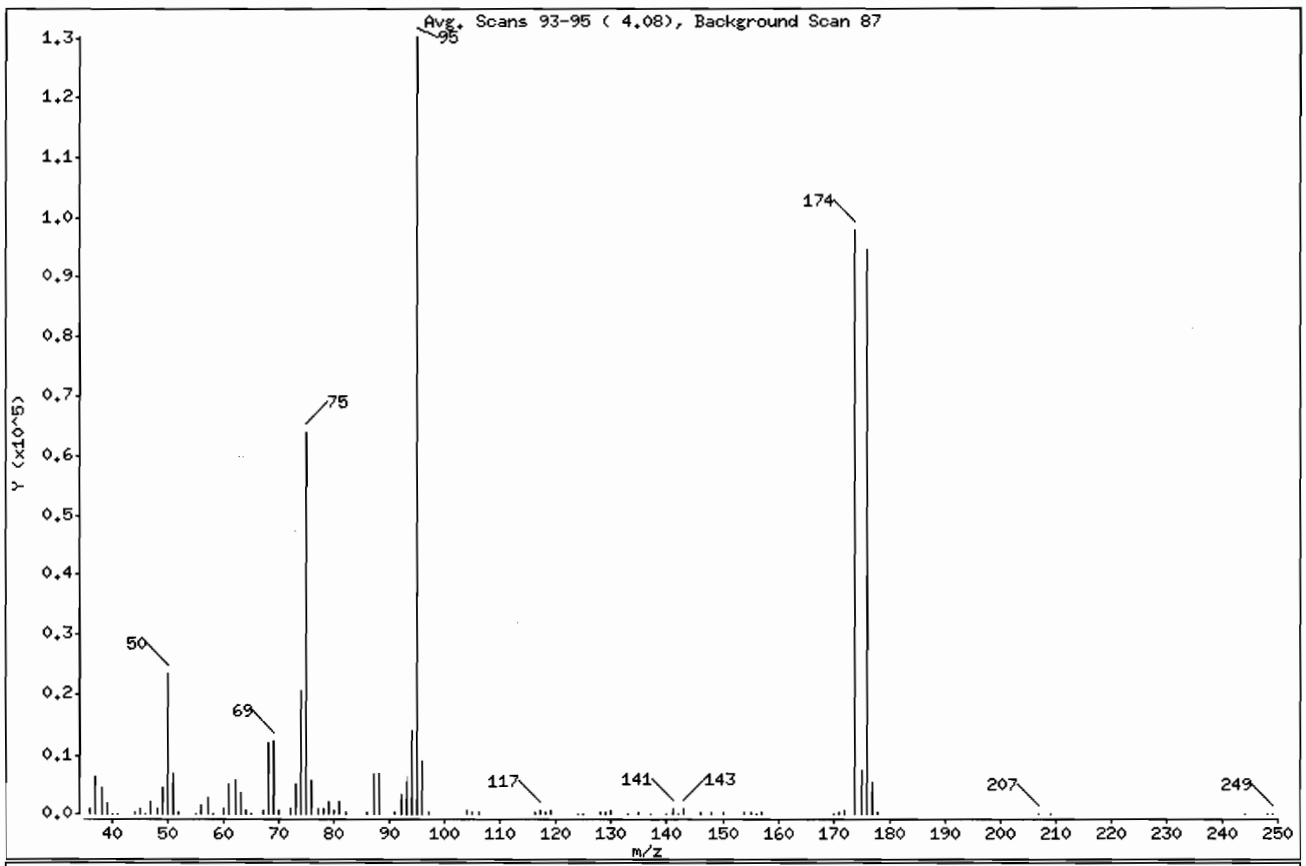
Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.02
75	30.00 - 80.00% of mass 95	49.09
96	5.00 - 9.00% of mass 95	6.94
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	75.12
175	5.00 - 9.00% of mass 174	5.79 (7.71)
176	95.00 - 101.00% of mass 174	72.56 (96.58)
177	5.00 - 9.00% of mass 176	4.19 (5.77)

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaq35pv.d

Date : 30-APR-2010 16:26

Client ID: BFBJC Instrument: J.i

Sample Info: JAQ35PV

Volume Injected (uL): 2.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Data File: jaq35pv.d
Spectrum: Avg. Scans 93-95 (4.08), Background Scan 87
Location of Maximum: 95.00
Number of points: 89

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	773	64.00	516	94.00	14106	146.00	212
37.00	6143	65.00	78	95.00	130152	148.00	302
38.00	4569	67.00	521	96.00	9028	150.00	194
39.00	1729	68.00	11898	97.00	297	154.00	194
40.00	116	69.00	12189	104.00	527	155.00	309
41.00	65	70.00	722	105.00	241	156.00	92
44.00	355	72.00	760	106.00	375	157.00	205
45.00	896	73.00	5225	116.00	343	170.00	128
46.00	89	74.00	20520	117.00	519	171.00	268
47.00	2049	75.00	63888	118.00	448	172.00	463
48.00	1044	76.00	5816	119.00	479	174.00	97768
49.00	4518	77.00	780	124.00	70	175.00	7539
50.00	23456	78.00	763	125.00	76	176.00	94432
51.00	6855	79.00	2026	128.00	383	177.00	5448
52.00	295	80.00	513	129.00	151	178.00	211
55.00	50	81.00	2200	130.00	495	207.00	92
56.00	1528	82.00	436	133.00	52	209.00	50
57.00	2649	86.00	300	135.00	200	244.00	61
58.00	85	87.00	6710	137.00	93	248.00	50
60.00	1047	88.00	6745	140.00	124	249.00	69
61.00	5094	91.00	446	141.00	837		
62.00	5612	92.00	3244	142.00	132		
63.00	3728	93.00	5395	143.00	873		

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaq35pv.d

Date : 30-APR-2010 16:26

Client ID: BFBJC

Instrument: J.i

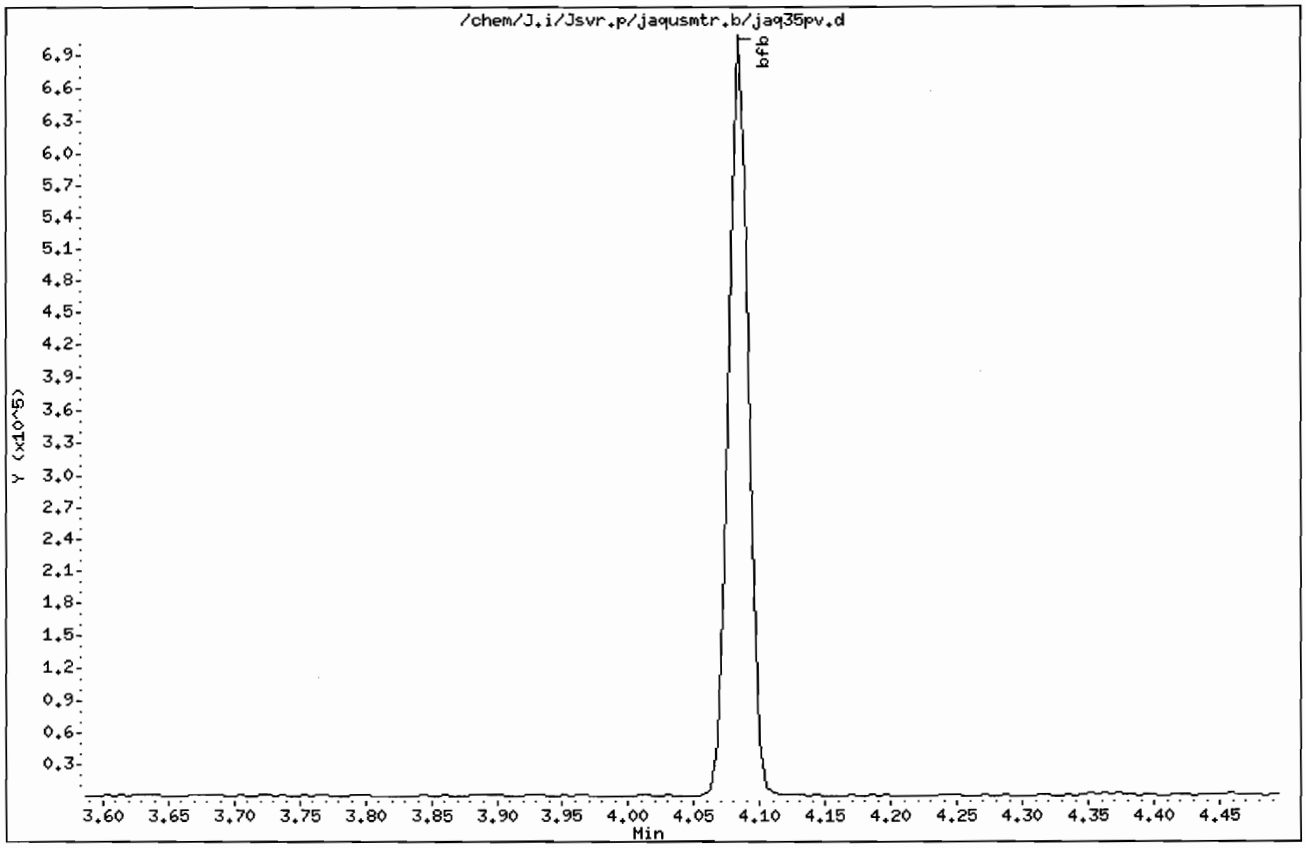
Sample Info: JAQ35PV

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaq37pv.d

Date : 01-MAY-2010 09:49

Client ID: BFBJD

Instrument: J.i

Sample Info: JAQ37PV

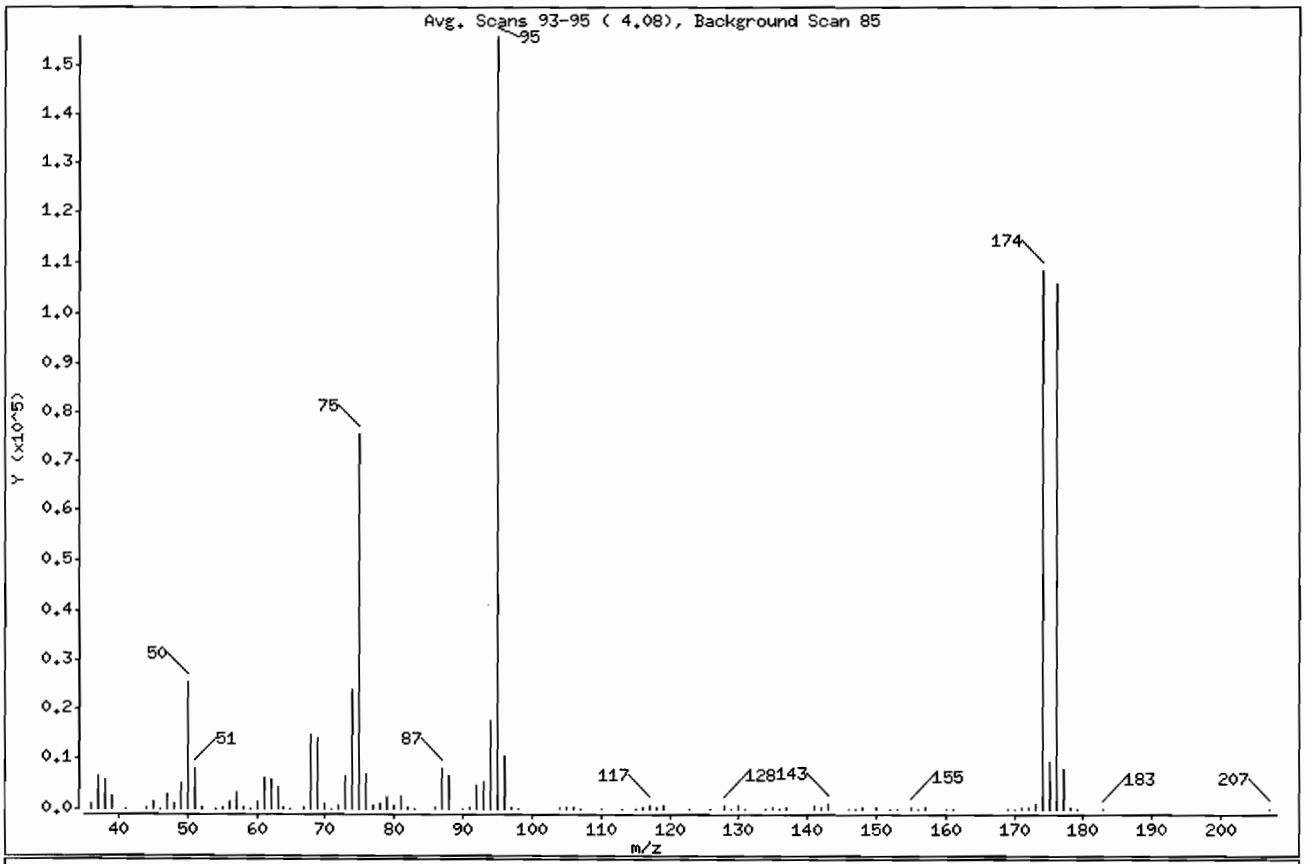
Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.39
75	30.00 - 80.00% of mass 95	48.29
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.62 (0.89)
174	50.00 - 120.00% of mass 95	69.54
175	5.00 - 9.00% of mass 174	5.98 (8.60)
176	95.00 - 101.00% of mass 174	67.87 (97.60)
177	5.00 - 9.00% of mass 176	4.97 (7.32)

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaq37pv.d

Date : 01-MAY-2010 09:49

Client ID: BFBJD

Instrument: J.i

Sample Info: JAQ37PV

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: jaq37pv.d
Spectrum: Avg. Scans 93-95 (4.08), Background Scan 85
Location of Maximum: 95.00
Number of points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1116	67.00	240	96.00	10496	143.00	934
37.00	6501	68.00	14593	97.00	226	146.00	28
38.00	5765	69.00	13875	98.00	75	147.00	62
39.00	2445	70.00	1151	104.00	452	148.00	261
41.00	59	71.00	124	105.00	279	150.00	221
44.00	278	72.00	807	106.00	401	152.00	50
45.00	1413	73.00	6482	107.00	61	153.00	88
46.00	50	74.00	23824	110.00	141	155.00	378
47.00	2853	75.00	75224	113.00	124	156.00	63
48.00	992	76.00	6630	115.00	80	157.00	189
49.00	4908	77.00	886	116.00	297	160.00	90
50.00	25520	78.00	1090	117.00	721	161.00	52
51.00	7947	79.00	2228	118.00	495	169.00	69
52.00	390	80.00	885	119.00	601	170.00	168
54.00	53	81.00	2463	123.00	53	171.00	250
55.00	243	82.00	426	126.00	97	172.00	443
56.00	1559	83.00	80	128.00	628	173.00	966
57.00	3246	86.00	312	129.00	128	174.00	108320
58.00	313	87.00	7867	130.00	586	175.00	9314
59.00	104	88.00	6480	131.00	100	176.00	105720
60.00	1386	90.00	60	134.00	78	177.00	7736
61.00	6034	91.00	490	135.00	199	178.00	287
62.00	5806	92.00	4540	136.00	56	179.00	53
63.00	4283	93.00	5230	137.00	207	183.00	72
64.00	426	94.00	17688	141.00	877	207.00	54
65.00	155	95.00	155776	142.00	185		

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaq37pv.d

Date : 01-MAY-2010 09:49

Client ID: BFBJD

Instrument: J.i

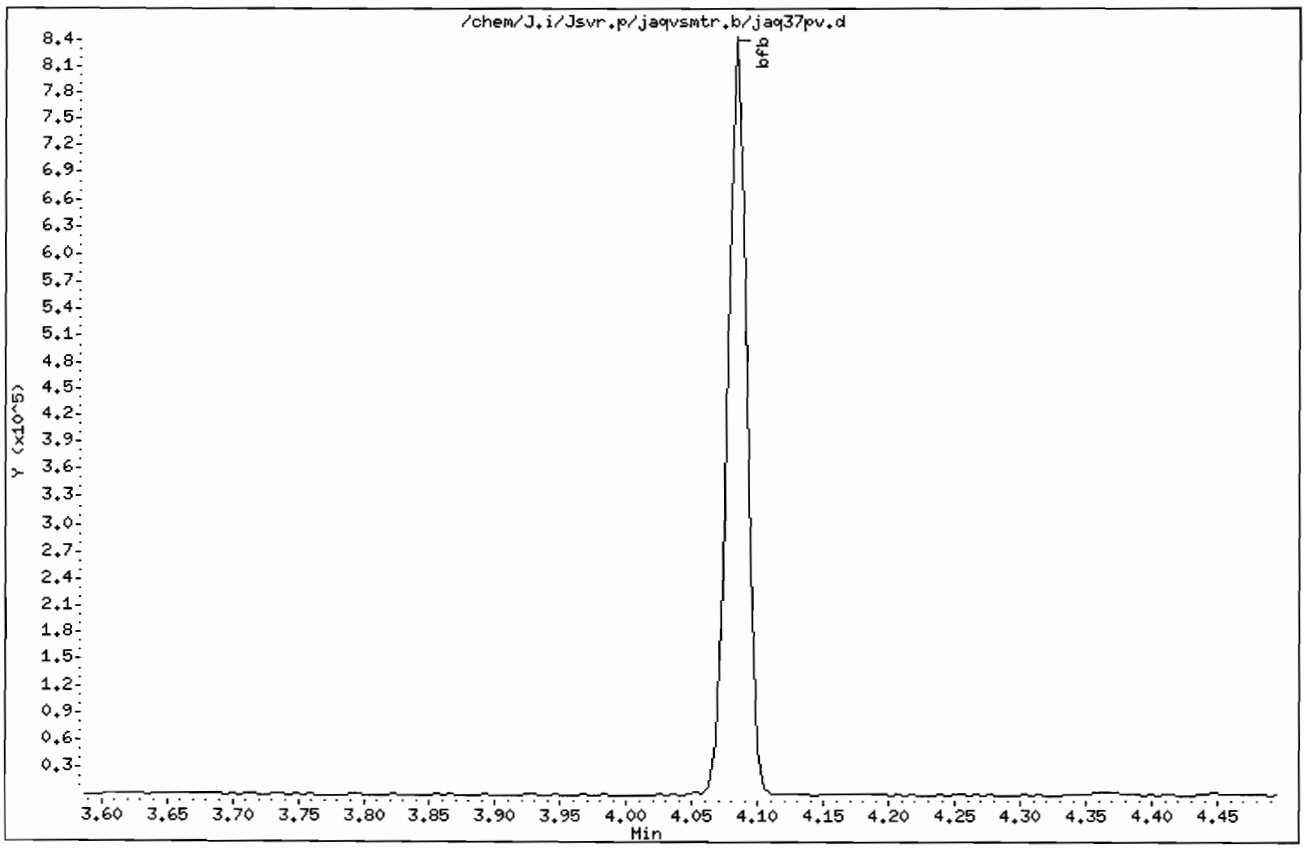
Sample Info: JAQ37PV

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/jaq41pv.d

Date : 03-MAY-2010 07:27

Client ID: BFBJE

Instrument: J.i

Sample Info: JAQ41PV

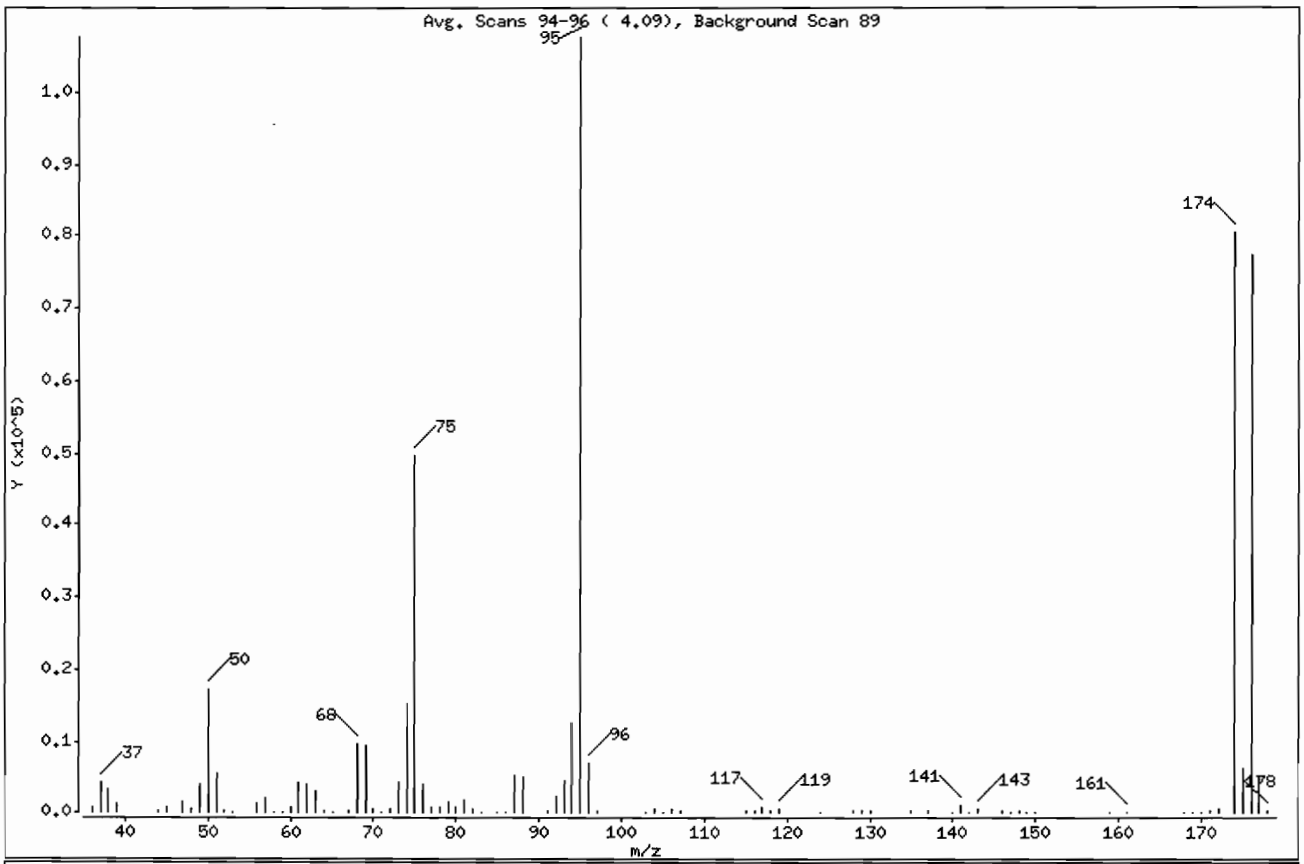
Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.20
75	30.00 - 80.00% of mass 95	46.14
96	5.00 - 9.00% of mass 95	6.54
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	74.75
175	5.00 - 9.00% of mass 174	5.70 (7.63)
176	95.00 - 101.00% of mass 174	71.70 (95.92)
177	5.00 - 9.00% of mass 176	4.59 (6.41)

Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/jaq41pv.d

Date : 03-MAY-2010 07:27

Client ID: BFBJE

Instrument: J.i

Sample Info: JAQ41PV

Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Data File: jaq41pv.d
Spectrum: Avg. Scans 94-96 (4.09), Background Scan 89
Location of Maximum: 95.00
Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	755	67.00	332	93.00	4364	142.00	113
37.00	4204	68.00	9552	94.00	12481	143.00	559
38.00	3280	69.00	9268	95.00	107440	146.00	143
39.00	1262	70.00	480	96.00	7030	147.00	73
44.00	153	71.00	115	97.00	154	148.00	172
45.00	741	72.00	518	103.00	81	149.00	81
47.00	1473	73.00	4080	104.00	428	150.00	56
48.00	539	74.00	15335	105.00	52	159.00	65
49.00	3849	75.00	49568	106.00	410	161.00	70
50.00	17400	76.00	4070	107.00	160	168.00	59
51.00	5367	77.00	823	115.00	148	169.00	63
52.00	255	78.00	693	116.00	151	170.00	81
53.00	52	79.00	1473	117.00	744	171.00	198
56.00	1214	80.00	642	118.00	315	172.00	437
57.00	2043	81.00	1770	119.00	466	174.00	80312
58.00	69	82.00	410	124.00	59	175.00	6124
59.00	62	83.00	86	128.00	316	176.00	77032
60.00	831	85.00	116	129.00	195	177.00	4936
61.00	4082	86.00	55	130.00	321	178.00	194
62.00	3903	87.00	5064	135.00	304		
63.00	3001	88.00	4977	137.00	163		
64.00	335	91.00	331	140.00	118		
65.00	103	92.00	2319	141.00	885		

Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/jaq41pv.d

Date : 03-MAY-2010 07:27

Client ID: BFBJE

Instrument: J.i

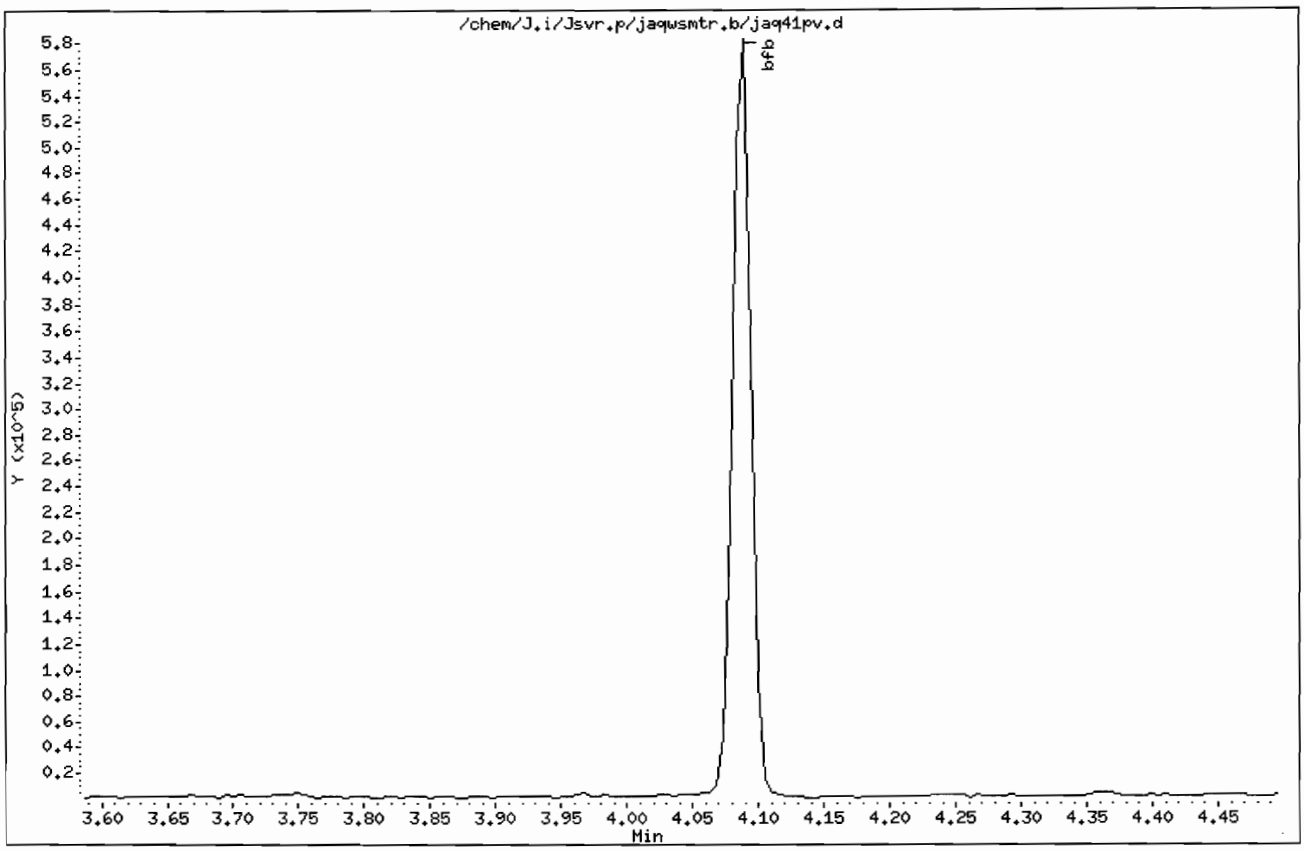
Sample Info: JAQ41PV

Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJC

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJC

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB01U

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	3.2	J
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.6	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJC

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJC

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB01U

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKJC

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJC

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB01U

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 04/30/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

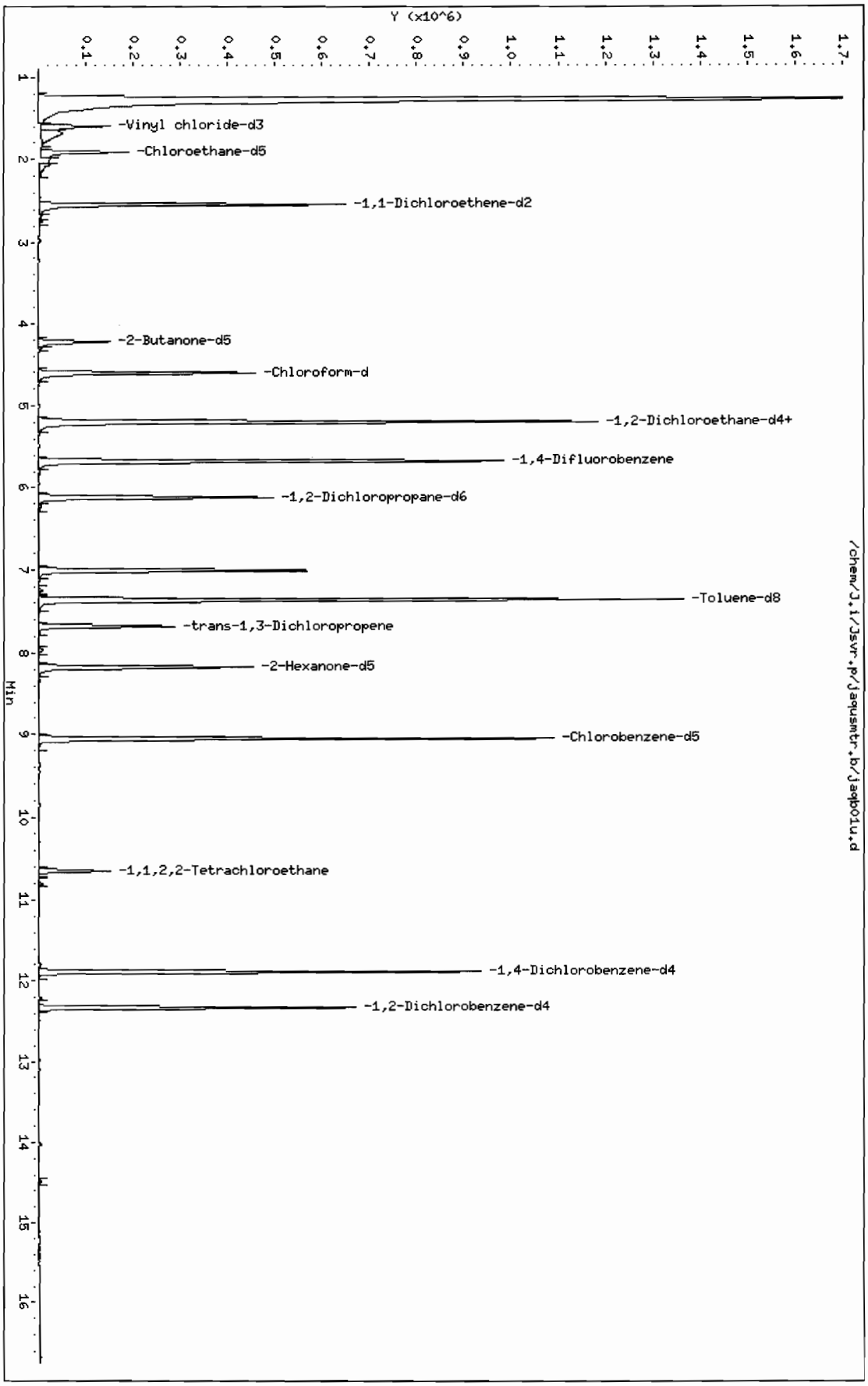
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.8	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Min
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqusmtr.b/jaqb01u.d
Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaqb01u.d
Date : 30-APR-2010 17:16
Client ID: VBLKJC
Sample Info: JAQB01U
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/jaqb01u.d
Lab Smp Id: VBLKJC Client Smp ID: VBLKJC
Inj Date : 30-APR-2010 17:16
Operator : JP1 Inst ID: J.i
Smp Info : JAQB01U
Misc Info : VBLKJC,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 2 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	377786	5.03290	5.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	304887	5.38533	5.4
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	470890	3.77729	3.8
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	2.597	2.591	(0.458)	8174	3.15014	3.2(a)
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.227	(0.745)	224930	45.8294	46
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	4.300	4.294	(0.758)	8059	1.58680	1.6(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.611	4.604	(0.812)	453480	4.59405	4.6
	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	5.182	5.182	(0.913)	145650	4.72215	4.7
$	29 Benzene-d6	84	5.195	5.195	(0.574)	1175804	4.68763	4.7
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	912837	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	292277	4.10818	4.1
	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	7.360	7.360	(0.813)	1067278	4.72798	4.7
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.671	7.671	(0.847)	192444	4.33309	4.3
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	184932	38.9944	39
	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	9.052	9.052	(1.000)	712786	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	95287	4.41317	4.4
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	289100	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.325	12.325	(1.037)	204036	4.61764	4.6
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqusmtr.b/jaqb01u.d
Lab Smp Id: VBLKJC Client Smp ID: VBLKJC
Inj Date : 30-APR-2010 17:16
Operator : JP1 Inst ID: J.i
Smp Info : JAQB01U
Misc Info : VBLKJC,043010JC,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqusmtr.b/somtr4.m
Meth Date : 11-May-2010 10:42 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 2 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2074949	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.014	1165609	2.80876546	2.8	0	0		32

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaqb01u.d

Date : 30-APR-2010 17:16

Client ID: VBLKJC

Instrument: J.i

Sample Info: JAQB01U

Purge Volume: 25.0

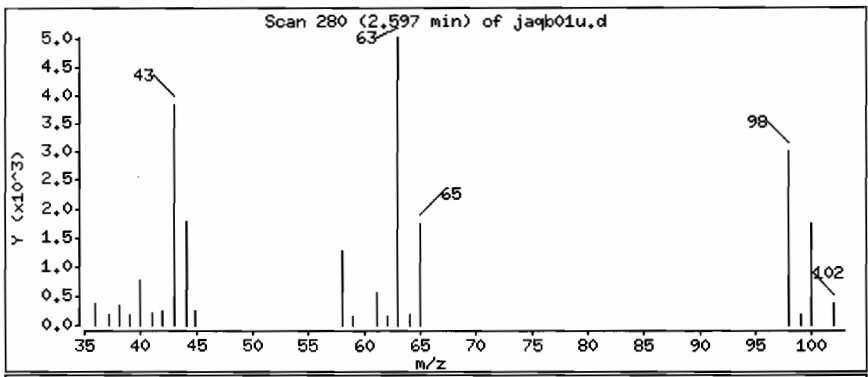
Operator: JP1

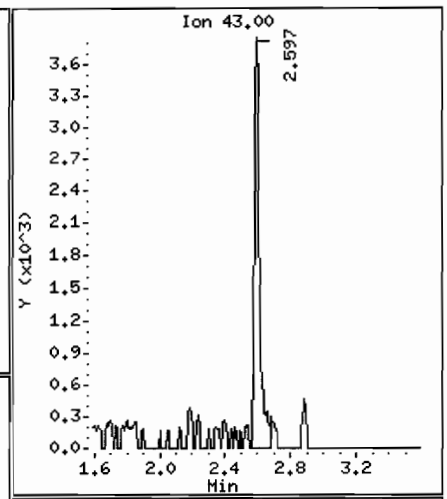
Column phase: DB-624

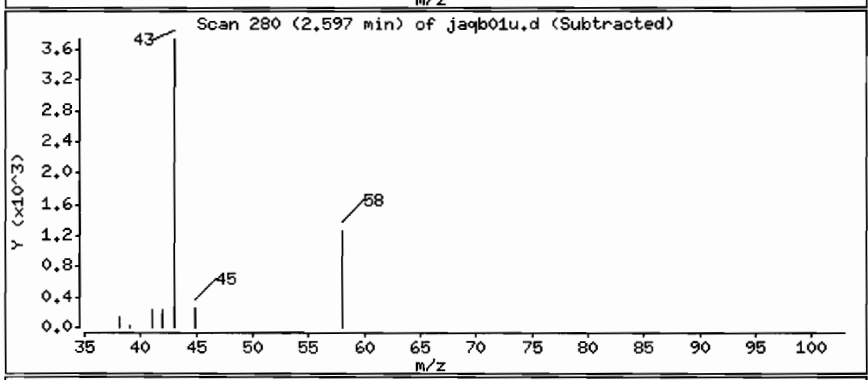
Column diameter: 0.53

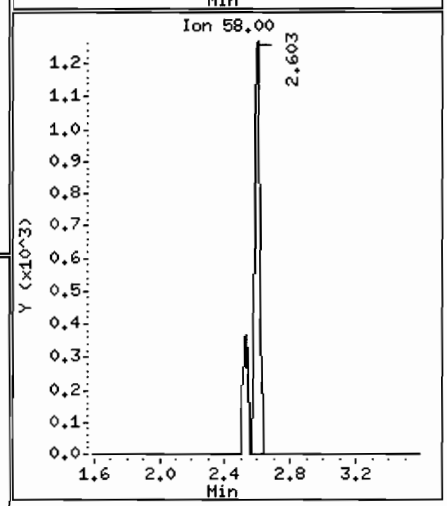
12 Acetone

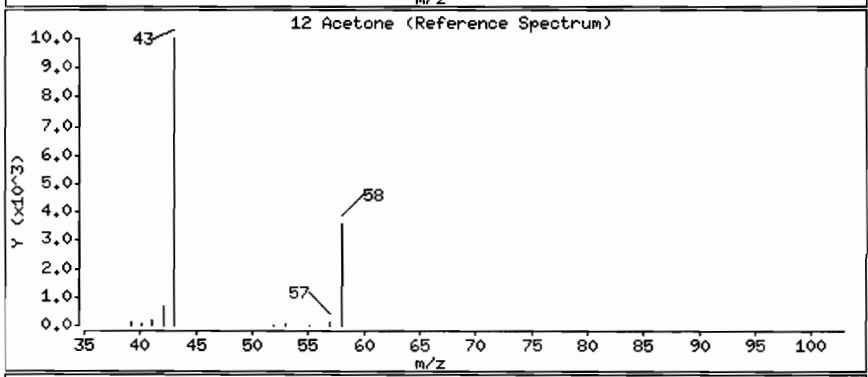
Concentration: 3.2 ug/L

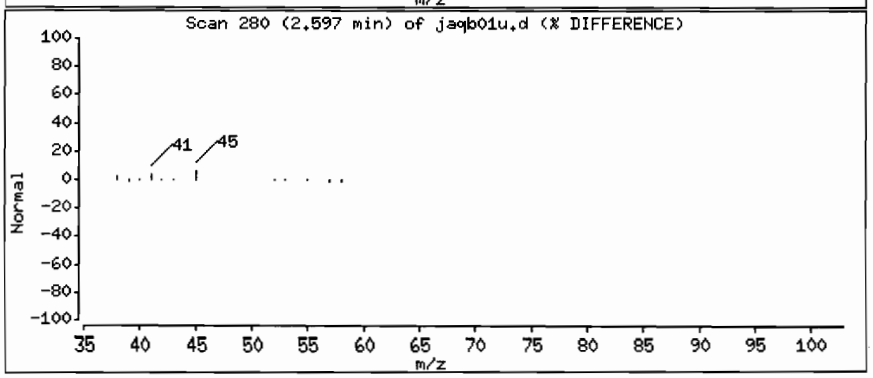












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaqb01u.d

Date : 30-APR-2010 17:16

Client ID: VBLKJC

Instrument: J.i

Sample Info: JAQB01U

Purge Volume: 25.0

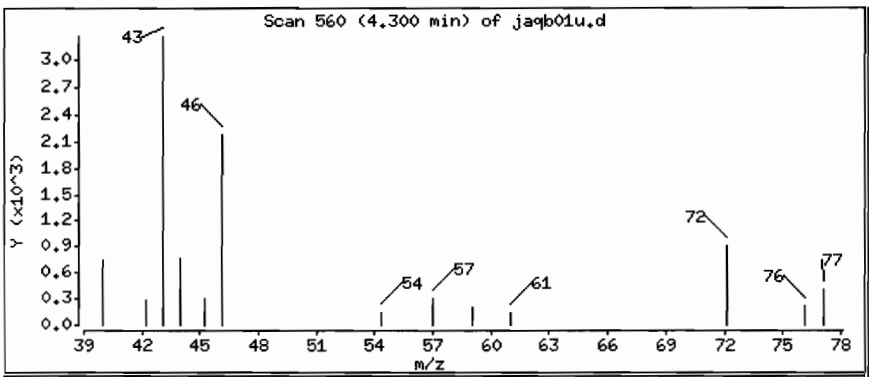
Operator: JP1

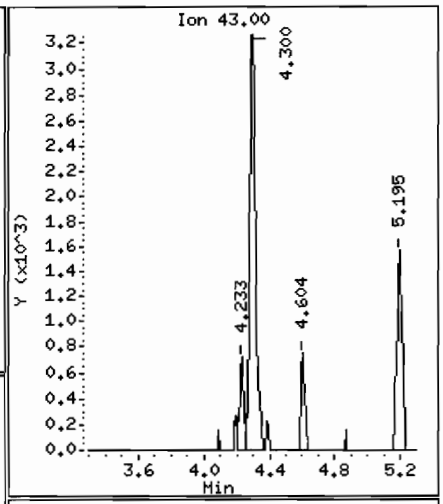
Column phase: DB-624

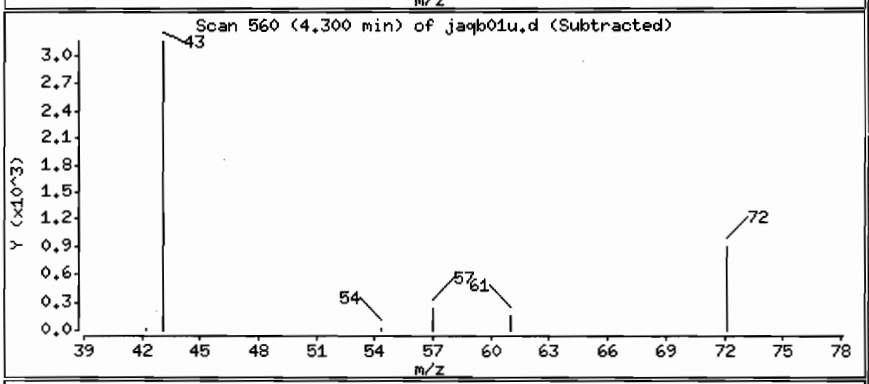
Column diameter: 0.53

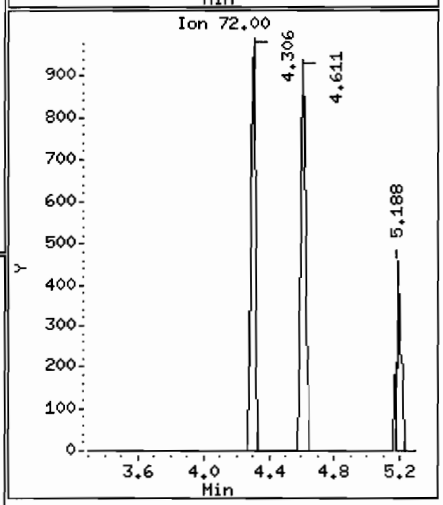
21 2-Butanone

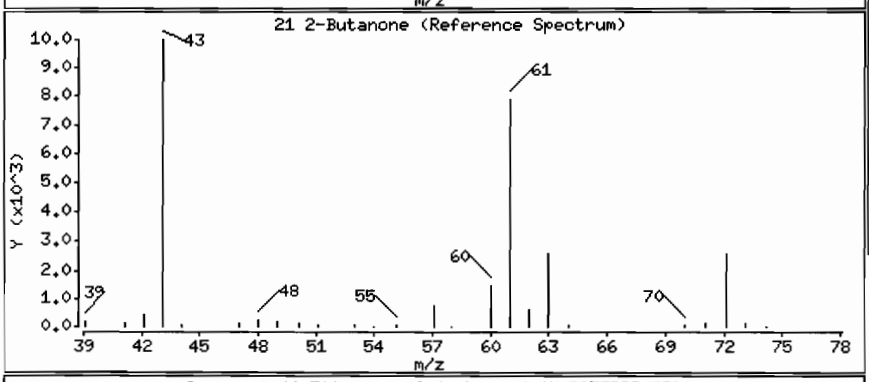
Concentration: 1.6 ug/L

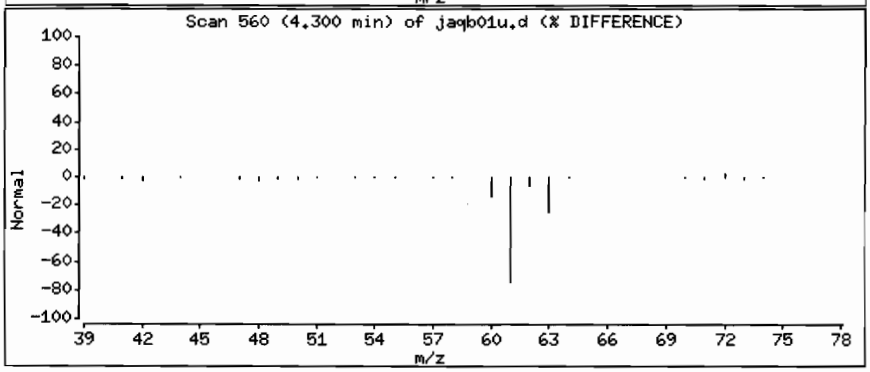












Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/jaqb01u.d

Date : 30-APR-2010 17:16

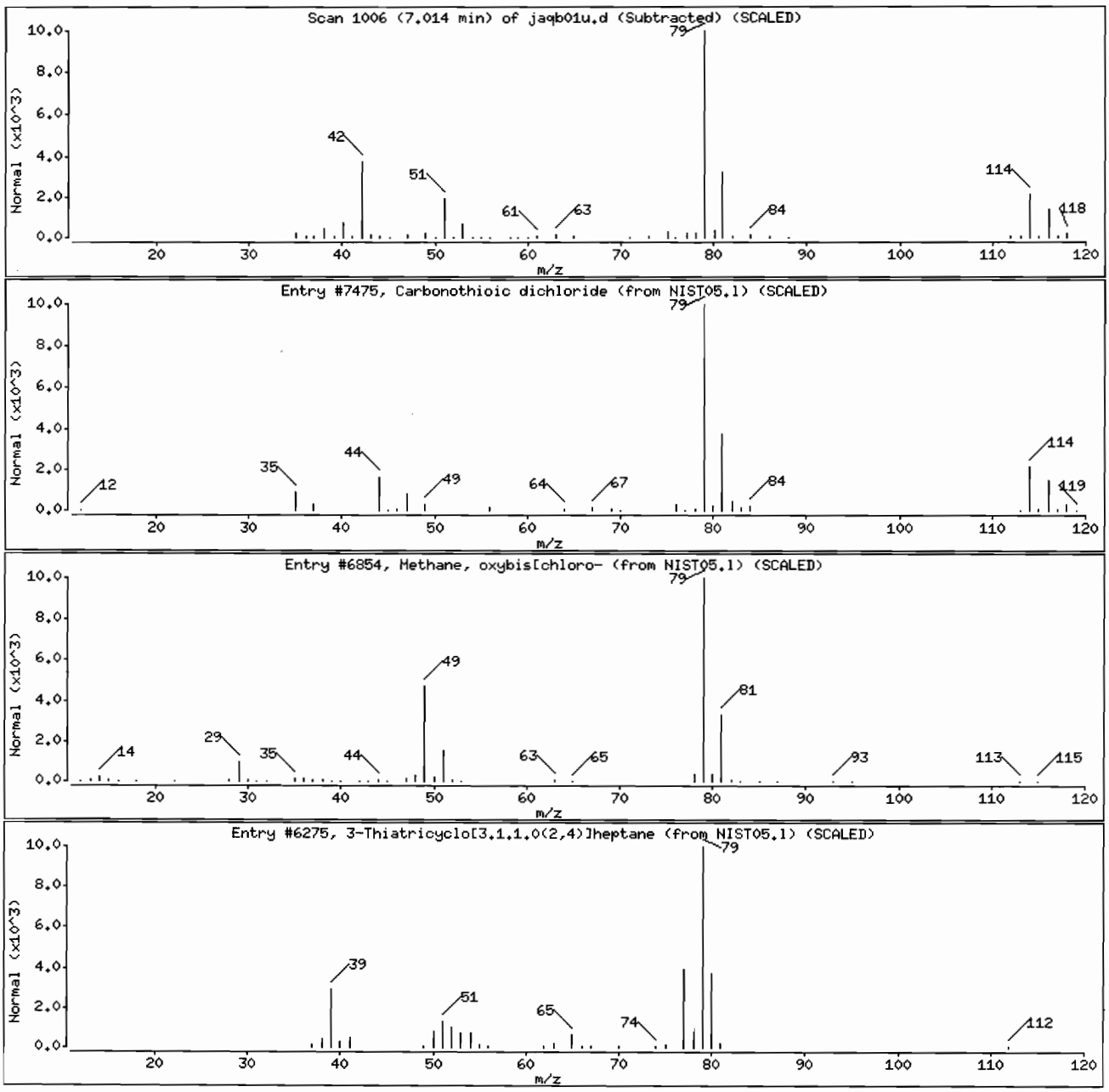
Client ID: VBLKJC Instrument: J.i

Sample Info: JAQB01U

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	58	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	33	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	9	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB02V

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.8	J
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.3	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB02V

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKJD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJD

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB02V

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

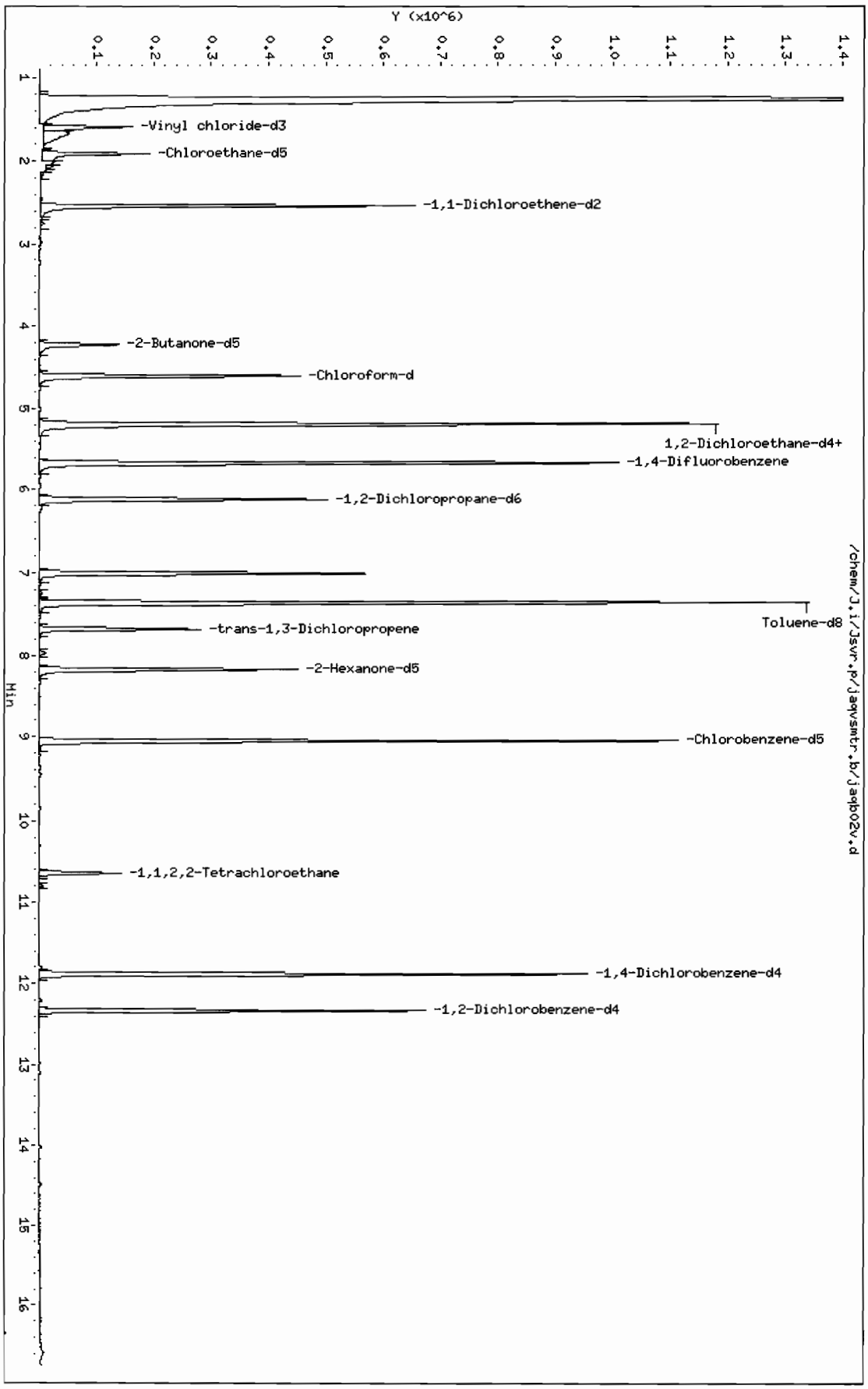
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.7	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
Min
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb02v.d
Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb02v.d
Date : 01-MAY-2010 11:10
Client ID: VBLKJD
Sample Info: JAQB02V
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb02v.d
Lab Smp Id: VBLKJD Client Smp ID: VBLKJD
Inj Date : 01-MAY-2010 11:10
Operator : JP1 Inst ID: J.i
Smp Info : JAQB02V
Misc Info : VBLKJD,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	378718	4.88331	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	296317	5.06589	5.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	473609	3.67710	3.7
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	2.597	2.597	(0.458)	7628	2.84532	2.8(a)
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15	Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.233	(0.745)	214230	42.2476	42
	20	cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21	2-Butanone	43	4.300	4.294	(0.758)	6597	1.25722	1.3(a)
	22	Bromochloromethane	128	Compound Not Detected.					
$	23	Chloroform-d	84	4.604	4.610	(0.811)	449953	4.41195	4.4
	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	5.182	5.182	(0.913)	145415	4.56314	4.6
$	29	Benzene-d6	84	5.194	5.200	(0.574)	1190469	4.65965	4.7
	30	Benzene	78	Compound Not Detected.					
	31	1,2-Dichloroethane	62	Compound Not Detected.					
*	32	1,4-Difluorobenzene	114	5.675	5.675	(1.000)	943122	5.00000	
	33	Trichloroethene	95	Compound Not Detected.					
$	34	1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	290128	4.00370	4.0
	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	7.360	7.360	(0.813)	1057732	4.60035	4.6
	41	Toluene	91	Compound Not Detected.					
$	42	trans-1,3-Dichloropropene-d4	79	7.670	7.670	(0.847)	192484	4.25505	4.3
	43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44	1,1,2-Trichloroethane	97	Compound Not Detected.					
	45	Tetrachloroethene	164	Compound Not Detected.					
$	46	2-Hexanone-d5	63	8.169	8.169	(0.903)	184513	38.1974	38
	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	9.051	9.051	(1.000)	726010	5.00000	
	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	Compound Not Detected.					
	57	Isopropylbenzene	105	Compound Not Detected.					
$	58	1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	88803	4.03795	4.0
	59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60	1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61	1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	297137	5.00000	
	62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	198849	4.37852	4.4
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb02v.d
Lab Smp Id: VBLKJD Client Smp ID: VBLKJD
Inj Date : 01-MAY-2010 11:10
Operator : JP1 Inst ID: J.i
Smp Info : JAQB02V
Misc Info : VBLKJD,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2131022	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.013	1161640	2.72554436	2.7	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb02v.d

Date : 01-MAY-2010 11:10

Client ID: VBLKJD

Instrument: J.i

Sample Info: JAQB02V

Purge Volume: 25.0

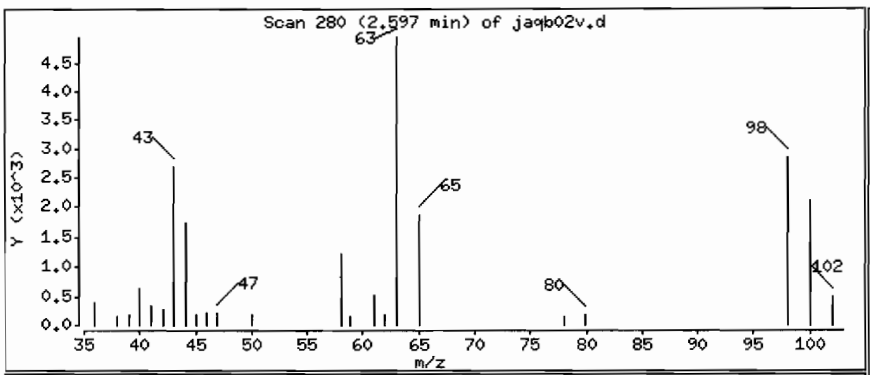
Operator: JP1

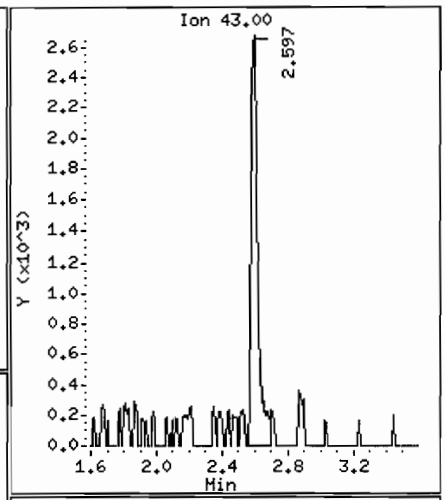
Column phase: DB-624

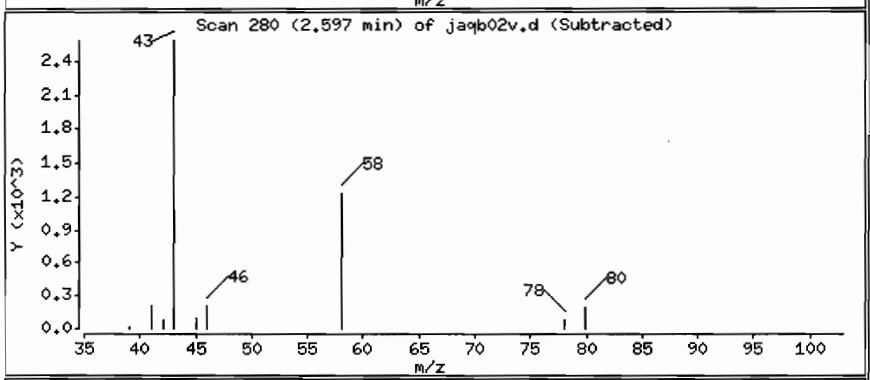
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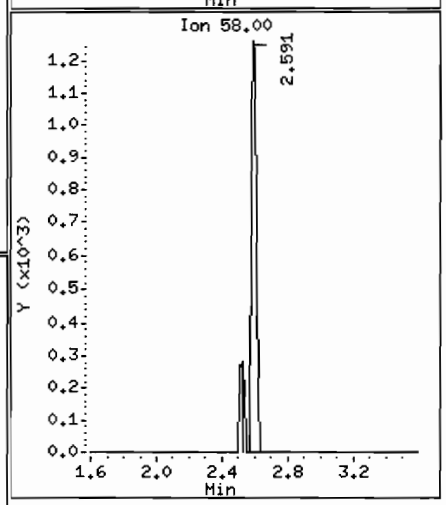
12 Acetone

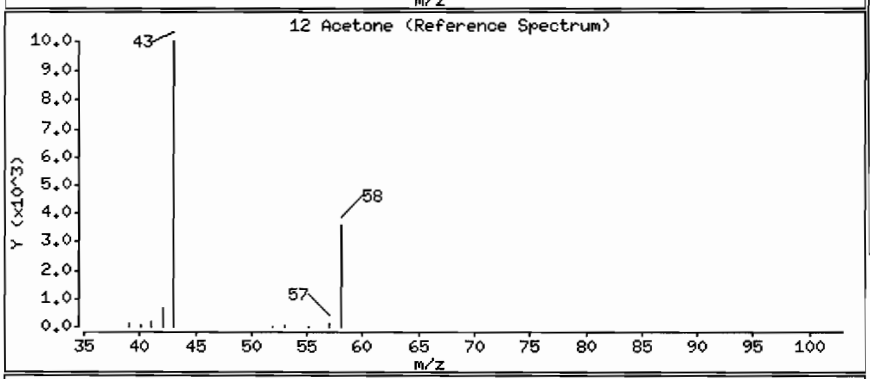
Concentration: 2.8 ug/L

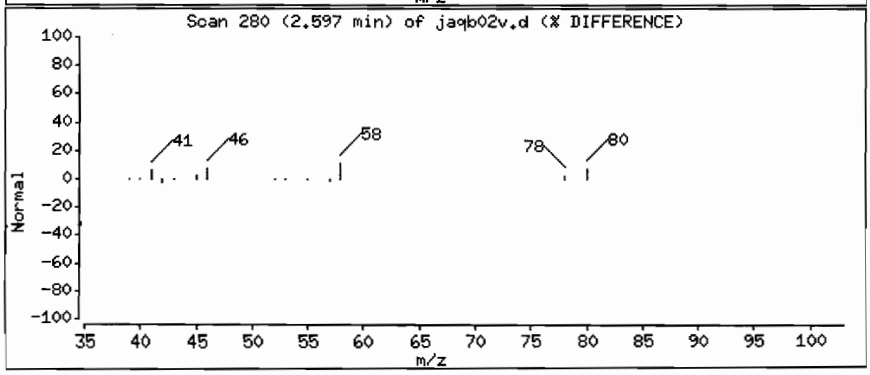












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb02v.d

Date : 01-MAY-2010 11:10

Client ID: VBLKJD

Instrument: J.i

Sample Info: JAQB02V

Purge Volume: 25.0

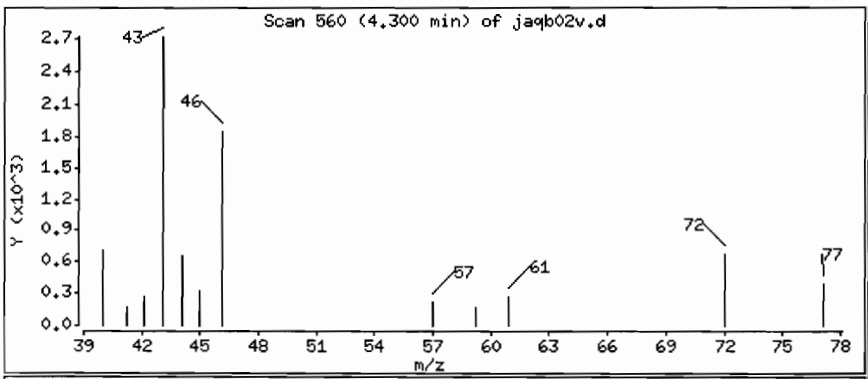
Operator: JP1

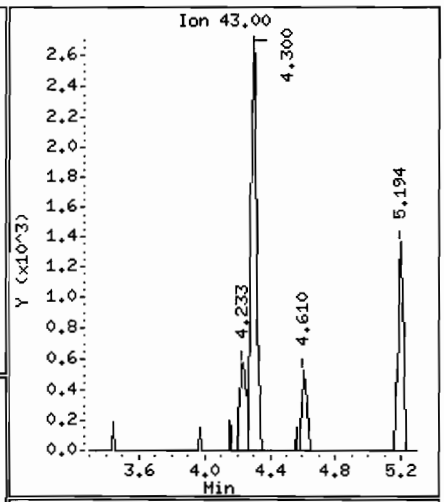
Column phase: DB-624

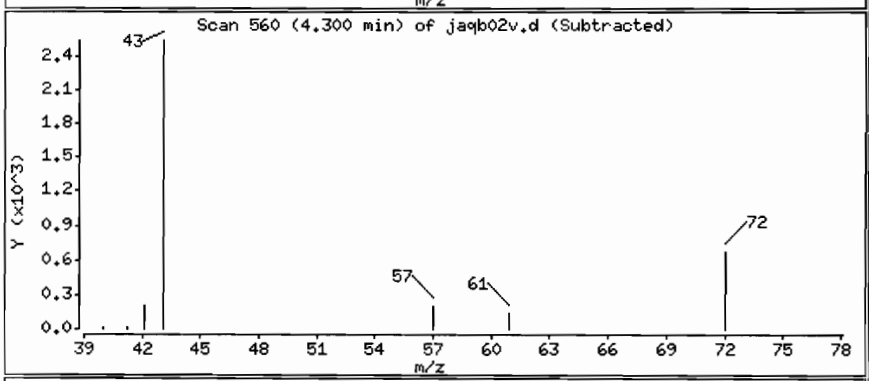
Column diameter: 0.53

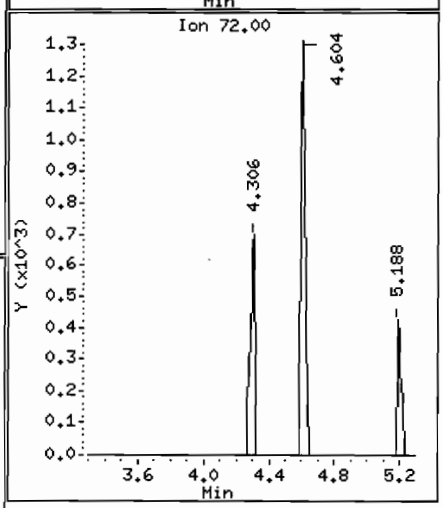
21 2-Butanone

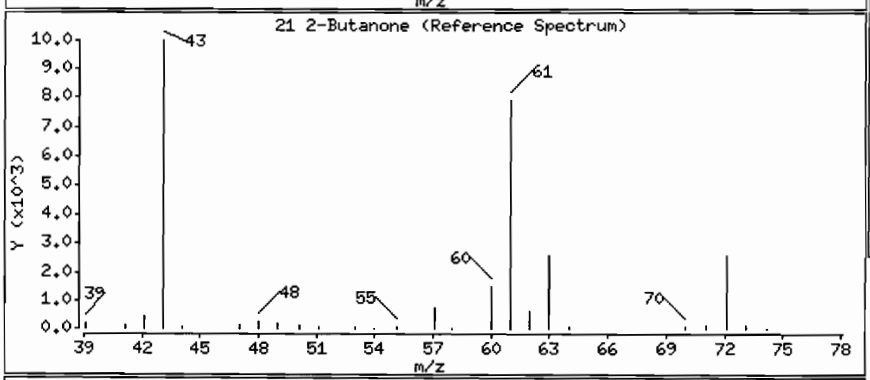
Concentration: 1.3 ug/L

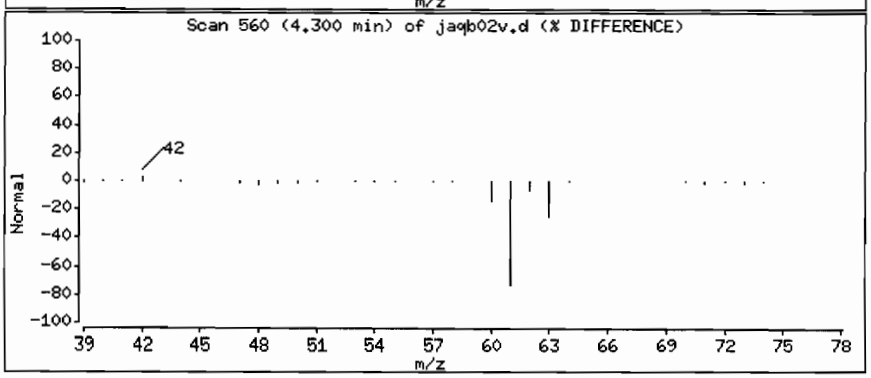












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb02v.d

Date : 01-MAY-2010 11:10

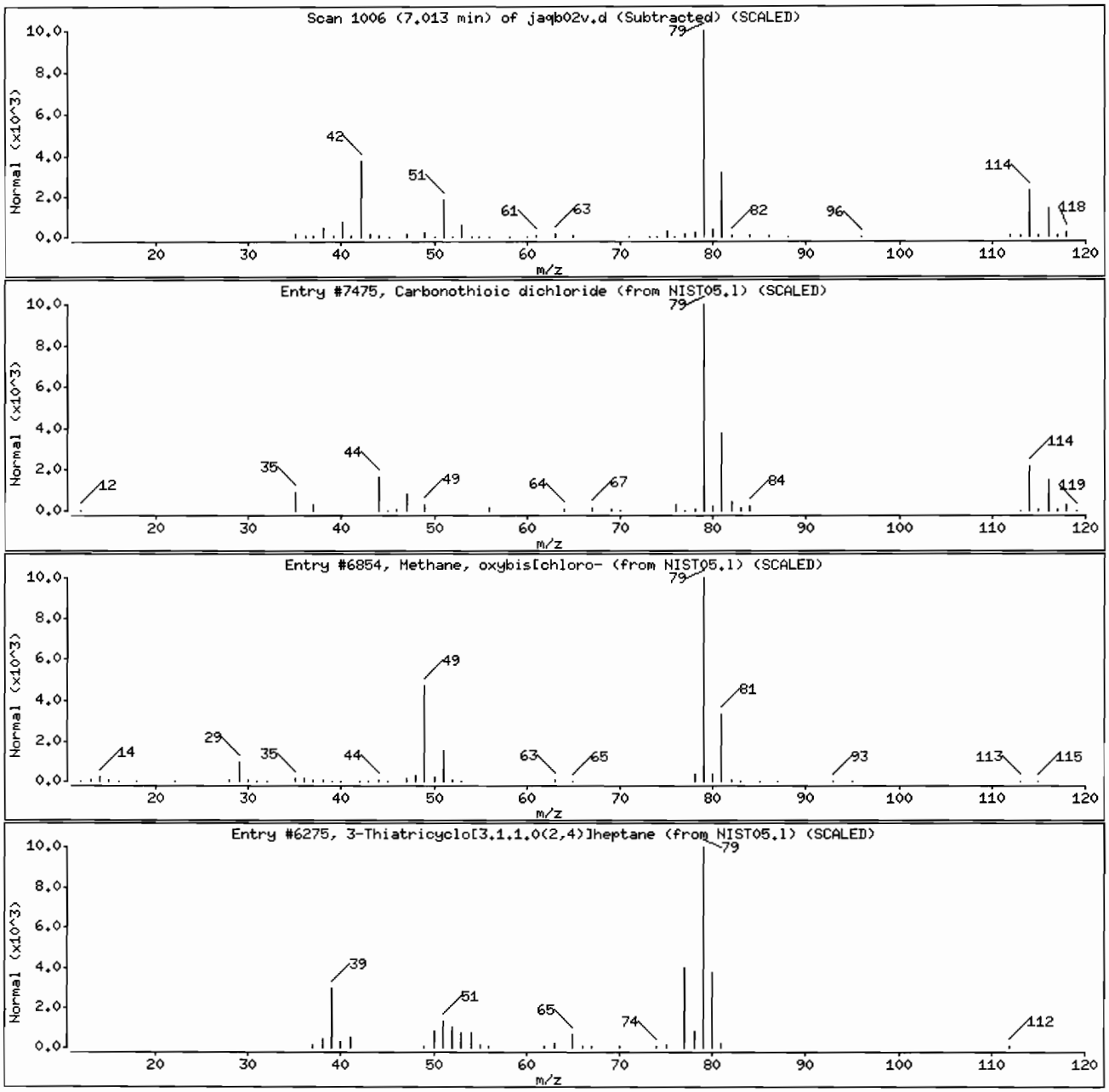
Client ID: VBLKJD Instrument: J.i

Sample Info: JAQB02V

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	64	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	40	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	28	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJE

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB03W

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/03/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.2	J
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.1	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJE

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB03W

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/03/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKJE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJE

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB03W

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/03/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

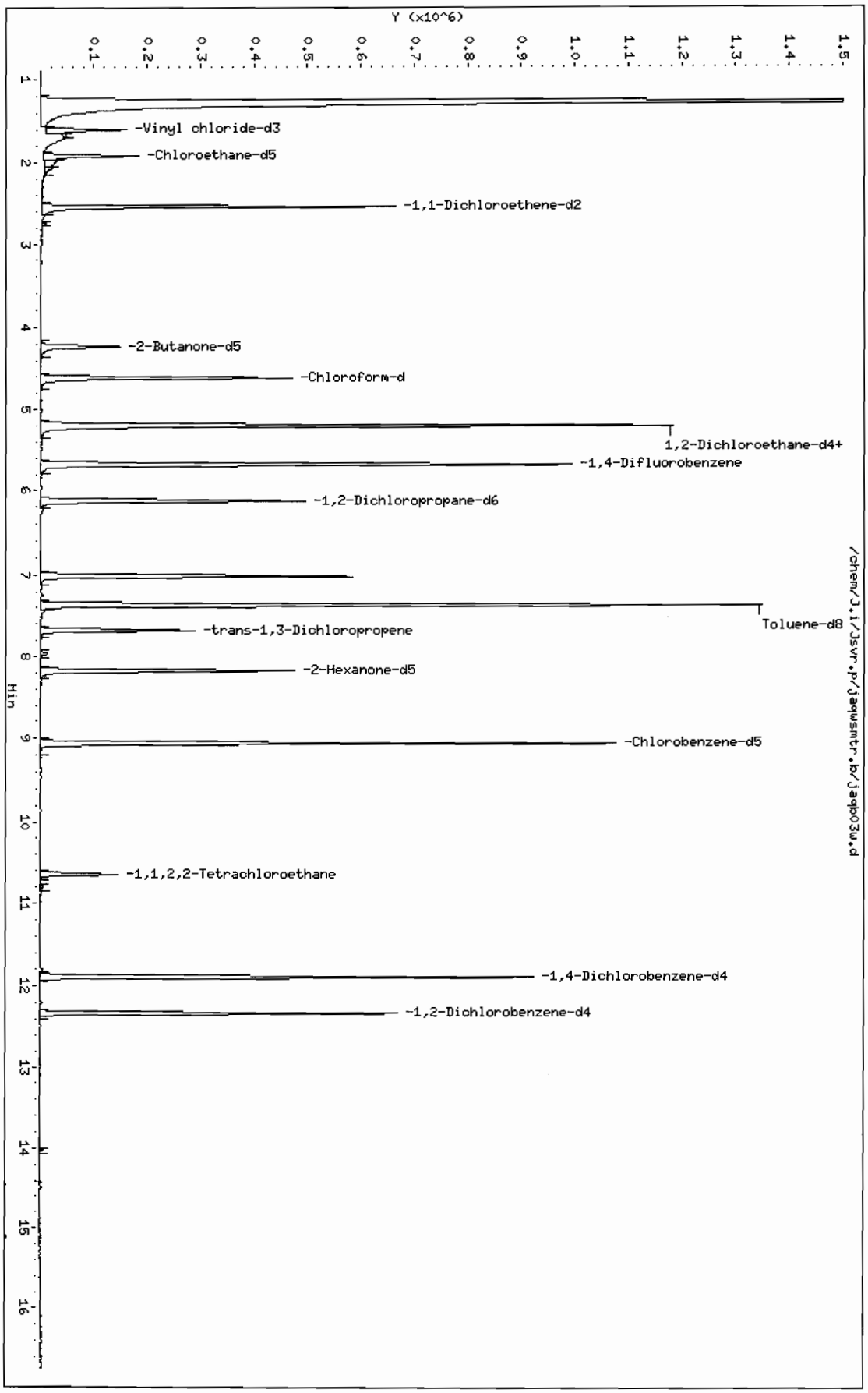
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.8	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Min
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqwsmtr.b/jaqb03w.d
Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/jaqb03w.d
Date : 03-MAY-2010 09:16
Client ID: VBLKJE
Sample Info: JAQB03W
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JH2
Column diameter: 0.53

Page 5

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqwsmtr.b/jaqb03w.d
Lab Smp Id: VBLKJE Client Smp ID: VBLKJE
Inj Date : 03-MAY-2010 09:16
Operator : JH2 Inst ID: J.i
Smp Info : JAQB03W
Misc Info : VBLKJE,050310JE,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqwsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:58 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 2 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	382675	4.99734	5.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	294649	5.10169	5.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	481349	3.78492	3.8
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	2.597	2.597	(0.458)	5935	2.24208	2.2(a)
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.233	4.233	(0.746)	232713	46.4786	46
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	4.300	4.300	(0.758)	5448	1.05151	1.1(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.610	4.610	(0.812)	461013	4.57812	4.6
	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	5.182	5.182	(0.913)	142821	4.53896	4.5
$	29 Benzene-d6	84	5.200	5.201	(0.575)	1192111	4.77383	4.8
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	931231	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.125	6.125	(0.677)	296511	4.18627	4.2
	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	7.360	7.360	(0.813)	1069544	4.75914	4.8
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.677	(0.847)	200479	4.53412	4.5
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	199155	42.1807	42
	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	9.051	9.058	(1.000)	709623	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	96056	4.46862	4.5
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	287257	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	203139	4.62683	4.6
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqwsmtr.b/jaqb03w.d
Lab Smp Id: VBLKJE Client Smp ID: VBLKJE
Inj Date : 03-MAY-2010 09:16
Operator : JH2 Inst ID: J.i
Smp Info : JAQB03W
Misc Info : VBLKJE,050310JE,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqwsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:58 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 2 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2099379	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.013	1181453	2.81381412	2.8	0	0		32

Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/jaqb03w.d

Date : 03-MAY-2010 09:16

Client ID: VBLKJE

Instrument: J.i

Sample Info: JAQB03W

Purge Volume: 25.0

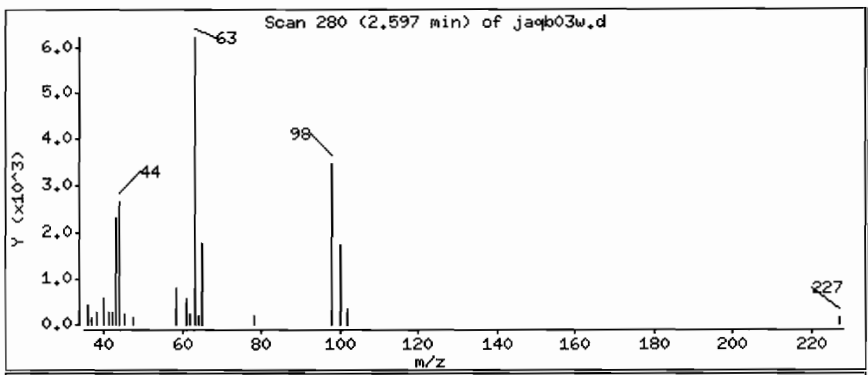
Operator: JH2

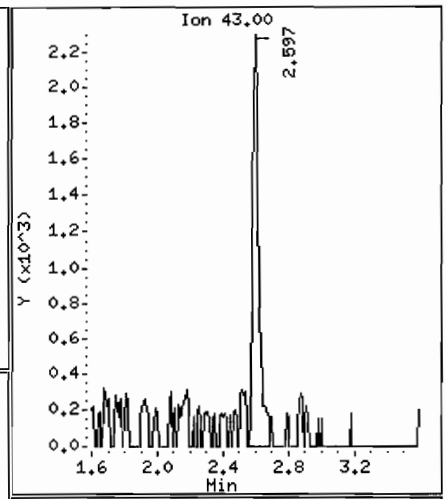
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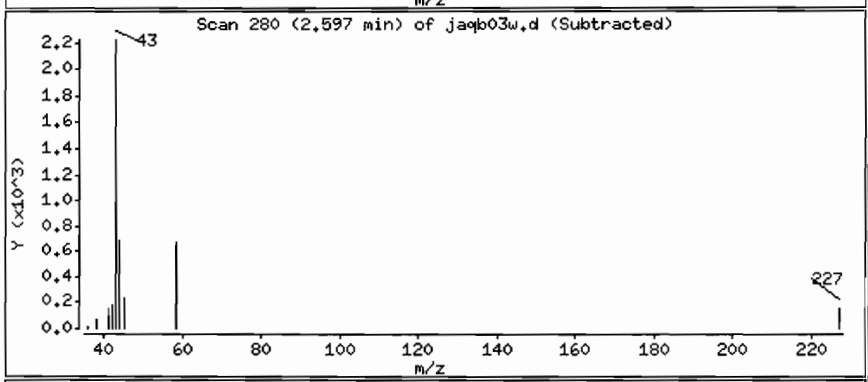
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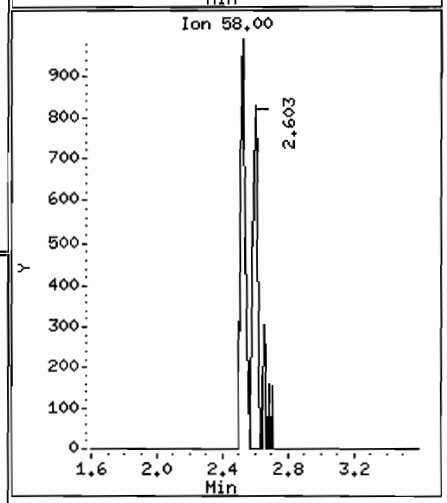
12 Acetone

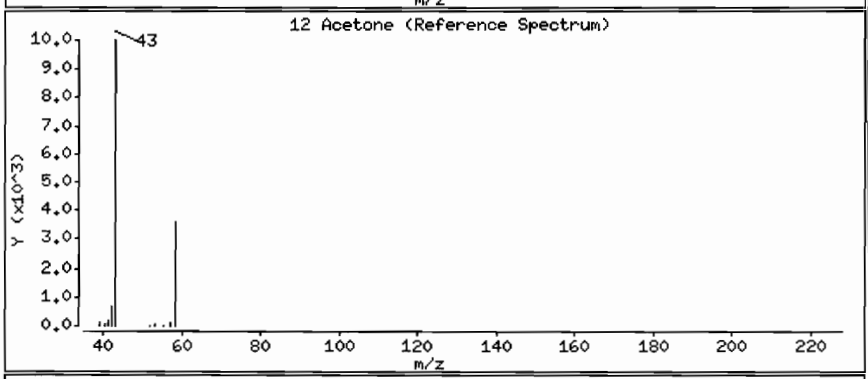
Concentration: 2.2 ug/L

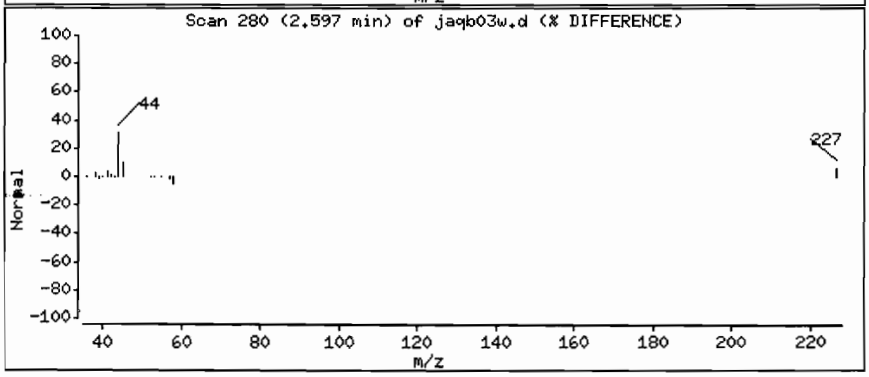












Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/jaqb03w.d

Date : 03-MAY-2010 09:16

Client ID: VBLKJE

Instrument: J.i

Sample Info: JAQB03W

Purge Volume: 25.0

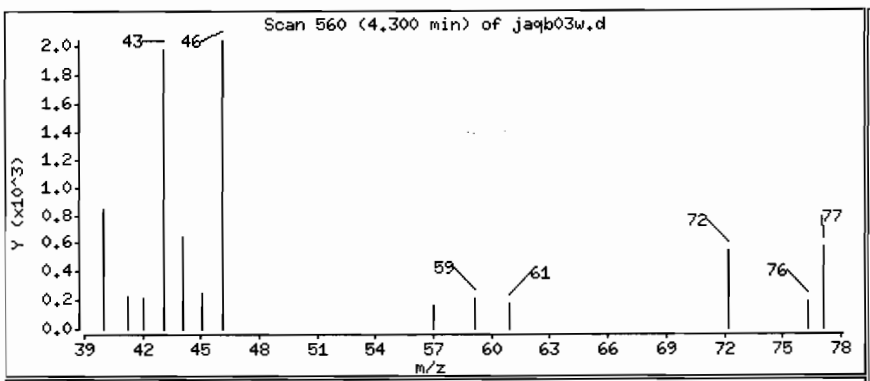
Operator: JH2

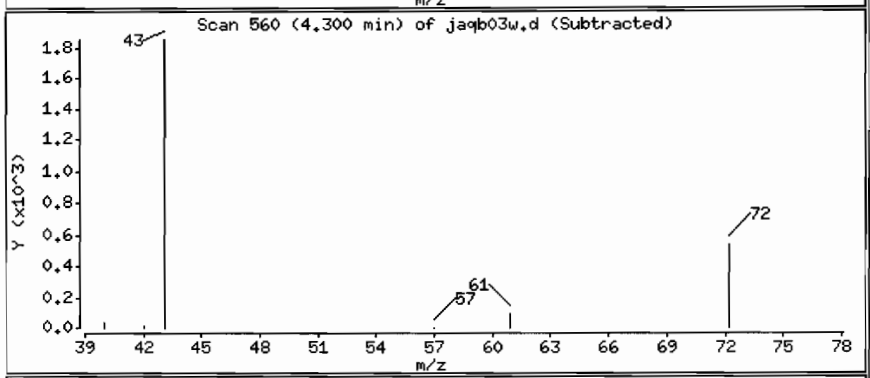
Column phase: DB-624

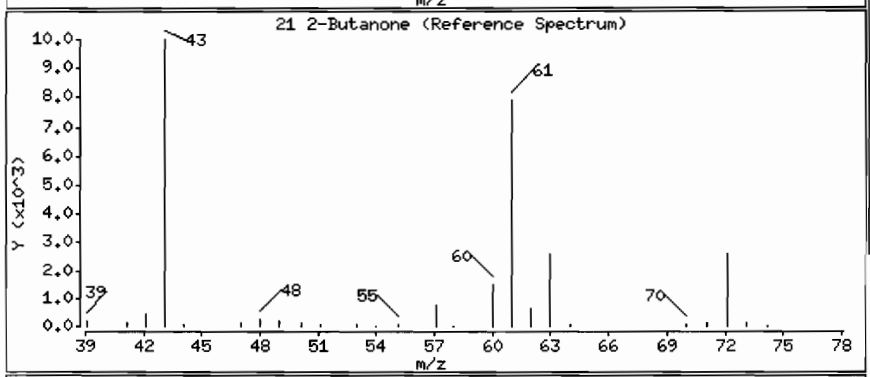
Column diameter: 0.53

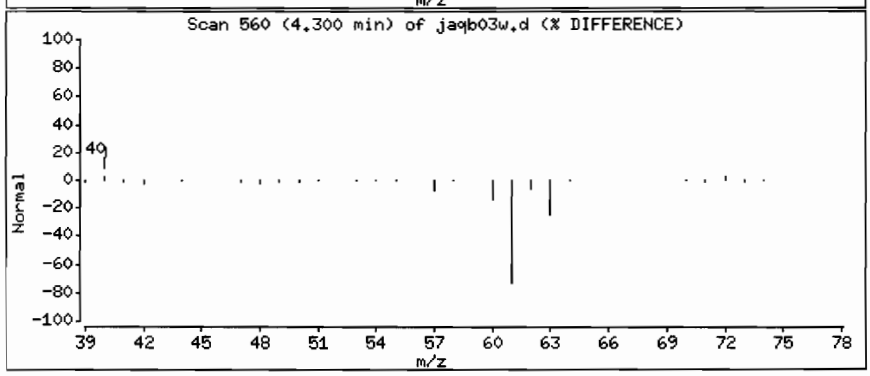
21 2-Butanone

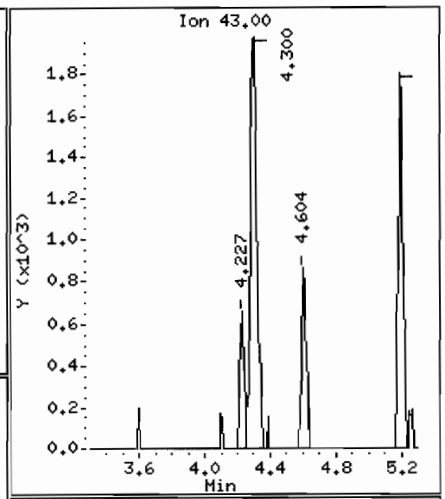
Concentration: 1.1 ug/L

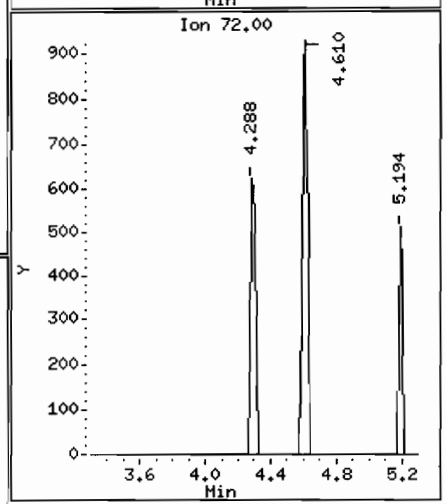












Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/jaqb03w.d

Date : 03-MAY-2010 09:16

Client ID: VBLKJE

Instrument: J.i

Sample Info: JAQB03W

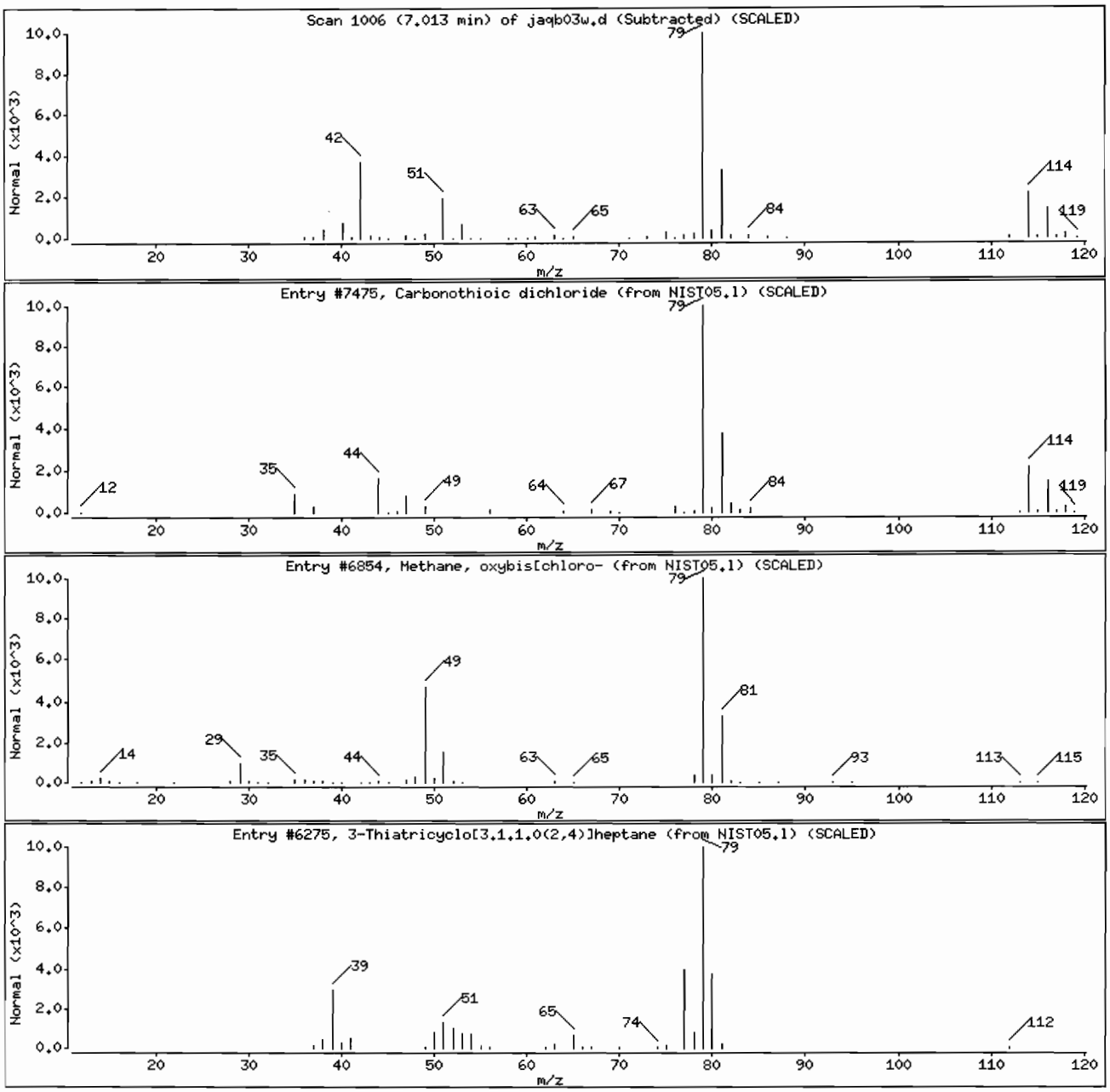
Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	42	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	33	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	28	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828429

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828429

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/03/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828429

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828429

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/03/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 828429

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 828429

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/03/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqusmtr.b/828429.d
Date : 03-MAY-2010 14:48
Client ID: VHBLK01
Sample Info: VHBLK01 :I 04/30/10 01320(WATER)
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
Min
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqusmtr.b/828429.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqwsmtr.b/828429.d
Lab Smp Id: 828429 Client Smp ID: VHBLK01
Inj Date : 03-MAY-2010 14:48
Operator : JP1 Inst ID: J.i
Smp Info : VHBLK01 :[ ]04/30/10 @1320(WATER)
Misc Info : 828429,050310JE,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqwsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:58 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	362078	4.94320	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	288575	5.22355	5.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.542	2.542	(0.448)	461339	3.79240	3.8
	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	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.233	4.233	(0.746)	225159	47.0131	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	4.610	4.610	(0.812)	437030	4.53714	4.5
	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	5.182	5.182	(0.913)	136674	4.54096	4.5
$	29 Benzene-d6	84	5.200	5.201	(0.575)	1131359	4.74104	4.7
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	890759	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.119	6.125	(0.676)	283745	4.19216	4.2
	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	7.360	7.360	(0.813)	1035297	4.82079	4.8
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.676	7.677	(0.848)	186158	4.40585	4.4
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	186477	41.3305	41
	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	9.051	9.058	(1.000)	678117	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	93112	4.53291	4.5
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	279478	5.00000	(Q)
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	196084	4.59045	4.6
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

Data file : /chem/J.i/Jsvr.p/jaqwsmtr.b/828429.d
Lab Smp Id: 828429 Client Smp ID: VHBLK01
Inj Date : 03-MAY-2010 14:48
Operator : JP1 Inst ID: J.i
Smp Info : VHBLK01 :[ ]04/30/10 @1320(WATER)
Misc Info : 828429,050310JE,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqwsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:58 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2002360	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.013	1118605	2.79321673	2.8	0	0		32

Data File: /chem/J.i/Jsvr.p/jaqwsmtr.b/828429.d

Date : 03-MAY-2010 14:48

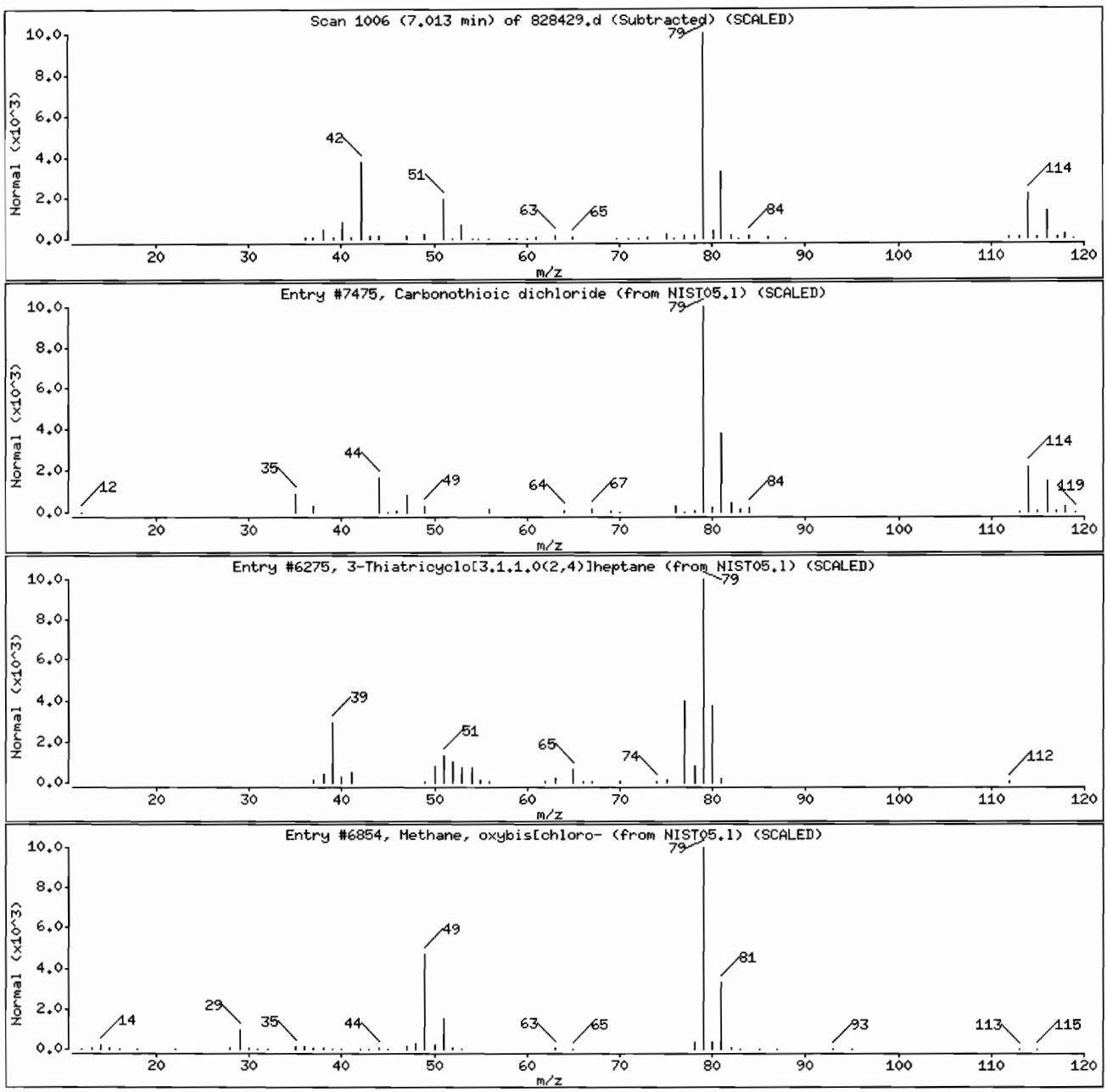
Client ID: VHBLK01 Instrument: J.i

Sample Info: VHBLK01 :[ ]04/30/10 @1320(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	42	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	37	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	28	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJH

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB04V

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJH

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB04V

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VIBLKJH

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJH

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB04V

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.7	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb04v.d
Date : 01-MAY-2010 13:24
Client ID: VIBLKJH
Sample Info: JAQB04V
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Page 5
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
Min
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb04v.d

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb04v.d
Lab Smp Id: VIBLKJH Client Smp ID: VIBLKJH
Inj Date : 01-MAY-2010 13:24
Operator : JP1 Inst ID: J.i
Smp Info : JAQB04V
Misc Info : VIBLKJH,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.599	1.599	(0.282)	376044	4.86591	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.909	1.909	(0.336)	293942	5.04299	5.0
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	469358	3.65694	3.7
	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	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
	15	Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.233	(0.745)	214675	42.4846	42
	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	4.604	4.610	(0.811)	450242	4.43034	4.4
	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	5.182	5.182	(0.913)	142219	4.47857	4.5
$	29	Benzene-d6	84	5.194	5.200	(0.574)	1174100	4.62199	4.6
	30	Benzene	78	Compound Not Detected.					
	31	1,2-Dichloroethane	62	Compound Not Detected.					
*	32	1,4-Difluorobenzene	114	5.675	5.675	(1.000)	939810	5.00000	
	33	Trichloroethene	95	Compound Not Detected.					
$	34	1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	288586	4.00531	4.0
	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	7.360	7.360	(0.813)	1070043	4.68064	4.7
	41	Toluene	91	Compound Not Detected.					
$	42	trans-1,3-Dichloropropene-d4	79	7.670	7.670	(0.847)	189055	4.20327	4.2
	43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44	1,1,2-Trichloroethane	97	Compound Not Detected.					
	45	Tetrachloroethene	164	Compound Not Detected.					
$	46	2-Hexanone-d5	63	8.169	8.169	(0.903)	190093	39.5788	40
	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	9.051	9.051	(1.000)	721861	5.00000	
	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	Compound Not Detected.					
	57	Isopropylbenzene	105	Compound Not Detected.					
$	58	1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	94753	4.33327	4.3
	59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60	1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61	1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	295001	5.00000	
	62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	201734	4.47421	4.5
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.					

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb04v.d
Lab Smp Id: VIBLKJH Client Smp ID: VIBLKJH
Inj Date : 01-MAY-2010 13:24
Operator : JP1 Inst ID: J.i
Smp Info : JAQB04V
Misc Info : VIBLKJH,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2108992	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.013	1152818	2.73310027	2.7	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb04v.d

Date : 01-MAY-2010 13:24

Client ID: VIBLKJH

Instrument: J.i

Sample Info: JAQB04V

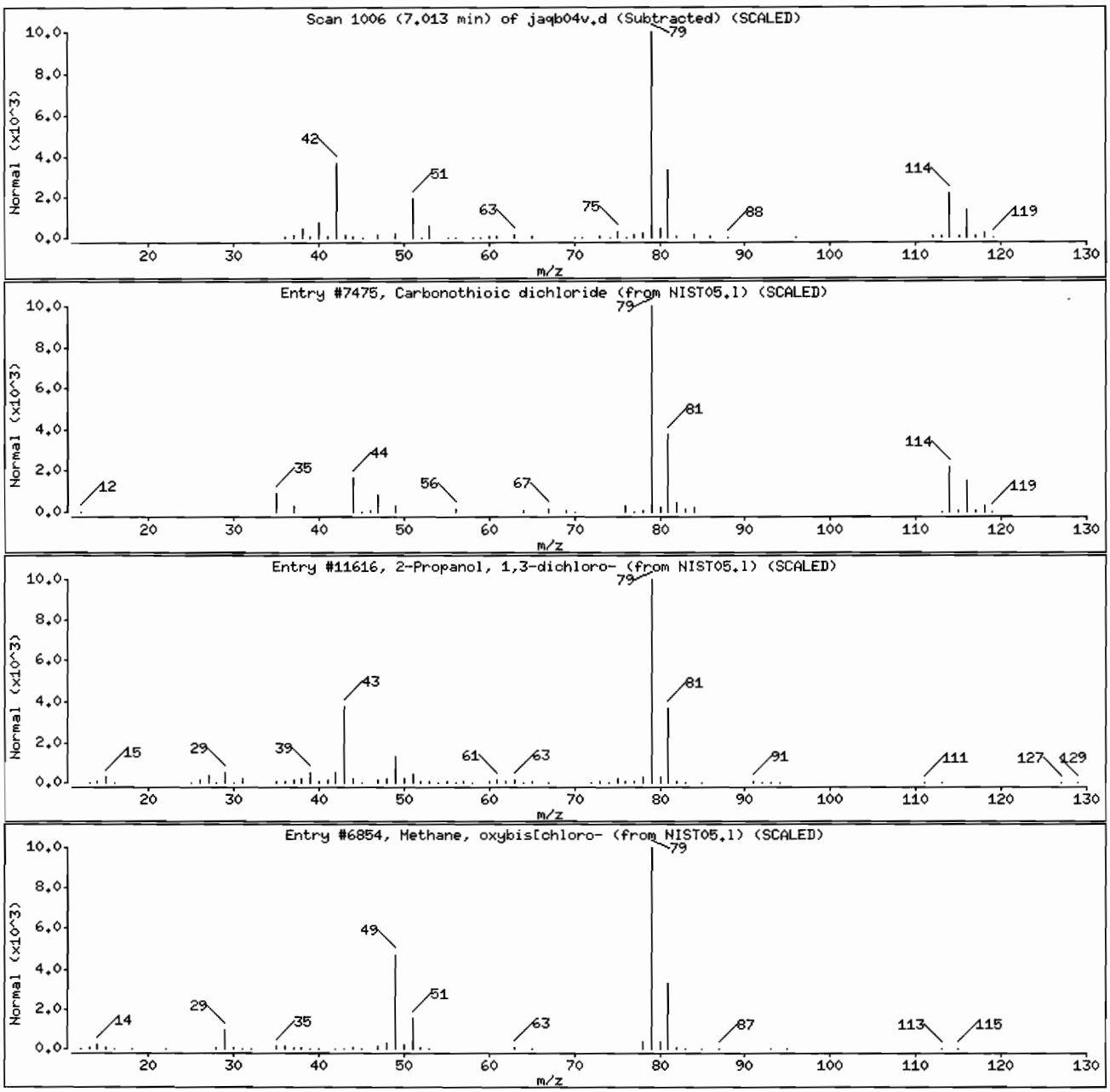
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	58	CCl2S	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11616	37	C3H6Cl2O	128
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	33	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJI

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJI

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB05V

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.2	JB
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJI

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJI

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB05V

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VIBLKJI

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJI

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB05V

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

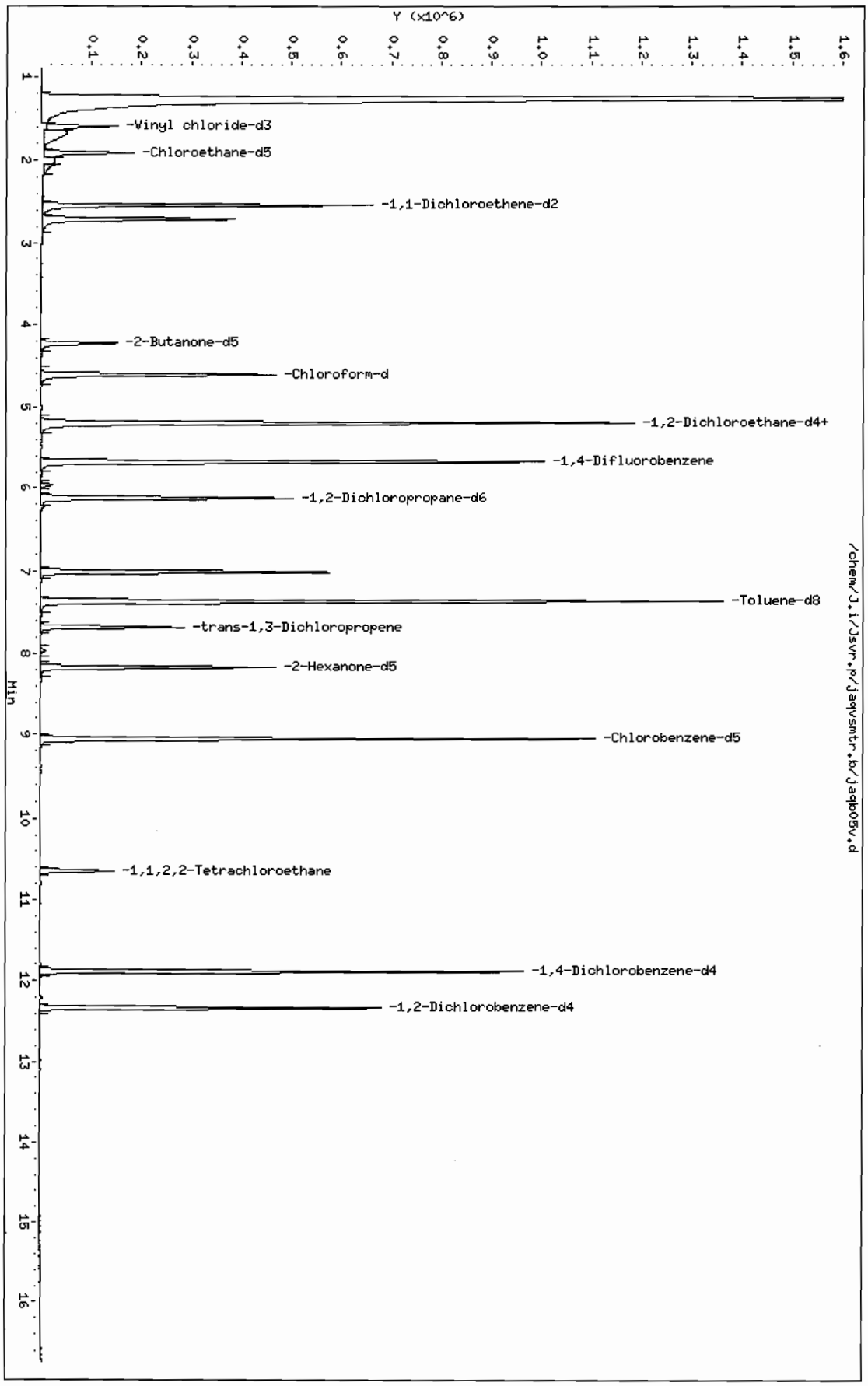
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	67-63-0	Isopropyl Alcohol	2.71	2.2	NJ
02		Unknown	7.01	2.8	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2


Y (x10^6)
0.1
0.2
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0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
Min
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12
13
14
15
16
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.b/jaqvsmtr.b/jaqb05v.d
Data File: /chem/J.i/Jsvr.b/jaqvsmtr.b/jaqb05v.d
Date : 01-MAY-2010 15:44
Client ID: VIBLKJI
Sample Info: JAQB05V
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53

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TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb05v.d
Lab Smp Id: VIBLKJI Client Smp ID: VIBLKJI
Inj Date : 01-MAY-2010 15:44
Operator : JP1 Inst ID: J.i
Smp Info : JAQB05V
Misc Info : VIBLKJI,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	383412	4.96334	5.0
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	301145	5.16874	5.2
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	482797	3.76323	3.8
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	2.597	2.597	(0.458)	3222	1.20658	1.2(aMH)
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.233	(0.745)	229906	45.5179	46
	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	4.604	4.610	(0.811)	458425	4.51276	4.5
	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	5.182	5.182	(0.913)	140649	4.43100	4.4
$	29 Benzene-d6	84	5.194	5.200	(0.574)	1191052	4.66373	4.7
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	939415	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	294904	4.07118	4.1
	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	7.360	7.360	(0.813)	1068657	4.64966	4.6
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.670	(0.847)	195487	4.32310	4.3
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	194357	40.2508	40
	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	9.051	9.051	(1.000)	725730	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	95158	4.32859	4.3
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	298475	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	202737	4.44412	4.4
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).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb05v.d
Lab Smp Id: VIBLKJI Client Smp ID: VIBLKJI
Inj Date : 01-MAY-2010 15:44
Operator : JP1 Inst ID: J.i
Smp Info : JAQB05V
Misc Info : VIBLKJI,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2113739	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Isopropyl Alcohol				CAS #: 67-63-0			
2.706	908936	2.15006745	2.2	86	NIST05.1	290	32
Unknown				CAS #:			
7.013	1171504	2.77116510	2.8	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb05v.d

Date : 01-MAY-2010 15:44

Client ID: VIBLKJI

Instrument: J.i

Sample Info: JAQB05V

Purge Volume: 25.0

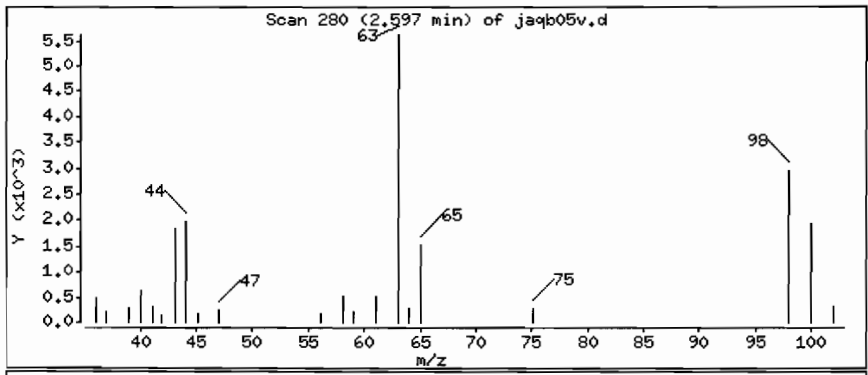
Operator: JP1

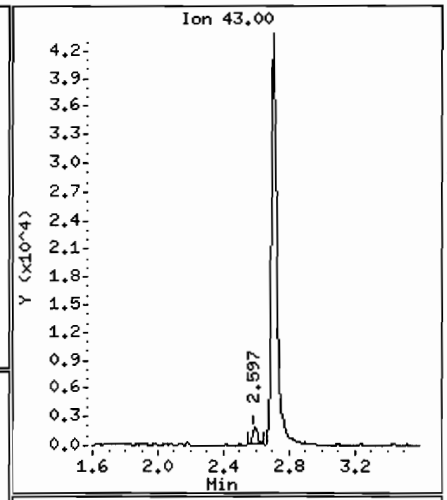
Column phase: DB-624

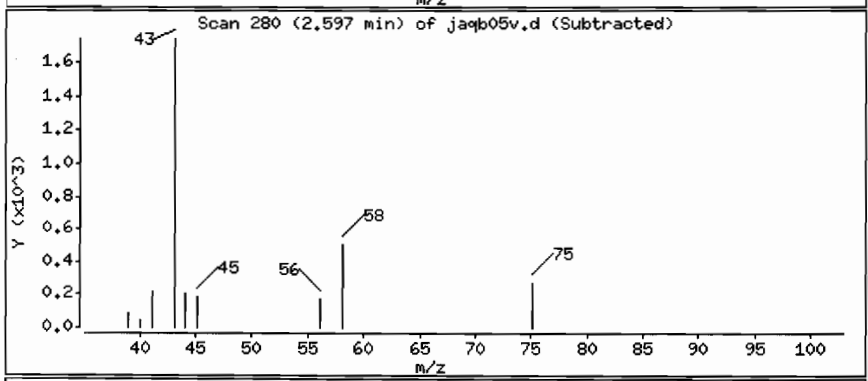
Column diameter: 0.53

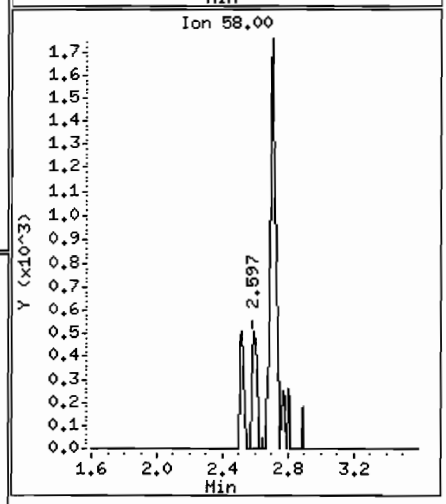
12 Acetone

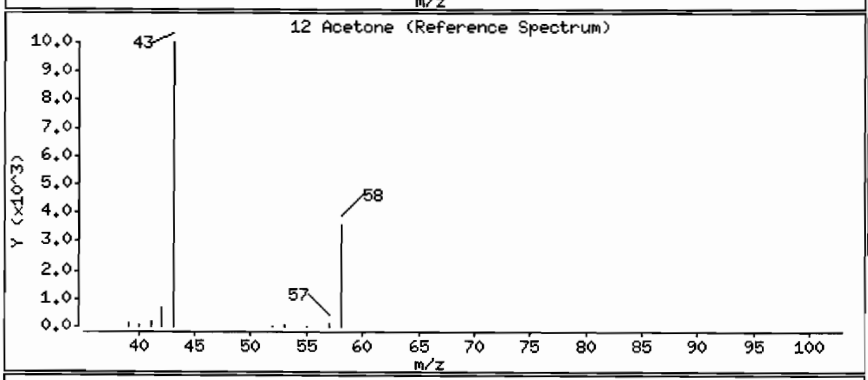
Concentration: 1.2 ug/L

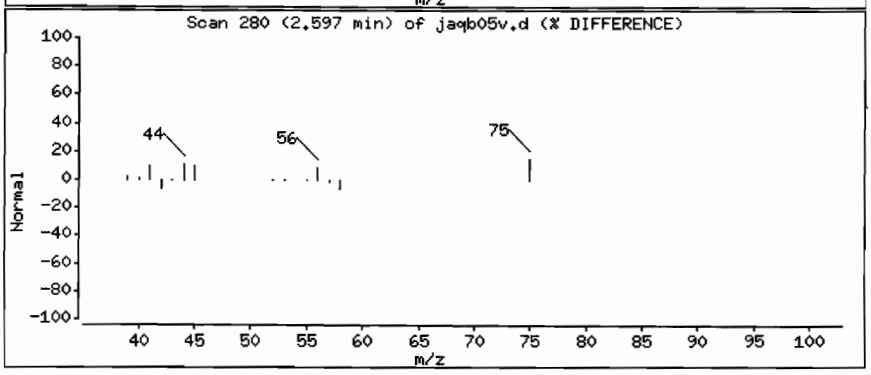












Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb05v.d

Date : 01-MAY-2010 15:44

Client ID: VIBLKJI

Instrument: J.i

Sample Info: JAQB05V

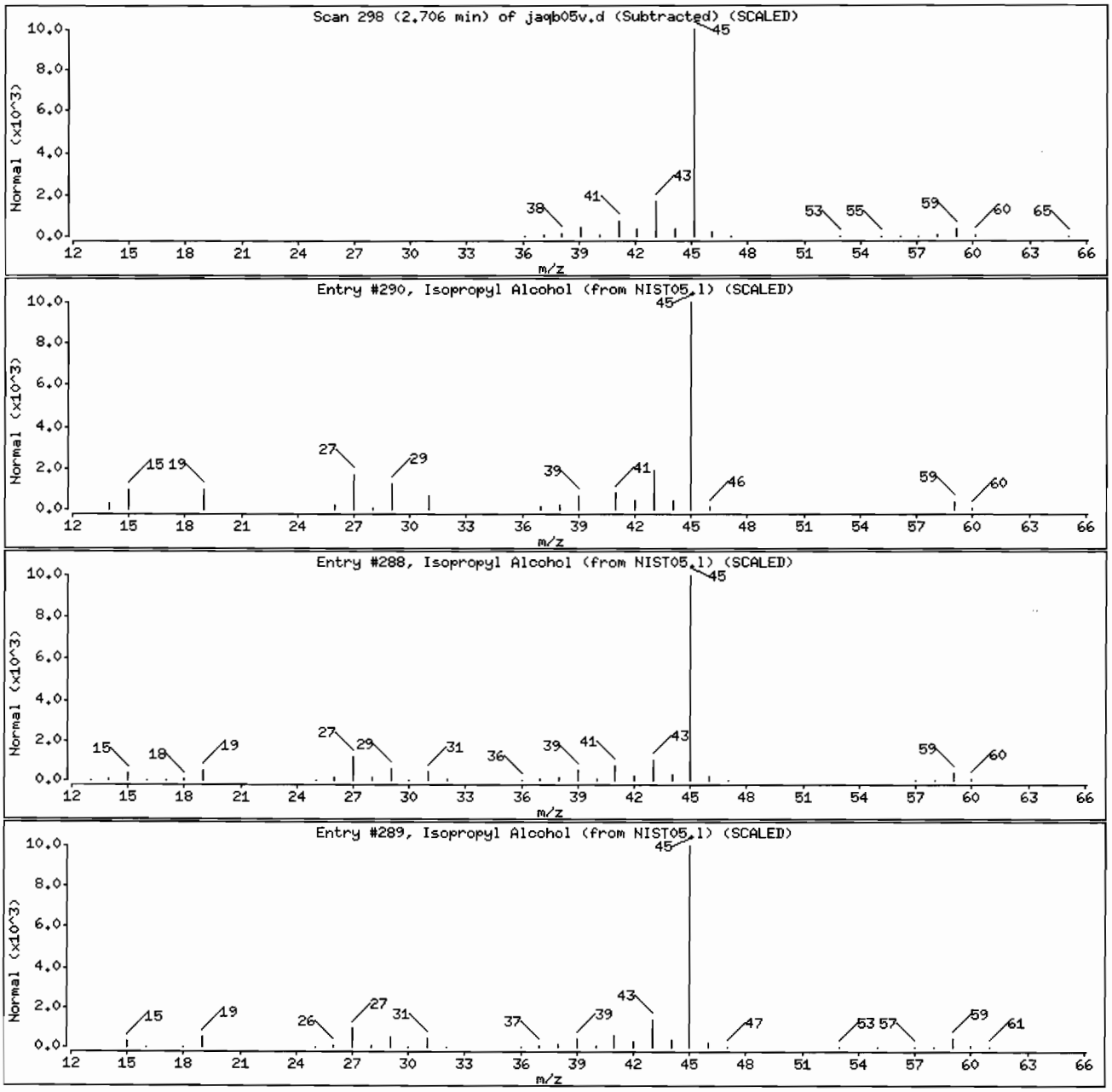
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Isopropyl Alcohol	67-63-0	NIST05.1	290	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	288	86	C3H8O	60
Isopropyl Alcohol	67-63-0	NIST05.1	289	86	C3H8O	60



Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb05v.d

Date : 01-MAY-2010 15:44

Client ID: VIBLKJI

Instrument: J.i

Sample Info: JAQB05V

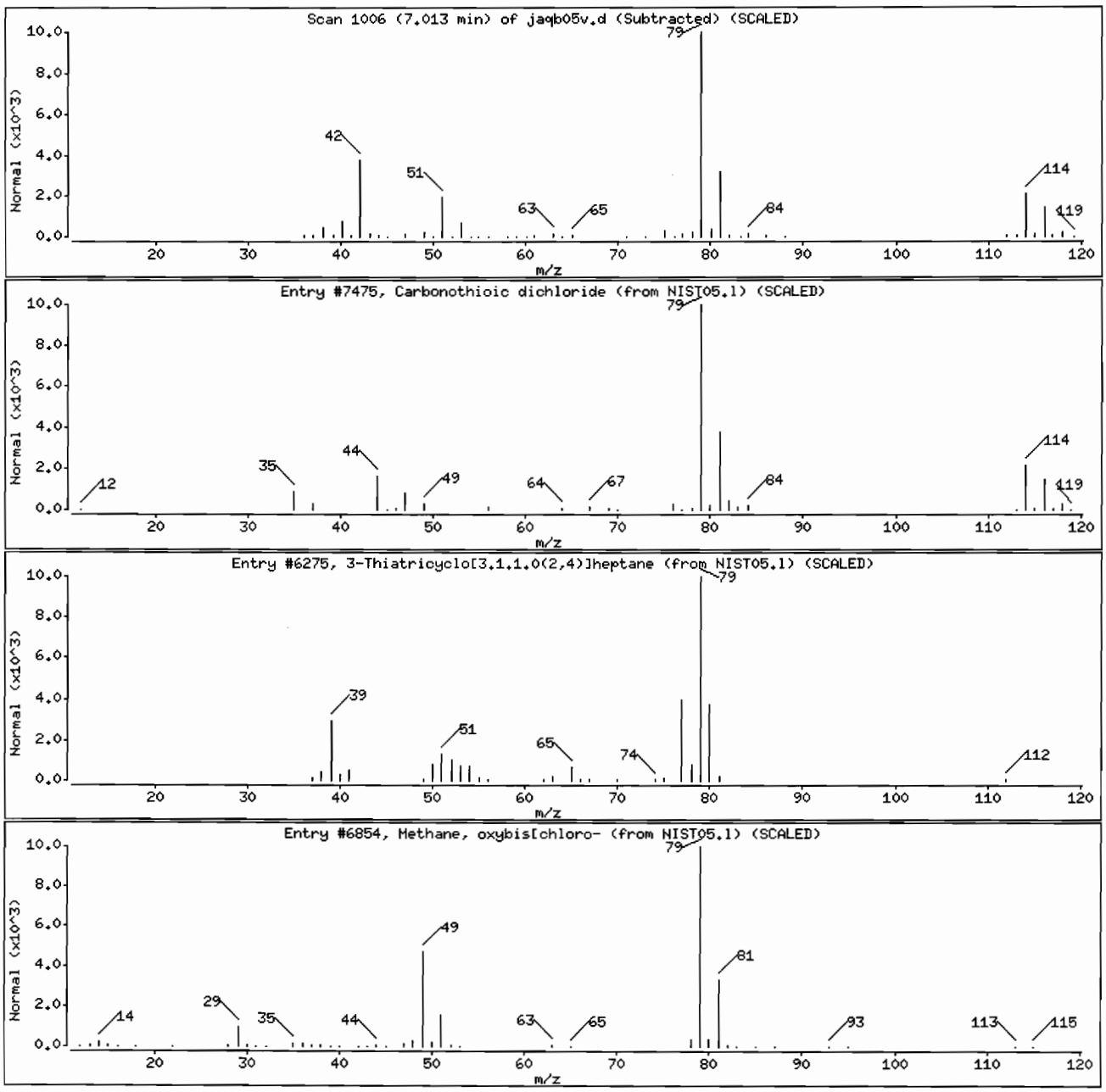
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	58	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	9	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	9	C2H4Cl2O	114

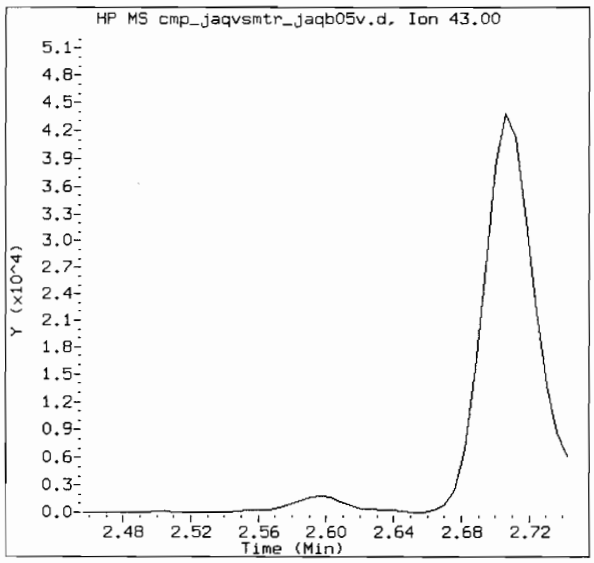


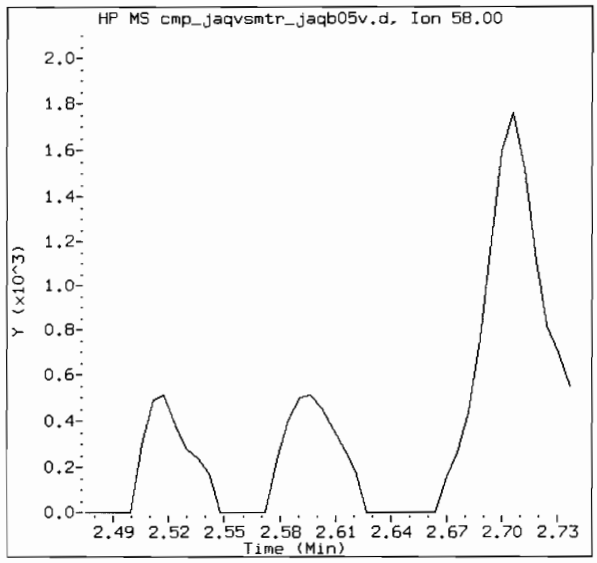
MANUAL INTEGRATION REPORT

Data File Name: jaqb05v.d
Client Sample ID: VIBLKJI
Compound Name: Acetone

Inj. Date and Time: 01-MAY-2010 15:44
Instrument ID: J.i
CAS #: 67-64-1

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/11/2010 11:25

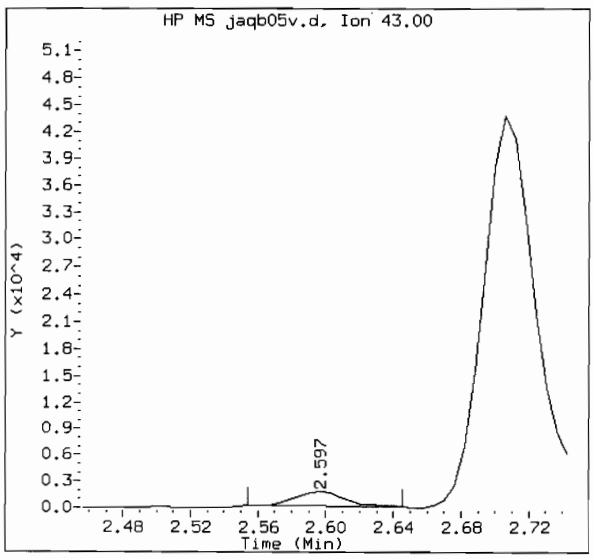


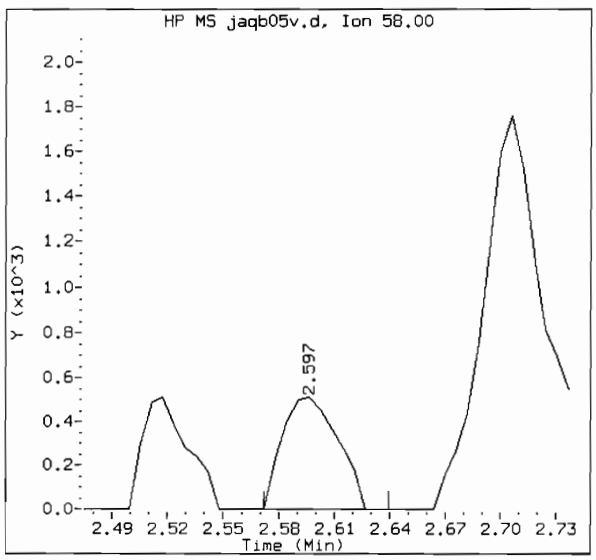


Original Integrations:

Area = 105295

Area = 4179





Final Integrations:

Area = 3222

Area = 1065

Manual Integration Reason: MI1 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJJ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJJ

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB06V

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJJ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJJ

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB06V

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VIBLKJJ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: 137114

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJJ

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAQB06V

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.01	2.7	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb06v.d
Date : 01-MAY-2010 16:43
Client ID: VIBLKJJ
Sample Info: JAQB06V
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Min
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb06v.d

Page 5

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb06v.d
Lab Smp Id: VIBLKJJ Client Smp ID: VIBLKJJ
Inj Date : 01-MAY-2010 16:43
Operator : JP1 Inst ID: J.i
Smp Info : JAQB06V
Misc Info : VIBLKJJ,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.599	1.599	(0.282)	369655	4.86528	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.909	1.909	(0.336)	292252	5.09999	5.1
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.536	2.542	(0.447)	473454	3.75212	3.8
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	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.227	4.233	(0.745)	227363	45.7672	46
	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	4.604	4.610	(0.811)	444081	4.44466	4.4
	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	5.182	5.182	(0.913)	139211	4.45903	4.5
$	29 Benzene-d6	84	5.194	5.200	(0.574)	1162027	4.58582	4.6
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.675	5.675	(1.000)	923964	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.119	6.119	(0.676)	288710	4.01697	4.0
	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	7.360	7.360	(0.813)	1058919	4.64347	4.6
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.670	7.670	(0.847)	187172	4.17173	4.2
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.169	8.169	(0.903)	194049	40.5027	41
	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	9.051	9.051	(1.000)	720074	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.645	10.645	(1.176)	88610	4.06239	4.1
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.886	11.886	(1.000)	294134	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.324	12.324	(1.037)	203931	4.53627	4.5(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

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb06v.d
Lab Smp Id: VIBLKJJ Client Smp ID: VIBLKJJ
Inj Date : 01-MAY-2010 16:43
Operator : JP1 Inst ID: J.i
Smp Info : JAQB06V
Misc Info : VIBLKJJ,050110JD,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jaqvsmtr.b/somtr4.m
Meth Date : 11-May-2010 11:16 cmp Quant Type: ISTD
Cal Date : 05-APR-2010 15:05 Cal File: jaq020v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.675	2092862	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
7.013	1137496	2.71755981	2.7	0		0	32

Data File: /chem/J.i/Jsvr.p/jaqvsmtr.b/jaqb06v.d

Date : 01-MAY-2010 16:43

Client ID: VIBLKJJ

Instrument: J.i

Sample Info: JAQB06V

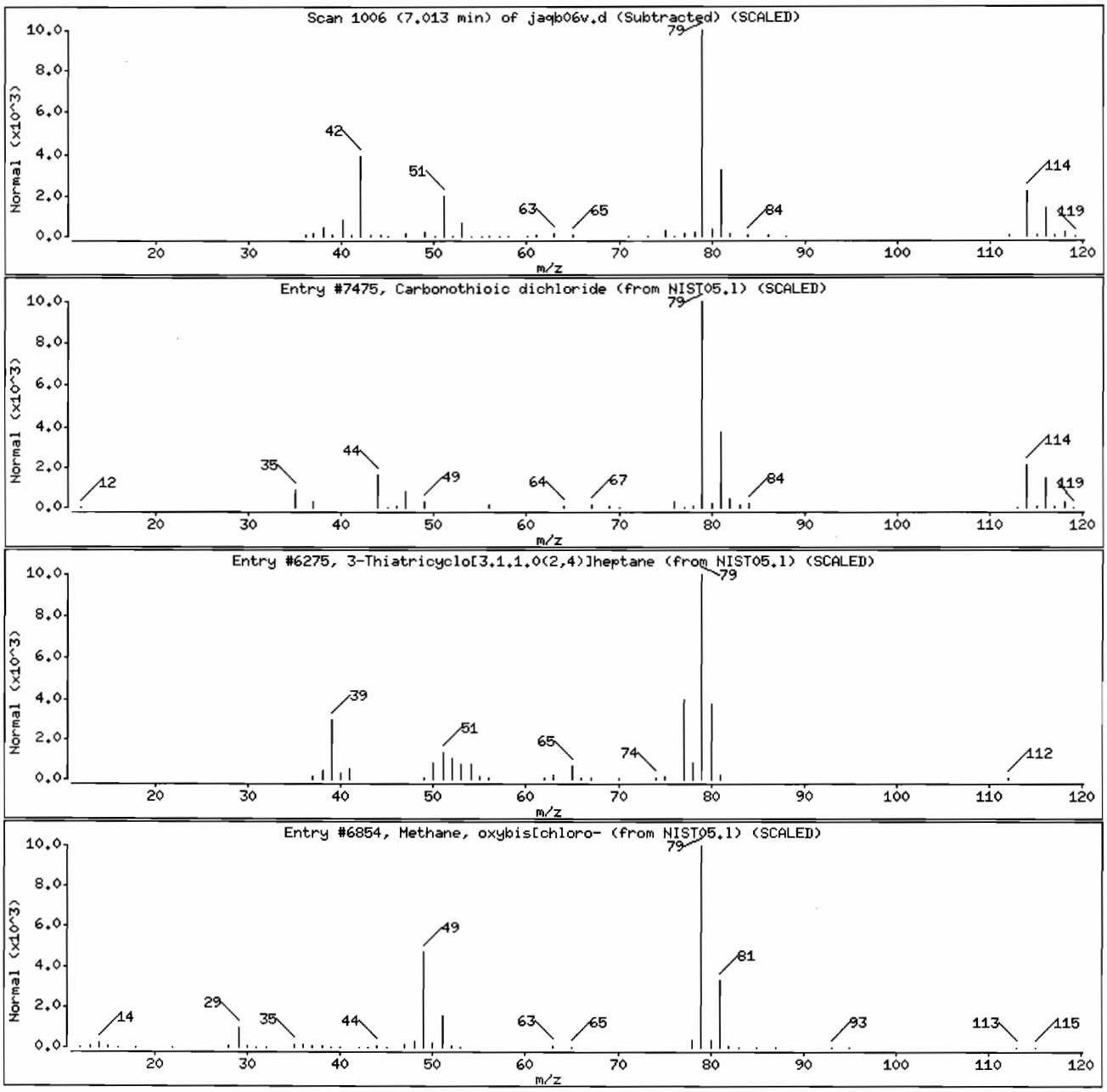
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114





Sample Preparation – SOM01.2 Volatiles – Trace

TestAmerica Burlington - Manual Integration Summary
SDG: jaqsmtr Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename
	Peak RT	Compound			Manual Integration Flag	Analyst Date-Time	Sign-Off
VSTD001JG	VSTD001JG	INIT. CALIB.	J DB-624		05-APR-2010 13:45	JAQ001V	
	1.380	Dichlorodifluoromethane			MI1 - Poor automated baseline	jd1 04/06/10 10:37	JPO 04/06
	1.855	Bromomethane			MI1 - Poor automated baseline	jd1 04/06/10 10:37	

Summary Generated: jd1 04/06/2010 10:56 Secondary Review(1): KLP | 04/06/10 Secondary Review(2): _____ | _____ Page 1

TestAmerica Burlington - Manual Integration Summary
SDG: 137114 Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename
	Peak RT	Compound			Manual Integration Flag	Analyst Date-Time	Sign-Off
VSTD001JG	VSTD001JG	INIT. CALIB.	J	DB-624	05-APR-2010 13:45	JAQ001V	
	1.380	Dichlorodifluoromethane			MI1 - Poor automated baseline	jd1 04/06/10 10:37	
	1.855	Bromomethane			MI1 - Poor automated baseline	jd1 04/06/10 10:37	
VSTD005CJ	VSTD005CJ	CONT. CALIB.	J	DB-624	01-MAY-2010 03:18	JAQ05UC1	
	$ 1.909	Chloroethane-d5			MI1 - Poor automated baseline	jh2 05/01/10 10:24	JAh 5/12
VIBLKJI	VIBLKJI	SAMPLE	J	DB-624	01-MAY-2010 15:44	JAQB05V	
	2.597	Acetone			MI1 - Poor automated baseline	cmp 05/11/10 07:39	cmp 5/12/10

Summary Generated: cmp 05/11/2010 12:53 Secondary Review(1): CMP | 5/12/10 Secondary Review(2): JAh | 5/12/10 Page 1

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: JAQ5MTR	BFB Lot# MV12100901	Instrument: HP5973 Instrument ID: J	109k Tune STD ☐ ~~DRF~~ Summary
Test Method: 5oMTR	ISTD Lot #: MV0402100/	Column Type: Capillary RTX-624	☐ Internal Standard Response
ICAL Date: 4/5/10	Surrogate Lot # MV0325100/	Purge Volume: ☐ 5 mL ☐ 10 mL ☑ 25 mL	☐ RT & Ratios Updated
Start Date: 4/5/10 Time: 1223	CAL STD Lot # MV0325100Z		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 4/6/10 Time: 0023	LCS/MS Lot #		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
1223	JAQ01PV	BFBJG	NA		JH2	✓	✓	✓	JP1	
1251	JAQB01	IBLK				✓	✓	✓		
1318	JAQ0005V	VSTD0005JG				✓	✓	✓		
1345	JAQ001V	VSTD001JG				✓	✓	✓		
1412	JAQ005V	VSTD005JG				✓	✓	✓		
1438	JAQ010V	VSTD010JG				✓	✓	✓		
1505	JAQ020V	VSTD020JG				✓	✓	✓		
1532	JAQBJ2	IBLK				✓	✓	✓		
1600	JAQB03	VBLK JG				✓	✓	✓		
1645	823846D3	136514	A5	22ml	JP1	✓	✓	✓		C
1712	JAQB04	VIBLKJB	NA			✓	✓	✓		
1739	823848D3	136514	A6	25ml		↑	✓	✓		C more conc
18016	JAQB05	VIBLKJC	NA			✓	✓	✓		
1834	823857	136514	A4	100%		✓	✓	✓		C more conc.
1900	JAQB06	VIBLKJD	NA			✓	✓	✓		
1927	823858	136514	A3	100%		✓	✓	✓		C VHBLK
1954	JAQ005C1	VSTD005GJ	NA			✓	✓	✓		good closing
	JAQ005C2									

04/05/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks	
Batch ID:	JAQV5mTR	BFB Lot#	MV12100901	Instrument: HP5973	Instrument ID: J	130K Tune STD	☐ RF Summary
Test Method:	5am TRACE	ISTD Lot #:	MV0427100 1	Column Type: Capillary	RTX-624	☑ Internal Standard Response	
ICAL Date:	4/5/10	Surrogate Lot #	MV0421100 1	Purge Volume:	☐ 5 mL ☐ 10 mL ☑ 25 mL	☑ RT & Ratios Updated	
Start Date:	4/30/10 Time: 1626	CAL STD Lot #	MV0424100 1			☑ Batch MS/MSD was not performed due to insufficient sample volume	
End Date:	5/1/10 Time: 0426	LCS/MS Lot #					

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	Checklist ✓
1626	JAQ35PV	BFBJC	NA		JP1	NA		✓	JP1	
1647	JAQ005UV	VSTD005JC				✓	✓	✓		Primary + TICS + Checklist
1716	JAQBO1U	VBLKJC				✓	✓	✓		
1803	828149	137071	A2	100%		✓	✓	✓		C
1837	828151					✓	✓	✓	JTh	C
1901	828153					✓	✓	✓		C
1931	828155					✓	✓	✓		C
2001	828157					✓	✓	✓		C
2030	828159					↓1	✓	✓		C ↓1,2 DCP
2059	828161					✓	✓	✓		C
2128	JAQBO2U	VIBLKJE	NA			✓	✓	✓		C
2157	828162	137071	A2	100%		✓	✓	✓		C HB
2226	828424	137114				✓	✓	✓		C TB
2255	828428					✓	✓	✓		C TB
2324	828423					✓	✓	✓		C
2353	828421D			960 ml		✓	✓	✓		C TCE 530
0022	828422D			2 ml		✓	✓	↓		R too dilute TCE 170 90ppb o.c.
0052	828425D			470 ml		✓	✓	↓		R too dilute TCE 920 90ppb o.c.
0121	828426D			1.7 ml		✓	✓	✓		C TCE 270
0150	828427D			1.6 ml		✓	✓	✓		C TCE 280
0220	828421D2			1.2 ml		✓	✓	✓		C more Conc TCE 490
0249	JAQBO3U	VIBLKJF	NA			✓	✓	✓		C
0318	JAQ05UC1	VSTD005CJ				✓	✓	✓		C Good Closing
0348	JAQ05UC2					—	—	—	✓	not needed

JTh 5/1/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: JAQV SMTR	BFB Lot# MU2100901	Instrument: HP5973 Instrument ID: J	156 K Tune STD ~~BFB~~ RF Summary
Test Method: SOMTR	ISTD Lot #: MV 0427100 1	Column Type: Capillary RTX-624	~~Internal~~ Standard Response
ICAL Date: 4/5/10	Surrogate Lot # MV042111001	Purge Volume: ☐ 5 mL ☐ 10 mL ☑ 25 mL	~~RRT~~ & Ratios Updated
Start Date: 5/1/10 Time: 0949	CAL STD Lot # MV042410001		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 5/1/10 Time: 2149	LCS/MS Lot #		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
0937	JAQ36 PV	BFB JD	NA		JHL	—	—	↓	JHL	check KIs ✓
0949	JAQ37 PV	BFB JD				—	—	✓		
1013	JAQBO1V	IBLK				—	—	—		
1041	JAQ005VV	VSTD005JD				✓	✓	✓		
1110	JAQBO2V	VBLK JD				✓	✓	✓		
1159	828426 D2	137114	A2	20.6 mL		↓4	✓	✓		prim review RME TCE 270
1227	JAQBO3V	VIBLK JG	—	—		✓	✓	✓		
1256	828427 D2	137114	A2	19.5 mL		✓	✓	✓		C TCE 280
1324	JAQBO4V	VIBLK JH	—	—		✓	✓	✓		
1417	828422 D2	137114	A3	3.1 mL		✓	✓	✓		C TCE 240
1445	828425 D2			575 mL		✓	✓	✓		C TCE 1000
1514	828422 D3			38 mL		↓1 ✓	✓	✓	JP1	C M.C. TCE=240
1544	JAQBO5V	VIBLK JI	—	—		✓	✓	✓		
1614	828425 D3	137114	A3	6.6 mL		↓1	✓	✓		C M.C TCE=980
1643	JAQBO6V	VIBLK JJ	—	—		✓	✓	✓		
1712	828426 D3	137114	A3	20.0 mL		↓1	✓	✓		C M.C. TCE = 240 1100-C.
1741	JAQBO7V	VIBLK JK	—	—		↓1	✓	✓		
1811	JAQ009C1	VSTD005DJ	NA			✓	✓	✓		good closing
1840	JAQ09C2	VSTD005DJ				✓	✓	✓		not needed

5/3/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: JAQ1455MTR	BFB Lot# MV12100901	Instrument: HP5973 Instrument ID: J	~~LOZK~~ Tune STD ☒ ~~RF~~ Summary
Test Method: 5035TR	ISTD Lot #: MV05031001	Column Type: Capillary RTX-624	☐ Internal Standard Response
ICAL Date: 4/15/10	Surrogate Lot # MV04211001	Purge Volume: ☐ 5 mL ☐ 10 mL ☒ ~~25~~ mL	☒ ~~RT~~ & Ratios Updated
Start Date: 5/3/10 Time: 0727	CAL STD Lot # MV04291001		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 5/3/10 Time: 1927	LCS/MS Lot #		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
/	JAQ38PV	BFB JE	NA		JH	—	—	↓	JH	Check list ✓
/	JAQ39PV	↓			↓	—	—	↓	↓	
/	JAQ40PV					—	—	↓		
0727	JAQ41PV					—	—	✓		
0749	JAQB01W	IBLK				—	—	—		
0817	JAQB02W	IBLK				—	—	—		
0846	JAQ005WV	VSTD005 JE				✓	✓	✓	JP1	
0916	JAQB03W	VBLK JE				✓	✓	✓		
0958	828493	137129	A3	100%	JP1	✓	✓	✓		C more conc PCE=78 primer peak TICs
1027	JAQB04W	VIBLKJL	NA			✓	✓	✓		
1055	828487	137129	A2	100%		✓	✓	✓		C
1124	828488					✓	✓	✓		C
1153	828489					✓	✓	✓		C
1223	828490					✓	✓	✓		C
1252	828491					✓	✓	✓		C
1321	828492					✓	✓	✓		C
1350	828494					✓	✓	✓		C
1419	JAQB05W	VIBLKJM	NA			✓	✓	✓		
1448	828429	137114	A1	100%		✓	✓	✓		C HB
1517	828493d	137129	A2	6.6 ml		✓	✓	✓		C PCE=67 - 10 o.c.
1601	JAQB06W	VIBLKJN	NA			✓	✓	✓		
1630	828495	137129	A2	100%		✓	✓	✓		C HB
1658	JAQ05WC1	VSTD005EJ	NA			✓	✓	✓		good closing not needed
1728	JAQ05WC2	↓				✓	✓	✓		
1757	493TestA	NA	A2	6.6 ml		—	—	—		PCE=61 - 9%
1827	493TestB	↓	↓	25 ml		✓	✓	✓		PCE=59 32 o.c. more conc.
										JP1 5/4/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

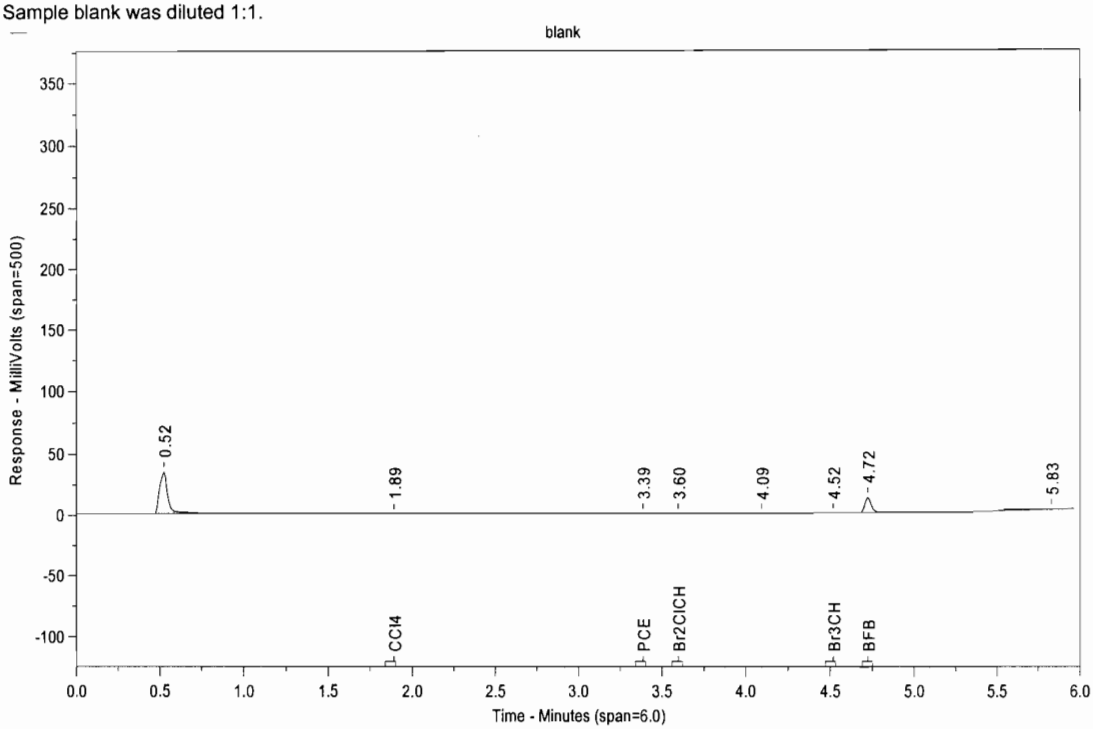
VOLATILE WATER SAMPLE PRESERVATION LOG

Date	Analyst	SDG	ETR	Lab ID	Bottle Code	pH (pH units)	Test Method	Hold Time[1] (days)
4-30-10	T.J.	137098	137098	828315	AL	<2	8260B LW	5-12
				316				
				317				
				318				
				319				
				320				
4-30-10	T.J.	137114	137114	828421	AL	<2	8260B.2 TR	5-10
				422				
				423				
				424				
				425				
				426				
				427				
				428				
				429				

1 For test methods other than CLP, if pH is ≤ 2, hold time is 14 days from date of collection. If pH is > 2, the hold time is 7 days from date of collection. For CLP, hold time is 10 days from validated time of sample receipt (VTSR).

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaE043010.0042.RAW
Acquired from Instrument 1 on 4/30/10 3:32:55 PM by
Sample blank was diluted 1:1.

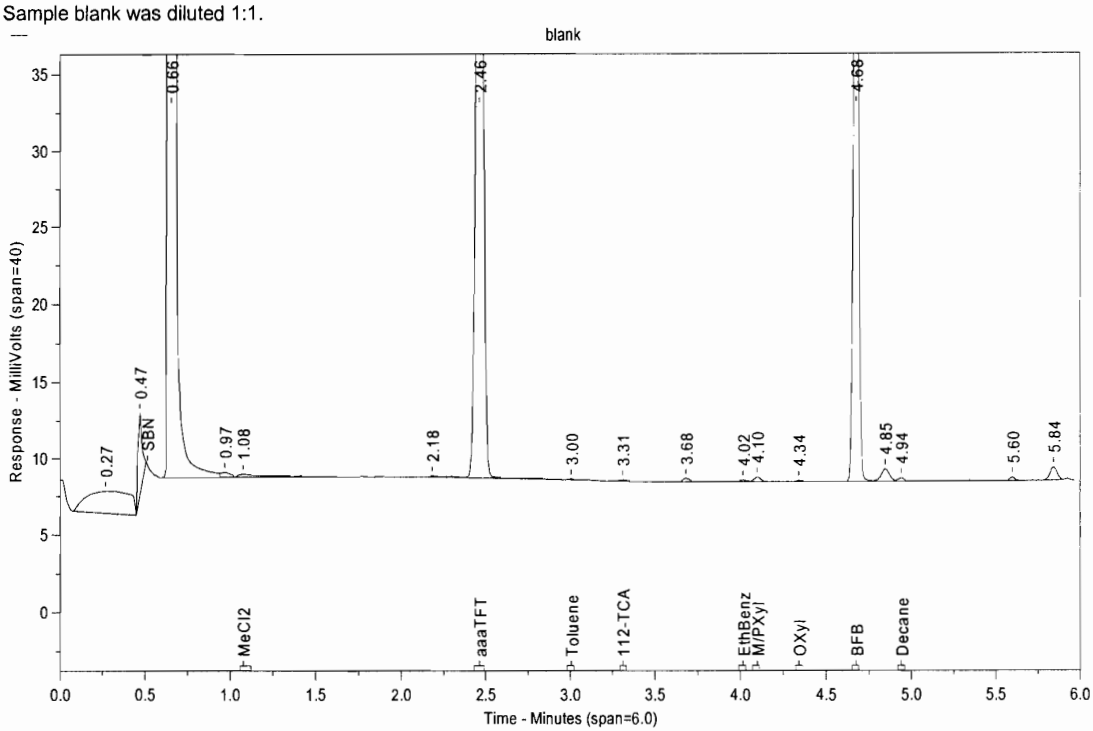


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	34196.24	4.09		0	28.24
1.89	CCl4	0	63.44	4.52	Br3CH	0	52.69
3.39	PCE	0	24.48	4.72	BFB	624	12732.55
3.60	Br2ClCH	0	18.98	5.83		0	375.27

Surrogate BFB recovery is 155.9%

Sample Name: blank

Data File: C:\CPSpirit5\Data2\VoaF043010.0042.RAW
Acquired from Instrument 1 on 4/30/10 3:32:55 PM by
Sample blank was diluted 1:1.

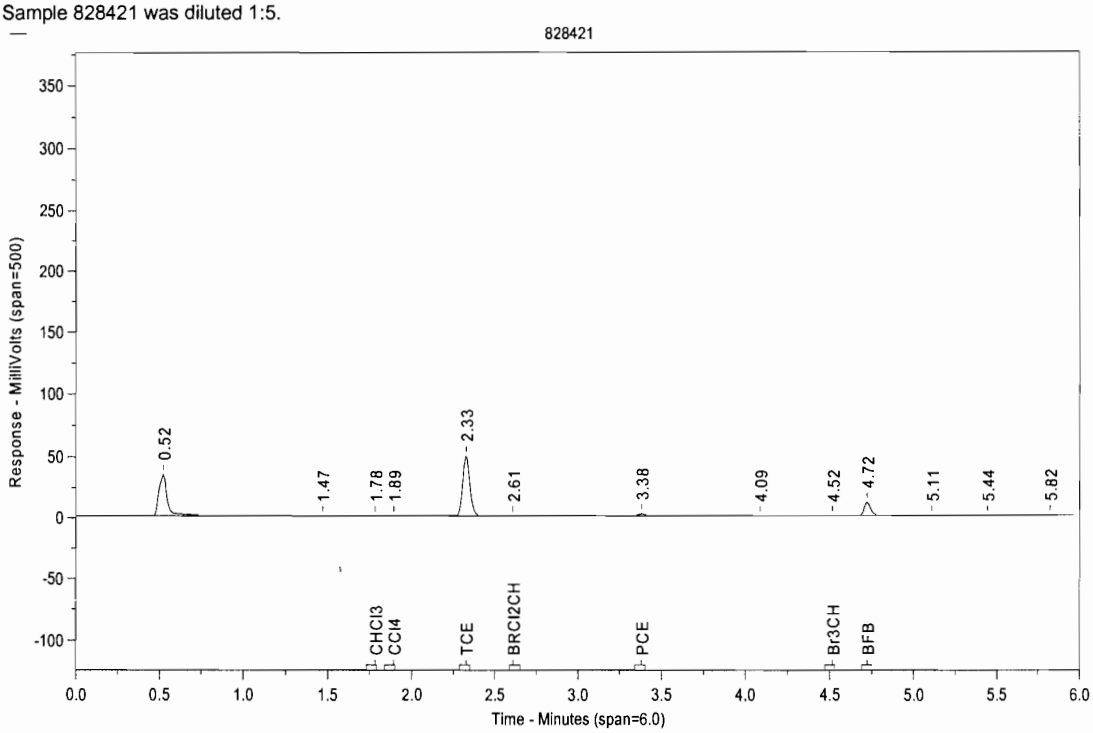


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1444.81	3.68		0	245.73
0.47		0	5262.14	4.02	EthBenz	0	113.30
0.66		0	627211.56	4.10	M/PXyl	0	308.02
0.97		0	357.94	4.34	OXyl	0	91.87
1.08	MeCl2	2	215.99	4.68	BFB	521	53486.25
2.18		0	78.38	4.85		0	853.01
2.46	aaaTFT	439	55303.91	4.94	Decane	1	231.23
3.00	Toluene	0	79.13	5.60		0	239.83
3.31	112-TCA	-4	82.33	5.84		0	880.09

Surrogate aaaTFT recovery is 109.7%
Surrogate BFB recovery is 130.3%

Sample Name: 828421

Data File: C:\CPSpirit5\Data2\VoaE043010.0043.RAW
Acquired from Instrument 1 on 4/30/10 3:44:02 PM by
Sample 828421 was diluted 1:5.

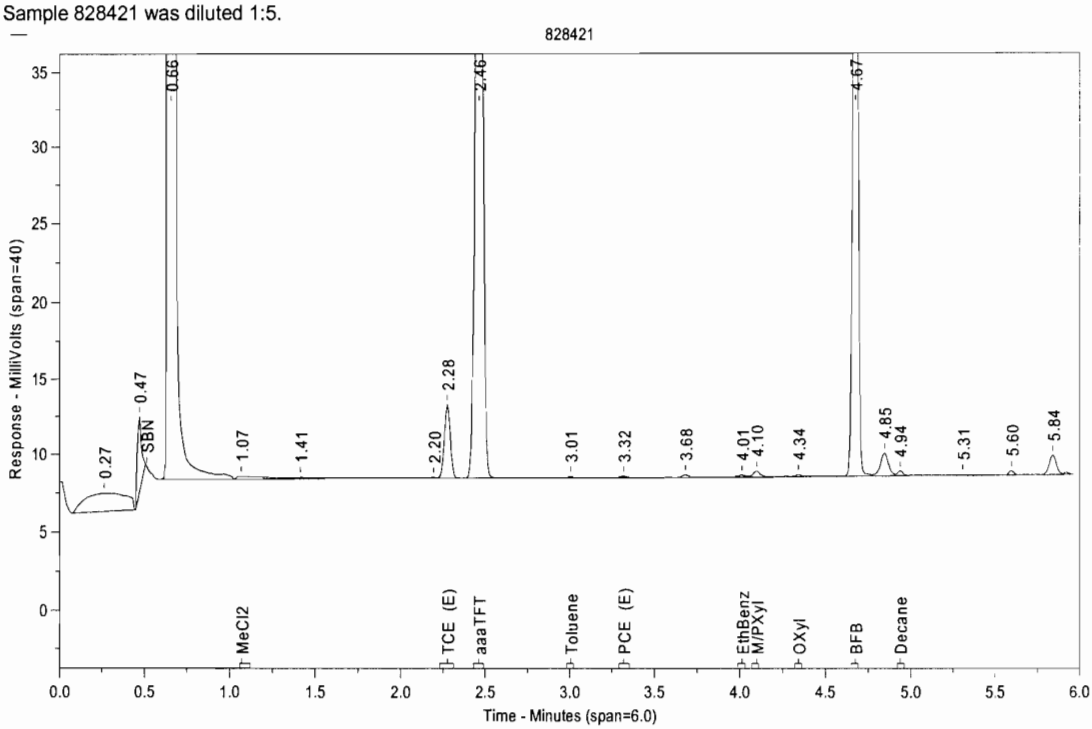


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	34310.82	4.09		0	25.01
1.47		0	58.36	4.52	Br3CH	0	32.25
1.78	CHCl3	0	47.20	4.72	BFB	2678	11154.24
1.89	CCl4	0	81.72	5.11		0	3.47
2.33	TCE	552	49457.63	5.44		0	36.49
2.61	BRCl2CH	0	58.33	5.82		0	63.78
3.38	PCE	4	1567.65				

Surrogate BFB recovery is 133.9%

Sample Name: 828421

Data File: C:\CPSpirit5\Data2\VoaF043010.0043.RAW
Acquired from Instrument 1 on 4/30/10 3:44:02 PM by
Sample 828421 was diluted 1:5.

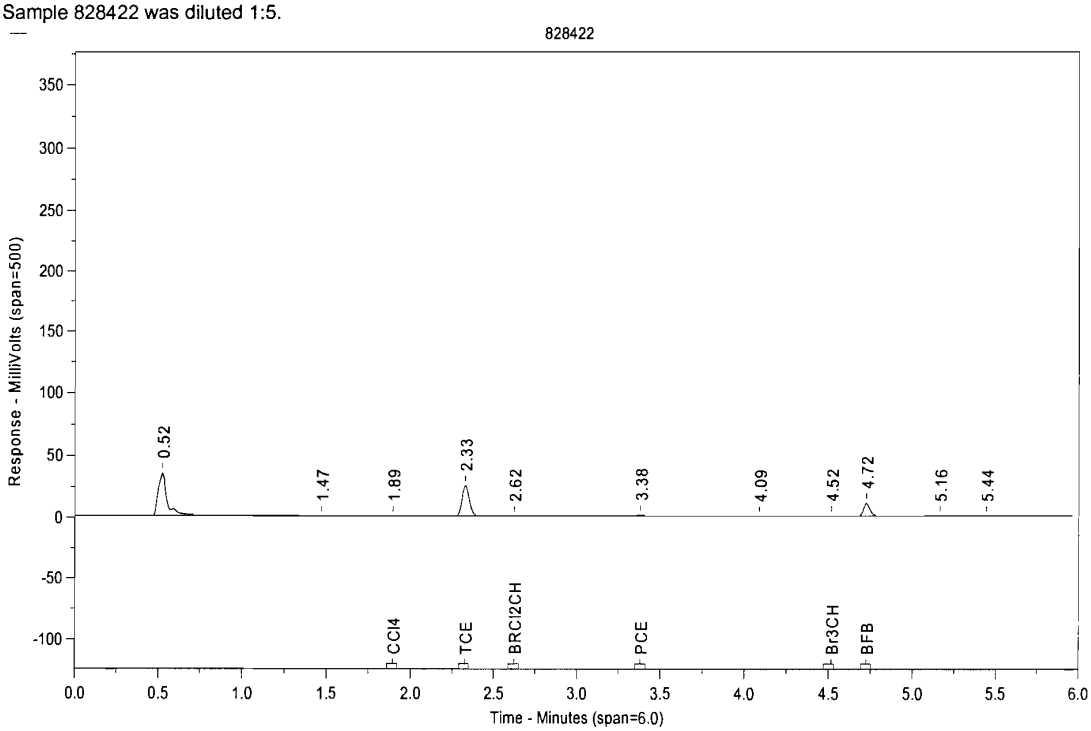


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1181.64	3.68		0	193.44
0.47		0	4894.49	4.01	EthBenz	2	140.93
0.66		0	628336.44	4.10	M/PXyl	2	377.27
1.07	MeCl2	9	216.91	4.34	OXyl	1	144.33
1.41		0	114.98	4.67	BFB	2707	55574.30
2.20		0	53.70	4.85		0	1485.01
2.28	TCE (E)	501	4860.95	4.94	Decane	5	298.84
2.46	aaaTFT	2270	57241.43	5.31		0	72.61
3.01	Toluene	2	91.74	5.60		0	277.26
3.32	PCE (E)	10	106.91	5.84		0	1272.56

Surrogate aaaTFT recovery is 113.5%
Surrogate BFB recovery is 135.4%

Sample Name: 828422

Data File: C:\CPSpirit5\Data2\VoaE043010.0044.RAW
Acquired from Instrument 1 on 4/30/10 3:55:17 PM by
Sample 828422 was diluted 1:5.

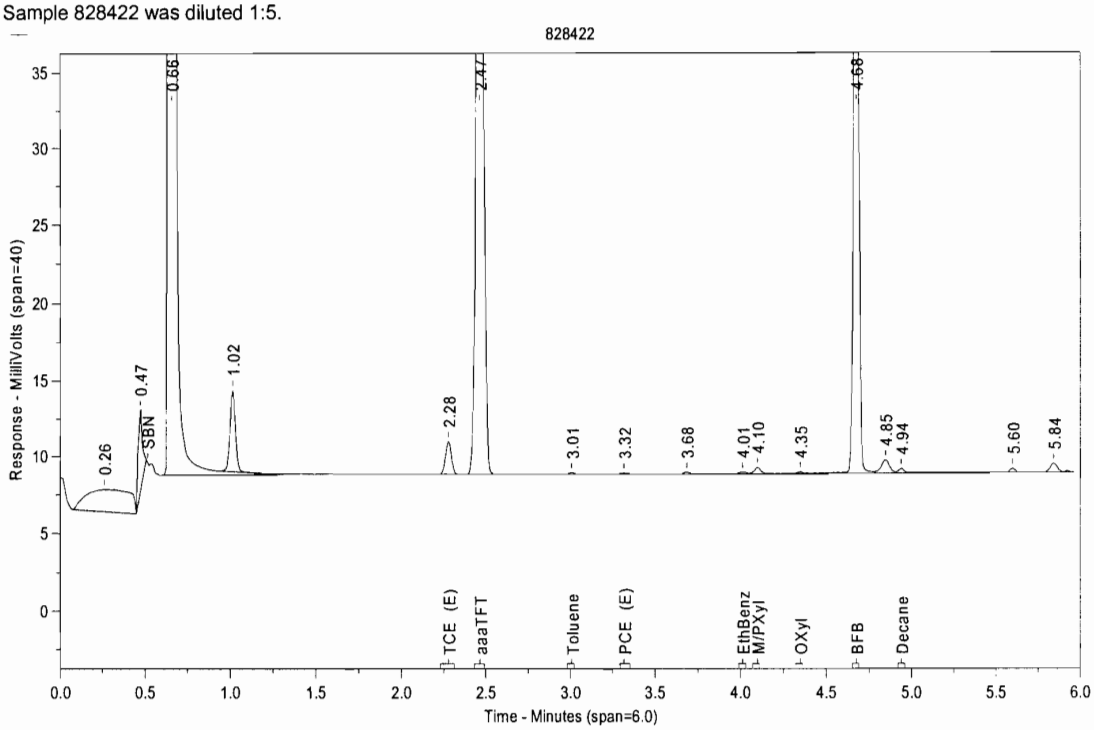


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	34500.64	4.09		0	25.92
1.47		0	75.13	4.52	Br3CH	0	30.51
1.89	CCl4	0	90.53	4.72	BFB	2472	10402.54
2.33	TCE	258	24914.47	5.16		0	4.28
2.62	BRCl2CH	0	61.14	5.44		0	31.12
3.38	PCE	2	899.60				

Surrogate BFB recovery is 123.6%

Sample Name: 828422

Data File: C:\CPSpirit5\Data2\VoaF043010.0044.RAW
Acquired from Instrument 1 on 4/30/10 3:55:17 PM by
Sample 828422 was diluted 1:5.

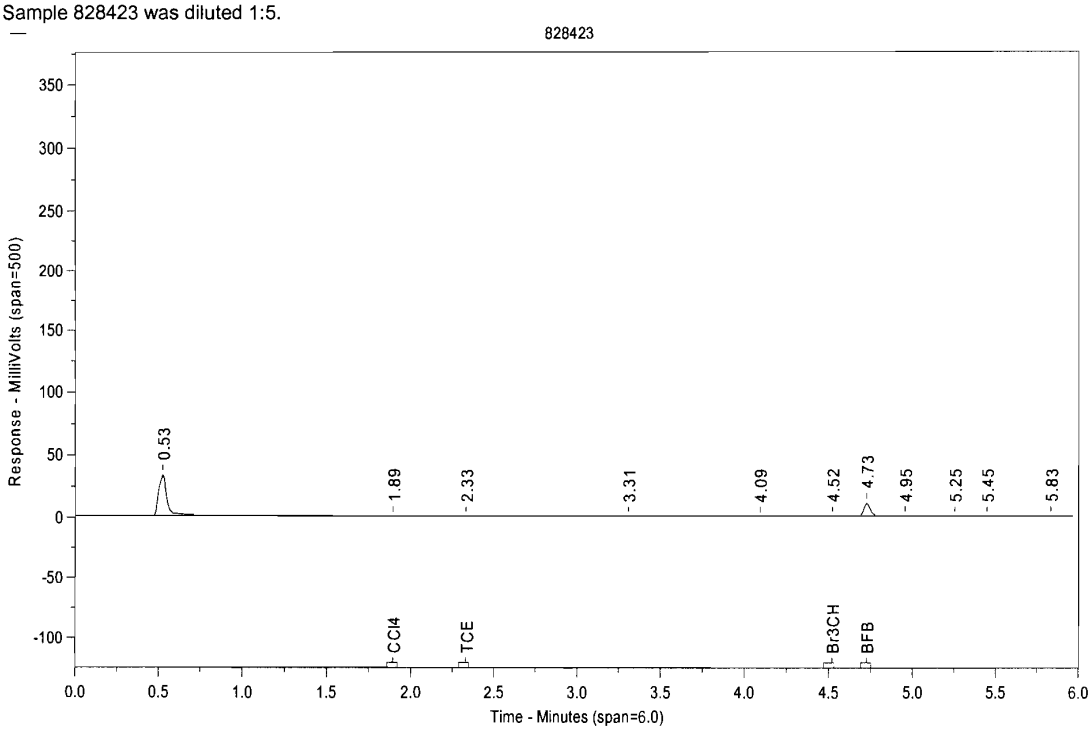


RT	Name	Amount	Height	RT	Name	Amount	Height
0.26		0	1432.32	4.01	EthBenz	2	139.35
0.47		0	5344.61	4.10	M/PXyl	3	429.38
0.66		0	600671.94	4.35	OXyl	1	134.54
1.02		0	5417.53	4.68	BFB	2508	51480.09
2.28	TCE (E)	224	2183.47	4.85		0	897.18
2.47	aaaTFT	2092	52748.38	4.94	Decane	6	319.15
3.01	Toluene	3	124.53	5.60		0	281.72
3.32	PCE (E)	10	97.52	5.84		0	603.76
3.68		0	154.51				

Surrogate aaaTFT recovery is 104.6%
Surrogate BFB recovery is 125.4%

Sample Name: 828423

Data File: C:\CPSpirit5\Data2\VoaE043010.0045.RAW
Acquired from Instrument 1 on 4/30/10 4:06:33 PM by
Sample 828423 was diluted 1:5.

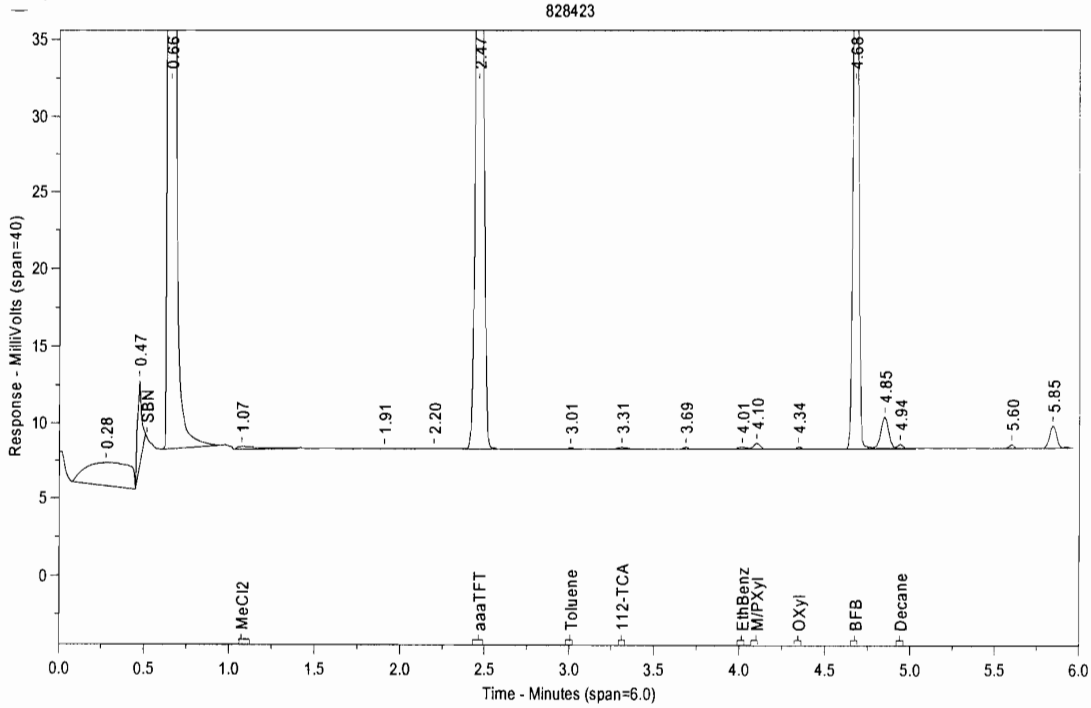


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	32636.76	4.73	BFB	2570	10762.01
1.89	CCl4	0	100.93	4.95		0	42.44
2.33	TCE	1	100.13	5.25		0	18.78
3.31		0	45.25	5.45		0	33.17
4.09		0	45.39	5.83		0	41.42
4.52	Br3CH	0	46.52				

Surrogate BFB recovery is 128.5%

Sample Name: 828423

Data File: C:\CPSpirit5\Data2\VoaF043010.0045.RAW
Acquired from Instrument 1 on 4/30/10 4:06:33 PM by
Sample 828423 was diluted 1:5.

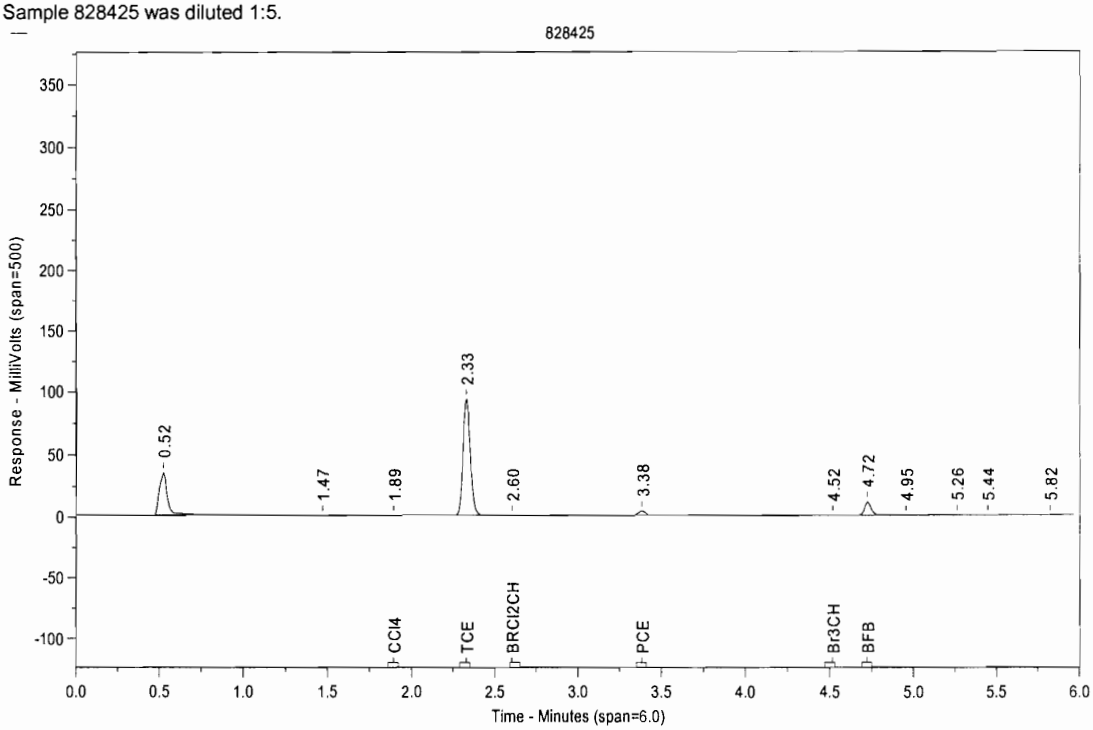


RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1548.60	3.69		0	131.09
0.47		0	5641.15	4.01	EthBenz	2	139.78
0.66		0	599799.75	4.10	M/PXyl	3	405.81
1.07	MeCl2	3	182.37	4.34	OXyl	1	132.49
1.91		0	49.15	4.68	BFB	2568	52711.83
2.20		0	43.62	4.85		0	2119.30
2.47	aaaTFT	2176	54861.75	4.94	Decane	5	279.88
3.01	Toluene	2	90.36	5.60		0	278.38
3.31	112-TCA	-7	121.61	5.85		0	1519.36

Surrogate aaaTFT recovery is 108.8%
Surrogate BFB recovery is 128.4%

Sample Name: 828425

Data File: C:\CPSpirit5\Data2\VoaE043010.0046.RAW
Acquired from Instrument 1 on 4/30/10 4:18:10 PM by
Sample 828425 was diluted 1:5.

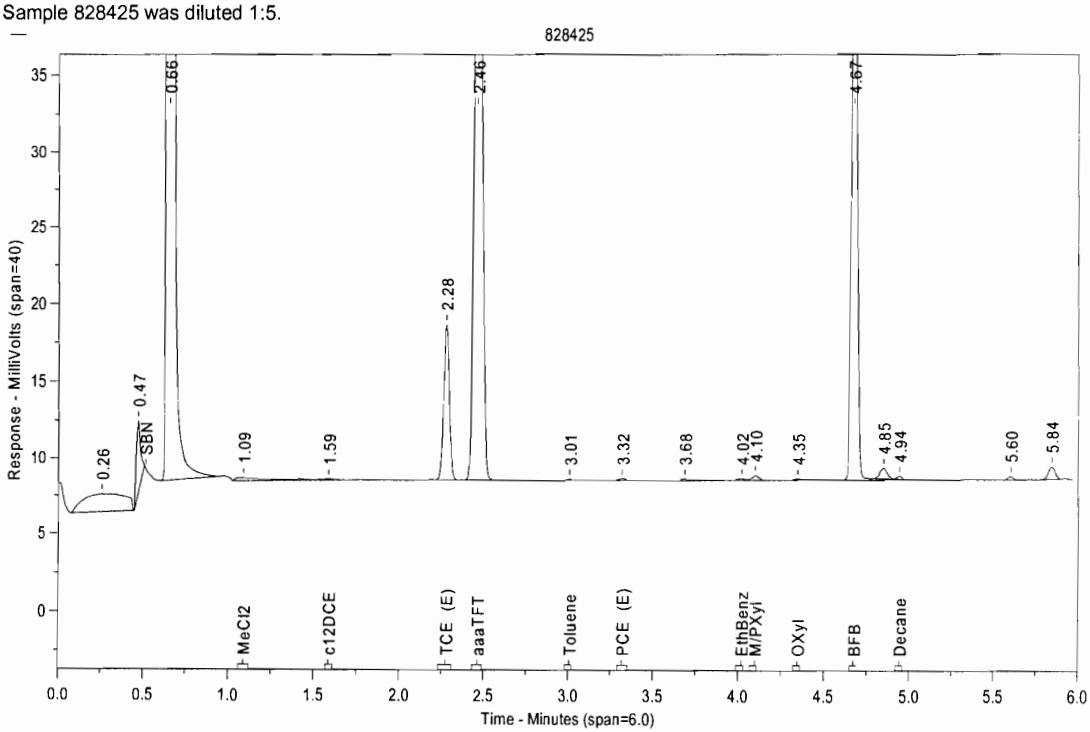


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	34594.27	4.52	Br3CH	0	33.82
1.47		0	61.48	4.72	BFB	2568	10755.65
1.89	CCl4	0	109.06	4.95		0	34.29
2.33	TCE	1122	93824.45	5.26		0	15.14
2.60	BRCl2CH	0	60.69	5.44		0	33.00
3.38	PCE	8	3514.86	5.82		0	62.92

Surrogate BFB recovery is 128.4%

Sample Name: 828425

Data File: C:\CPSpirit5\Data2\VoaF043010.0046.RAW
Acquired from Instrument 1 on 4/30/10 4:18:10 PM by
Sample 828425 was diluted 1:5.

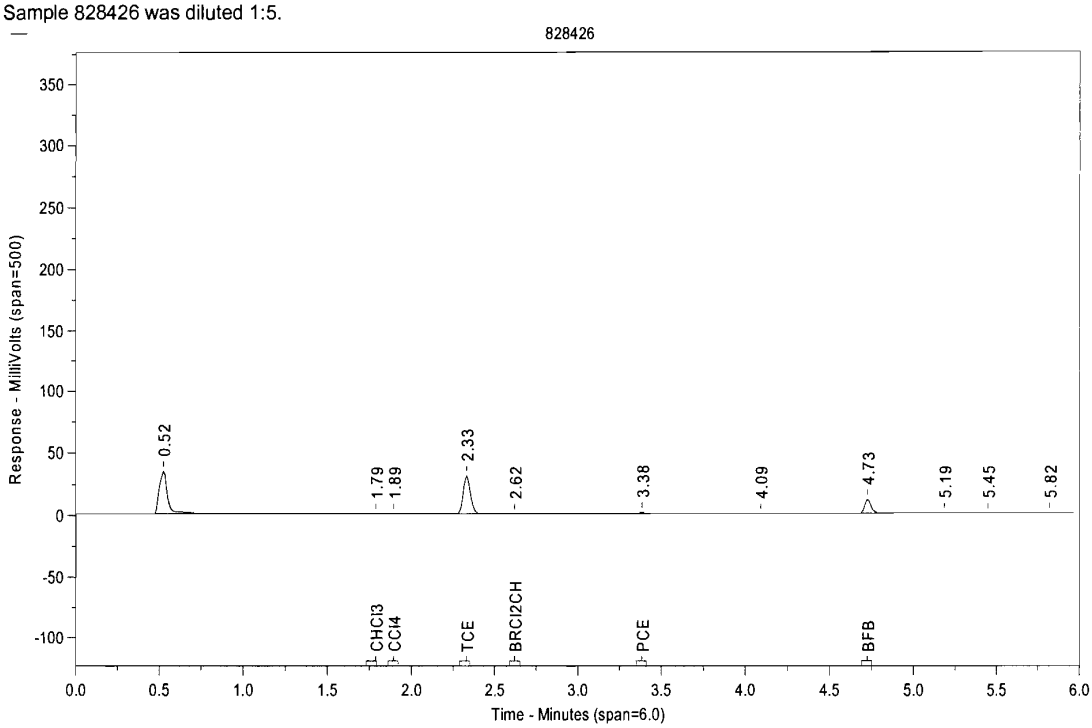


RT	Name	Amount	Height	RT	Name	Amount	Height
0.26		0	1201.54	3.68		0	125.53
0.47		0	4791.14	4.02	EthBenz	1	125.13
0.66		0	598299.88	4.10	M/PXyl	1	330.83
1.09	MeCl2	9	220.65	4.35	OXyl	0	112.29
1.59	c12DCE	4	76.82	4.67	BFB	2582	53010.19
2.28	TCE (E)	1052	10203.14	4.85		0	720.88
2.46	aaaTFT	2192	55267.64	4.94	Decane	4	223.55
3.01	Toluene	2	89.75	5.60		0	236.65
3.32	PCE (E)	11	120.38	5.84		0	837.13

Surrogate aaaTFT recovery is 109.6%
Surrogate BFB recovery is 129.1%

Sample Name: 828426

Data File: C:\CPSpirit5\Data2\VoaE043010.0047.RAW
Acquired from Instrument 1 on 4/30/10 4:29:31 PM by
Sample 828426 was diluted 1:5.

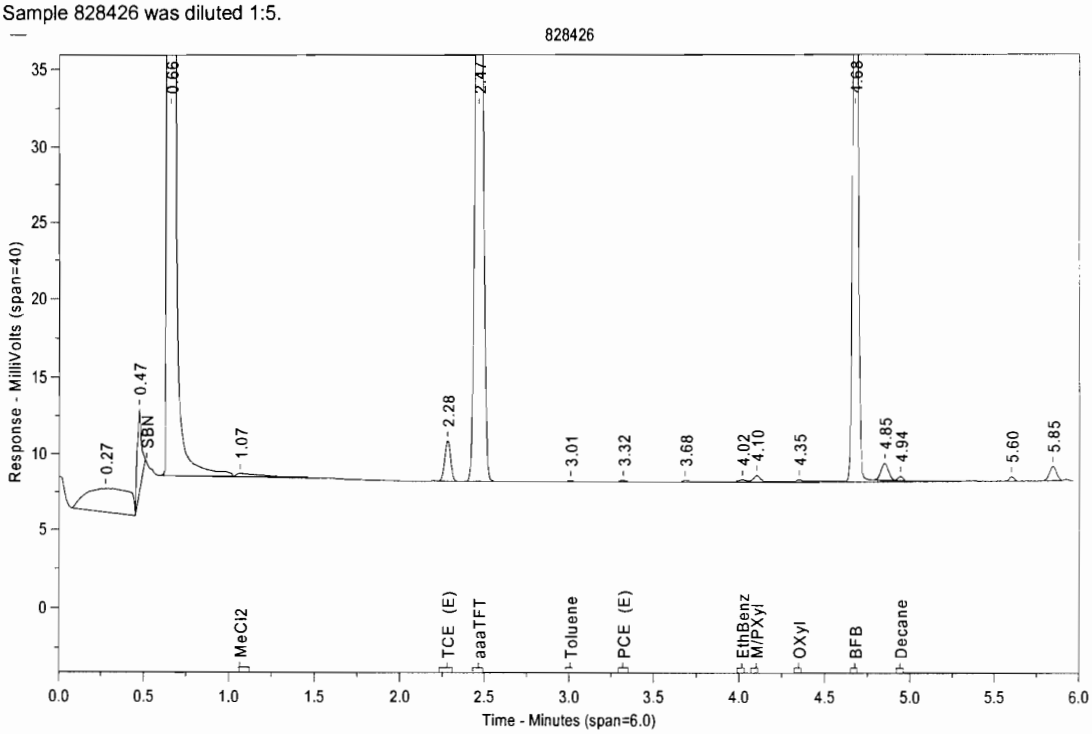


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	34016.19	4.09		0	24.40
1.79	CHCl3	0	59.99	4.73	BFB	2653	11063.29
1.89	CCl4	0	91.70	5.19		0	2.68
2.33	TCE	320	30208.07	5.45		0	32.80
2.62	BRCl2CH	0	62.60	5.82		0	39.61
3.38	PCE	2	1077.08				

Surrogate BFB recovery is 132.6%

Sample Name: 828426

Data File: C:\CPSpirit5\Data2\VoaF043010.0047.RAW
Acquired from Instrument 1 on 4/30/10 4:29:31 PM by
Sample 828426 was diluted 1:5.

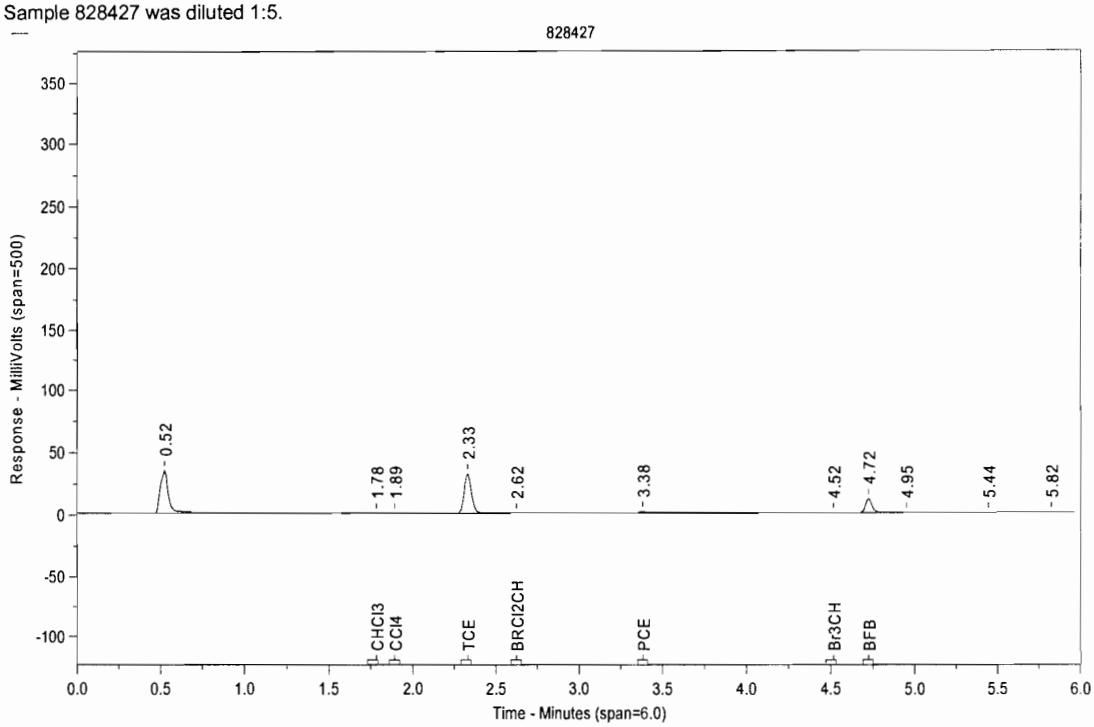


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1552.92	4.02	EthBenz	2	150.05
0.47		0	5443.62	4.10	M/PXyl	3	435.94
0.66		0	628624.38	4.35	OXyl	1	149.16
1.07	MeCl2	8	214.00	4.68	BFB	2657	54550.19
2.28	TCE (E)	280	2722.07	4.85		0	1121.33
2.47	aaaTFT	2241	56501.43	4.94	Decane	6	303.38
3.01	Toluene	2	84.04	5.60		0	295.01
3.32	PCE (E)	11	108.51	5.85		0	953.48
3.68		0	125.60				

Surrogate aaaTFT recovery is 112.%
Surrogate BFB recovery is 132.9%

Sample Name: 828427

Data File: C:\CPSpirit5\Data2\VoaE043010.0048.RAW
Acquired from Instrument 1 on 4/30/10 4:40:48 PM by
Sample 828427 was diluted 1:5.

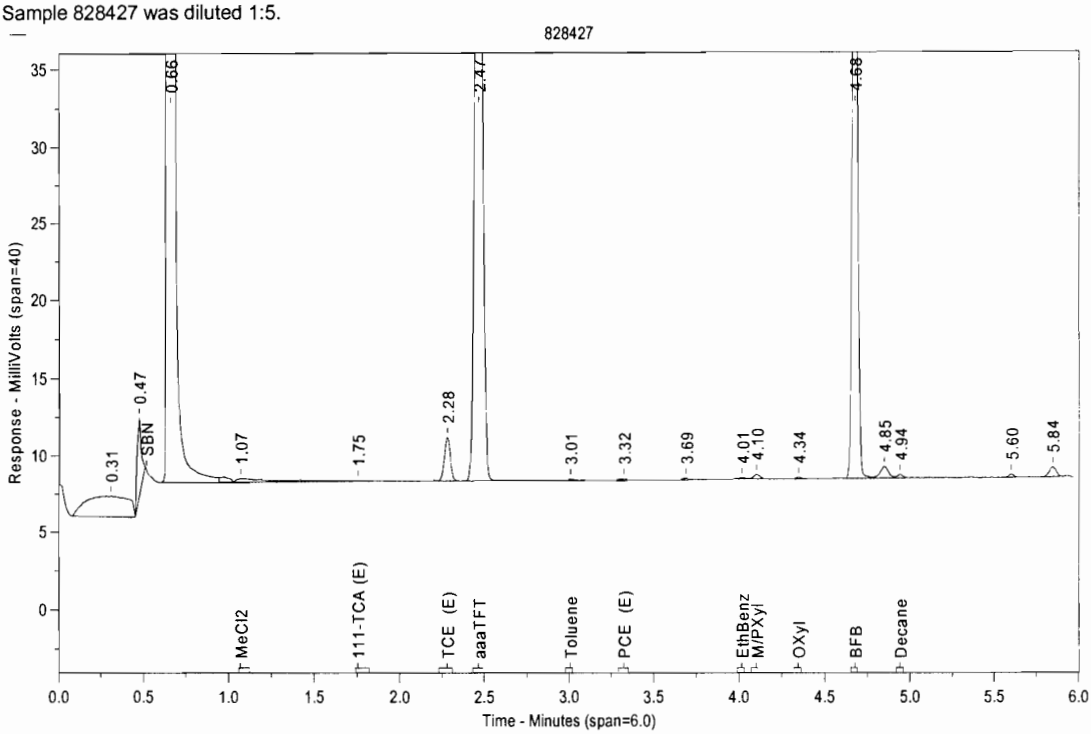


RT	Name	Amount	Height	RT	Name	Amount	Height
0.52		0	34156.46	4.52	Br3CH	0	32.50
1.78	CHCl3	0	60.50	4.72	BFB	2727	11333.36
1.89	CCl4	0	92.27	4.95		0	27.84
2.33	TCE	338	31765.29	5.44		0	36.82
2.62	BRCl2CH	0	61.24	5.82		0	31.61
3.38	PCE	3	1134.14				

Surrogate BFB recovery is 136.4%

Sample Name: 828427

Data File: C:\CPSpirit5\Data2\VoaF043010.0048.RAW
Acquired from Instrument 1 on 4/30/10 4:40:48 PM by
Sample 828427 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.31		0	1338.70	3.69		0	105.36
0.47		0	5111.03	4.01	EthBenz	0	77.30
0.66		0	627525.38	4.10	M/PXyl	0	288.66
1.07	MeCl2	10	222.69	4.34	OXyl	0	112.27
1.75	111-TCA (E)	15	46.64	4.68	BFB	2732	56083.29
2.28	TCE (E)	298	2895.36	4.85		0	756.73
2.47	aaaTFT	2304	58086.49	4.94	Decane	4	237.98
3.01	Toluene	2	91.89	5.60		0	222.54
3.32	PCE (E)	10	98.42	5.84		0	652.37

Surrogate aaaTFT recovery is 115.2%
Surrogate BFB recovery is 136.6%

GC/MS VOA INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks	
Batch ID:	JAQV5MTR	BFB Lot#	MV120U901	Instrument: HP5973	Instrument ID: J	130K Tune STD	☐ RF Summary
Test Method:	5am TRACE	ISTD Lot #:	MV042710U1	Column Type: Capillary RTX-624		☐ Internal Standard Response	
ICAL Date:	4/5/10	Surrogate Lot #	MV042110U	Purge Volume: ☐ 5 mL ☐ 10 mL ☑ 25 mL		☐ RT & Ratios Updated	
Start Date:	4/30/10 Time: 1626	CAL STD Lot #	MV042410U1			☐ Batch MS/MSD was not performed due to insufficient sample volume	
End Date:	5/1/10 Time: 0426	LCS/MS Lot #					

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
1626	JAQ35PV	BFBJC	NA		JP1	NA		✓	JP1	
1647	JAQ005UV	VSTD005JC				✓	✓	✓		Prim review +TICs + Checklist
1716	JAQBO1U	VBLKJC				✓	✓	✓		
1803	828149	137071	A2	100 mL		✓	✓	✓		C
1852	828151					✓	✓	✓	JH	C
1901	828153					✓	✓	✓		C
1931	828155					✓	✓	✓		C
2001	828157					✓	✓	✓		C
2030	828159					↓1	✓	✓		C 1,2 DCP
2059	828161					✓	✓	✓		C
2128	JAQBO2U	VIBLKJE	NA			✓	✓	✓		C
2157	828162	137071	A2	100 mL		✓	✓	✓		C HB
2226	828424	137114				✓	✓	✓		C TB
2255	828428					✓	✓	✓		C TB
2324	828423					✓	✓	✓		C
2353	828421D			960 mL		✓	✓	✓		C TCE 530
0022	828422D			2 mL		✓	✓	↓		R too dilute TCE 170 9ppb o.c.
0052	828425D			470 mL		✓	✓	↓		R too dilute TCE 920 9ppb o.c.
0121	828426D			1.7 mL		✓	✓	✓		C TCE 270
0150	828427D			1.6 mL		✓	✓	✓		C TCE 280
0220	828421D2			1.2 mL		✓	✓	✓		C more Conc TCE 490
0249	JAQBO3U	VIBLKJF	NA			✓	✓	✓		C
0318	JAQ05UC1	VSTD005CJ				✓	✓	✓		C Good closing
0348	JAQ05UC2					—	—	—	✓	not needed

JH 5/1/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable



Sample Handling

https://www.ups.com/uis/create?ActionOriginPair=print___UISReceipt&POPUP_LEVEL=1&Pri... 4/29/2010

ttps://www.ups.com/uisbrcat?

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

Client: PANTRA	Date Received: 04/30/10	Log In Date: 04/30/10	
ETR: 137114	Time Received: 1018	By:	
SDG: 137114	Received By: CK	Signature:	
Project: 29000	# Coolers Received: 2	PM Signature:	
Samples Delivered By: X Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 5/10/10	
List Air bill Number(s) or Attach a photocopy of the Air Bill:			

COOLER SCREEN	YES	NO	NA	COMMENTS
There is *no* evidence to indicate tampering	X			
Custody seals are present and intact	X			
Custody seal numbers are present		X		
If yes, list custody seal numbers:				

Thermal Preservation Type: X Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)

IR Gun ID: 96		Correction Factor (CF) = -2 °C							
Cooler 1: 2.9	°C	Cooler 6	°C	Cooler 11	°C	Cooler 16	°C		
Cooler 2: 1.7	°C	Cooler 7	°C	Cooler 12	°C	Cooler 17	°C		
Cooler 3:	°C	Cooler 8	°C	Cooler 13	°C	Cooler 18	°C		
Cooler 4:	°C	Cooler 9	°C	Cooler 14	°C	Cooler 19	°C		
Cooler 5	°C	Cooler 10	°C	Cooler 15	°C	Cooler 20	°C		

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	X			
Legible sample labels are affixed to each container	X			

CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:				
• Sample ID / Sample Description	X			
• Date of Sample Collection	X			
• Time of Sample Collection	X			
• Identification of the Sampler	X			
• Preservation Type		X		
• Requested Tests Method(s)	X			
• Necessary Signatures	X			
Internal Chain of Custody (ICOC) Required		X		
If yes to above, ICOC Record initiated for every Worksheet			X	

SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC		X		See below
Appropriate sample containers were received for the tests requested	X			
Samples were received within holding time	X			
Sufficient amount of sample is provided for requested analyses	X			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)	X			
Appropriate preservatives were used for the tests requested	X			
pH of inorganic samples checked and is within method specification	X			
If no, attach Inorganic Sample pH Adjustment Form			X	

ANOMALY / NCR SUMMARY

Sample labels for both Trip Blank samples list dates of 04/23/10
Trip blanks logged with dates in COC.

FSR002:12.19.07:3
TestAmerica Burlington



Subcontract Data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-57237-1

SDG Number: 137114

Job Description: Lawrence Aviation Site 4/27-28/10

For:
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Attention: Ms. Sara Goff



Approved for release.
Lidya Gulizia
Project Manager I
5/10/2010 5:27 PM

Lidya Gulizia
Project Manager I
lidya.gulizia@testamericainc.com
05/10/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

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Receipt
All samples were received in good condition within temperature requirements.

General Chemistry
Method(s) 300.0: The matrix spike (MS) recovery for sulfate in batch 167990 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Comments
The field blank sample received with the project samples was placed on hold per client request following the receipt of the samples.

No additional comments.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-57237-1	ISCO MW 04	Water	04/27/2010 1330	05/01/2010 1239
680-57237-2	ISCO MW 01	Water	04/27/2010 1500	05/01/2010 1239
680-57237-4	ISCO IW-05	Water	04/28/2010 1145	05/01/2010 1239
680-57237-5	ISCO IW-06	Water	04/28/2010 1530	05/01/2010 1239
680-57237-6	ISCO IW-16	Water	04/28/2010 1400	05/01/2010 1239

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Description	Lab Location	Method	Preparation Method
Matrix: Water			
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 SAV = TestAmerica Savannah

Method References:

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",

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Method	Analyst	Analyst ID
MCAWW 300.0	Brazell, Connie	CB
SM SM 2320B	Vasquez, Juana	JV
SM SM 2540C	Jackson, Michelle S	MSJ
SM SM 2540D	Jackson, Michelle S	MSJ
SM SM 5310B	Blackshear, Kim	KB

General Chemistry

Client Sample ID: **ISCO MW 04**

Lab Sample ID: 680-57237-1
Client Matrix: Water

Date Sampled: 04/27/2010 1330
Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	32		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167990	Date Analyzed: 05/08/2010 1449					
Sulfate	36		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167990	Date Analyzed: 05/08/2010 1449					
Total Organic Carbon	1.0	U	mg/L	1.0	1.0	SM 5310B
Analysis Batch: 680-167636	Date Analyzed: 05/04/2010 1051					

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	28		mg/L	5.0	1.0	SM 2320B
Analysis Batch: 680-167588	Date Analyzed: 05/04/2010 1618					
Total Dissolved Solids	250		mg/L	5.0	1.0	SM 2540C
Analysis Batch: 680-167386	Date Analyzed: 05/03/2010 1259					
Total Suspended Solids	5.0	U	mg/L	5.0	1.0	SM 2540D
Analysis Batch: 680-167375	Date Analyzed: 05/03/2010 1203					

General Chemistry

Client Sample ID: **ISCO MW 01**

Lab Sample ID: 680-57237-2
Client Matrix: Water

Date Sampled: 04/27/2010 1500
Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	26		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1400					
Sulfate	38		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1400					
Total Organic Carbon	10		mg/L	1.0	1.0	SM 5310B
Analysis Batch: 680-167636	Date Analyzed: 05/04/2010 1051					

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	50		mg/L	5.0	1.0	SM 2320B
Analysis Batch: 680-167588	Date Analyzed: 05/04/2010 1623					
Total Dissolved Solids	220		mg/L	5.0	1.0	SM 2540C
Analysis Batch: 680-167386	Date Analyzed: 05/03/2010 1259					
Total Suspended Solids	11		mg/L	5.0	1.0	SM 2540D
Analysis Batch: 680-167375	Date Analyzed: 05/03/2010 1203					

General Chemistry

Client Sample ID: **ISCO IW-05**

Lab Sample ID: 680-57237-4
Client Matrix: Water

Date Sampled: 04/28/2010 1145
Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	14		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1421					
Sulfate	23		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1421					
Total Organic Carbon	1.1		mg/L	1.0	1.0	SM 5310B
Analysis Batch: 680-167636	Date Analyzed: 05/04/2010 1051					

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	64		mg/L	5.0	1.0	SM 2320B
Analysis Batch: 680-167588	Date Analyzed: 05/04/2010 1635					
Total Dissolved Solids	240		mg/L	5.0	1.0	SM 2540C
Analysis Batch: 680-167386	Date Analyzed: 05/03/2010 1259					
Total Suspended Solids	5.0	U	mg/L	5.0	1.0	SM 2540D
Analysis Batch: 680-167339	Date Analyzed: 05/03/2010 0846					

General Chemistry

Client Sample ID: **ISCO IW-06**

Lab Sample ID: 680-57237-5
Client Matrix: Water

Date Sampled: 04/28/2010 1530
Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	29		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1431					
Sulfate	39		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1431					
Total Organic Carbon	1.0	U	mg/L	1.0	1.0	SM 5310B
Analysis Batch: 680-167636	Date Analyzed: 05/04/2010 1051					

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	51		mg/L	5.0	1.0	SM 2320B
Analysis Batch: 680-167588	Date Analyzed: 05/04/2010 1640					
Total Dissolved Solids	250		mg/L	5.0	1.0	SM 2540C
Analysis Batch: 680-167386	Date Analyzed: 05/03/2010 1259					
Total Suspended Solids	5.0	U	mg/L	5.0	1.0	SM 2540D
Analysis Batch: 680-167339	Date Analyzed: 05/03/2010 0846					

General Chemistry

Client Sample ID: **ISCO IW-16**

Lab Sample ID: 680-57237-6
Client Matrix: Water

Date Sampled: 04/28/2010 1400
Date Received: 05/01/2010 1239

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	29		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1442					
Sulfate	39		mg/L	5.0	5.0	300.0
Analysis Batch: 680-167994	Date Analyzed: 05/07/2010 1442					
Total Organic Carbon	1.0	U	mg/L	1.0	1.0	SM 5310B
Analysis Batch: 680-167636	Date Analyzed: 05/04/2010 1051					

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	50		mg/L	5.0	1.0	SM 2320B
Analysis Batch: 680-167588	Date Analyzed: 05/04/2010 1646					
Total Dissolved Solids	250		mg/L	5.0	1.0	SM 2540C
Analysis Batch: 680-167386	Date Analyzed: 05/03/2010 1259					
Total Suspended Solids	27		mg/L	5.0	1.0	SM 2540D
Analysis Batch: 680-167339	Date Analyzed: 05/03/2010 0846					

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Method Blank - Batch: 680-167990

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 680-167990/4	Analysis Batch:	680-167990	Instrument ID:	ICG
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0020.d
Dilution:	5.0	Units:	mg/L	Initial Weight/Volume:	1 mL
Date Analyzed:	05/08/2010 1424			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Result	Qual	RL
Chloride	5.0	U	5.0
Sulfate	5.0	U	5.0

Lab Control Sample - Batch: 680-167990

Method: 300.0
Preparation: N/A

Lab Sample ID:	LCS 680-167990/5	Analysis Batch:	680-167990	Instrument ID:	ICG
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0021.d
Dilution:	5.0	Units:	mg/L	Initial Weight/Volume:	1 mL
Date Analyzed:	05/08/2010 1436			Final Weight/Volume:	5 mL
Date Prepared:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	52.1	104	90 - 110	
Sulfate	50.0	54.0	108	90 - 110	

Matrix Spike - Batch: 680-167990

Method: 300.0
Preparation: N/A

Lab Sample ID:	680-57237-1	Analysis Batch:	680-167990	Instrument ID:	ICG
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0023.d
Dilution:	5.0	Units:	mg/L	Initial Weight/Volume:	1 mL
Date Analyzed:	05/08/2010 1501			Final Weight/Volume:	5 mL
Date Prepared:	N/A				1 uL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	32	50.0	87.3	110	90 - 110	
Sulfate	36	50.0	91.3	111	90 - 110	F

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Method Blank - Batch: 680-167994

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 680-167994/8
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 05/07/2010 1247
Date Prepared: N/A

Analysis Batch: 680-167994
Prep Batch: N/A
Units: mg/L

Instrument ID: ICH
Lab File ID: 0011.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloride	5.0	U	5.0
Sulfate	5.0	U	5.0

Lab Control Sample - Batch: 680-167994

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 680-167994/9
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 05/07/2010 1258
Date Prepared: N/A

Analysis Batch: 680-167994
Prep Batch: N/A
Units: mg/L

Instrument ID: ICH
Lab File ID: 0012.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	50.3	101	90 - 110	
Sulfate	50.0	52.2	104	90 - 110	

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Method Blank - Batch: 680-167588

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 680-167588/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2010 1600
Date Prepared: N/A

Analysis Batch: 680-167588
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: alk050410c.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Alkalinity	5.0	U	5.0

Lab Control Sample - Batch: 680-167588

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 680-167588/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2010 1613
Date Prepared: N/A

Analysis Batch: 680-167588
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: alk050410c.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	514	487	95	80 - 120	

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Method Blank - Batch: 680-167386

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 680-167386/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 1259
Date Prepared: N/A

Analysis Batch: 680-167386
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
Total Dissolved Solids	5.0	U	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-167386

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 680-167386/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 1259
Date Prepared: N/A

Analysis Batch: 680-167386
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 680-167386/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 1259
Date Prepared: N/A

Analysis Batch: 680-167386
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. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	85	86	80 - 120	1	25		

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-167386

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 680-167386/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 680-167386/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	05/03/2010 1259			Date Analyzed:	05/03/2010 1259
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	475	475	404	409

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Method Blank - Batch: 680-167339

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 680-167339/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 0846
Date Prepared: N/A

Analysis Batch: 680-167339
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
Total Suspended Solids	5.0	U	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-167339

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID: LCS 680-167339/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 0846
Date Prepared: N/A

Analysis Batch: 680-167339
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 680-167339/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 0846
Date Prepared: N/A

Analysis Batch: 680-167339
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. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Suspended Solids	107	113	80 - 120	5	25		

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-167339

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID:	LCS 680-167339/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 680-167339/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	05/03/2010 0846			Date Analyzed:	05/03/2010 0846
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	107	113

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Method Blank - Batch: 680-167375

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 680-167375/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 1203
Date Prepared: N/A

Analysis Batch: 680-167375
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
Total Suspended Solids	5.0	U	5.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-167375

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID: LCS 680-167375/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 1203
Date Prepared: N/A

Analysis Batch: 680-167375
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 680-167375/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/03/2010 1203
Date Prepared: N/A

Analysis Batch: 680-167375
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. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Suspended Solids	98	92	80 - 120	7	25		

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-167375

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID:	LCS 680-167375/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 680-167375/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	05/03/2010 1203			Date Analyzed:	05/03/2010 1203
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	98.0	91.5

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Method Blank - Batch: 680-167636

Method: SM 5310B
Preparation: N/A

Lab Sample ID: MB 680-167636/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2010 1051
Date Prepared: N/A

Analysis Batch: 680-167636
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Total Organic Carbon	1.0	U	1.0

Lab Control Sample - Batch: 680-167636

Method: SM 5310B
Preparation: N/A

Lab Sample ID: LCS 680-167636/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2010 1051
Date Prepared: N/A

Analysis Batch: 680-167636
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	20.0	19.0	95	80 - 120	

Duplicate - Batch: 680-167636

Method: SM 5310B
Preparation: N/A

Lab Sample ID: 680-57237-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2010 1051
Date Prepared: N/A

Analysis Batch: 680-167636
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Total Organic Carbon	1.0	U	1.0	NC	25	U

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

Lab Section	Qualifier	Description
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-167339					
LCS 680-167339/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-167339/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-167339/1	Method Blank	T	Water	SM 2540D	
680-57237-4	ISCO IW-05	T	Water	SM 2540D	
680-57237-5	ISCO IW-06	T	Water	SM 2540D	
680-57237-6	ISCO IW-16	T	Water	SM 2540D	
Analysis Batch:680-167375					
LCS 680-167375/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-167375/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-167375/1	Method Blank	T	Water	SM 2540D	
680-57237-1	ISCO MW 04	T	Water	SM 2540D	
680-57237-2	ISCO MW 01	T	Water	SM 2540D	
Analysis Batch:680-167386					
LCS 680-167386/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 680-167386/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 680-167386/1	Method Blank	T	Water	SM 2540C	
680-57237-1	ISCO MW 04	T	Water	SM 2540C	
680-57237-2	ISCO MW 01	T	Water	SM 2540C	
680-57237-4	ISCO IW-05	T	Water	SM 2540C	
680-57237-5	ISCO IW-06	T	Water	SM 2540C	
680-57237-6	ISCO IW-16	T	Water	SM 2540C	
Analysis Batch:680-167588					
LCS 680-167588/2	Lab Control Sample	T	Water	SM 2320B	
MB 680-167588/1	Method Blank	T	Water	SM 2320B	
680-57237-1	ISCO MW 04	T	Water	SM 2320B	
680-57237-2	ISCO MW 01	T	Water	SM 2320B	
680-57237-4	ISCO IW-05	T	Water	SM 2320B	
680-57237-5	ISCO IW-06	T	Water	SM 2320B	
680-57237-6	ISCO IW-16	T	Water	SM 2320B	
Analysis Batch:680-167636					
LCS 680-167636/2	Lab Control Sample	T	Water	SM 5310B	
MB 680-167636/1	Method Blank	T	Water	SM 5310B	
680-57237-1	ISCO MW 04	T	Water	SM 5310B	
680-57237-2	ISCO MW 01	T	Water	SM 5310B	
680-57237-4	ISCO IW-05	T	Water	SM 5310B	
680-57237-5	ISCO IW-06	T	Water	SM 5310B	
680-57237-5DU	Duplicate	T	Water	SM 5310B	
680-57237-6	ISCO IW-16	T	Water	SM 5310B	

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
Sdg Number: 137114

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-167990					
LCS 680-167990/5	Lab Control Sample	T	Water	300.0	
MB 680-167990/4	Method Blank	T	Water	300.0	
680-57237-1	ISCO MW 04	T	Water	300.0	
680-57237-1MS	Matrix Spike	T	Water	300.0	
Analysis Batch:680-167994					
LCS 680-167994/9	Lab Control Sample	T	Water	300.0	
MB 680-167994/8	Method Blank	T	Water	300.0	
680-57237-2	ISCO MW 01	T	Water	300.0	
680-57237-4	ISCO IW-05	T	Water	300.0	
680-57237-5	ISCO IW-06	T	Water	300.0	
680-57237-6	ISCO IW-16	T	Water	300.0	

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
SDG: 137114

Laboratory Chronicle

Lab ID: 680-57237-1 **Client ID:** ISCO MW 04

Sample Date/Time: 04/27/2010 13:30 Received Date/Time: 05/01/2010 12:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57237-D-1		680-167990		05/08/2010 14:49	5	TAL SAV	CB
A:SM 2320B	680-57237-C-1		680-167588		05/04/2010 16:18	1	TAL SAV	JV
A:SM 2540C	680-57237-A-1		680-167386		05/03/2010 12:59	1	TAL SAV	MSJ
A:SM 2540D	680-57237-A-1		680-167375		05/03/2010 12:03	1	TAL SAV	MSJ
A:SM 5310B	680-57237-B-1		680-167636		05/04/2010 10:51	1	TAL SAV	KB

Lab ID: 680-57237-1 MS **Client ID:** ISCO MW 04

Sample Date/Time: 04/27/2010 13:30 Received Date/Time: 05/01/2010 12:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57237-D-1 MS		680-167990		05/08/2010 15:01	5	TAL SAV	CB

Lab ID: 680-57237-2 **Client ID:** ISCO MW 01

Sample Date/Time: 04/27/2010 15:00 Received Date/Time: 05/01/2010 12:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57237-D-2		680-167994		05/07/2010 14:00	5	TAL SAV	CB
A:SM 2320B	680-57237-C-2		680-167588		05/04/2010 16:23	1	TAL SAV	JV
A:SM 2540C	680-57237-A-2		680-167386		05/03/2010 12:59	1	TAL SAV	MSJ
A:SM 2540D	680-57237-A-2		680-167375		05/03/2010 12:03	1	TAL SAV	MSJ
A:SM 5310B	680-57237-B-2		680-167636		05/04/2010 10:51	1	TAL SAV	KB

Lab ID: 680-57237-4 **Client ID:** ISCO IW-05

Sample Date/Time: 04/28/2010 11:45 Received Date/Time: 05/01/2010 12:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57237-D-4		680-167994		05/07/2010 14:21	5	TAL SAV	CB
A:SM 2320B	680-57237-C-4		680-167588		05/04/2010 16:35	1	TAL SAV	JV
A:SM 2540C	680-57237-A-4		680-167386		05/03/2010 12:59	1	TAL SAV	MSJ
A:SM 2540D	680-57237-A-4		680-167339		05/03/2010 08:46	1	TAL SAV	MSJ
A:SM 5310B	680-57237-B-4		680-167636		05/04/2010 10:51	1	TAL SAV	KB

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
SDG: 137114

Laboratory Chronicle

Lab ID: 680-57237-5 **Client ID:** ISCO IW-06

Sample Date/Time: 04/28/2010 15:30 Received Date/Time: 05/01/2010 12:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57237-D-5		680-167994		05/07/2010 14:31	5	TAL SAV	CB
A:SM 2320B	680-57237-C-5		680-167588		05/04/2010 16:40	1	TAL SAV	JV
A:SM 2540C	680-57237-A-5		680-167386		05/03/2010 12:59	1	TAL SAV	MSJ
A:SM 2540D	680-57237-A-5		680-167339		05/03/2010 08:46	1	TAL SAV	MSJ
A:SM 5310B	680-57237-B-5		680-167636		05/04/2010 10:51	1	TAL SAV	KB

Lab ID: 680-57237-5 DU **Client ID:** ISCO IW-06

Sample Date/Time: 04/28/2010 15:30 Received Date/Time: 05/01/2010 12:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 5310B	680-57237-B-5 DU		680-167636		05/04/2010 10:51	1	TAL SAV	KB

Lab ID: 680-57237-6 **Client ID:** ISCO IW-16

Sample Date/Time: 04/28/2010 14:00 Received Date/Time: 05/01/2010 12:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57237-D-6		680-167994		05/07/2010 14:42	5	TAL SAV	CB
A:SM 2320B	680-57237-C-6		680-167588		05/04/2010 16:46	1	TAL SAV	JV
A:SM 2540C	680-57237-A-6		680-167386		05/03/2010 12:59	1	TAL SAV	MSJ
A:SM 2540D	680-57237-A-6		680-167339		05/03/2010 08:46	1	TAL SAV	MSJ
A:SM 5310B	680-57237-B-6		680-167636		05/04/2010 10:51	1	TAL SAV	KB

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
A:300.0	MB 680-167994/8		680-167994		05/07/2010 12:47	5	TAL SAV	CB
A:300.0	MB 680-167990/4		680-167990		05/08/2010 14:24	5	TAL SAV	CB
A:SM 2320B	MB 680-167588/1		680-167588		05/04/2010 16:00	1	TAL SAV	JV
A:SM 2540C	MB 680-167386/1		680-167386		05/03/2010 12:59	1	TAL SAV	MSJ
A:SM 2540D	MB 680-167339/1		680-167339		05/03/2010 08:46	1	TAL SAV	MSJ
A:SM 2540D	MB 680-167375/1		680-167375		05/03/2010 12:03	1	TAL SAV	MSJ
A:SM 5310B	MB 680-167636/1		680-167636		05/04/2010 10:51	1	TAL SAV	KB

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
SDG: 137114

Laboratory Chronicle

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
A:300.0	LCS 680-167994/9		680-167994		05/07/2010 12:58	5	TAL SAV	CB
A:300.0	LCS 680-167990/5		680-167990		05/08/2010 14:36	5	TAL SAV	CB
A:SM 2320B	LCS 680-167588/2		680-167588		05/04/2010 16:13	1	TAL SAV	JV
A:SM 2540C	LCS 680-167386/2		680-167386		05/03/2010 12:59	1	TAL SAV	MSJ
A:SM 2540D	LCS 680-167339/2		680-167339		05/03/2010 08:46	1	TAL SAV	MSJ
A:SM 2540D	LCS 680-167375/2		680-167375		05/03/2010 12:03	1	TAL SAV	MSJ
A:SM 5310B	LCS 680-167636/2		680-167636		05/04/2010 10:51	1	TAL SAV	KB

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:SM 2540C	LCSD 680-167386/3		680-167386		05/03/2010 12:59	1	TAL SAV	MSJ
A:SM 2540D	LCSD 680-167339/3		680-167339		05/03/2010 08:46	1	TAL SAV	MSJ
A:SM 2540D	LCSD 680-167375/3		680-167375		05/03/2010 12:03	1	TAL SAV	MSJ

Lab References:
TAL SAV = TestAmerica Savannah

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57237-1

SDG No.: 137114

Project: Lawrence Aviation Site 4/27-28/10

Client Sample ID	Lab Sample ID
ISCO MW 04	680-57237-1
ISCO MW 01	680-57237-2
ISCO IW-05	680-57237-4
ISCO IW-06	680-57237-5
ISCO IW-16	680-57237-6

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO MW 04 Lab Sample ID: 680-57237-1

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/27/2010 13:30

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	32	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	36	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	1.0	1.0	0.50	mg/L	U		1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO MW 04 Lab Sample ID: 680-57237-1

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/27/2010 13:30

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	28	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	250	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO MW 01 Lab Sample ID: 680-57237-2

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/27/2010 15:00

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	26	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	38	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	10	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO MW 01 Lab Sample ID: 680-57237-2

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/27/2010 15:00

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	50	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	220	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	11	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW-05 Lab Sample ID: 680-57237-4

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/28/2010 11:45

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	14	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	23	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	1.1	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW-05 Lab Sample ID: 680-57237-4

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/28/2010 11:45

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	64	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	240	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW-06 Lab Sample ID: 680-57237-5

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/28/2010 15:30

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	29	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	39	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	1.0	1.0	0.50	mg/L	U		1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW-06 Lab Sample ID: 680-57237-5

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/28/2010 15:30

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	51	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	250	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW-16 Lab Sample ID: 680-57237-6

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/28/2010 14:00

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	29	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	39	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	1.0	1.0	0.50	mg/L	U		1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW-16 Lab Sample ID: 680-57237-6

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG ID.: 137114

Matrix: Water Date Sampled: 04/28/2010 14:00

Reporting Basis: WET Date Received: 05/01/2010 12:39

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	50	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	250	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	27	5.0		mg/L			1	SM 2540D

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Analyst: CB Batch Start Date: 05/08/2010

Reporting Units: mg/L Analytical Batch No.: 167990

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
3	CCV	14:12	Chloride	52.5	50.0	105	90-110		Anion-4_00049
			Sulfate	53.2	50.0	106	90-110		Anion-4_00049
16	CCV	16:53	Chloride	52.6	50.0	105	90-110		Anion-4_00049
			Sulfate	53.0	50.0	106	90-110		Anion-4_00049
17	CCB	17:05	Chloride	5.0				U	
			Sulfate	5.0				U	

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

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Analyst: CB Batch Start Date: 05/07/2010

Reporting Units: mg/L Analytical Batch No.: 167994

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
15	CCV	14:52	Chloride	50.6	50.0	101	90-110		Anion-4_00049
			Sulfate	52.3	50.0	105	90-110		Anion-4_00049
16	CCB	15:02	Chloride	5.0				U	
			Sulfate	5.0				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 167994	Date: 05/07/2010 12:47						
300.0	MB 680-167994/8	Chloride	5.0	U	mg/L	5.0	5
300.0	MB 680-167994/8	Sulfate	5.0	U	mg/L	5.0	5
Batch ID: 167990	Date: 05/08/2010 14:24						
300.0	MB 680-167990/4	Chloride	5.0	U	mg/L	5.0	5
300.0	MB 680-167990/4	Sulfate	5.0	U	mg/L	5.0	5
Batch ID: 167588	Date: 05/04/2010 16:00						
SM 2320B	MB 680-167588/1	Alkalinity	5.0	U	mg/L	5.0	1
Batch ID: 167386	Date: 05/03/2010 12:59						
SM 2540C	MB 680-167386/1	Total Dissolved Solids	5.0	U	mg/L	5.0	1
Batch ID: 167339	Date: 05/03/2010 08:46						
SM 2540D	MB 680-167339/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 167375	Date: 05/03/2010 12:03						
SM 2540D	MB 680-167375/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 167636	Date: 05/04/2010 10:51						
SM 5310B	MB 680-167636/1	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.: 680-57237-1

SDG No.: 137114

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 167990 Date: 05/08/2010 15:01											
300.0	680-57237-1	Chloride	32		mg/L						
300.0	680-57237-1 MS	Chloride	87.3		mg/L	50.0	110	90-110			
300.0	680-57237-1	Sulfate	36		mg/L						
300.0	680-57237-1 MS	Sulfate	91.3		mg/L	50.0	111	90-110			F

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

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 167636 Date: 05/04/2010 10:51								
SM 5310B	ISCO IW-06	680-57237-5	Total Organic Carbon	1.0	mg/L			U
SM 5310B	ISCO IW-06	680-57237-5 DU	Total Organic Carbon	1.0	mg/L	NC	25	U

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 167994	Date: 05/07/2010 12:58										
						LCS Source: Anion_ICV_00039					
300.0	LCS 680-167994/9	Chloride	50.3		mg/L	50.0	101	90-110			
300.0	LCS 680-167994/9	Sulfate	52.2		mg/L	50.0	104	90-110			
Batch ID: 167990	Date: 05/08/2010 14:36										
						LCS Source: Anion_ICV_00039					
300.0	LCS 680-167990/5	Chloride	52.1		mg/L	50.0	104	90-110			
300.0	LCS 680-167990/5	Sulfate	54.0		mg/L	50.0	108	90-110			
Batch ID: 167588	Date: 05/04/2010 16:13										
						LCS Source: Alk LCS_00053					
SM 2320B	LCS 680-167588/2	Alkalinity	487		mg/L	514	95	80-120			
Batch ID: 167386	Date: 05/03/2010 12:59										
						LCS Source: TS/TDS LCS_00084					
SM 2540C	LCS 680-167386/2	Total Dissolved Solids	404		mg/L	475	85	80-120	1	25	
Batch ID: 167339	Date: 05/03/2010 08:46										
						LCS Source: TSS LCS_00187					
SM 2540D	LCS 680-167339/2	Total Suspended Solids	107		mg/L	100	107	80-120	5	25	
Batch ID: 167375	Date: 05/03/2010 12:03										
						LCS Source: TSS LCS_00187					
SM 2540D	LCS 680-167375/2	Total Suspended Solids	98.0		mg/L	100	98	80-120	7	25	
Batch ID: 167636	Date: 05/04/2010 10:51										
						LCS Source: TOC LCS_00036					
SM 5310B	LCS 680-167636/2	Total Organic Carbon	19.0		mg/L	20.0	95	80-120			

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.: 680-57237-1

SDG No.: 137114

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 167386	Date: 05/03/2010 12:59										
						LCSD Source: TS/TDS LCS_00084					
SM 2540C	LCSD 680-167386/3	Total Dissolved Solids	409		mg/L	475	86	80-120	1	25	
Batch ID: 167339	Date: 05/03/2010 08:46										
						LCSD Source: TSS LCS_00187					
SM 2540D	LCSD 680-167339/3	Total Suspended Solids	113		mg/L	100	113	80-120	5	25	
Batch ID: 167375	Date: 05/03/2010 12:03										
						LCSD Source: TSS LCS_00187					
SM 2540D	LCSD 680-167375/3	Total Suspended Solids	91.5		mg/L	100	92	80-120	7	25	

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57237-1

SDG Number: 137114

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
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57237-1

SDG Number: 137114

Matrix: Water Instrument ID: ICH

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
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57237-1

SDG Number: 137114

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
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57237-1

SDG Number: 137114

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
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57237-1

SDG Number: 137114

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: 680-57237-1

SDG Number: 137114

Matrix: Water Instrument ID: NOEQUIP

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

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Instrument ID: ICG Method: 300.0

Start Date: 05/08/2010 13:47 End Date: 05/08/2010 19:34

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
ZZZZZZ			13:47																				
ZZZZZZ			13:59																				
CCV 680-167990/3	5		14:12	X	X																		
MB 680-167990/4	5	T	14:24	X	X																		
LCS 680-167990/5	5	T	14:36	X	X																		
680-57237-1	5	T	14:49	X	X																		
680-57237-1 MS	5	T	15:01	X	X																		
ZZZZZZ			15:14																				
ZZZZZZ			15:26																				
ZZZZZZ			15:38																				
ZZZZZZ			15:51																				
ZZZZZZ			16:03																				
ZZZZZZ			16:16																				
ZZZZZZ			16:28																				
ZZZZZZ			16:40																				
CCV 680-167990/16	5		16:53	X	X																		
CCB 680-167990/17	5		17:05	X	X																		
ZZZZZZ			17:18																				
ZZZZZZ			17:30																				
ZZZZZZ			17:42																				
ZZZZZZ			17:55																				
ZZZZZZ			18:07																				
ZZZZZZ			18:20																				
ZZZZZZ			18:32																				
ZZZZZZ			18:44																				
ZZZZZZ			18:57																				
ZZZZZZ			19:09																				
CCV 680-167990/28			19:22																				
CCB 680-167990/29			19:34																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Instrument ID: ICH Method: 300.0

Start Date: 05/07/2010 11:33 End Date: 05/07/2010 15:02

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
IC 680-167994/1			11:33	X	X																		
IC 680-167994/2			11:44	X	X																		
ZZZZZZ			11:54																				
IC 680-167994/4			12:06	X	X																		
IC 680-167994/5			12:16	X	X																		
IC 680-167994/6			12:26	X	X																		
IC 680-167994/7			12:37	X	X																		
MB 680-167994/8	5	T	12:47	X	X																		
LCS 680-167994/9	5	T	12:58	X	X																		
680-57237-2	5	T	14:00	X	X																		
ZZZZZZ			14:10																				
680-57237-4	5	T	14:21	X	X																		
680-57237-5	5	T	14:31	X	X																		
680-57237-6	5	T	14:42	X	X																		
CCV 680-167994/15	5		14:52	X	X																		
CCB 680-167994/16	5		15:02	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Instrument ID: MANTECH Method: SM 2320B

Start Date: 05/04/2010 16:00 End Date: 05/04/2010 18:17

Lab Sample ID	D / F	Type	Time	Analytes																			
				Alk																			
MB 680-167588/1	1	T	16:00	X																			
LCS 680-167588/2	1	T	16:13	X																			
680-57237-1	1	T	16:18	X																			
680-57237-2	1	T	16:23	X																			
ZZZZZZ			16:29																				
680-57237-4	1	T	16:35	X																			
680-57237-5	1	T	16:40	X																			
680-57237-6	1	T	16:46	X																			
ZZZZZZ			16:49																				
ZZZZZZ			16:56																				
ZZZZZZ			17:03																				
ZZZZZZ			17:09																				
CCV 680-167588/13			17:12																				
ZZZZZZ			17:18																				
ZZZZZZ			17:24																				
ZZZZZZ			17:30																				
ZZZZZZ			17:36																				
ZZZZZZ			17:43																				
ZZZZZZ			17:50																				
ZZZZZZ			17:57																				
ZZZZZZ			18:03																				
ZZZZZZ			18:09																				
ZZZZZZ			18:14																				
CCV 680-167588/24			18:17																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 05/03/2010 12:59 End Date: 05/03/2010 12:59

Lab Sample ID	D / F	Type	Time	Analytes																			
				TDS																			
MB 680-167386/1	1	T	12:59	X																			
LCS 680-167386/2	1	T	12:59	X																			
LCSD 680-167386/3	1	T	12:59	X																			
680-57237-1	1	T	12:59	X																			
680-57237-2	1	T	12:59	X																			
ZZZZZZ			12:59																				
680-57237-4	1	T	12:59	X																			
680-57237-5	1	T	12:59	X																			
680-57237-6	1	T	12:59	X																			
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				
ZZZZZZ			12:59																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 05/03/2010 08:46 End Date: 05/03/2010 08:46

Lab Sample ID	D / F	Type	Time	Analytes																				
				TSS																				
MB 680-167339/1	1	T	08:46	X																				
LCS 680-167339/2	1	T	08:46	X																				
LCSD 680-167339/3	1	T	08:46	X																				
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
680-57237-6	1	T	08:46	X																				
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
ZZZZZZ			08:46																					
680-57237-4	1	T	08:46	X																				
680-57237-5	1	T	08:46	X																				
ZZZZZZ			08:46																					

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 05/03/2010 12:03 End Date: 05/03/2010 12:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				TSS																			
MB 680-167375/1	1	T	12:03	X																			
LCS 680-167375/2	1	T	12:03	X																			
LCSD 680-167375/3	1	T	12:03	X																			
ZZZZZZ			12:03																				
ZZZZZZ			12:03																				
ZZZZZZ			12:03																				
ZZZZZZ			12:03																				
680-57237-2	1	T	12:03	X																			
680-57237-1	1	T	12:03	X																			
ZZZZZZ			12:03																				
ZZZZZZ			12:03																				
ZZZZZZ			12:03																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57237-1

SDG No.: 137114

Instrument ID: NOEQUIP Method: SM 5310B

Start Date: 05/04/2010 10:51 End Date: 05/04/2010 10:51

Lab Sample ID	D / F	Type	Time	Analytes																			
				TOC																			
MB 680-167636/1	1	T	10:51	X																			
LCS 680-167636/2	1	T	10:51	X																			
ZZZZZZ			10:51																				
ZZZZZZ			10:51																				
ZZZZZZ			10:51																				
680-57237-1	1	T	10:51	X																			
680-57237-2	1	T	10:51	X																			
ZZZZZZ			10:51																				
680-57237-4	1	T	10:51	X																			
680-57237-5	1	T	10:51	X																			
680-57237-5 DU	1	T	10:51	X																			
680-57237-6	1	T	10:51	X																			
ZZZZZZ			10:51																				
ZZZZZZ			10:51																				
ZZZZZZ			10:51																				

Prep Types

T = Total/NA

TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 28-APR-2010 23:57
End Cal Date : 29-APR-2010 00:59
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/LC/LCGIC.i/4G050710A-NPW.b/g-NPW-300-9056-9056A.m
Cal Date : 08-May-2010 09:39 brazellc
Curve Type : Average

Calibration File Names:
Level 1: /chem/LC/LCGIC.i/3G042810A-NPW.b/0031.d
Level 2: /chem/LC/LCGIC.i/3G042810A-NPW.b/0032.d
Level 3: /chem/LC/LCGIC.i/3G042810A-NPW.b/0033.d
Level 4: /chem/LC/LCGIC.i/3G042810A-NPW.b/0034.d
Level 5: /chem/LC/LCGIC.i/3G042810A-NPW.b/0035.d
Level 6: /chem/LC/LCGIC.i/3G042810A-NPW.b/0036.d

Compound	1.000 Level 1	2.000 Level 2	3.000 Level 3	4.000 Level 4	5.000 Level 5	6.000 Level 6	RRF	% RSD
1 FLUORIDE	310550	322987	358393	364835	359951	336556	342212	6.524
2 CHLORIDE	187902	203413	220311	222953	224805	225219	214101	7.101
4 SULFATE	145925	149729	162749	166299	167465	166990	159860	5.969
3 BROMIDE	71840	76109	86407	92802	96207	98746	87019	12.643

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G042810A-NPW.b/0031.d
Lab Smp Id: IC Client Smp ID: ANION-1
Inj Date : 28-APR-2010 23:57
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-1~3G042810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G042810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Apr-2010 09:51 brazellc Quant Type: ESTD
Cal Date : 28-APR-2010 23:57 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	
3.042	3.042	0.000	62110	0.20000	0.20	
3 BROMIDE					CAS #: 24959-67-9	
5.934	5.934	0.000	71840	1.00000	1.0	
2 CHLORIDE					CAS #: 16887-00-6	
3.942	3.942	0.000	187902	1.00000	1.0	(M)
4 SULFATE					CAS #: 14808-79-8	
4.559	4.559	0.000	145925	1.00000	1.0	(M)

QC Flag Legend

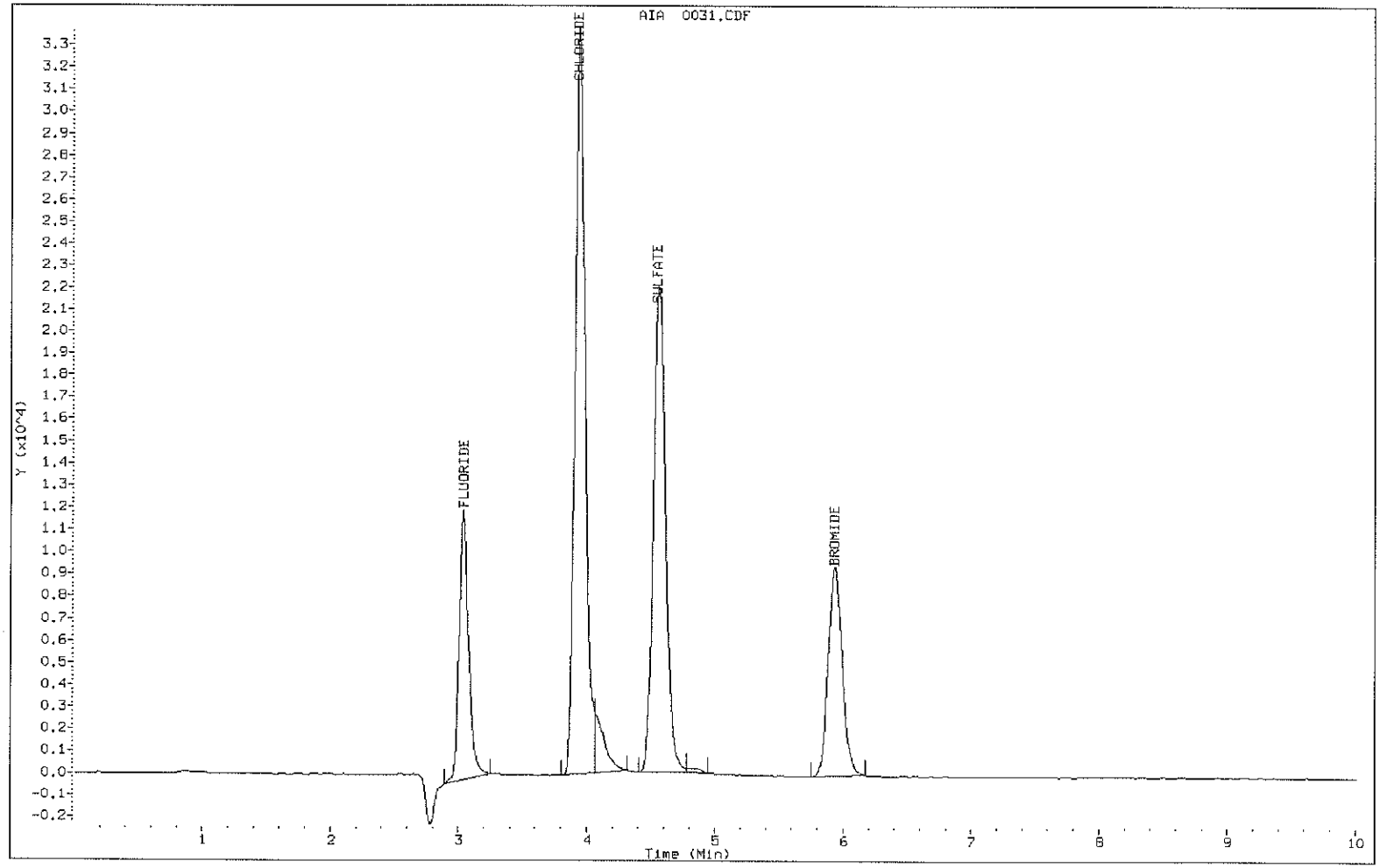
M - Compound response manually integrated.

Data File: 0031.d

Date: 28-APR-2010 23:57

Client ID: ANION-1 Instrument: LCGIC.i

Sample Info: ANION-1~3G042810 Operator: CB



Manual Integration Report

Data File: 0031.d
Inj. Date and Time: 28-APR-2010 23:57
Instrument ID: LCGIC.i
Client ID: ANION-1
Compound: 2 CHLORIDE
CAS #: 16887-00-6
Report Date: 04/29/2010

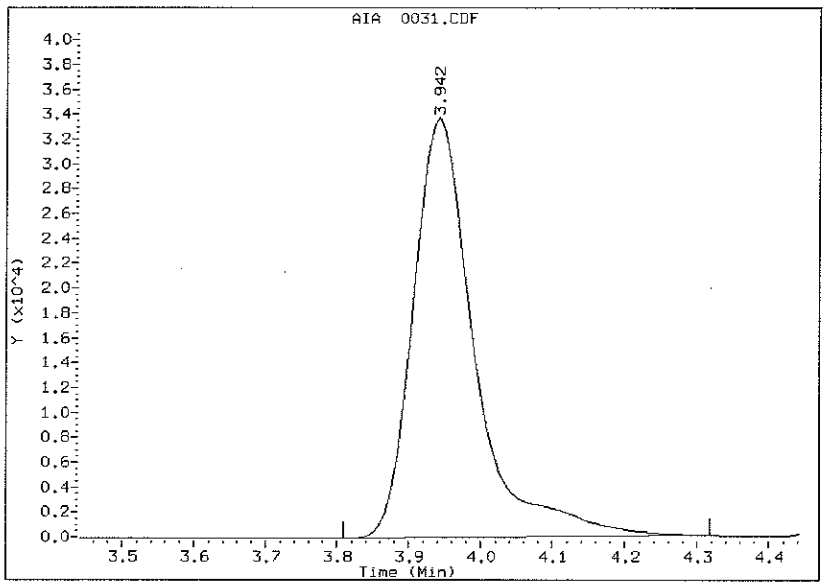
Processing Integration Results

RT: 3.94

Response: 201204

Amount: 1.00

Conc: 1.00



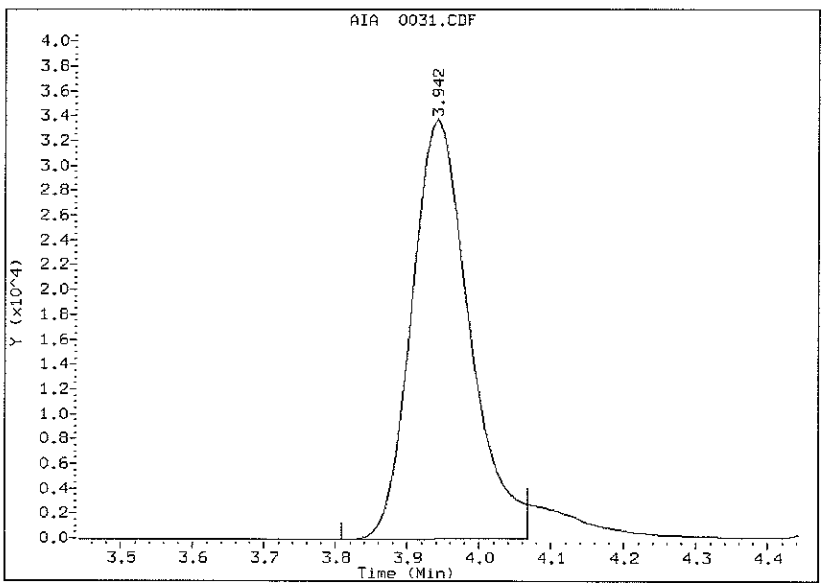
Manual Integration Results

RT: 3.94

Response: 187902

Amount: 1.00

Conc: 1.00



Manually Integrated By: brazellc
Manual Integration Reason: Split Peak

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G042810A-NPW.b/0032.d
Lab Smp Id: IC Client Smp ID: ANION-2
Inj Date : 29-APR-2010 00:09
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-2~3G042810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G042810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Apr-2010 09:51 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:09 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
3.042	3.042	0.000	129195	0.40000	0.41
3 BROMIDE					CAS #: 24959-67-9
5.933	5.933	0.000	152218	2.00000	2.1
2 CHLORIDE					CAS #: 16887-00-6
3.942	3.942	0.000	406827	2.00000	2.1
4 SULFATE					CAS #: 14808-79-8
4.558	4.558	0.000	299459	2.00000	2.0

Data File: 0032.d

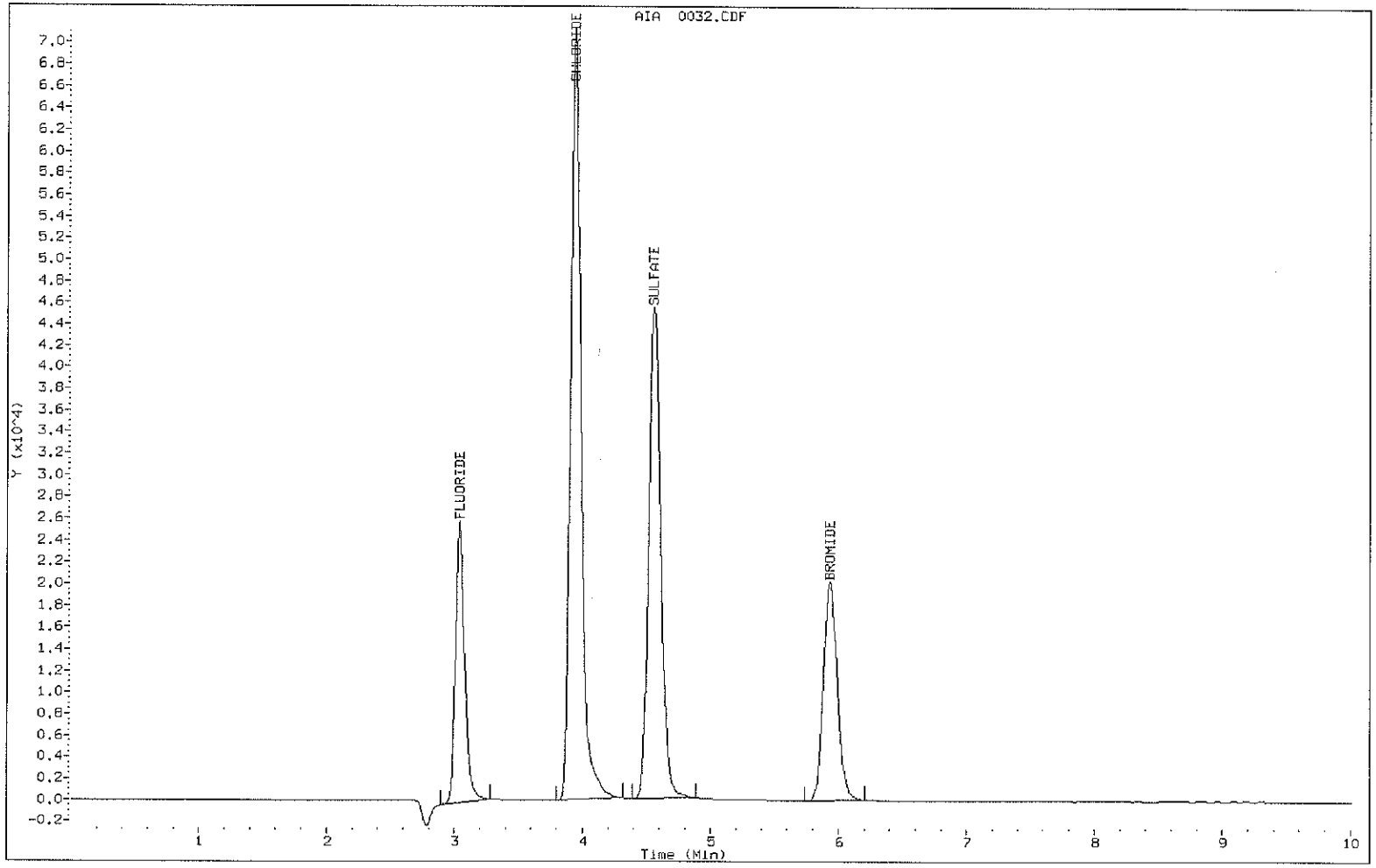
Date: 29-APR-2010 00:09

Client ID: ANION-2

Instrument: LCGIC.i

Sample Info: ANION-2~3G042810

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G042810A-NPW.b/0033.d
Lab Smp Id: IC Client Smp ID: ANION-3
Inj Date : 29-APR-2010 00:21
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-3~3G042810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G042810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Apr-2010 09:51 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:21 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

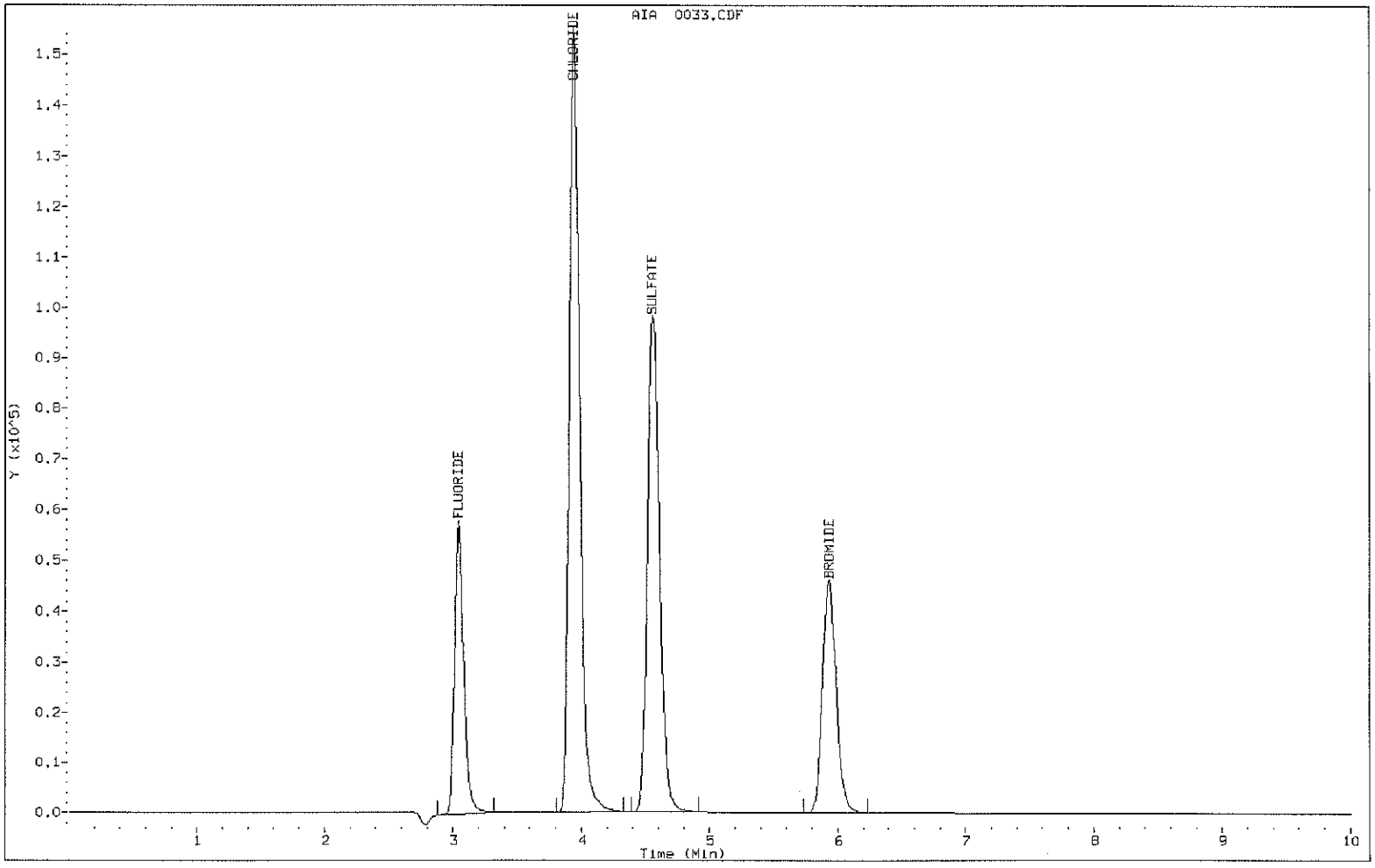
				AMOUNTS	
				CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
1 FLUORIDE					CAS #: 16984-48-8
3.042	3.042	0.000	286714	0.80000	0.87
3 BROMIDE					CAS #: 24959-67-9
5.934	5.934	0.000	345628	4.00000	4.4
2 CHLORIDE					CAS #: 16887-00-6
3.942	3.942	0.000	881242	4.00000	4.3
4 SULFATE					CAS #: 14808-79-8
4.559	4.559	0.000	650997	4.00000	4.3

Data File: 0033.d

Date: 29-APR-2010 00:21

Client ID: ANION-3 Instrument: LCGIC.i

Sample Info: ANION-3~3G042810 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G042810A-NPW.b/0034.d
Lab Smp Id: IC Client Smp ID: ANION-4
Inj Date : 29-APR-2010 00:34
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~3G042810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G042810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Apr-2010 09:51 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:34 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

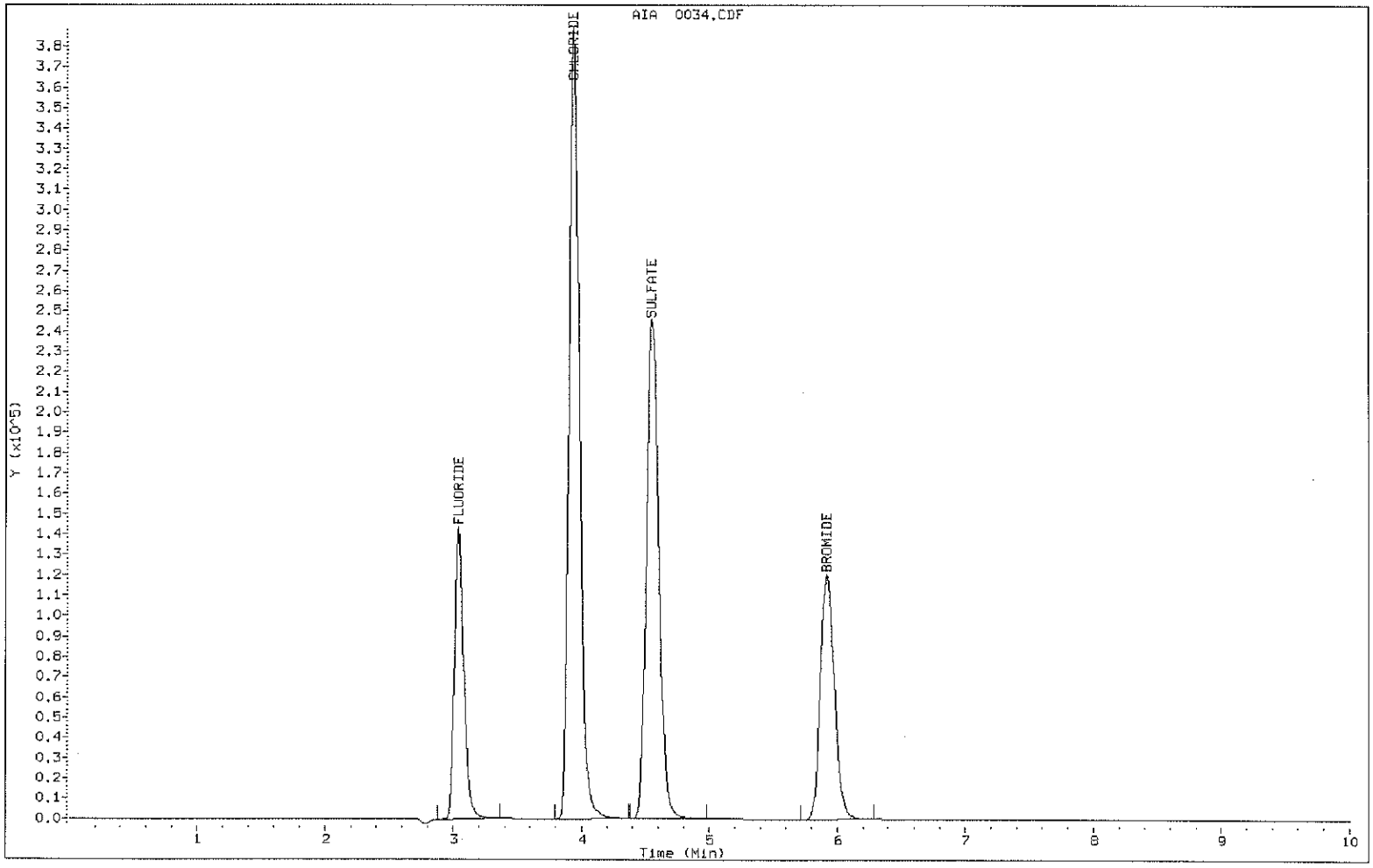
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	ON-COL (mg/L)
1 FLUORIDE					CAS #: 16984-48-8
3.042	3.042	0.000	729671	2.00000	2.2
3 BROMIDE					CAS #: 24959-67-9
5.917	5.917	0.000	928021	10.0000	11
2 CHLORIDE					CAS #: 16887-00-6
3.942	3.942	0.000	2229534	10.0000	11
4 SULFATE					CAS #: 14808-79-8
4.550	4.550	0.000	1662987	10.0000	11

Data File: 0034.d

Date: 29-APR-2010 00:34

Client ID: ANION-4 Instrument: LCGIC.i

Sample Info: ANION-4~3G042810 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G042810A-NPW.b/0035.d
Lab Smp Id: IC Client Smp ID: ANION-5
Inj Date : 29-APR-2010 00:46
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-5~3G042810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G042810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Apr-2010 09:51 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:46 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

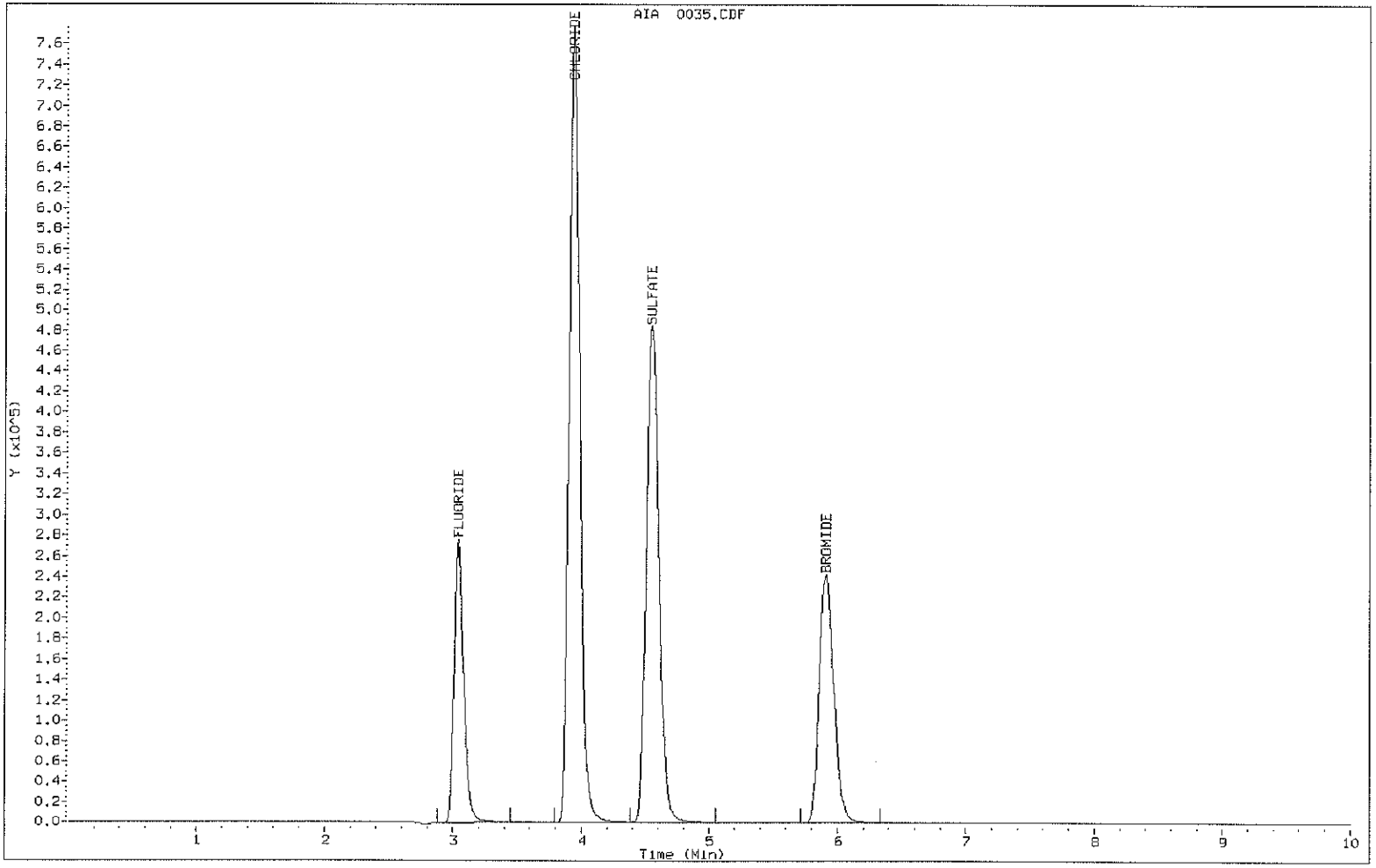
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	ON-COL (mg/L)
1 FLUORIDE					CAS #: 16984-48-8
3.042	3.042	0.000	1439804	4.00000	4.2
3 BROMIDE					CAS #: 24959-67-9
5.909	5.909	0.000	1924141	20.0000	23
2 CHLORIDE					CAS #: 16887-00-6
3.942	3.942	0.000	4496108	20.0000	21
4 SULFATE					CAS #: 14808-79-8
4.550	4.550	0.000	3349291	20.0000	21

Data File: 0035.d

Date: 29-APR-2010 00:46

Client ID: ANION-5 Instrument: LCGIC.i

Sample Info: ANION-5~3G042810 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G042810A-NPW.b/0036.d
Lab Smp Id: IC Client Smp ID: ANION-6
Inj Date : 29-APR-2010 00:59
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-6~3G042810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G042810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 29-Apr-2010 09:51 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	ON-COL (mg/L)	
1 FLUORIDE					CAS #: 16984-48-8	
3.042	3.042	0.000	3365558	10.0000	9.8	
3 BROMIDE					CAS #: 24959-67-9	
5.875	5.875	0.000	4937301	50.0000	57	(A)
2 CHLORIDE					CAS #: 16887-00-6	
3.933	3.933	0.000	11260973	50.0000	53	(A)
4 SULFATE					CAS #: 14808-79-8	
4.533	4.533	0.000	8349504	50.0000	52	(A)

QC Flag Legend

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

Data File: 0036.d

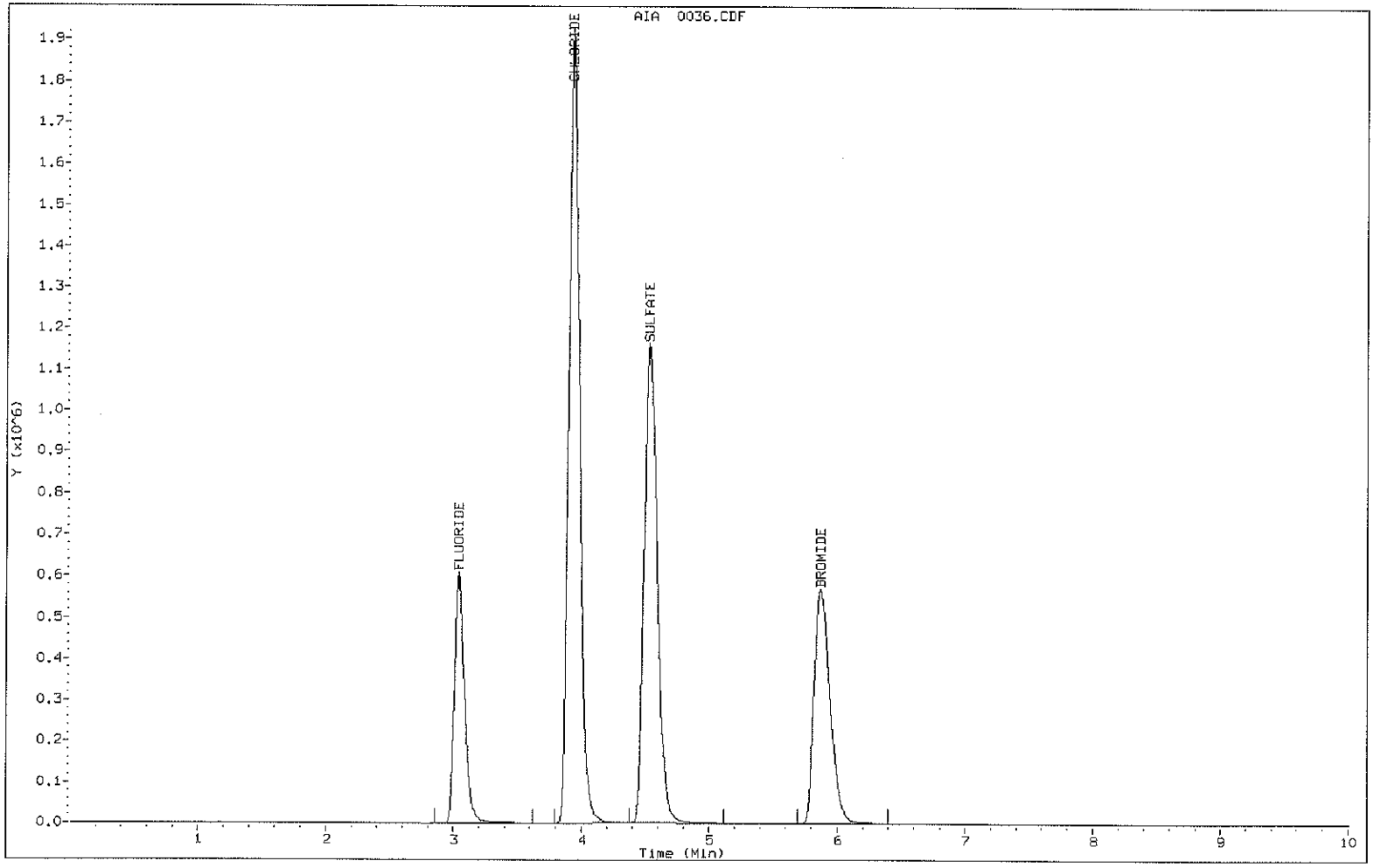
Date: 29-APR-2010 00:59

Client ID: ANION-6

Instrument: LCGIC.i

Sample Info: ANION-6~3G042810

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0019.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 08-MAY-2010 14:12
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~2G050810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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
3.059	3.059	0.000	744363	2.00000	2.2
3 BROMIDE					CAS #: 24959-67-9
5.892	5.892	0.000	932527	10.0000	11
2 CHLORIDE					CAS #: 16887-00-6
3.942	3.942	0.000	2248464	10.0000	11
4 SULFATE					CAS #: 14808-79-8
4.525	4.525	0.000	1700387	10.0000	11

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0020.d
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 08-MAY-2010 14:24
Operator : CB Inst ID: LCGIC.i
Smp Info : MB~2G050810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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: 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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (mg/L)	FINAL (mg/l)

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0021.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 08-MAY-2010 14:36
Operator : CB Inst ID: LCGIC.i
Smp Info : LCS~2G050810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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: 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
3.059	3.059	0.000	741898	2.16795	11	
3 BROMIDE						CAS #: 24959-67-9
5.892	5.892	0.000	926354	10.6455	53	
2 CHLORIDE						CAS #: 16887-00-6
3.942	3.942	0.000	2230873	10.4197	52	
4 SULFATE						CAS #: 14808-79-8
4.525	4.525	0.000	1725256	10.7923	54	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0022.d
Lab Smp Id: 680-57237-D-1 Client Smp ID: ISCO MW 04
Inj Date : 08-MAY-2010 14:49
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-57237-D-1~2G050810
Misc Info : 680-57237-D-1
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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: 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	
3.058	3.059	-0.001	2344260	6.85032	34
2 CHLORIDE				CAS #: 16887-00-6	
3.942	3.942	0.000	1376981	6.43147	32
4 SULFATE				CAS #: 14808-79-8	
4.525	4.525	0.000	1151869	7.20551	36

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0023.d
Lab Smp Id: 680-57237-D-1 MS Client Smp ID: 680-57237-D-1 MS
Inj Date : 08-MAY-2010 15:01
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-57237-D-1 MS~2G050810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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		
3.059	3.059	0.000	3025052	8.83970	44		(R)
3 BROMIDE					CAS #: 24959-67-9		
5.892	5.892	0.000	976379	11.2204	56		(R)
2 CHLORIDE					CAS #: 16887-00-6		
3.942	3.942	0.000	3739652	17.4668	87		(R)
4 SULFATE					CAS #: 14808-79-8		
4.525	4.525	0.000	2919247	18.2613	91		(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0032.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 08-MAY-2010 16:53
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~2G050810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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
3.059	3.059	0.000	749361	2.00000	2.2
3 BROMIDE					CAS #: 24959-67-9
5.900	5.900	0.000	932014	10.0000	11
2 CHLORIDE					CAS #: 16887-00-6
3.950	3.950	0.000	2253187	10.0000	11
4 SULFATE					CAS #: 14808-79-8
4.525	4.525	0.000	1693237	10.0000	11

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0033.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 08-MAY-2010 17:05
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~2G050810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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: 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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (mg/L)	FINAL (mg/l)

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0044.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 08-MAY-2010 19:22
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~2G050810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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
3.059	3.059	0.000	744442	2.00000	2.2
3 BROMIDE					CAS #: 24959-67-9
5.900	5.900	0.000	932222	10.0000	11
2 CHLORIDE					CAS #: 16887-00-6
3.950	3.950	0.000	2248088	10.0000	11
4 SULFATE					CAS #: 14808-79-8
4.534	4.534	0.000	1687913	10.0000	11

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/2G050810A-NPW.b/0045.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 08-MAY-2010 19:34
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~2G050810
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/2G050810A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 09-May-2010 12:49 brazellc Quant Type: ESTD
Cal Date : 29-APR-2010 00:59 Cal File: 0036.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: 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

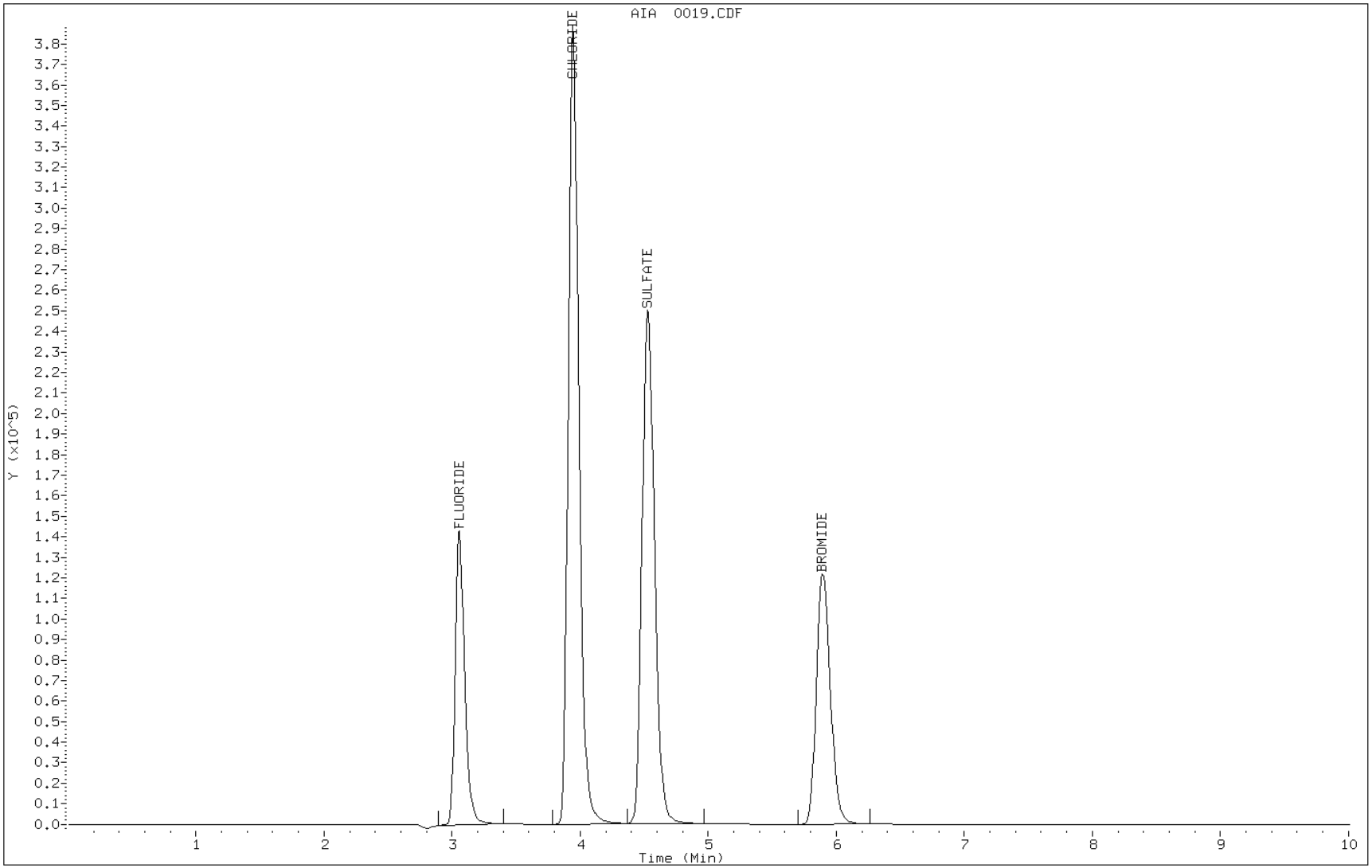
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (mg/L)	FINAL (mg/l)

Data File: 0019.d

Date: 08-MAY-2010 14:12

Client ID: ANION-4 Instrument: LCGIC.i

Sample Info: ANION-4~2G050810 Operator: CB



Data File: 0020.d

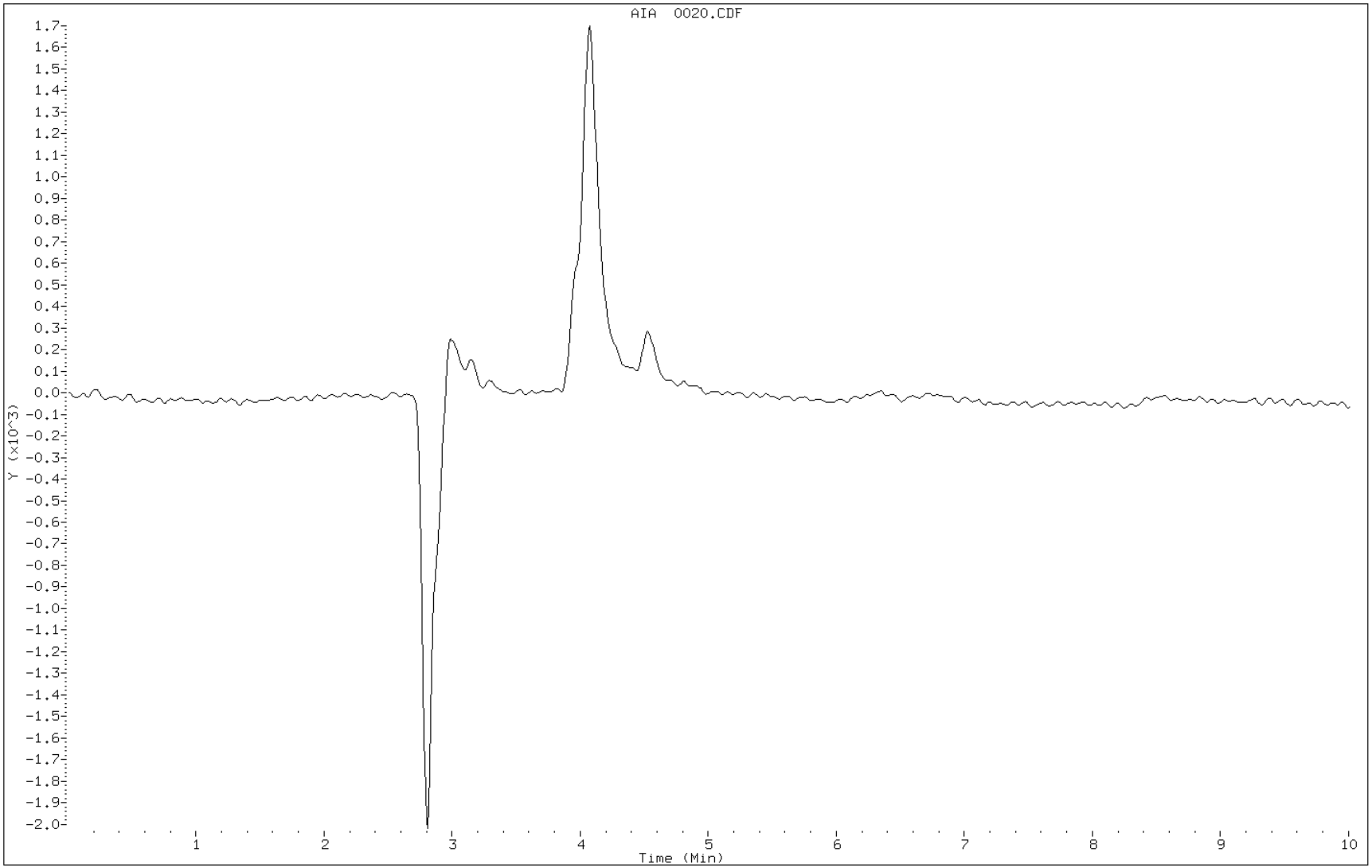
Date: 08-MAY-2010 14:24

Client ID: MB

Instrument: LCGIC.i

Sample Info: MB~2G050810

Operator: CB



Data File: 0021.d

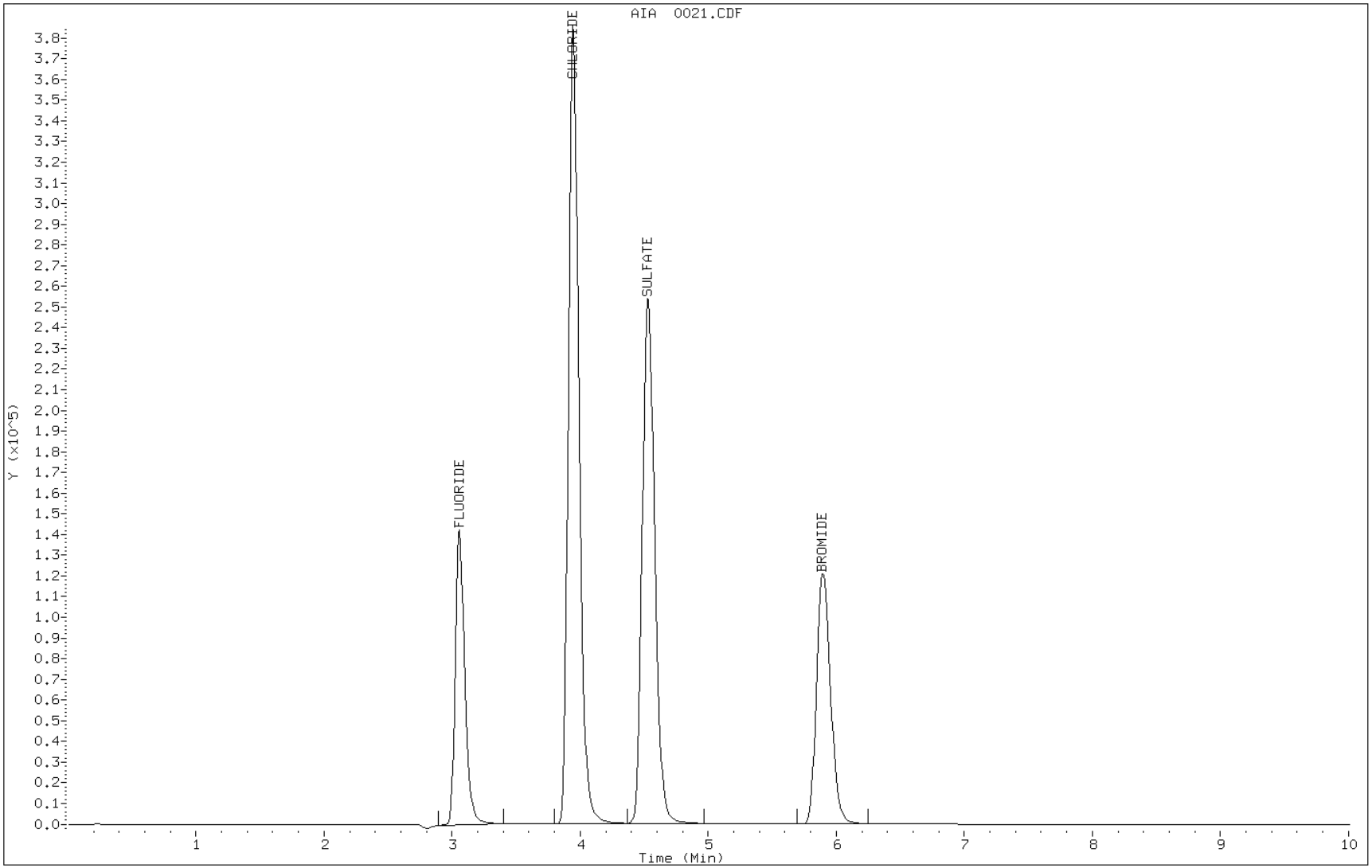
Date: 08-MAY-2010 14:36

Client ID: LCS

Instrument: LCGIC.i

Sample Info: LCS~2G050810

Operator: CB

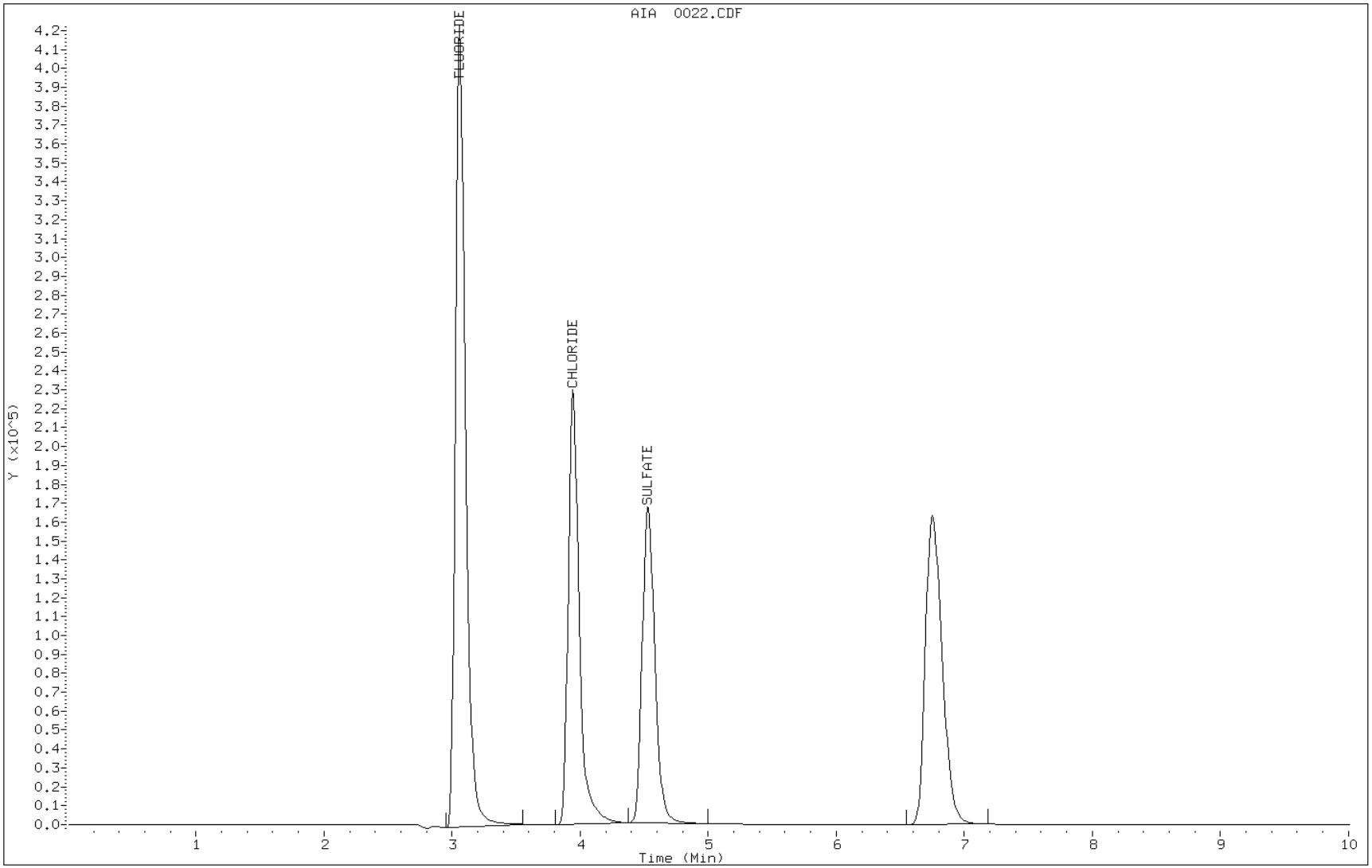


Data File: 0022.d

Date: 08-MAY-2010 14:49

Client ID: ISCO MW 04 Instrument: LCGIC.i

Sample Info: 680-57237-D-1~2G050810 Operator: CB

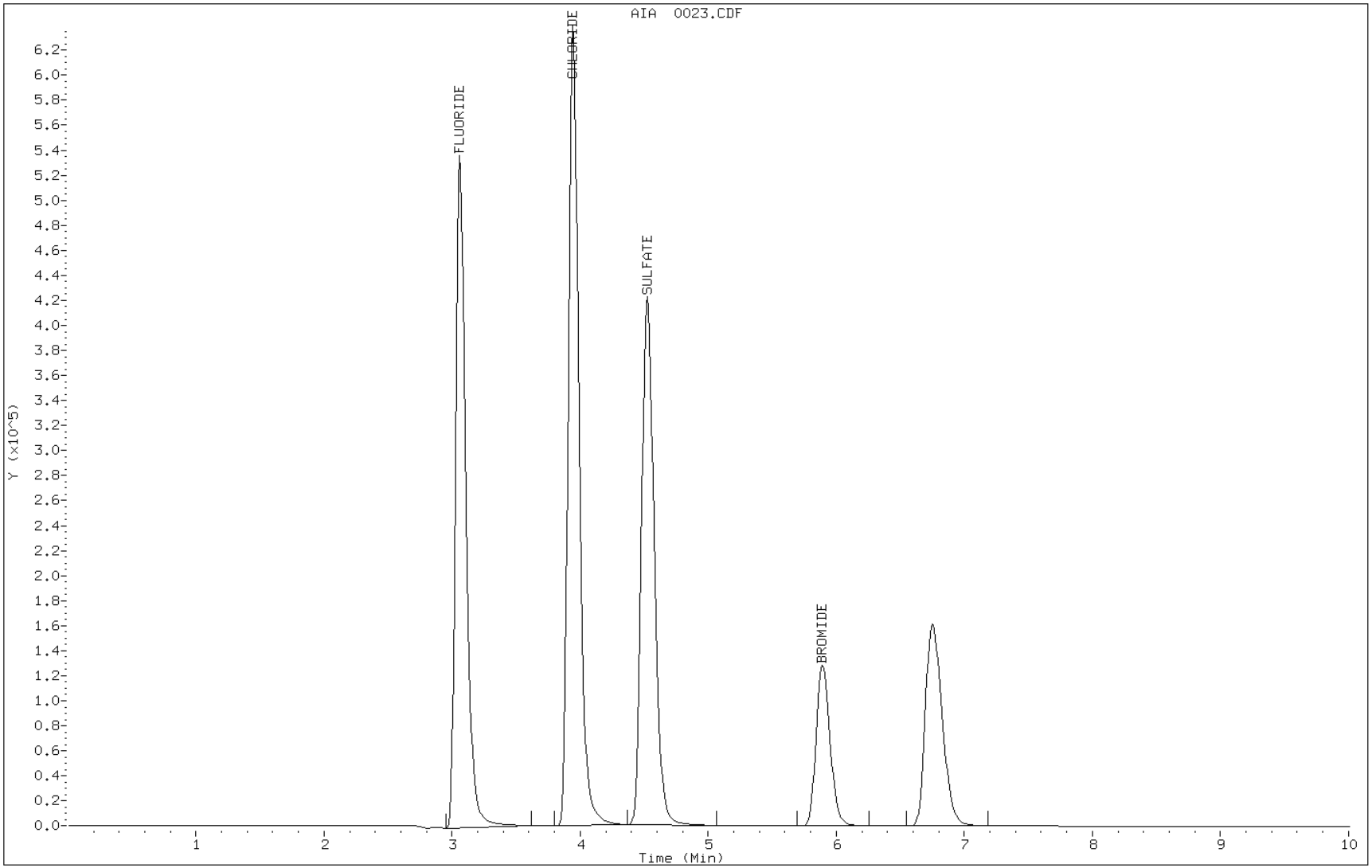


Data File: 0023.d

Date: 08-MAY-2010 15:01

Client ID: 680-57237-D-1 MS Instrument: LCGIC.i

Sample Info: 680-57237-D-1 MS~2G050810 Operator: CB

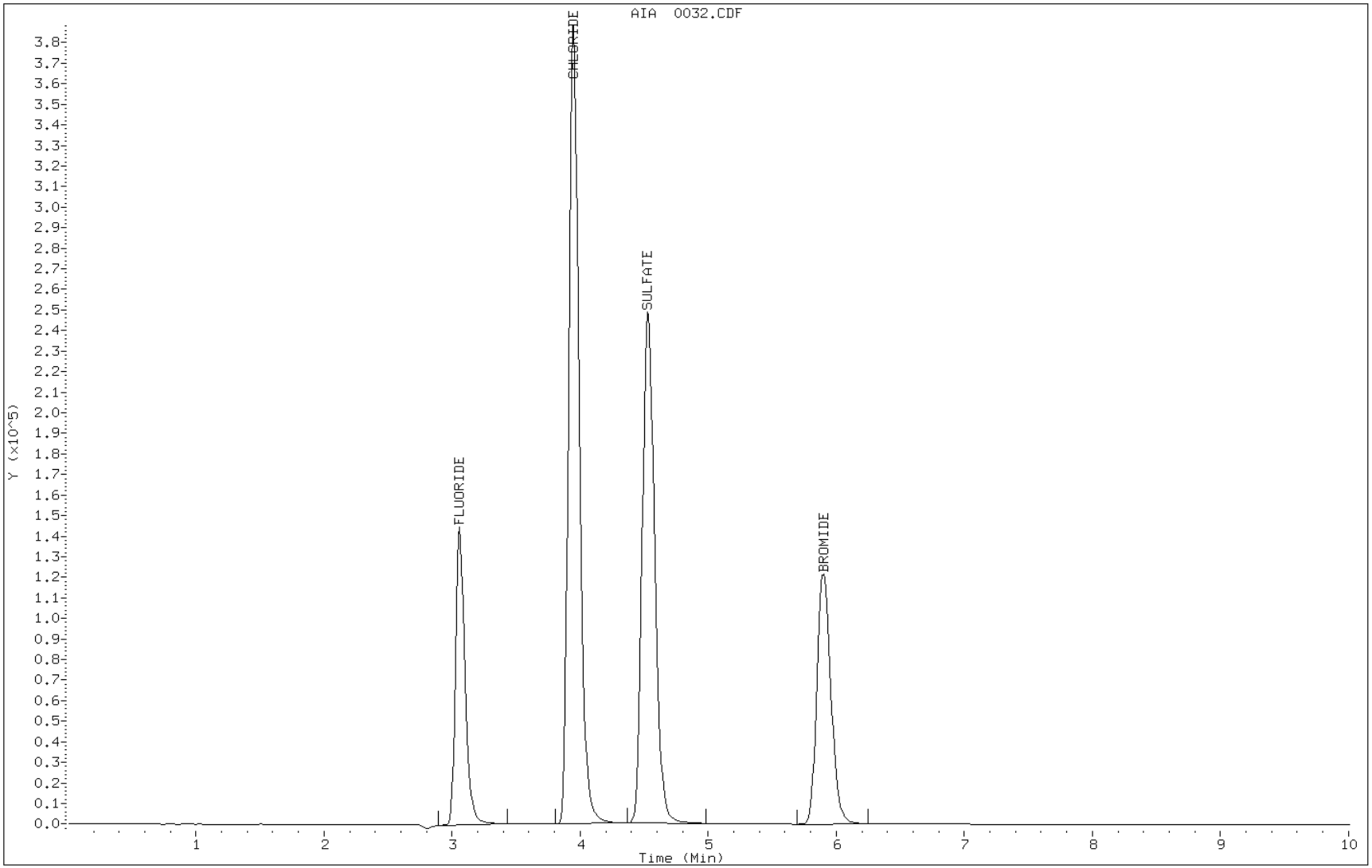


Data File: 0032.d

Date: 08-MAY-2010 16:53

Client ID: ANION-4 Instrument: LCGIC.i

Sample Info: ANION-4~2G050810 Operator: CB



Data File: 0033.d

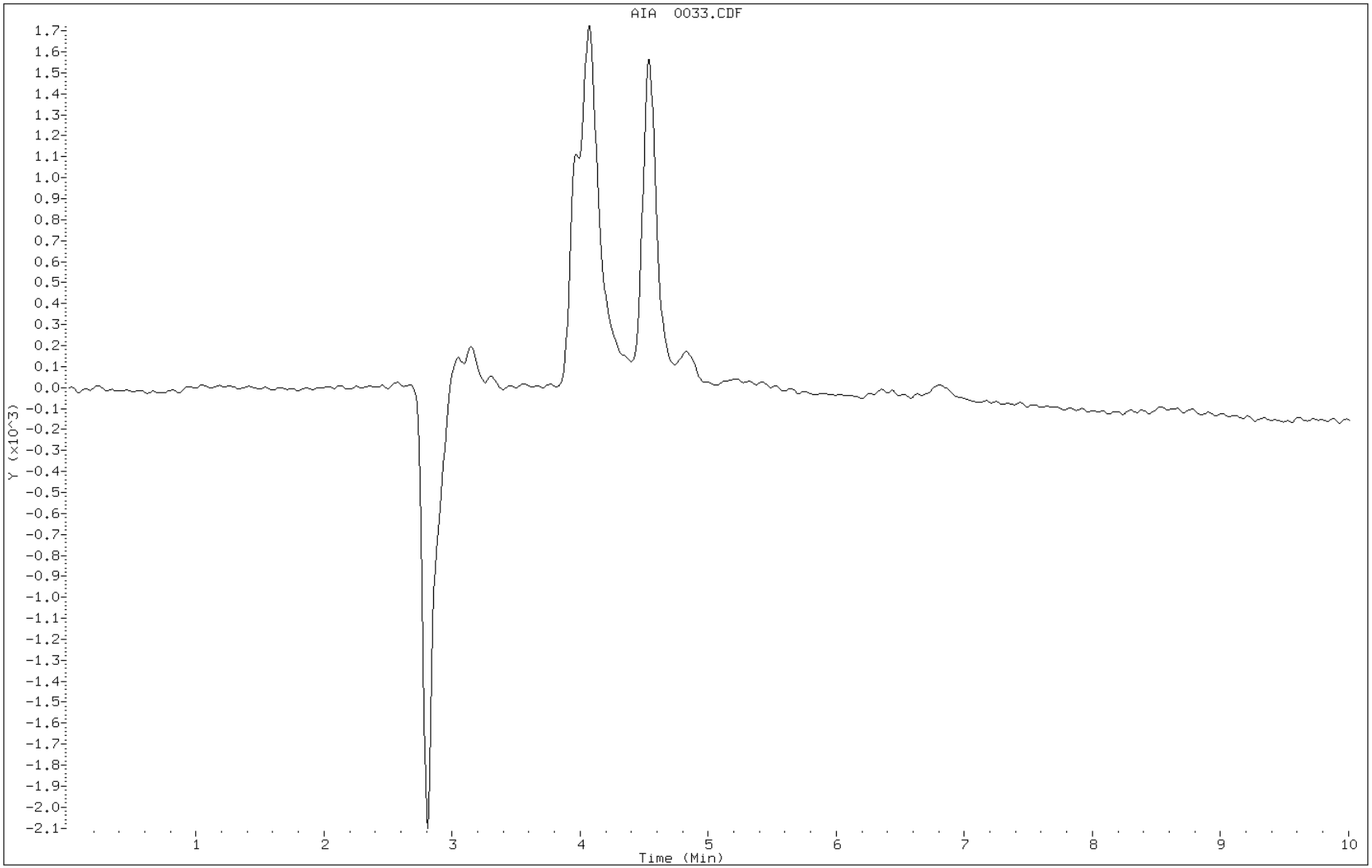
Date: 08-MAY-2010 17:05

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~2G050810

Operator: CB

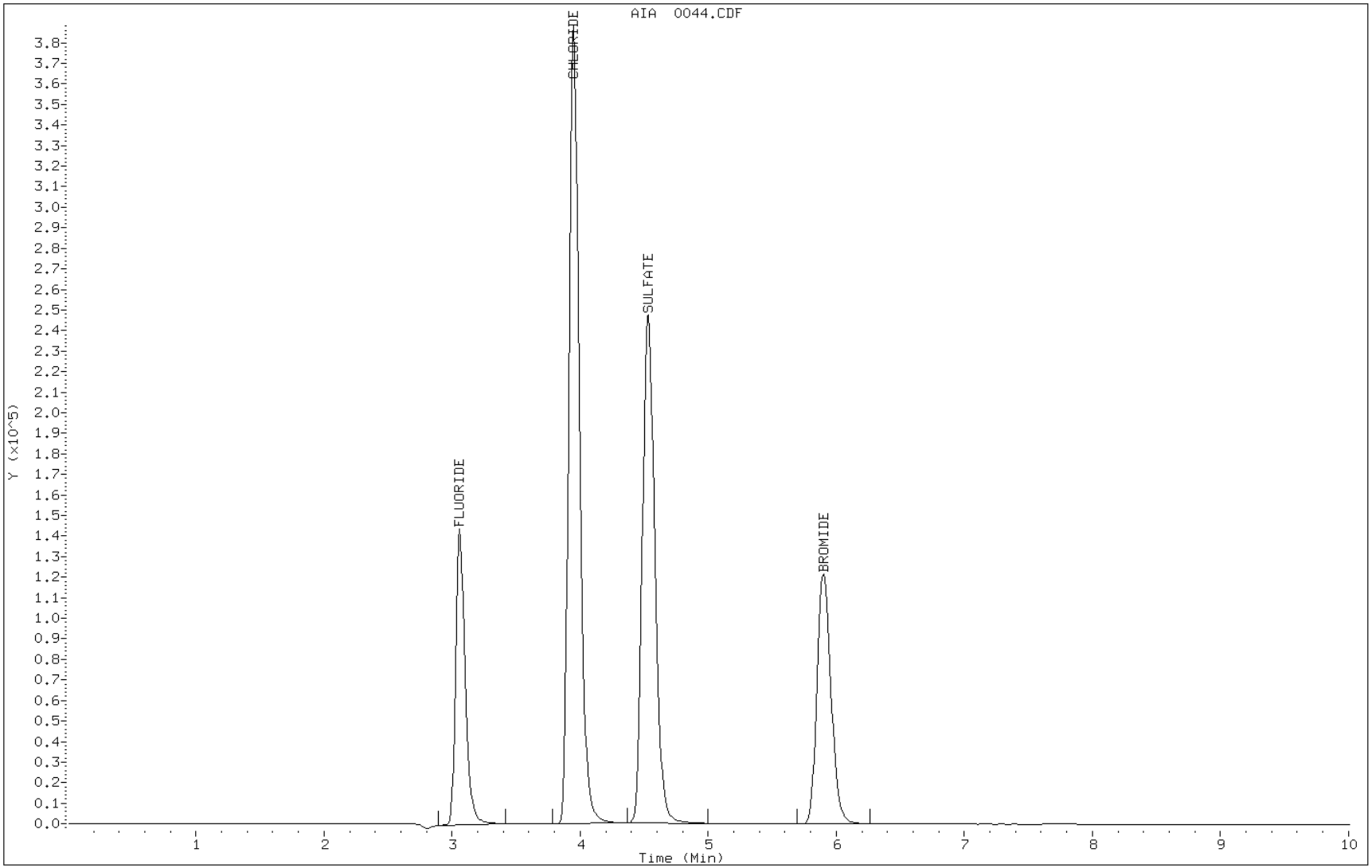


Data File: 0044.d

Date: 08-MAY-2010 19:22

Client ID: ANION-4 Instrument: LCGIC.i

Sample Info: ANION-4~2G050810 Operator: CB



Data File: 0045.d

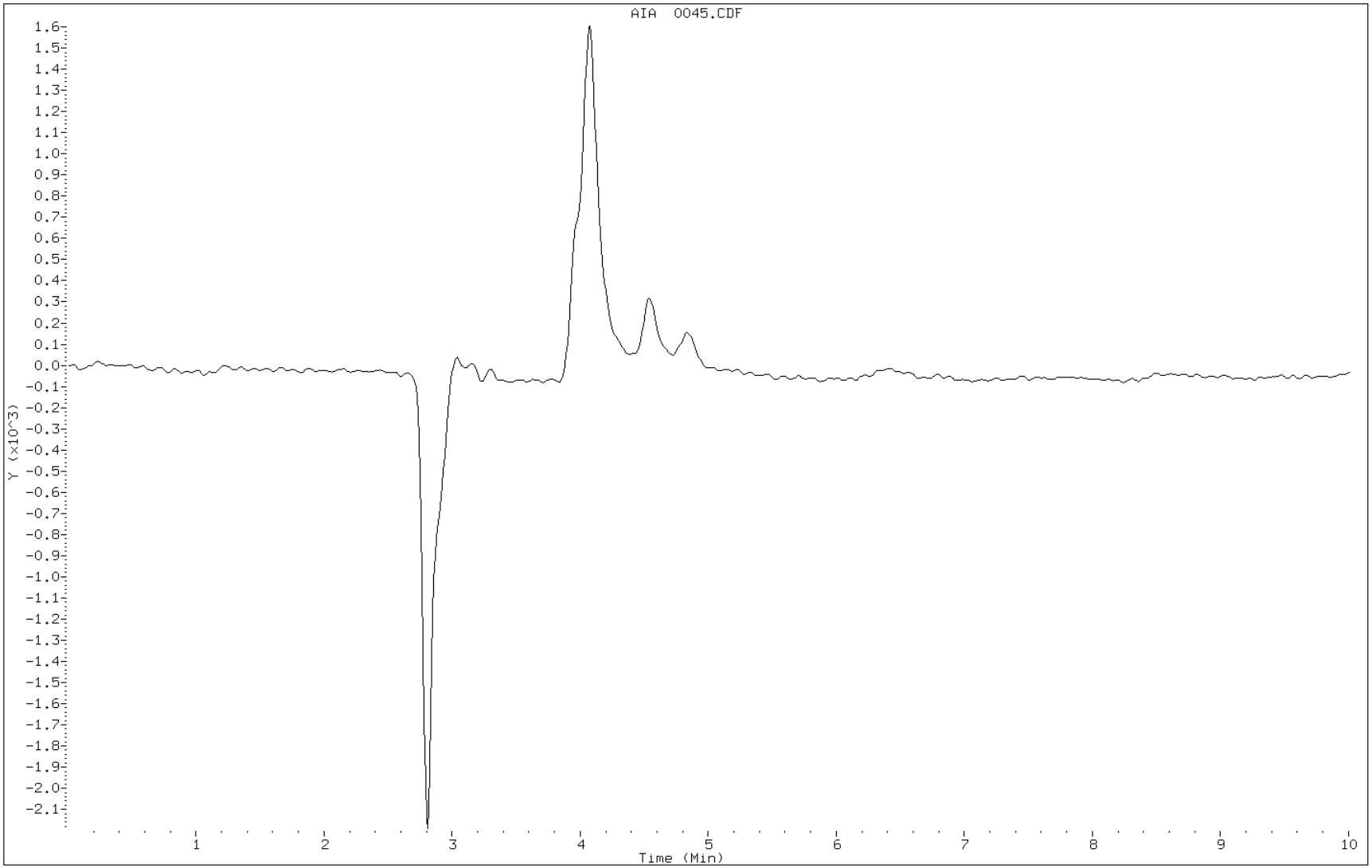
Date: 08-MAY-2010 19:34

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~2G050810

Operator: CB



TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 07-MAY-2010 11:33
End Cal Date : 07-MAY-2010 12:37
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Cal Date : 10-May-2010 13:06 brazellc
Curve Type : Average

Calibration File Names:
Level 1: /chem/LC/LCHIC.i/1H050710A-NPW.b/0004.d
Level 2: /chem/LC/LCHIC.i/1H050710A-NPW.b/0005.d
Level 3: /chem/LC/LCHIC.i/1H050710A-NPW.b/0007.d
Level 4: /chem/LC/LCHIC.i/1H050710A-NPW.b/0008.d
Level 5: /chem/LC/LCHIC.i/1H050710A-NPW.b/0009.d
Level 6: /chem/LC/LCHIC.i/1H050710A-NPW.b/0010.d

Compound	1.000 Level 1	2.000 Level 2	3.000 Level 3	4.000 Level 4	5.000 Level 5	6.000 Level 6	___ RRF	% RSD
1 FLUORIDE	415970	388400	405256	411159	407873	387449	402685	2.976
2 CHLORIDE	303271	295931	312397	313018	310800	311997	307902	2.233
4 BROMIDE	118350	119471	131820	136214	137467	139748	130512	7.169
6 SULFATE	187484	190531	213483	223923	228119	233477	212836	9.215

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0010.d
Lab Smp Id: IC Client Smp ID: ANION-6
Inj Date : 07-MAY-2010 12:37
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-6~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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	
1.833	1.833	0.000	3874488	10.0000	9.6	
2 CHLORIDE					CAS #: 16887-00-6	
2.233	2.233	0.000	15599873	50.0000	51	(A)
4 BROMIDE					CAS #: 24959-67-9	
2.858	2.858	0.000	6987378	50.0000	54	(A)
6 SULFATE					CAS #: 14808-79-8	
3.792	3.792	0.000	11673868	50.0000	55	(A)

QC Flag Legend

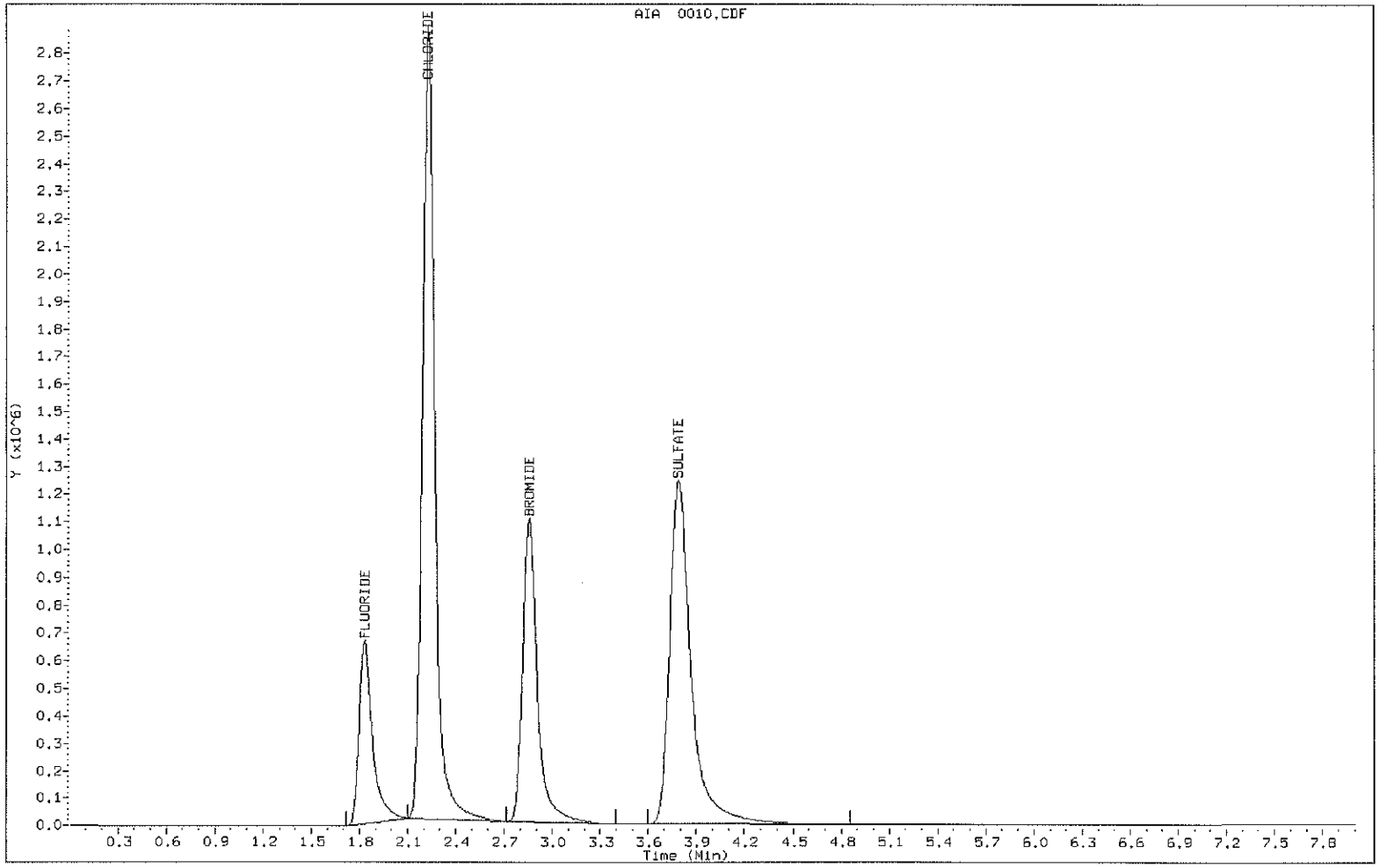
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: 0010.d

Date: 07-MAY-2010 12:37

Client ID: ANION-6 Instrument: LCHIC.i

Sample Info: ANION-6~1H050710 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0004.d
Lab Smp Id: IC Client Smp ID: ANION-1
Inj Date : 07-MAY-2010 11:33
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-1~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 11:33 Cal File: 0004.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

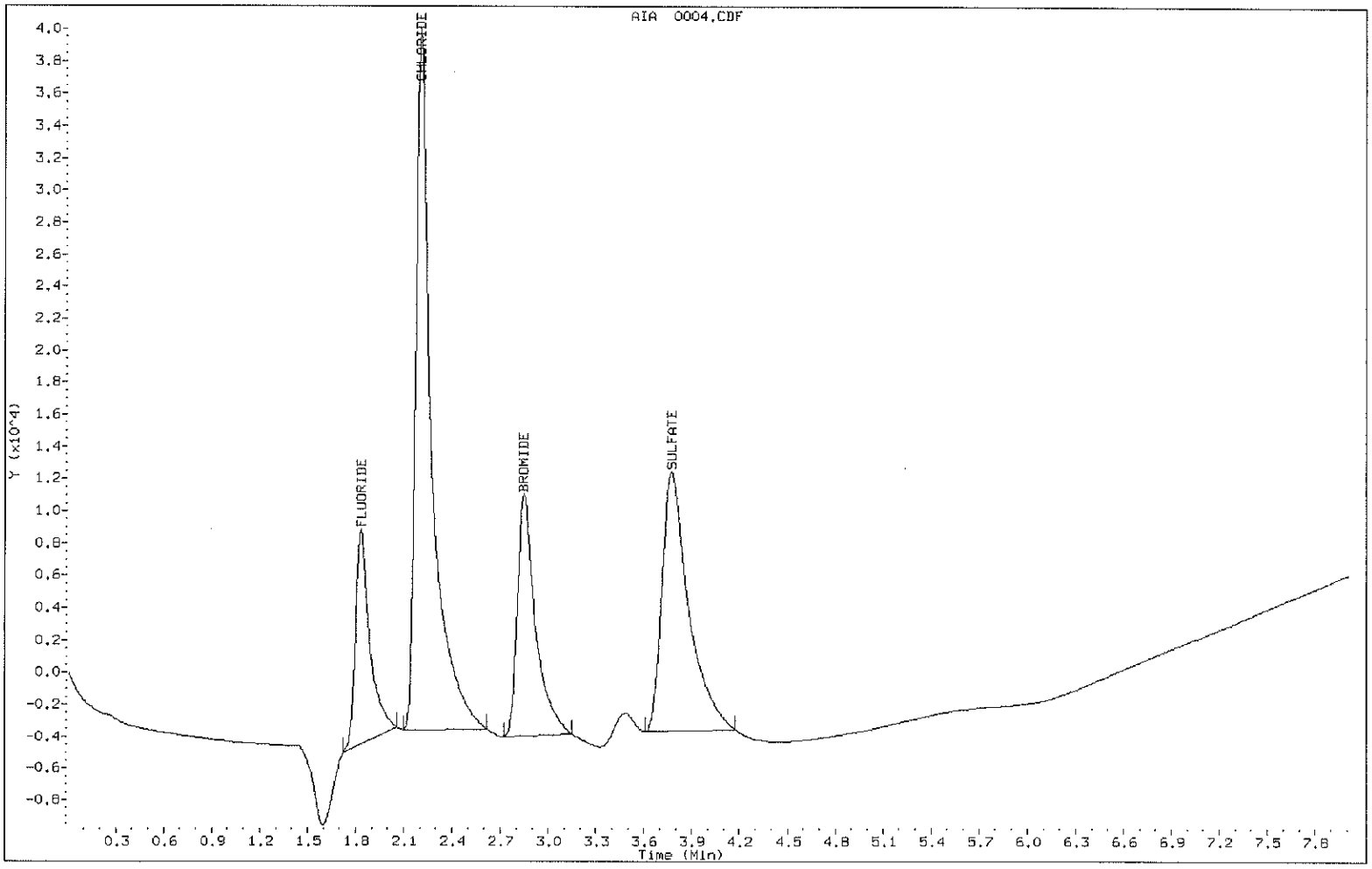
				AMOUNTS	
				CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
1 FLUORIDE					CAS #: 16984-48-8
1.833	1.833	0.000	83194	0.20000	0.20
2 CHLORIDE					CAS #: 16887-00-6
2.208	2.208	0.000	303271	1.00000	1.0
4 BROMIDE					CAS #: 24959-67-9
2.850	2.850	0.000	118350	1.00000	1.0
6 SULFATE					CAS #: 14808-79-8
3.775	3.775	0.000	187484	1.00000	1.0

Data File: 0004.d

Date: 07-MAY-2010 11:33

Client ID: ANION-1 Instrument: LCHIC.i

Sample Info: ANION-1~1H050710 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0005.d
Lab Smp Id: IC Client Smp ID: ANION-2
Inj Date : 07-MAY-2010 11:44
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-2~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 11:44 Cal File: 0005.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

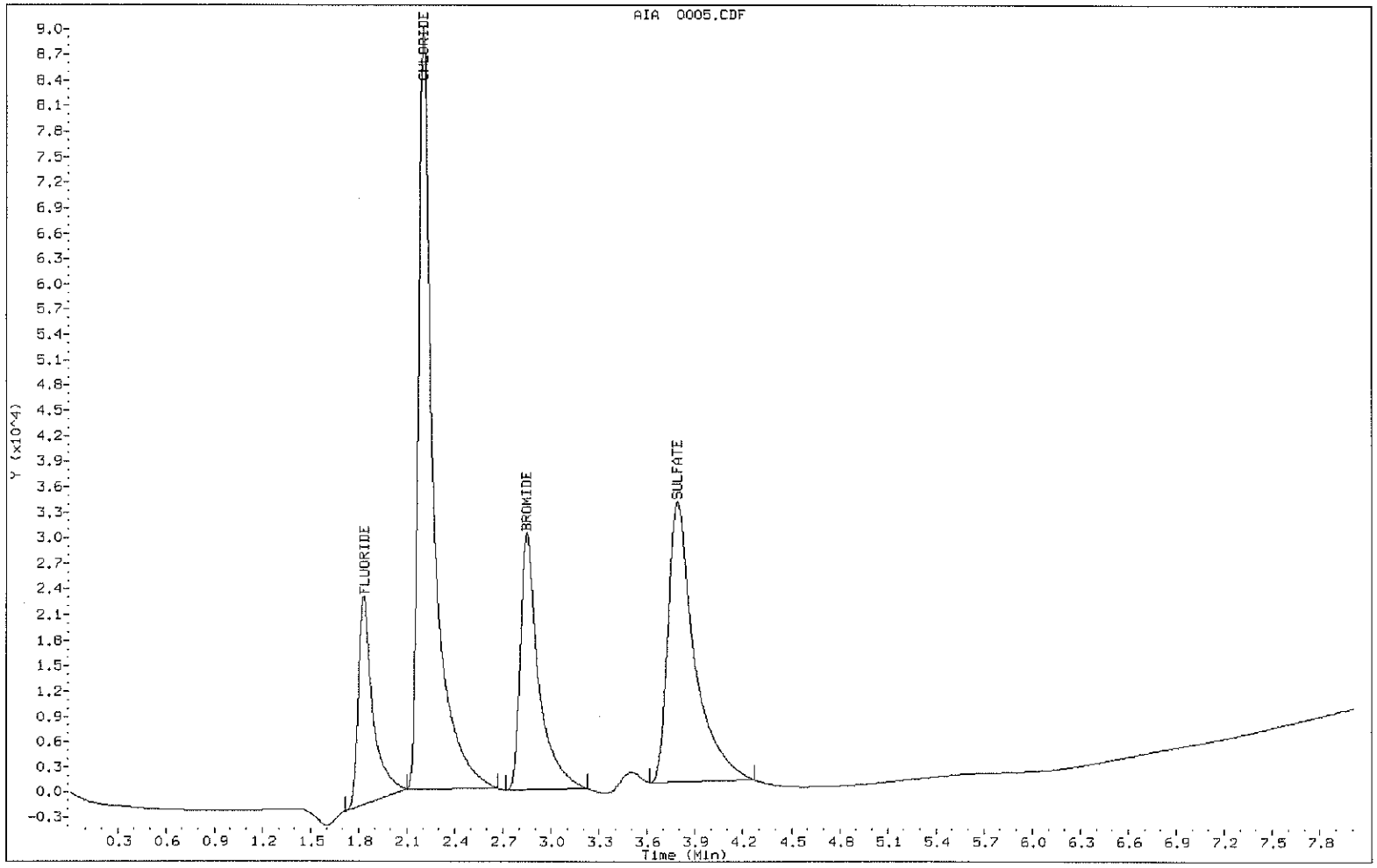
			AMOUNTS		
				CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
1 FLUORIDE					CAS #: 16984-48-8
1.833	1.833	0.000	155360	0.40000	0.39
2 CHLORIDE					CAS #: 16887-00-6
2.208	2.208	0.000	591862	2.00000	2.0
4 BROMIDE					CAS #: 24959-67-9
2.850	2.850	0.000	238942	2.00000	2.0
6 SULFATE					CAS #: 14808-79-8
3.792	3.792	0.000	381063	2.00000	2.0

Data File: 0005.d

Date: 07-MAY-2010 11:44

Client ID: ANION-2 Instrument: LCHIC.i

Sample Info: ANION-2~1H050710 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0007.d
Lab Smp Id: IC Client Smp ID: ANION-3
Inj Date : 07-MAY-2010 12:06
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-3~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:06 Cal File: 0007.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

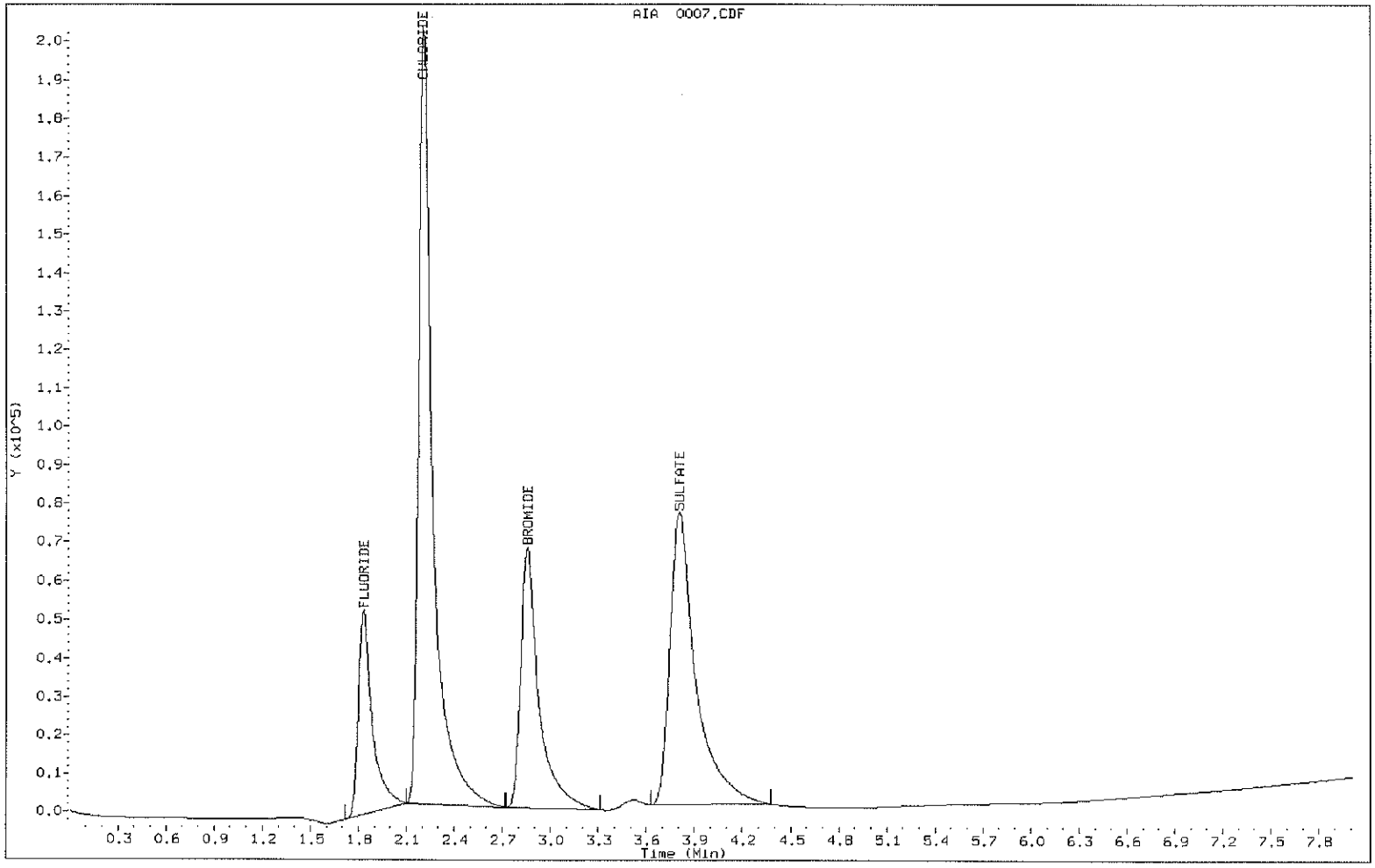
			AMOUNTS		
				CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
1 FLUORIDE					CAS #: 16984-48-8
1.833	1.833	0.000	324205	0.80000	0.80
2 CHLORIDE					CAS #: 16887-00-6
2.208	2.208	0.000	1249586	4.00000	4.1
4 BROMIDE					CAS #: 24959-67-9
2.858	2.858	0.000	527279	4.00000	4.3
6 SULFATE					CAS #: 14808-79-8
3.809	3.809	0.000	853932	4.00000	4.3

Data File: 0007.d

Date: 07-MAY-2010 12:06

Client ID: ANION-3 Instrument: LCHIC.i

Sample Info: ANION-3~1H050710 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0008.d
Lab Smp Id: IC Client Smp ID: ANION-4
Inj Date : 07-MAY-2010 12:16
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-4~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:16 Cal File: 0008.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: None
Processing Host: savchem1

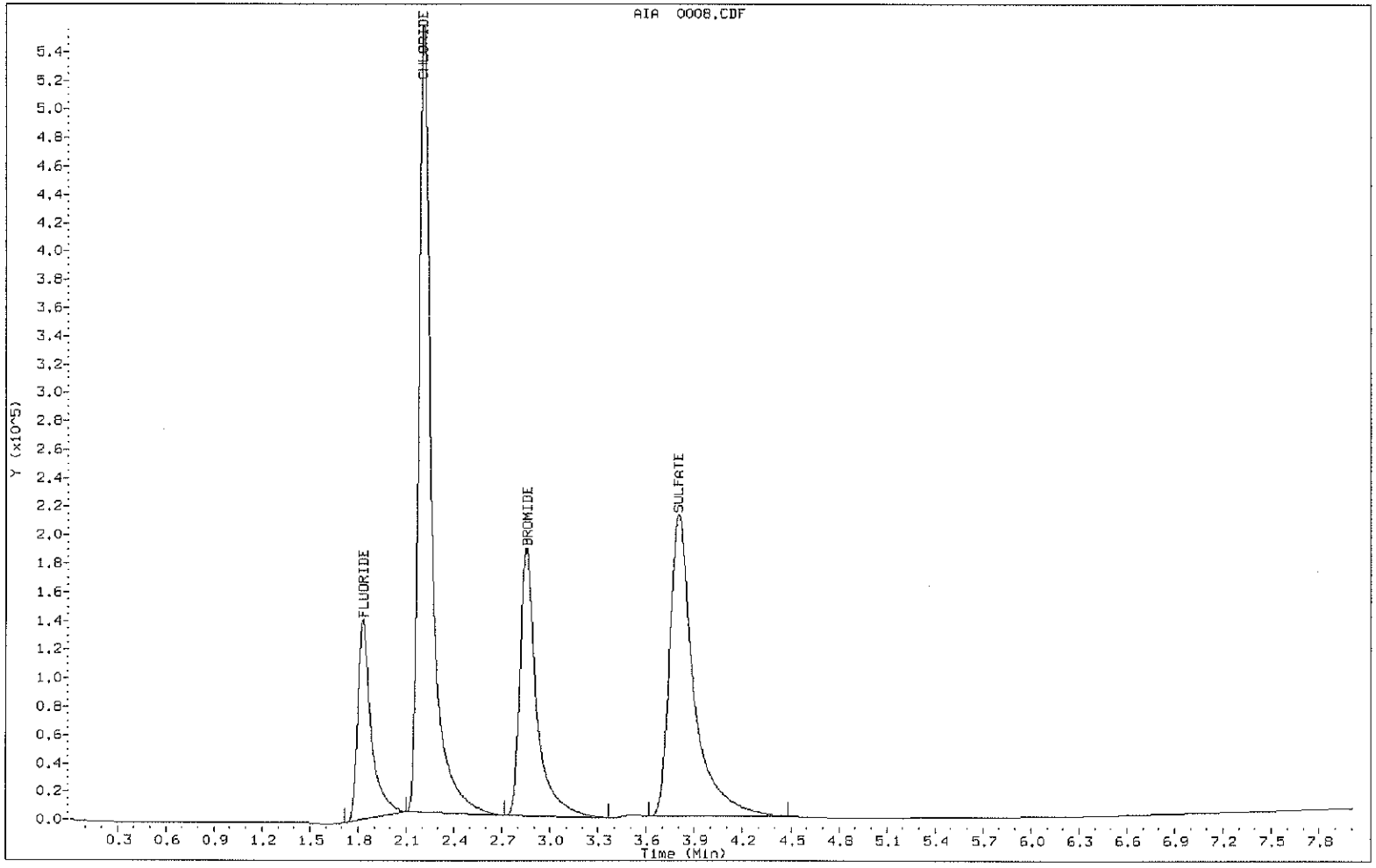
				AMOUNTS	
				CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
1 FLUORIDE					CAS #: 16984-48-8
1.833	1.833	0.000	822318	2.00000	2.0
2 CHLORIDE					CAS #: 16887-00-6
2.208	2.208	0.000	3130183	10.0000	10
4 BROMIDE					CAS #: 24959-67-9
2.858	2.858	0.000	1362144	10.0000	11
6 SULFATE					CAS #: 14808-79-8
3.800	3.800	0.000	2239232	10.0000	11

Data File: 0008.d

Date: 07-MAY-2010 12:16

Client ID: ANION-4 Instrument: LCHIC.i

Sample Info: ANION-4~1H050710 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0009.d
Lab Smp Id: IC Client Smp ID: ANION-5
Inj Date : 07-MAY-2010 12:26
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-5~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:26 Cal File: 0009.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	1631492	4.00000	4.0
2 CHLORIDE					CAS #: 16887-00-6
2.217	2.217	0.000	6215999	20.0000	20
4 BROMIDE					CAS #: 24959-67-9
2.850	2.850	0.000	2749339	20.0000	21
6 SULFATE					CAS #: 14808-79-8
3.800	3.800	0.000	4562383	20.0000	22

Data File: 0009.d

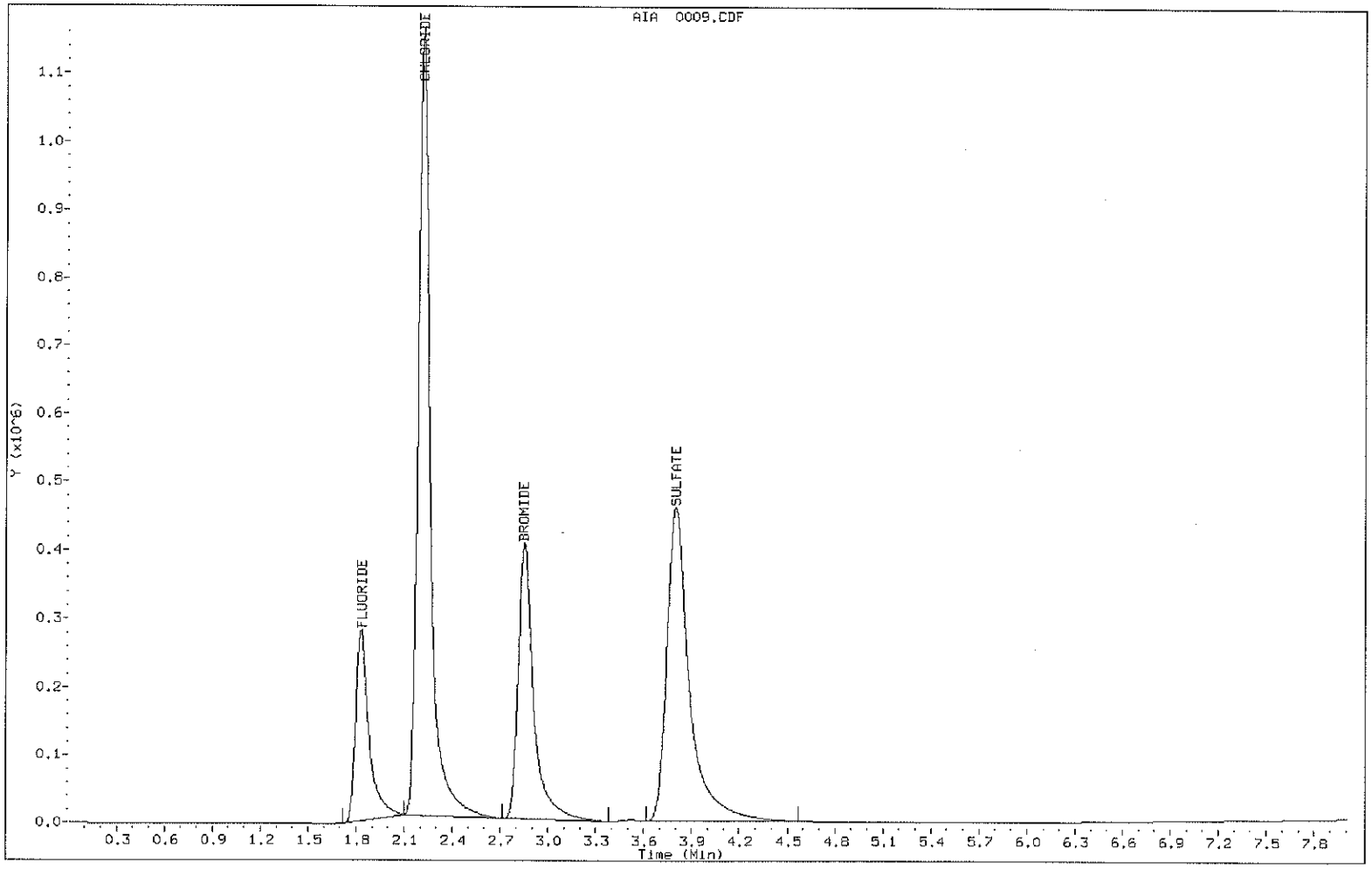
Date: 07-MAY-2010 12:26

Client ID: ANION-5

Instrument: LCHIC.i

Sample Info: ANION-5~1H050710

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0004.d
Lab Smp Id: IC Client Smp ID: ANION-1
Inj Date : 07-MAY-2010 11:33
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-1~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 11:33 Cal File: 0004.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	83194	0.20000	0.20
2 CHLORIDE					CAS #: 16887-00-6
2.208	2.208	0.000	303271	1.00000	1.0
4 BROMIDE					CAS #: 24959-67-9
2.850	2.850	0.000	118350	1.00000	1.0
6 SULFATE					CAS #: 14808-79-8
3.775	3.775	0.000	187484	1.00000	1.0

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0005.d
Lab Smp Id: IC Client Smp ID: ANION-2
Inj Date : 07-MAY-2010 11:44
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-2~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 11:44 Cal File: 0005.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	155360	0.40000	0.39
2 CHLORIDE					CAS #: 16887-00-6
2.208	2.208	0.000	591862	2.00000	2.0
4 BROMIDE					CAS #: 24959-67-9
2.850	2.850	0.000	238942	2.00000	2.0
6 SULFATE					CAS #: 14808-79-8
3.792	3.792	0.000	381063	2.00000	2.0

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0007.d
Lab Smp Id: IC Client Smp ID: ANION-3
Inj Date : 07-MAY-2010 12:06
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-3~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:06 Cal File: 0007.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	324205	0.80000	0.80
2 CHLORIDE					CAS #: 16887-00-6
2.208	2.208	0.000	1249586	4.00000	4.1
4 BROMIDE					CAS #: 24959-67-9
2.858	2.858	0.000	527279	4.00000	4.3
6 SULFATE					CAS #: 14808-79-8
3.809	3.809	0.000	853932	4.00000	4.3

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0008.d
Lab Smp Id: IC Client Smp ID: ANION-4
Inj Date : 07-MAY-2010 12:16
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-4~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:16 Cal File: 0008.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	822318	2.00000	2.0
2 CHLORIDE					CAS #: 16887-00-6
2.208	2.208	0.000	3130183	10.0000	10
4 BROMIDE					CAS #: 24959-67-9
2.858	2.858	0.000	1362144	10.0000	11
6 SULFATE					CAS #: 14808-79-8
3.800	3.800	0.000	2239232	10.0000	11

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0009.d
Lab Smp Id: IC Client Smp ID: ANION-5
Inj Date : 07-MAY-2010 12:26
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-5~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:26 Cal File: 0009.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	1631492	4.00000	4.0
2 CHLORIDE					CAS #: 16887-00-6
2.217	2.217	0.000	6215999	20.0000	20
4 BROMIDE					CAS #: 24959-67-9
2.850	2.850	0.000	2749339	20.0000	21
6 SULFATE					CAS #: 14808-79-8
3.800	3.800	0.000	4562383	20.0000	22

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0010.d
Lab Smp Id: IC Client Smp ID: ANION-6
Inj Date : 07-MAY-2010 12:37
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-6~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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	
1.833	1.833	0.000	3874488	10.0000	9.6	
2 CHLORIDE					CAS #: 16887-00-6	
2.233	2.233	0.000	15599873	50.0000	51	(A)
4 BROMIDE					CAS #: 24959-67-9	
2.858	2.858	0.000	6987378	50.0000	54	(A)
6 SULFATE					CAS #: 14808-79-8	
3.792	3.792	0.000	11673868	50.0000	55	(A)

QC Flag Legend

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

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0011.d
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 07-MAY-2010 12:47
Operator : CB Inst ID: LCHIC.i
Smp Info : MB~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:06 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (mg/L)	FINAL (mg/l)

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0012.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 07-MAY-2010 12:58
Operator : CB Inst ID: LCHIC.i
Smp Info : LCS~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 07-May-2010 13:07 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	811460	2.01513	10	
2 CHLORIDE						CAS #: 16887-00-6
2.217	2.233	-0.016	3094520	10.0503	50	
4 BROMIDE						CAS #: 24959-67-9
2.867	2.858	0.009	1352888	10.3660	52	
6 SULFATE						CAS #: 14808-79-8
3.833	3.792	0.041	2222093	10.4404	52	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0018.d
Lab Smp Id: 680-57237-D-2 Client Smp ID: ISCO MW 01
Inj Date : 07-MAY-2010 14:00
Operator : CB Inst ID: LCHIC.i
Smp Info : 680-57237-D-2~1H050710
Misc Info : 680-57237-D-2
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 08-May-2010 09:57 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	489873	1.21652	6.1	
2 CHLORIDE						CAS #: 16887-00-6
2.217	2.225	-0.008	1613482	5.24024	26	
4 BROMIDE						CAS #: 24959-67-9
2.875	2.875	0.000	921663	7.06192	35	
6 SULFATE						CAS #: 14808-79-8
3.858	3.867	-0.009	1636232	7.68775	38	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0020.d
Lab Smp Id: 680-57237-D-4 Client Smp ID: ISCO IW-05
Inj Date : 07-MAY-2010 14:21
Operator : CB Inst ID: LCHIC.i
Smp Info : 680-57237-D-4~1H050710
Misc Info : 680-57237-D-4
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 08-May-2010 09:57 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.842	1.833	0.009	3174561	7.88349	39	
2 CHLORIDE						CAS #: 16887-00-6
2.217	2.225	-0.008	831884	2.70178	14	
4 BROMIDE						CAS #: 24959-67-9
2.875	2.875	0.000	1252672	9.59817	48	
6 SULFATE						CAS #: 14808-79-8
3.867	3.867	0.000	995925	4.67930	23	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0021.d
Lab Smp Id: 680-57237-D-5 Client Smp ID: ISCO IW-06
Inj Date : 07-MAY-2010 14:31
Operator : CB Inst ID: LCHIC.i
Smp Info : 680-57237-D-5~1H050710
Misc Info : 680-57237-D-5
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 08-May-2010 09:57 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.842	1.833	0.009	2135083	5.30212	27	
2 CHLORIDE						CAS #: 16887-00-6
2.217	2.225	-0.008	1766760	5.73805	29	
4 BROMIDE						CAS #: 24959-67-9
2.875	2.875	0.000	1665849	12.7640	64	
6 SULFATE						CAS #: 14808-79-8
3.858	3.867	-0.009	1661625	7.80706	39	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0022.d
Lab Smp Id: 680-57237-D-6 Client Smp ID: ISCO IW-16
Inj Date : 07-MAY-2010 14:42
Operator : CB Inst ID: LCHIC.i
Smp Info : 680-57237-D-6~1H050710
Misc Info : 680-57237-D-6
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 08-May-2010 09:57 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.842	1.833	0.009	2160104	5.36426	27	
2 CHLORIDE						CAS #: 16887-00-6
2.225	2.225	0.000	1789471	5.81181	29	
4 BROMIDE						CAS #: 24959-67-9
2.875	2.875	0.000	1676576	12.8462	64	
6 SULFATE						CAS #: 14808-79-8
3.867	3.867	0.000	1671160	7.85185	39	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0023.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 07-MAY-2010 14:52
Operator : CB Inst ID: LCHIC.i
Smp Info : ANION-4~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 08-May-2010 09:57 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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
1.833	1.833	0.000	836044	2.00000	2.1
2 CHLORIDE					CAS #: 16887-00-6
2.225	2.225	0.000	3118435	10.0000	10
4 BROMIDE					CAS #: 24959-67-9
2.875	2.875	0.000	1357102	10.0000	10
6 SULFATE					CAS #: 14808-79-8
3.867	3.867	0.000	2228044	10.0000	10

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCHIC.i/1H050710A-NPW.b/0024.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 07-MAY-2010 15:02
Operator : CB Inst ID: LCHIC.i
Smp Info : CCB~1H050710
Misc Info : None
Comment :
Method : /chem/LC/LCHIC.i/1H050710A-NPW.b/h-NPW-300-9056.m
Meth Date : 08-May-2010 09:57 brazellc Quant Type: ESTD
Cal Date : 07-MAY-2010 12:37 Cal File: 0010.d
Als bottle: 1 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.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

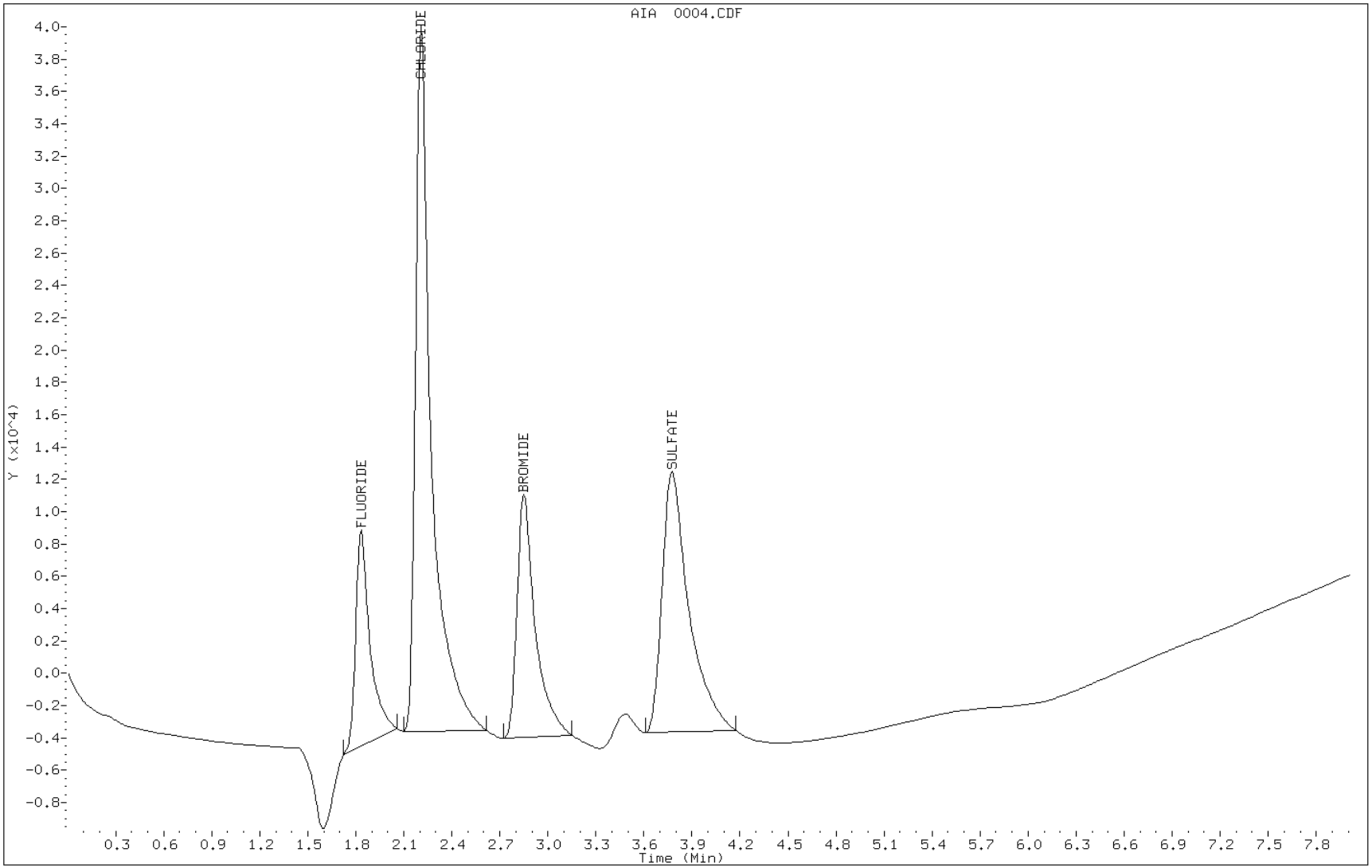
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (mg/L)	FINAL (mg/l)

Data File: 0004.d

Date: 07-MAY-2010 11:33

Client ID: ANION-1 Instrument: LCHIC.i

Sample Info: ANION-1~1H050710 Operator: CB

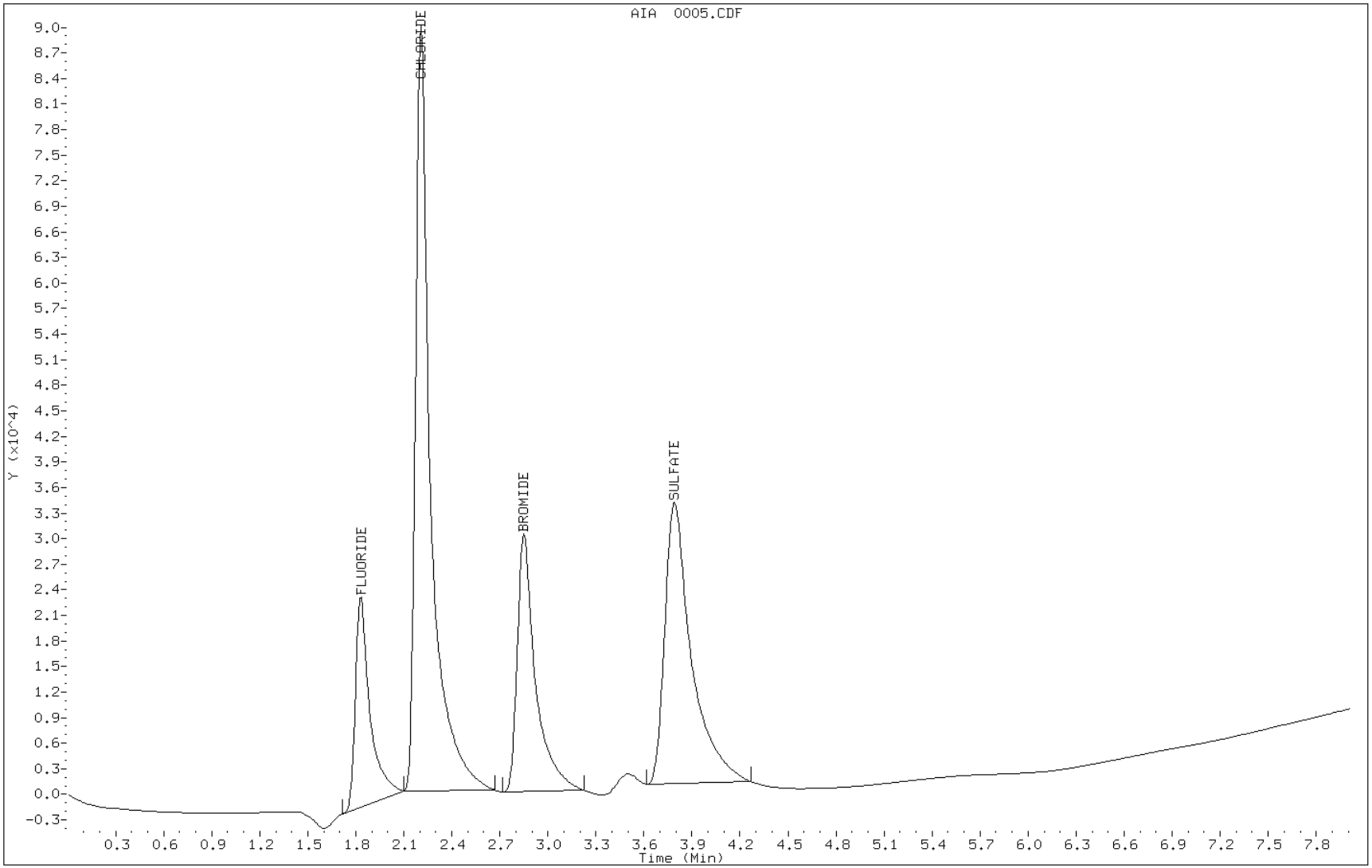


Data File: 0005.d

Date: 07-MAY-2010 11:44

Client ID: ANION-2 Instrument: LCHIC.i

Sample Info: ANION-2~1H050710 Operator: CB

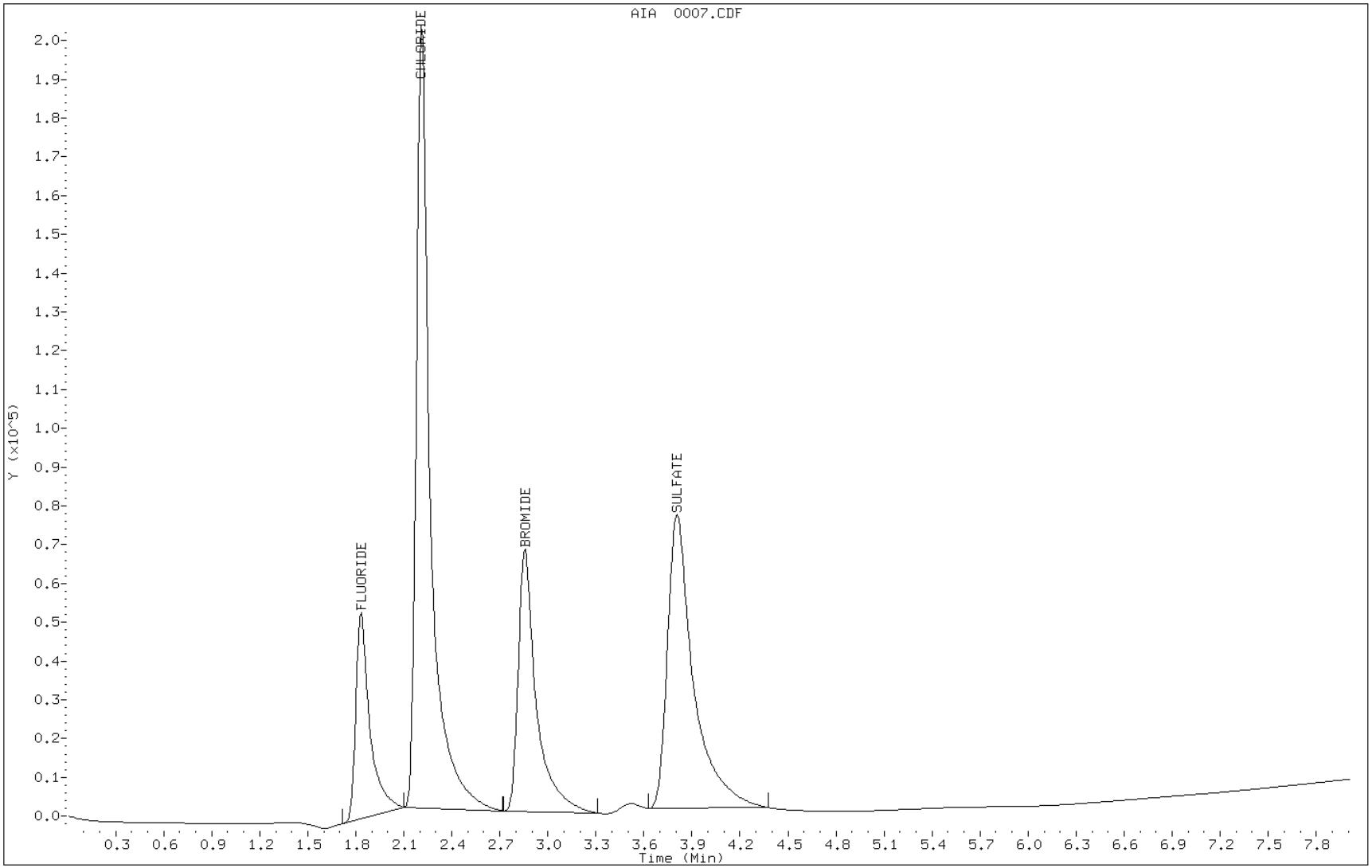


Data File: 0007.d

Date: 07-MAY-2010 12:06

Client ID: ANION-3 Instrument: LCHIC.i

Sample Info: ANION-3~1H050710 Operator: CB

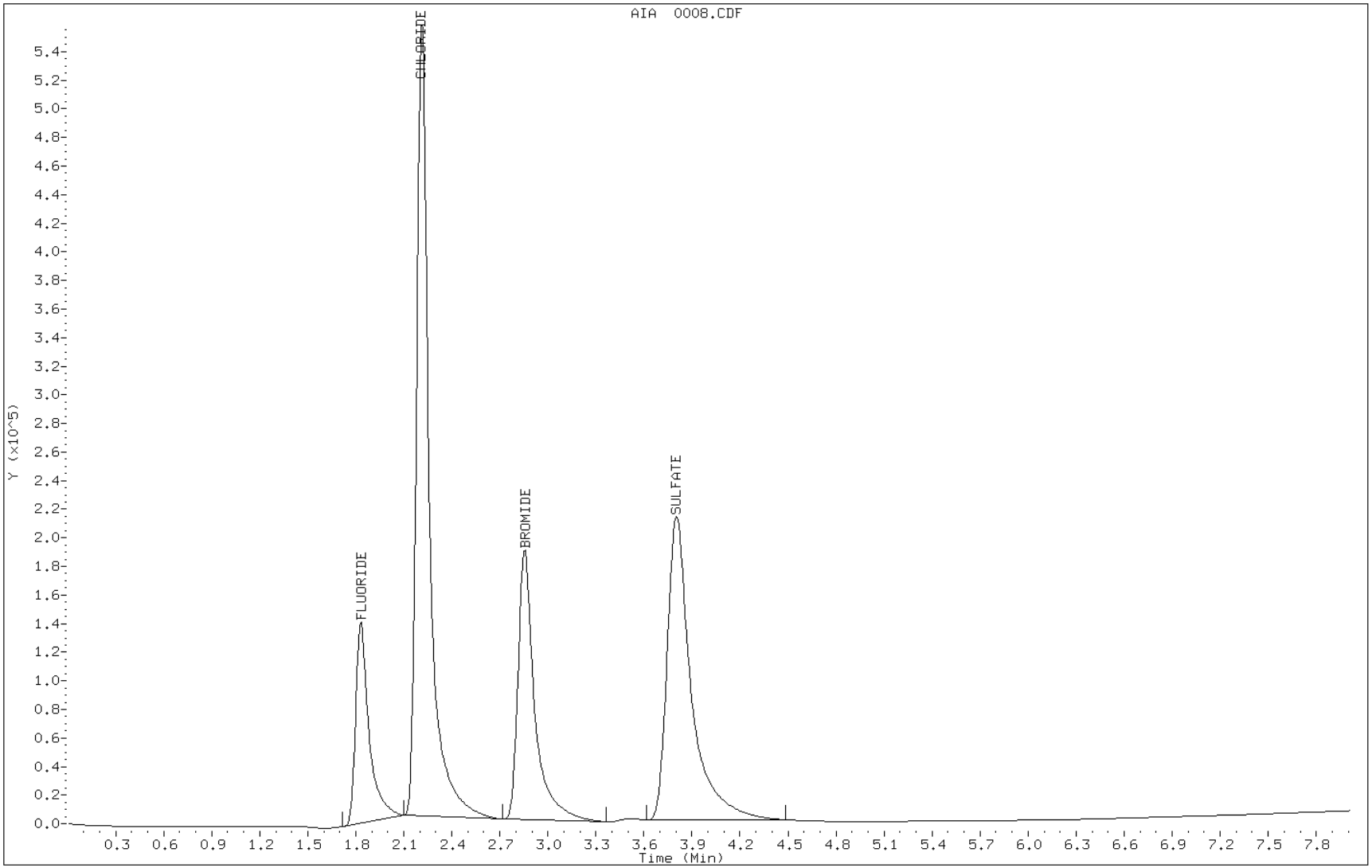


Data File: 0008.d

Date: 07-MAY-2010 12:16

Client ID: ANION-4 Instrument: LCHIC.i

Sample Info: ANION-4~1H050710 Operator: CB

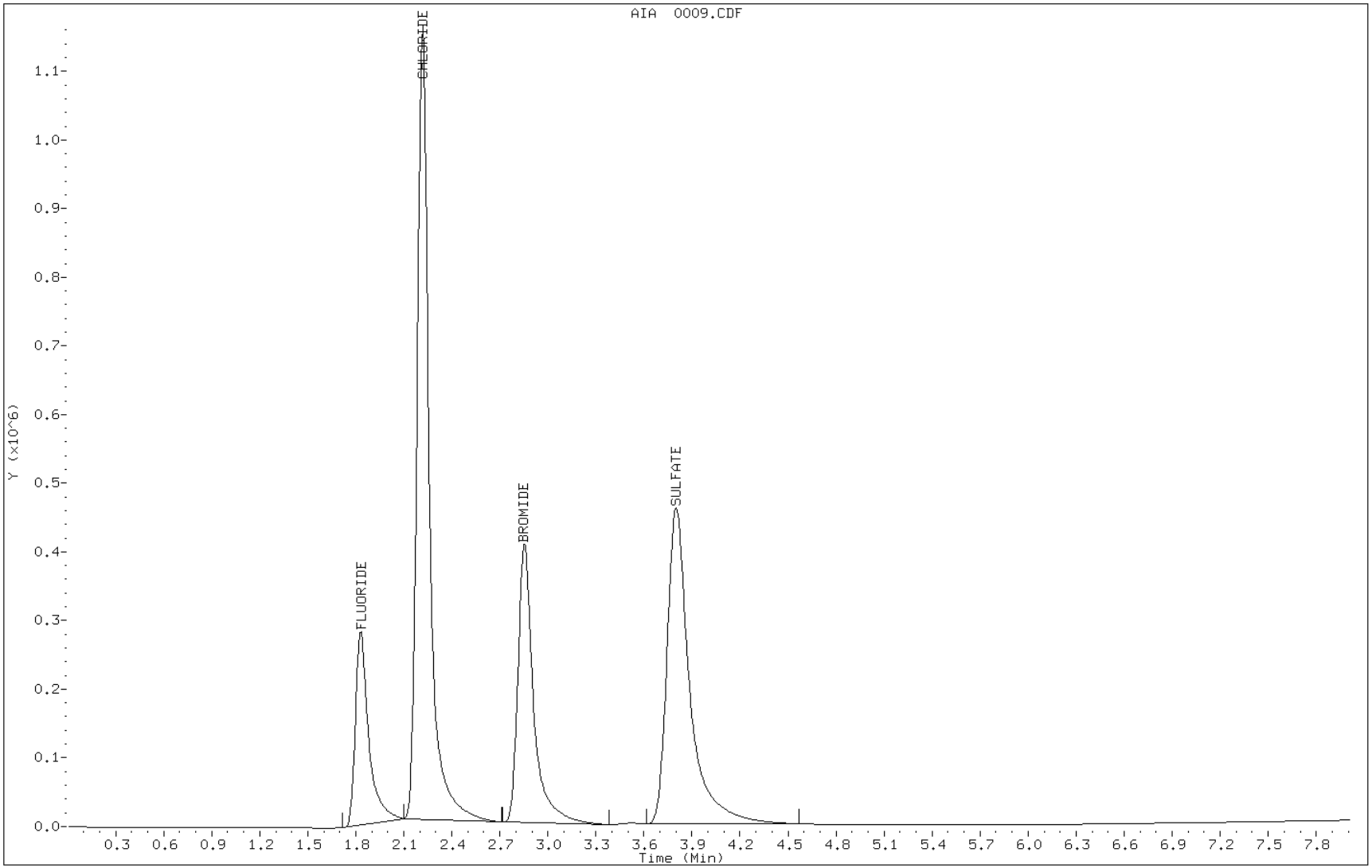


Data File: 0009.d

Date: 07-MAY-2010 12:26

Client ID: ANION-5 Instrument: LCHIC.i

Sample Info: ANION-5~1H050710 Operator: CB

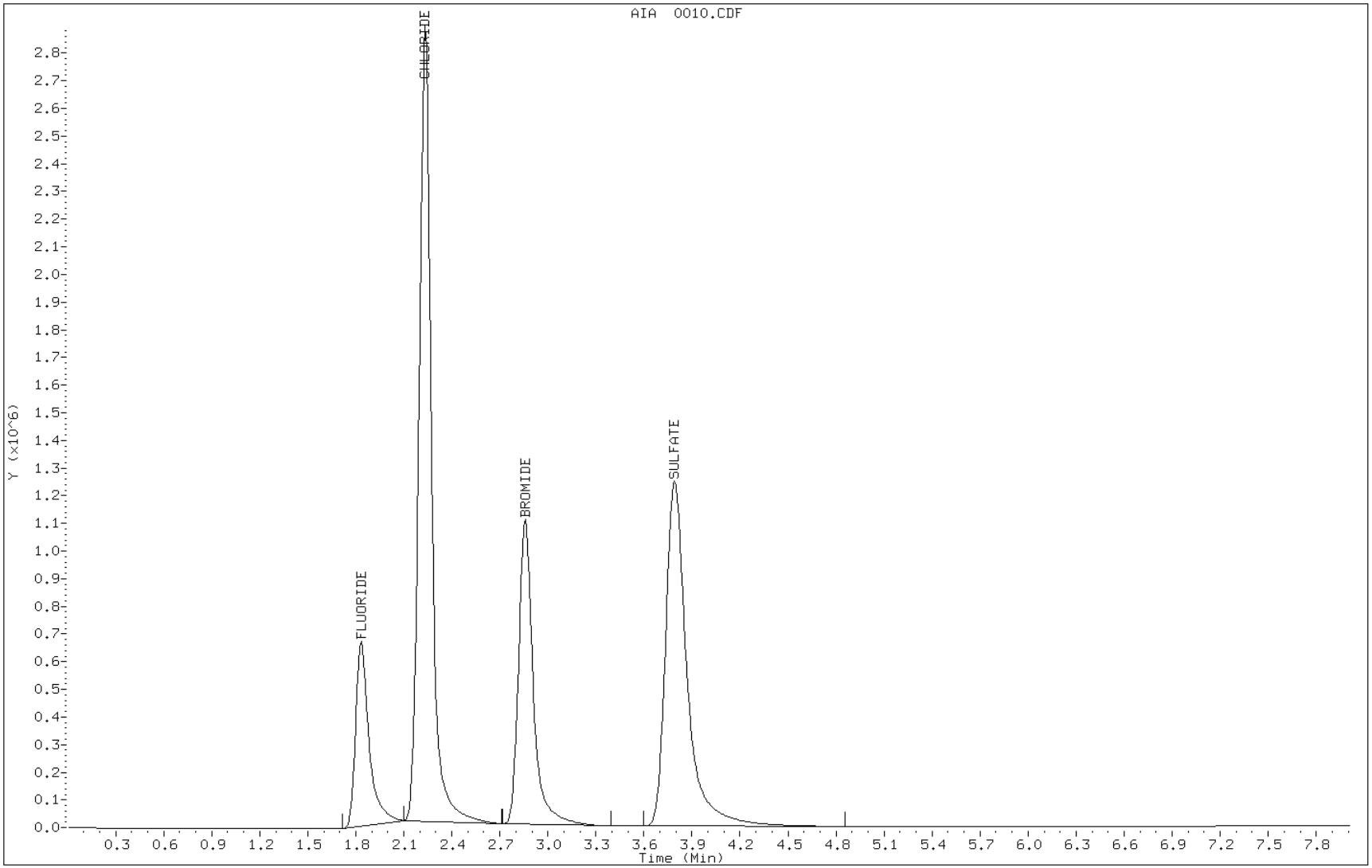


Data File: 0010.d

Date: 07-MAY-2010 12:37

Client ID: ANION-6 Instrument: LCHIC.i

Sample Info: ANION-6~1H050710 Operator: CB



Data File: 0011.d

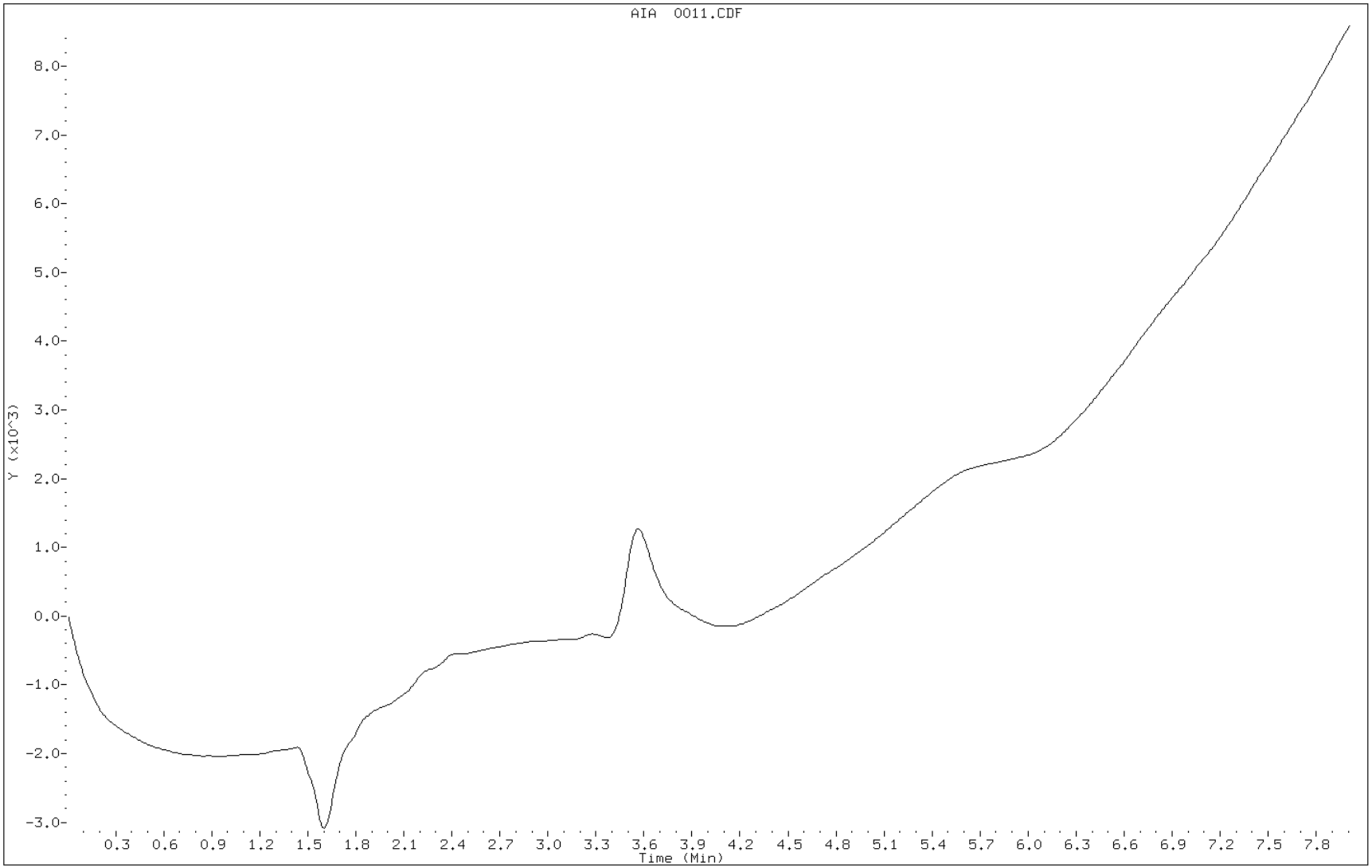
Date: 07-MAY-2010 12:47

Client ID: MB

Instrument: LCHIC.i

Sample Info: MB~1H050710

Operator: CB



Data File: 0012.d

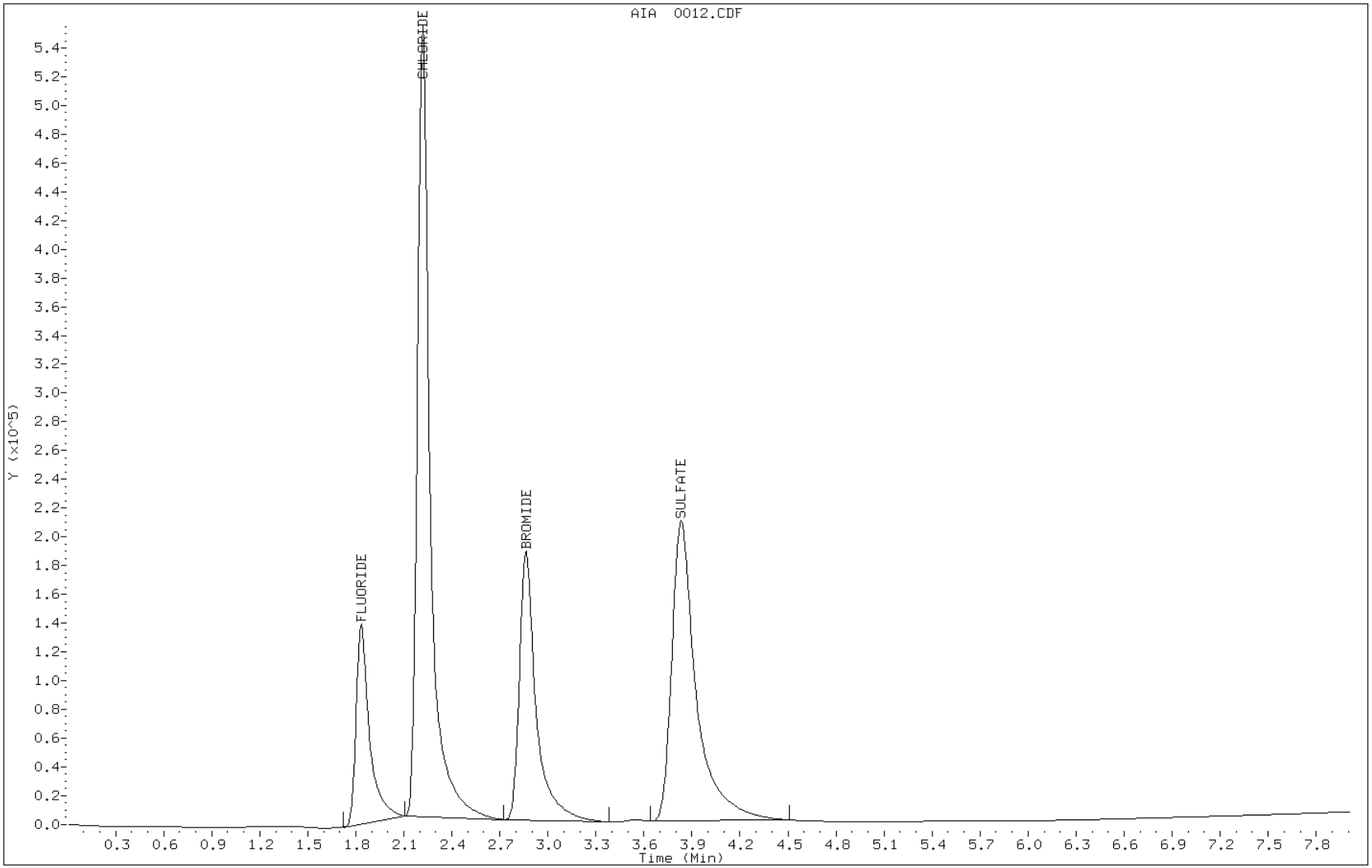
Date: 07-MAY-2010 12:58

Client ID: LCS

Instrument: LCHIC.i

Sample Info: LCS~1H050710

Operator: CB

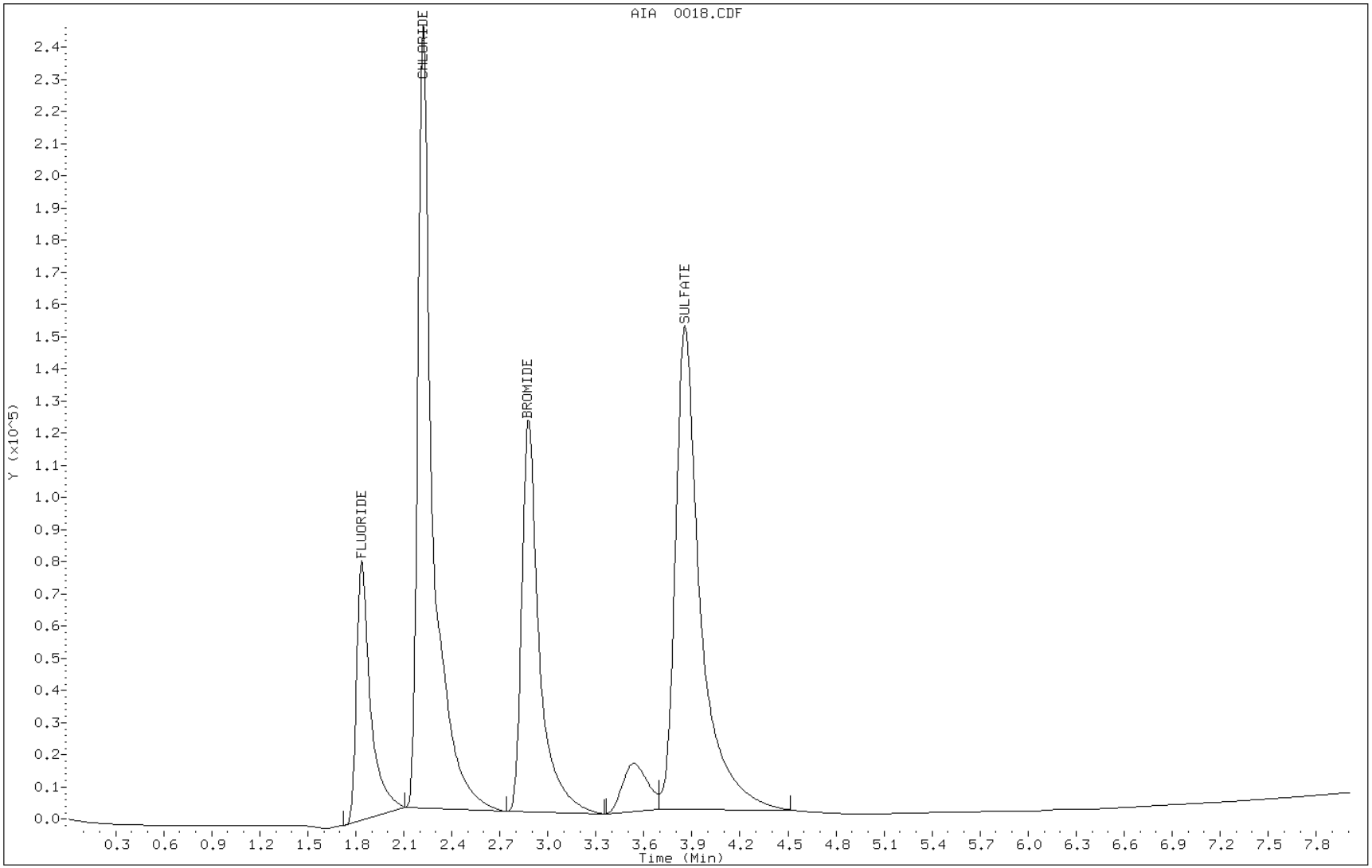


Data File: 0018.d

Date: 07-MAY-2010 14:00

Client ID: ISCO MW 01 Instrument: LCHIC.i

Sample Info: 680-57237-D-2~1H050710 Operator: CB

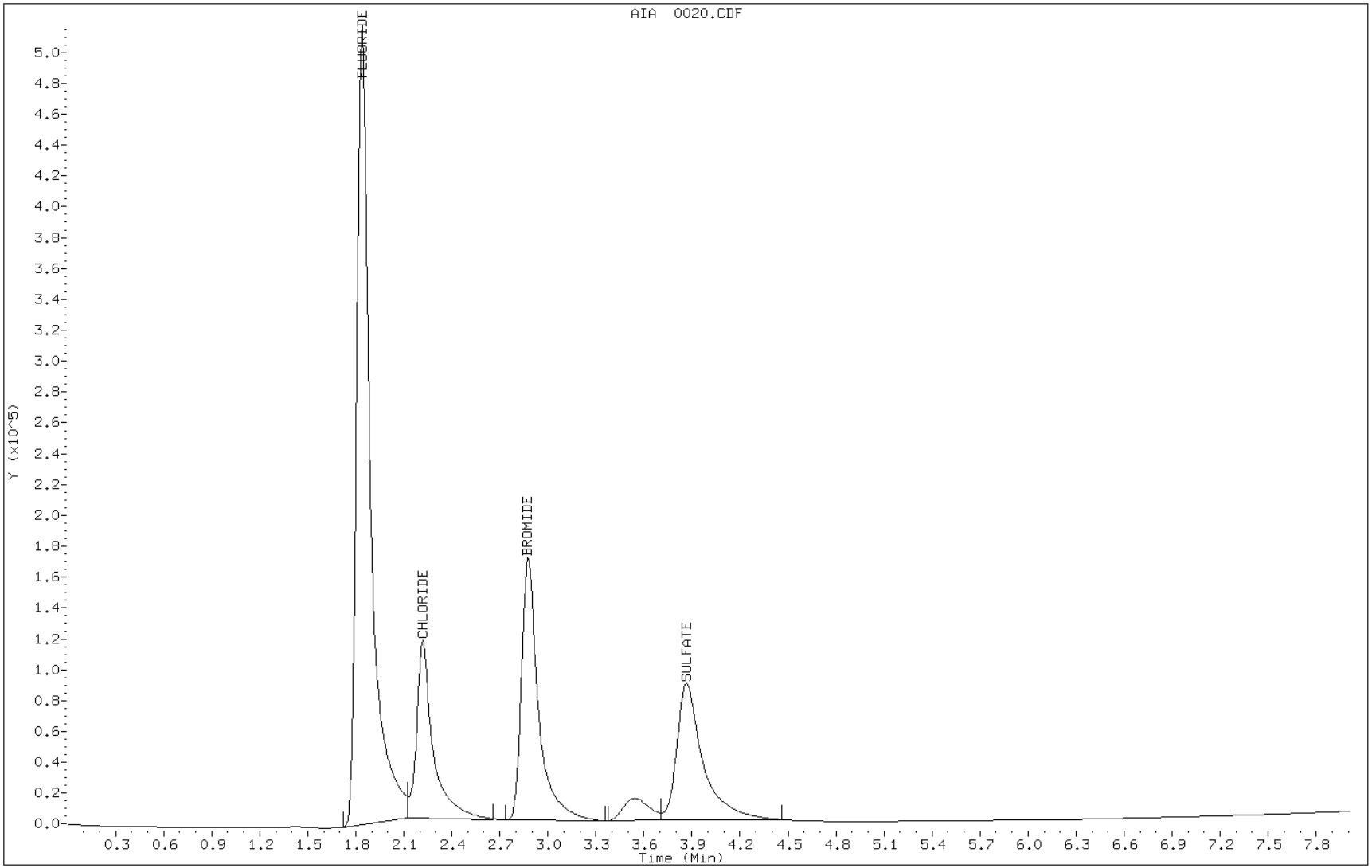


Data File: 0020.d

Date: 07-MAY-2010 14:21

Client ID: ISCO IW-05 Instrument: LCHIC.i

Sample Info: 680-57237-D-4~1H050710 Operator: CB

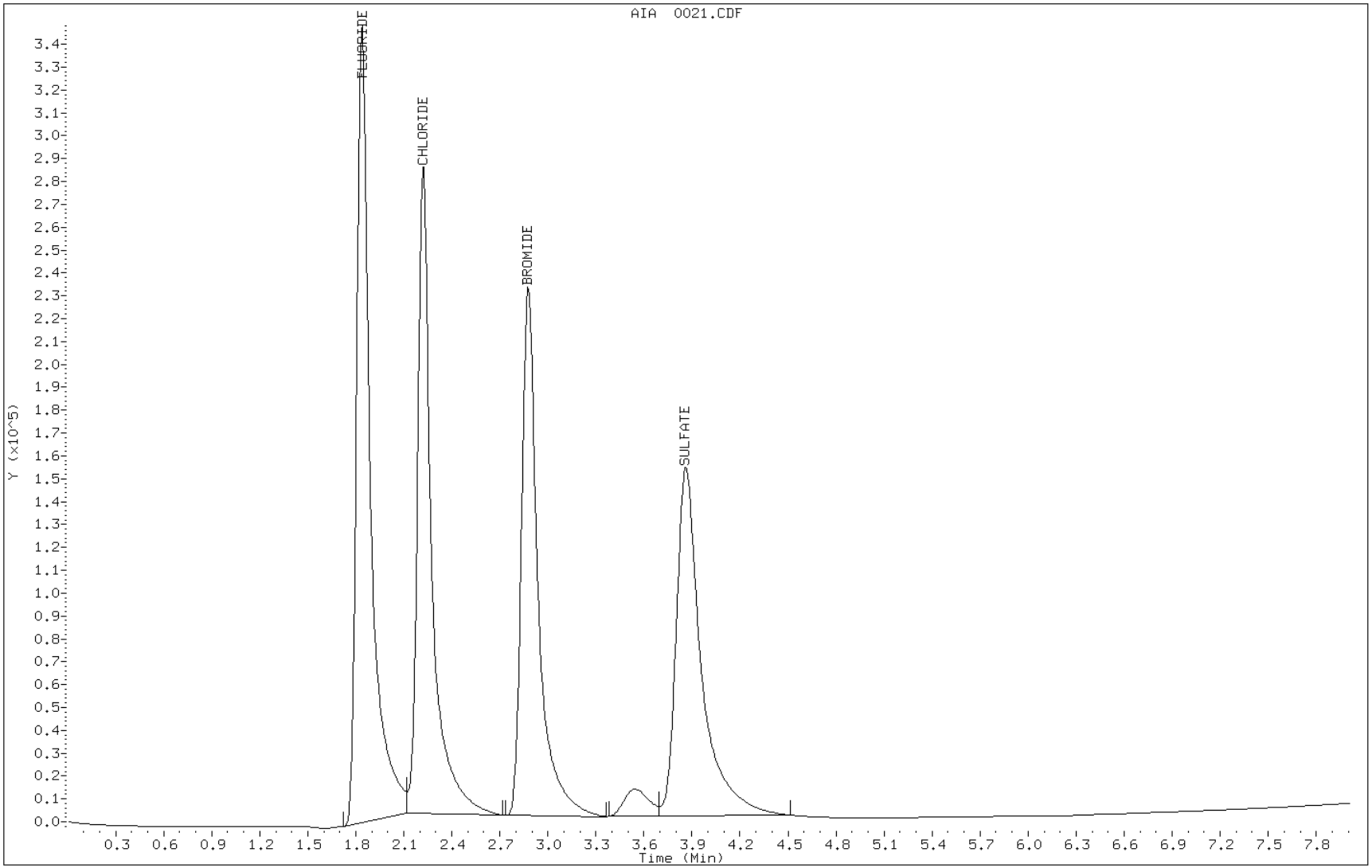


Data File: 0021.d

Date: 07-MAY-2010 14:31

Client ID: ISCO IW-06 Instrument: LCHIC.i

Sample Info: 680-57237-D-5~1H050710 Operator: CB

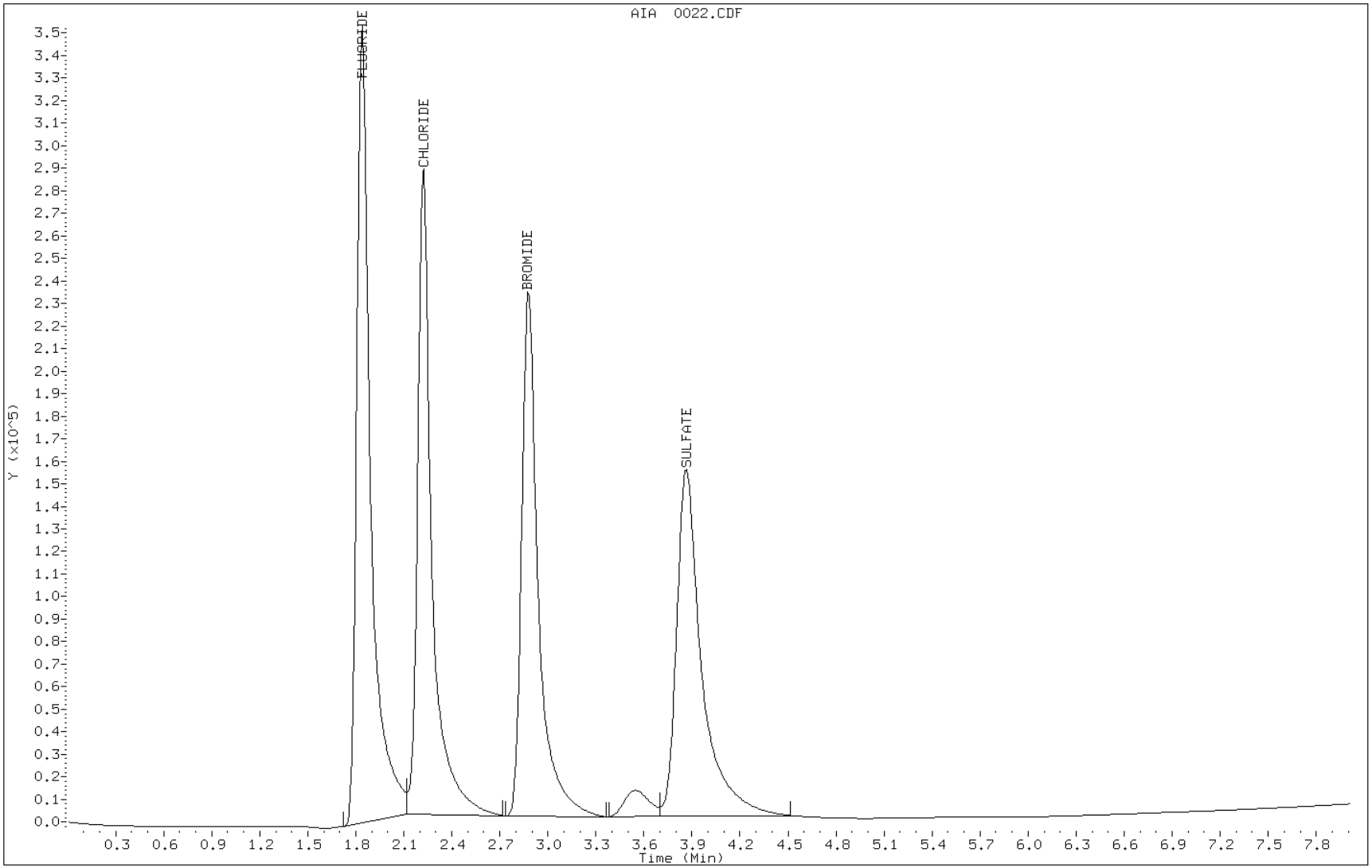


Data File: 0022.d

Date: 07-MAY-2010 14:42

Client ID: ISCO IW-16 Instrument: LCHIC.i

Sample Info: 680-57237-D-6~1H050710 Operator: CB

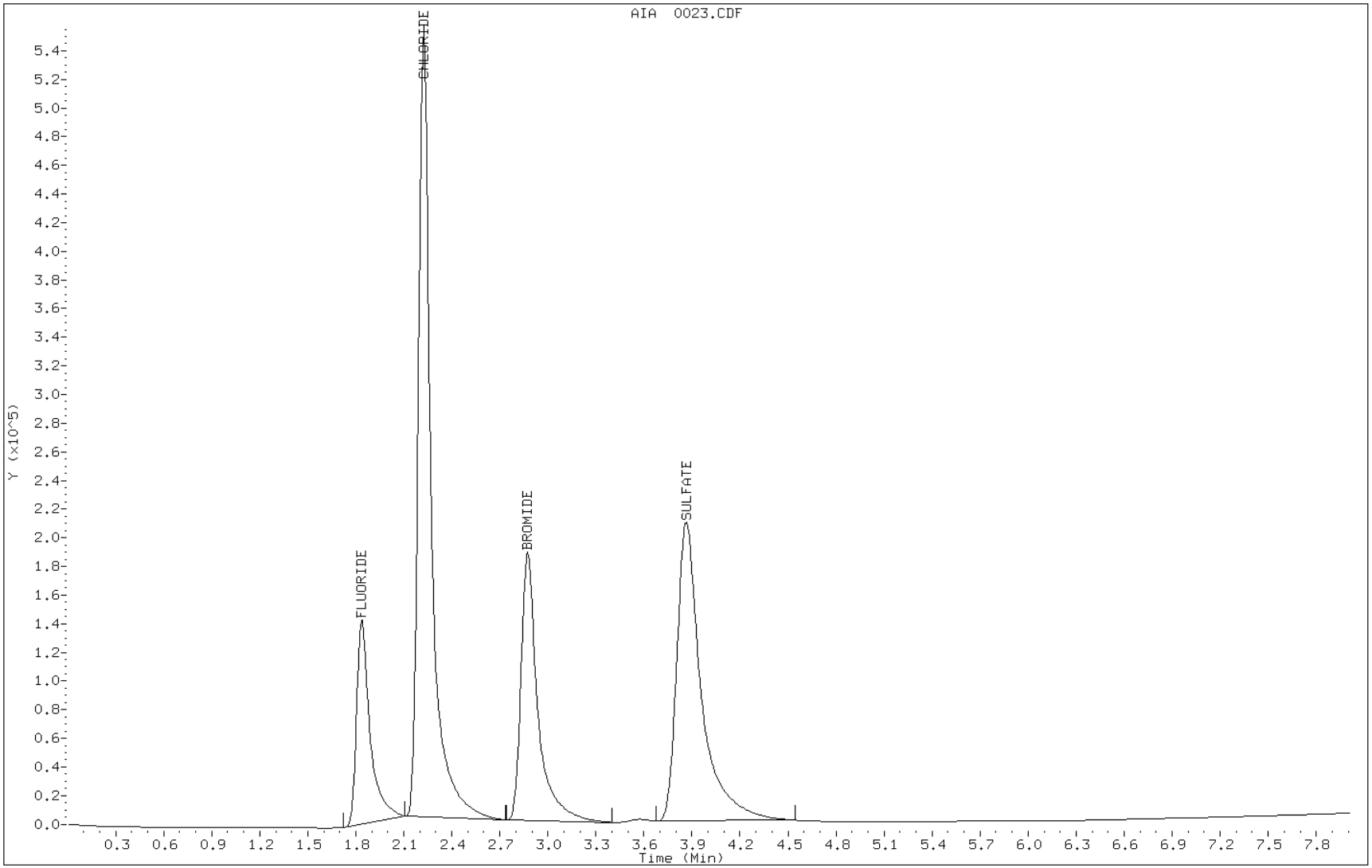


Data File: 0023.d

Date: 07-MAY-2010 14:52

Client ID: ANION-4 Instrument: LCHIC.i

Sample Info: ANION-4~1H050710 Operator: CB



Data File: 0024.d

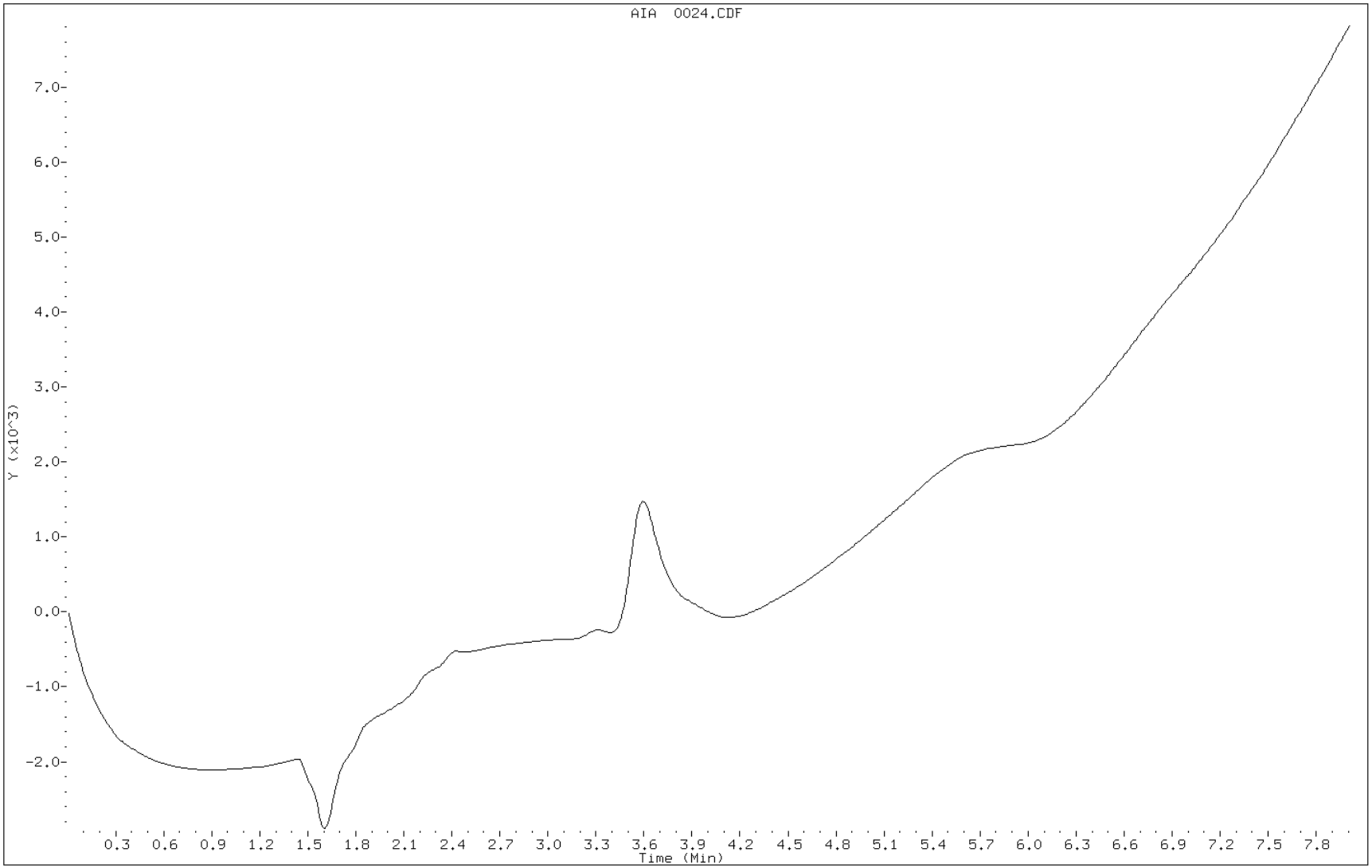
Date: 07-MAY-2010 15:02

Client ID: CCB

Instrument: LCHIC.i

Sample Info: CCB~1H050710

Operator: CB



PC-TitratION PLUS

Historical Data Report

Run Number 2843 **Order Number** 20100504-4

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Acd	Temperature	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
MB	5/4/2010	4:00 PM	.31	.00	3.2258	5.50	.00	.08	.08	.00	.00	-1.00	-1.00	24.94	.52	-1.0000	0.000	0.038	0.075
LCS	5/4/2010	4:13 PM	1,582.00	.00	0.0006	9.11	337.53	486.94	433.88	52.42	.64	-1.00	-1.00	24.99	.68	-1.0000	8.438	12.173	21.557
680-57237-C-1	5/4/2010	4:18 PM	362.00	.00	0.0028	6.14	.00	27.93	27.93	.00	.00	-1.00	-1.00	25.02	40.44	-1.0000	0.000	0.698	0.737
680-57237-C-2	5/4/2010	4:23 PM	347.00	.00	0.0029	6.32	.00	50.03	50.02	.01	.00	-1.00	-1.00	24.90	48.21	-1.0000	0.000	1.251	1.316
680-57237-C-3	5/4/2010	4:29 PM	.78	.00	1.2821	5.54	.00	.01	.01	.00	.00	-1.00	-1.00	24.85	.07	-1.0000	0.000	0.035	0.071
680-57237-C-4	5/4/2010	4:35 PM	342.00	.00	0.0029	6.44	.00	64.40	64.39	.02	.00	-1.00	-1.00	24.90	46.69	-1.0000	0.000	1.610	1.682
680-57237-C-5	5/4/2010	4:40 PM	399.00	.00	0.0025	6.42	.00	50.85	50.83	.01	.00	-1.00	-1.00	24.92	39.01	-1.0000	0.000	1.271	1.317
680-57237-C-6	5/4/2010	4:46 PM	397.00	.00	0.0025	6.45	.00	50.02	50.01	.01	.00	-1.00	-1.00	24.99	35.40	-1.0000	0.000	1.251	1.296
680-57197-A-1	5/4/2010	4:49 PM	748.00	.00	0.0013	4.15	.00	.00	.00	.00	.00	-1.00	-1.00	24.99	.00	-1.0000	0.000	0.000	0.000
680-57197-A-2	5/4/2010	4:56 PM	512.00	.00	0.0020	7.43	.00	20.58	20.51	.05	.01	-1.00	-1.00	24.94	1.54	-1.0000	0.000	0.514	0.564
680-57197-A-3	5/4/2010	5:03 PM	191.70	.00	0.0052	8.00	.00	51.40	50.88	.47	.05	-1.00	-1.00	24.94	1.03	-1.0000	0.000	1.285	1.332
680-57197-A-3DU	5/4/2010	5:09 PM	192.10	.00	0.0052	7.99	.00	50.29	49.78	.46	.05	-1.00	-1.00	24.90	1.01	-1.0000	0.000	1.257	1.307
CCV	5/4/2010	5:12 PM	-1.00	-1.00	-1.0000	7.05	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	24.84	-.18	-1.0000	-1.000	-1.000	-1.000
680-57244-H-1	5/4/2010	5:18 PM	99.00	.00	0.0101	6.73	.00	24.44	24.43	.01	.00	-1.00	-1.00	24.77	9.16	-1.0000	0.000	0.611	0.655
680-57244-H-3	5/4/2010	5:24 PM	.86	.00	1.1628	5.65	.00	.11	.11	.00	.00	-1.00	-1.00	24.82	.47	-1.0000	0.000	0.041	0.079
680-57244-H-5	5/4/2010	5:30 PM	79.70	.00	0.0125	7.05	.00	14.68	14.65	.02	.01	-1.00	-1.00	24.99	2.64	-1.0000	0.000	0.406	0.445
680-57244-H-7	5/4/2010	5:36 PM	.85	.00	1.1765	5.59	.00	.07	.07	.00	.00	-1.00	-1.00	24.92	.35	-1.0000	0.000	0.036	0.070
680-57244-H-9	5/4/2010	5:43 PM	117.90	.00	0.0085	7.78	.00	57.97	57.61	.32	.03	-1.00	-1.00	24.80	1.93	-1.0000	0.000	1.449	1.495
680-57244-H-11	5/4/2010	5:50 PM	173.10	.00	0.0058	7.80	.00	84.11	83.59	.50	.03	-1.00	-1.00	24.79	2.65	-1.0000	0.000	2.103	2.156
680-57244-H-13	5/4/2010	5:57 PM	184.60	.00	0.0054	7.68	.00	63.93	63.62	.29	.02	-1.00	-1.00	24.74	2.67	-1.0000	0.000	1.598	1.649
680-57244-J-15	5/4/2010	6:03 PM	171.60	.00	0.0058	7.25	.00	55.93	55.82	.09	.01	-1.00	-1.00	24.69	6.28	-1.0000	0.000	1.398	1.445
680-57229-C-4	5/4/2010	6:09 PM	94.70	.00	0.0106	5.21	.00	2.15	2.15	.00	.00	-1.00	-1.00	24.65	26.41	-1.0000	0.000	0.096	0.139
680-57229-C-4DU	5/4/2010	6:14 PM	94.40	.00	0.0106	5.21	.00	2.18	2.18	.00	.00	-1.00	-1.00	24.60	27.07	-1.0000	0.000	0.098	0.141

PC-TitratION PLUS by Man-Tech Associates, Inc.

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Total Dissolved Solids Tare Weight

Method: EPA 160.1 and SM 2540C

Date: 05-03-10 Analyst Initials: MJ AD Batch: 167386 Balance ID: 13

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
48	71.4502		
50	77.8620		
72	79.6753		
5	73.5656		
499	68.0308		
12	77.1599		
899	72.1417		
CAX	72.9709		
74	75.6606		
84	75.4384		
111	72.2565		
241	74.9467		
104	77.9663		
24	76.0843		
582	74.2343		

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
71	76.1966		
2	74.7402		
954	74.9963		
33	72.8567		
13	75.2684		
75	69.8780		
599	71.3583		
341	72.5770		
68	71.1613		
668	74.0620		
		05.03.10 MJ	

Tare Weight Verification:

After Tare 1 has been recorded, the dishes are placed back in the desiccator. After approximately 1 hour, a single dish is removed and reweighed. If the Tare 2 weight is within 0.5mg of the Tare 1 weight, all dishes are ready to use. If the Tare 2 weight is greater than 0.5mg from Tare 1, all remaining dishes must be re-weighed for verification and recorded above.

Dish ID: 668 Balance ID: 13

Tare 1 (g): 74.0620 Tare 2 (g): 74.0623 Pass/Fail: Pass

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	cal10		1.000		Complete	3/8/2010 11:56:47 AM	1, 2, 4, 5
2	cal100		1.000		Complete	3/8/2010 12:38:10 PM	2, 5, 6, 7
3	cal500		1.000		Complete	3/8/2010 2:21:41 PM	3, 7, 8, 9

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

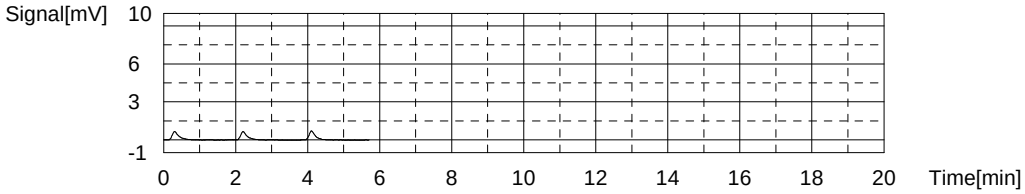
Sample Name:	cal10
Sample ID:	
Cal. Curve:	cal10.2010_03_08_11_20_17.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.8302	50uL	1	*******		3/8/2010 11:25:14 AM
2	0.7996	50uL	1	*******		3/8/2010 11:27:17 AM
3	0.8132	50uL	1	*******		3/8/2010 11:29:20 AM

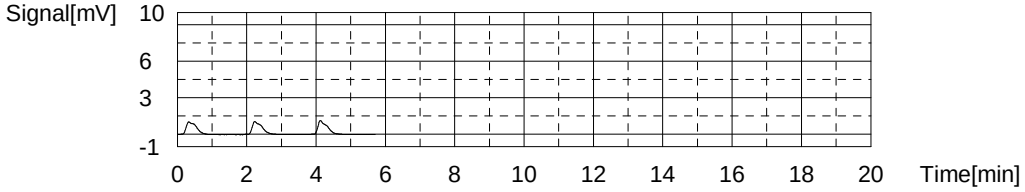
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 0.8143



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.045	50uL	1	*******		3/8/2010 11:35:12 AM
2	1.995	50uL	1	*******		3/8/2010 11:37:15 AM
3	2.038	50uL	1	*******		3/8/2010 11:39:18 AM

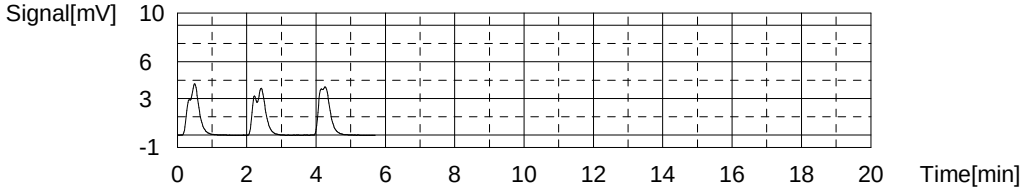
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.026



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	8.721	50uL	1	*******		3/8/2010 11:45:10 AM
2	8.783	50uL	1	*******		3/8/2010 11:47:13 AM
3	8.729	50uL	1	*******		3/8/2010 11:49:16 AM

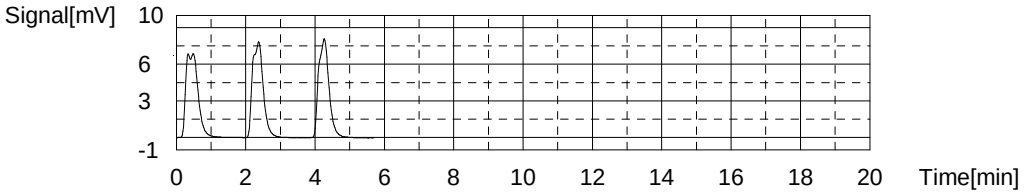
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 8.744



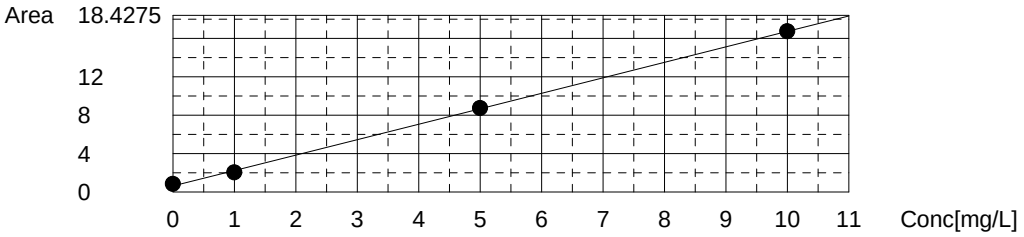
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	16.64	50uL	1	*******		3/8/2010 11:53:48 AM
2	16.84	50uL	1	*******		3/8/2010 11:55:03 AM
3	16.77	50uL	1	*******		3/8/2010 11:56:47 AM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 16.75



Slope: 1.611
Intercept 0.6379
r^2 0.999482
r 0.999741
Zero Shift No



Cal. Curve

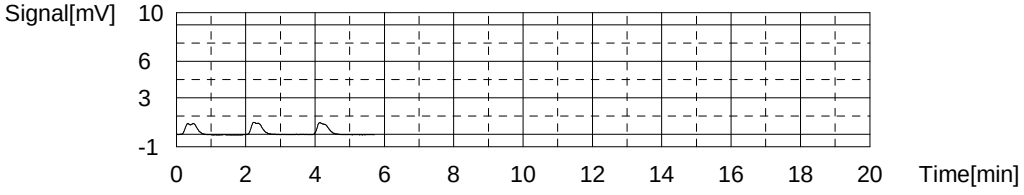
Sample Name: cal100
Sample ID:
Cal. Curve: cal100a.2010_03_08_11_56_47.cal
Status Completed

Type	Anal.
Standard	TC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.034	50uL	1	*******		3/8/2010 12:02:18 PM
2	2.084	50uL	1	*******		3/8/2010 12:04:15 PM
3	2.016	50uL	1	*******		3/8/2010 12:06:15 PM

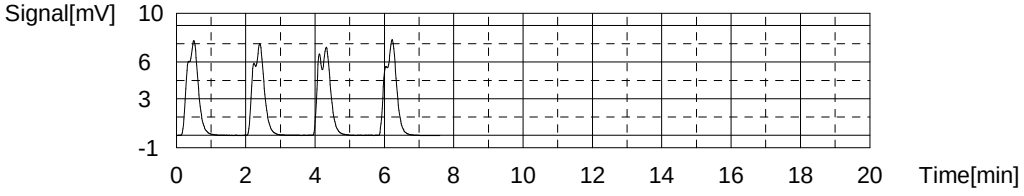
Acid Add. 0.000%
Mean Area 2.045



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	16.87	50uL	1	*******		3/8/2010 12:12:03 PM
2	16.54	50uL	1	*******	E	3/8/2010 12:14:05 PM
3	17.28	50uL	1	*******		3/8/2010 12:16:07 PM
4	17.39	50uL	1	*******		3/8/2010 12:18:10 PM

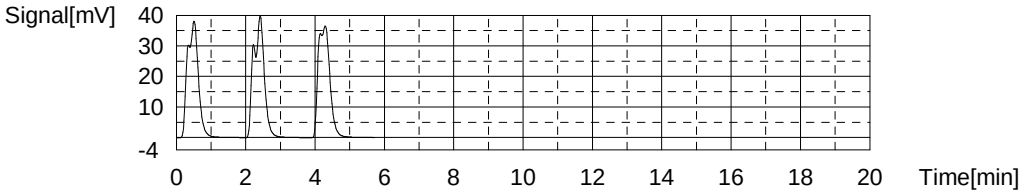
Acid Add. 0.000%
Mean Area 17.18



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	82.94	50uL	1	*******		3/8/2010 12:23:59 PM
2	85.35	50uL	1	*******		3/8/2010 12:26:02 PM
3	85.26	50uL	1	*******		3/8/2010 12:28:07 PM

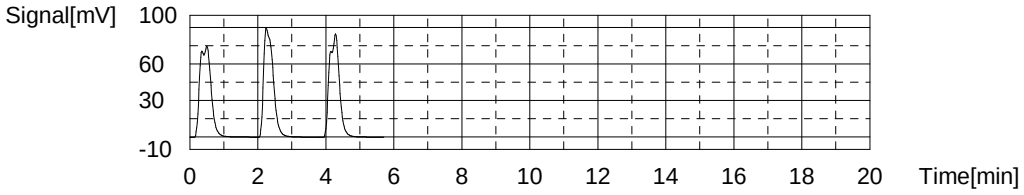
Acid Add. 0.000%
Mean Area 84.52



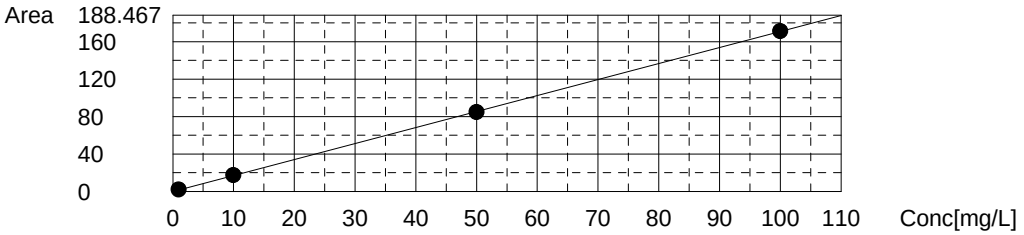
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	170.0	50uL	1	*******		3/8/2010 12:34:02 PM
2	173.3	50uL	1	*******		3/8/2010 12:36:06 PM
3	170.7	50uL	1	*******		3/8/2010 12:38:10 PM

Acid Add. 0.000%
Mean Area 171.3



Slope: 1.709
Intercept -0.02446
r^2 0.999934
r 0.999967
Zero Shift No



Cal. Curve

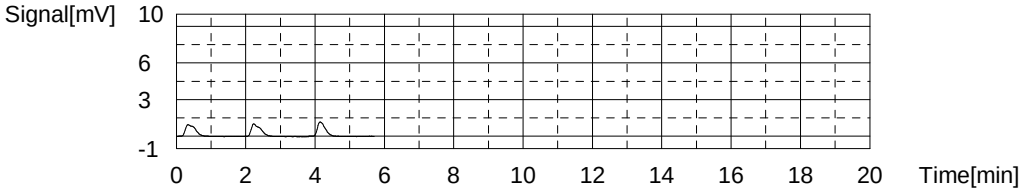
Sample Name: cal500
Sample ID:
Cal. Curve: cal500a.2010_03_08_13_34_57.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.857	40uL	1	*******		3/8/2010 1:39:53 PM
2	1.844	40uL	1	*******		3/8/2010 1:41:57 PM
3	1.790	40uL	1	*******		3/8/2010 1:44:00 PM

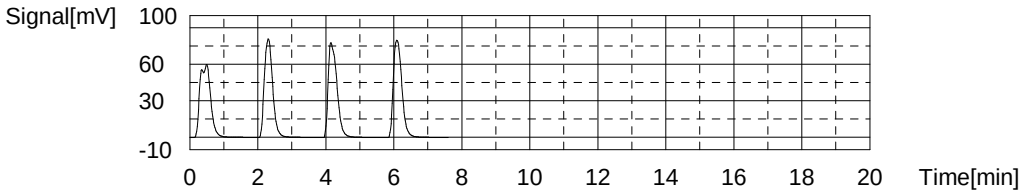
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 1.830



Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	130.9	40uL	1	*******	E	3/8/2010 1:49:53 PM
2	136.7	40uL	1	*******		3/8/2010 1:51:56 PM
3	138.3	40uL	1	*******		3/8/2010 1:53:59 PM
4	139.1	40uL	1	*******		3/8/2010 1:56:02 PM

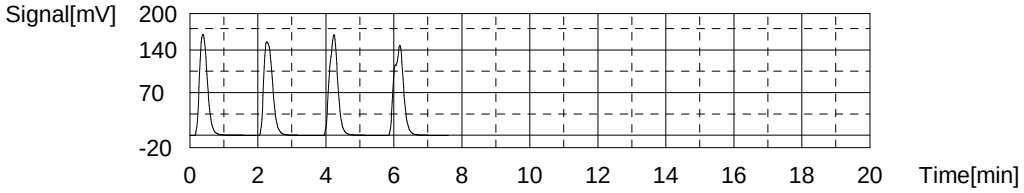
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 138.0



Conc: 200.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	267.0	40uL	1	*******	E	3/8/2010 2:01:52 PM
2	276.7	40uL	1	*******		3/8/2010 2:03:55 PM
3	281.6	40uL	1	*******		3/8/2010 2:05:58 PM
4	284.5	40uL	1	*******		3/8/2010 2:08:02 PM

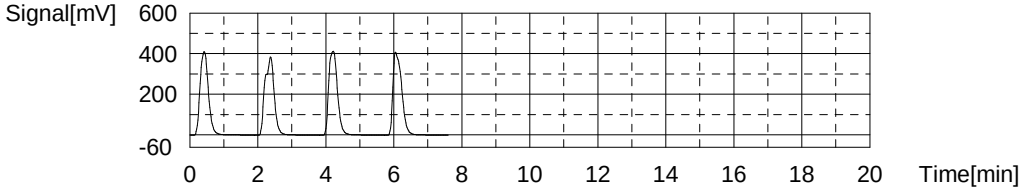
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 280.9



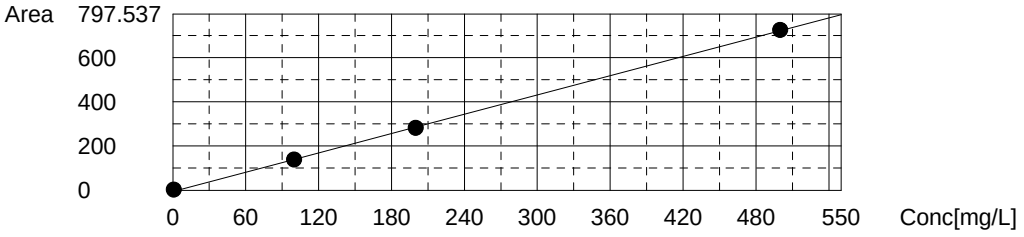
Conc: 500.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	694.7	40uL	1	*******	E	3/8/2010 2:15:27 PM
2	717.4	40uL	1	*******		3/8/2010 2:17:33 PM
3	730.4	40uL	1	*******		3/8/2010 2:19:37 PM
4	727.3	40uL	1	*******		3/8/2010 2:21:41 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 725.0



Slope: 1.455
Intercept -4.816
r^2 0.999773
r 0.999887
Zero Shift No



	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	CCV	TOCCALSTD2-20	1.000	NPOC:5.010mg/L	Completed	5/4/2010 10:51:37 AM	1
2	CCB		1.000	!!Failed!! NPOC:-0.2226mg/L	Completed	5/4/2010 11:05:58 AM	2
3	BICARB/CARB		1.000	!!Failed!! NPOC:-0.1025mg/L	Completed	5/4/2010 11:20:18 AM	3
4	LCS	TV=20PPM	1.000	NPOC:19.00mg/L	Completed	5/4/2010 11:36:44 AM	4
5	680-57007-g-1		1.000	NPOC:0.3180mg/L	Completed	5/4/2010 11:53:06 AM	5
6	680-57007-g-2		1.000	NPOC:0.2772mg/L	Completed	5/4/2010 12:07:26 PM	6
7	680-57007-f-3		1.000	NPOC:1.636mg/L	Completed	5/4/2010 12:21:48 PM	7
8	680-57007-f-4		1.000	NPOC:0.4164mg/L	Completed	5/4/2010 12:38:07 PM	8
9	680-57007-f-5		1.000	NPOC:2.293mg/L	Completed	5/4/2010 12:52:30 PM	9
10	680-57105-e-1		1.000	NPOC:8.739mg/L	Completed	5/4/2010 1:06:51 PM	10
11	680-57105-e-1 MS		1.000	NPOC:28.45mg/L	Completed	5/4/2010 1:23:15 PM	11
12	680-57105-e-1 MSD		1.000	NPOC:28.20mg/L	Completed	5/4/2010 1:36:07 PM	11
13	CCV	TOCCALSTD4-21	1.000	NPOC:49.60mg/L	Completed	5/4/2010 1:52:30 PM	12
14	CCB		1.000	!!Failed!! NPOC:-0.07872mg/L	Completed	5/4/2010 2:08:54 PM	13
15	680-57237-b-1		1.000	NPOC:0.7493mg/L	Completed	5/4/2010 3:14:48 PM	16
16	680-57237-1	TC	1.000	TC:18.80mg/L	Completed	5/4/2010 3:26:49 PM	17
17	680-57237-b-2		1.000	NPOC:9.982mg/L	Completed	5/4/2010 3:41:10 PM	18
18	680-57237-2	TC	1.000	TC:29.23mg/L	Completed	5/4/2010 3:53:12 PM	19
19	680-57237-b-3		1.000	NPOC:0.1035mg/L	Completed	5/4/2010 4:10:51 PM	20
20	680-57237-3	TC	1.000	TC:0.1211mg/L	Completed	5/4/2010 4:20:49 PM	21
21	680-57237-b-4		1.000	NPOC:1.099mg/L	Completed	5/4/2010 4:35:10 PM	22
22	680-57237-4	TC	1.000	TC:30.53mg/L	Completed	5/4/2010 4:47:13 PM	23
23	680-57080-1		1.000	NPOC:0.8175mg/L	Completed	5/4/2010 5:03:57 PM	14
24	680-57080-2		1.000	NPOC:0.7952mg/L	Completed	5/4/2010 5:18:17 PM	15
25	CCV	TOCCALSTD6-22	1.000	NPOC:196.5mg/L	Completed	5/4/2010 5:34:48 PM	24
26	CCB		1.000	!!Failed!! NPOC:-0.06073mg/L	Completed	5/4/2010 5:51:13 PM	25
27	680-57237-b-5		1.000	NPOC:0.7621mg/L	Completed	5/4/2010 6:08:40 PM	26
28	680-57237-b-5 DU		1.000	NPOC:0.7724mg/L	Completed	5/4/2010 6:19:31 PM	26
29	680-57237-5	TC	1.000	TC:19.90mg/L	Completed	5/4/2010 6:31:33 PM	27
30	680-57237-b-6		1.000	NPOC:0.7536mg/L	Completed	5/4/2010 6:47:56 PM	28
31	680-57237-6	TC	1.000	TC:19.68mg/L	Completed	5/4/2010 6:59:56 PM	29
32	CCV	TOCCALSTD6-22	1.000	NPOC:197.2mg/L	Completed	5/4/2010 7:16:38 PM	24
33	CCB		1.000	NPOC:0.00284mg/L	Completed	5/4/2010 7:33:02 PM	25

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	CCV
Sample ID:	TOCCALSTD2-20
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

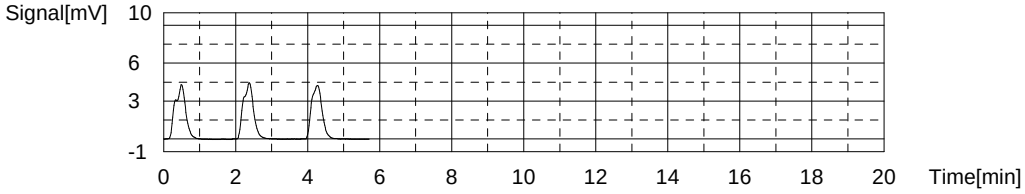
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.010mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.763	5.042mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 10:47:31 AM
2	8.726	5.019mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 10:49:34 AM
3	8.647	4.970mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 10:51:37 AM

Mean Area 8.712
Mean Conc. 5.010mg/L



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

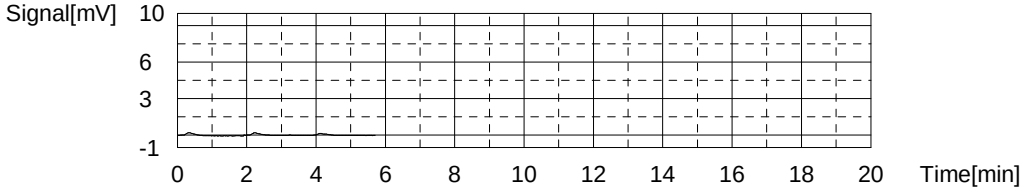
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2226mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3264	-0.1933mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:01:51 AM
2	0.2755	-0.2249mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:03:54 AM
3	0.2356	-0.2497mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:05:58 AM

Mean Area 0.2792
Mean Conc. -0.2226mg/L



Sample

Sample Name: BICARB/CARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

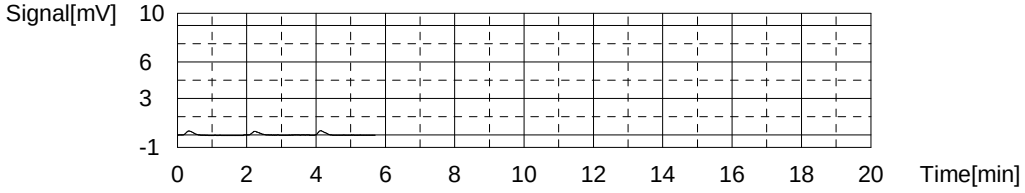
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1025mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4735	-0.1020mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:16:12 AM
2	0.4440	-0.1203mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:18:15 AM
3	0.5009	-0.08503mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:20:18 AM

Mean Area 0.4728
Mean Conc. -0.1025mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status Completed
Chk. Result

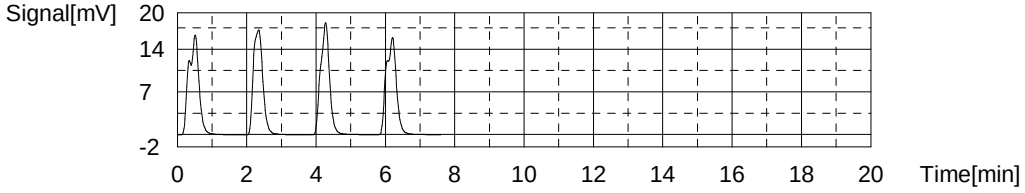
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.00mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.07	20.13mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 11:30:34 AM
2	32.70	19.15mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 11:32:37 AM
3	32.47	19.01mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 11:34:40 AM
4	32.18	18.84mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 11:36:44 AM

Mean Area 32.45
Mean Conc. 19.00mg/L



Sample

Sample Name: 680-57007-g-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

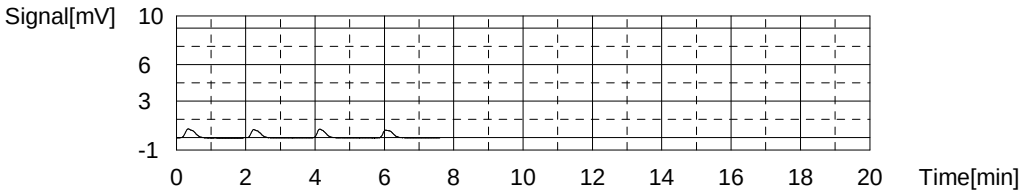
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3180mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.388	0.4655mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	5/4/2010 11:46:57 AM
2	1.155	0.3209mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:49:00 AM
3	1.128	0.3041mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:51:03 AM
4	1.168	0.3289mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 11:53:06 AM

Mean Area 1.150
Mean Conc. 0.3180mg/L



Sample

Sample Name: 680-57007-g-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

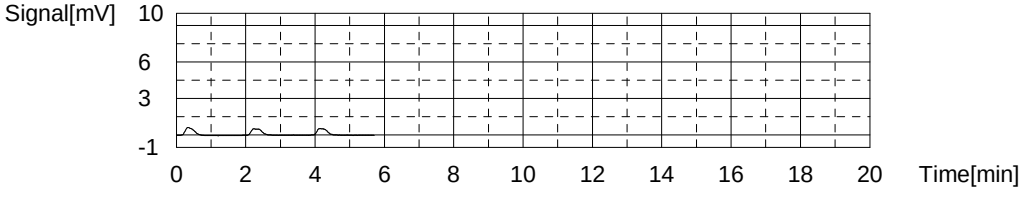
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2772mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.106	0.2905mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:03:20 PM
2	1.096	0.2843mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:05:23 PM
3	1.052	0.2570mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:07:26 PM

Mean Area 1.085
Mean Conc. 0.2772mg/L



Sample

Sample Name: 680-57007-f-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

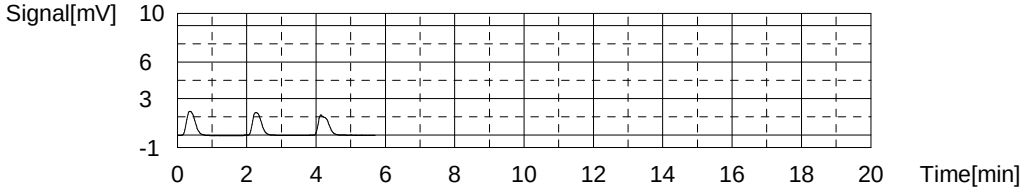
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.636mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.371	1.696mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:17:41 PM
2	3.199	1.589mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:19:45 PM
3	3.251	1.622mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:21:48 PM

Mean Area 3.274
Mean Conc. 1.636mg/L



Sample

Sample Name: 680-57007-f-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

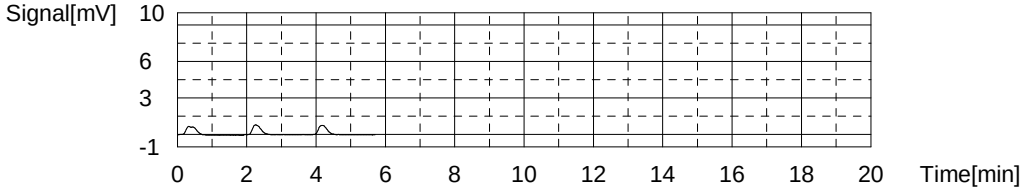
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4164mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.322	0.4245mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:34:01 PM
2	1.333	0.4313mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:36:04 PM
3	1.272	0.3935mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:38:07 PM

Mean Area 1.309
Mean Conc. 0.4164mg/L



Sample

Sample Name: 680-57007-f-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

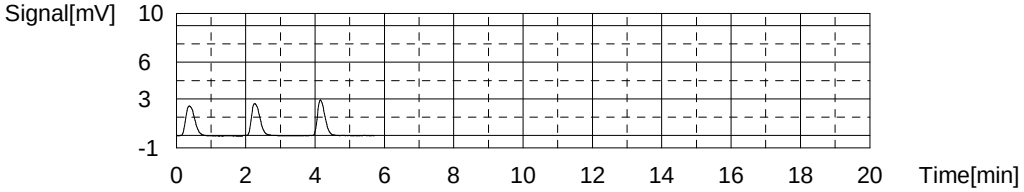
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.293mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.314	2.281mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:48:23 PM
2	4.372	2.317mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:50:26 PM
3	4.314	2.281mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 12:52:30 PM

Mean Area 4.333
Mean Conc. 2.293mg/L



Sample

Sample Name: 680-57105-e-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

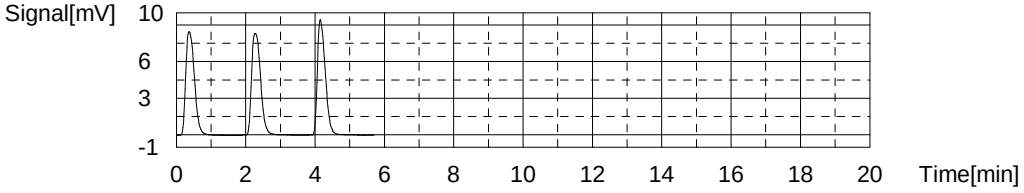
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.739mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.58	8.652mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 1:02:45 PM
2	14.90	8.851mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 1:04:48 PM
3	14.68	8.714mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 1:06:51 PM

Mean Area 14.72
Mean Conc. 8.739mg/L



Sample

Sample Name: 680-57105-e-1 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

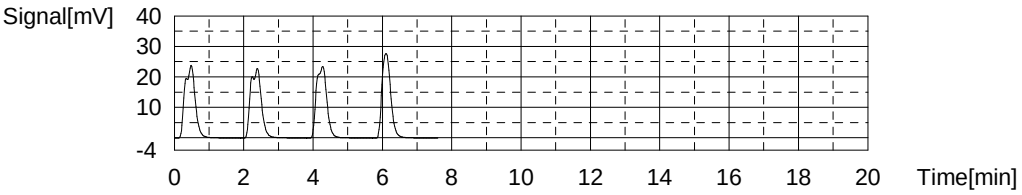
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.70	29.83mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 1:17:05 PM
2	48.71	28.51mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:19:08 PM
3	48.55	28.42mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:21:11 PM
4	48.52	28.40mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:23:15 PM

Mean Area 48.59
Mean Conc. 28.45mg/L



Sample

Sample Name: 680-57105-e-1 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

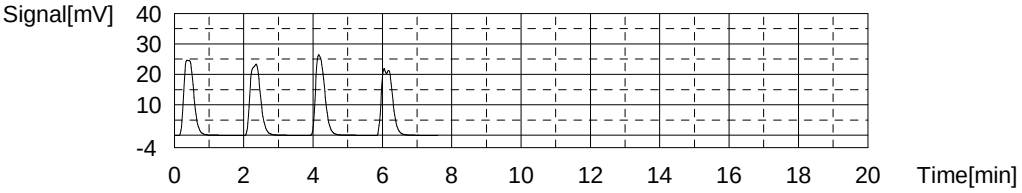
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:28.20mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.60	29.76mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 1:29:58 PM
2	48.60	28.45mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:32:01 PM
3	47.89	28.03mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:34:04 PM
4	48.03	28.12mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:36:07 PM

Mean Area 48.17
Mean Conc. 28.20mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-21
Origin: TOC415.1A.met
Status Completed
Chk. Result

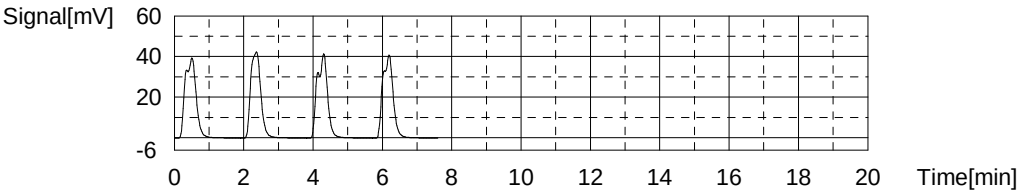
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.60mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.02	52.99mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 1:46:21 PM
2	85.28	49.91mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:48:24 PM
3	84.89	49.68mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:50:27 PM
4	84.08	49.21mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 1:52:30 PM

Mean Area 84.75
Mean Conc. 49.60mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

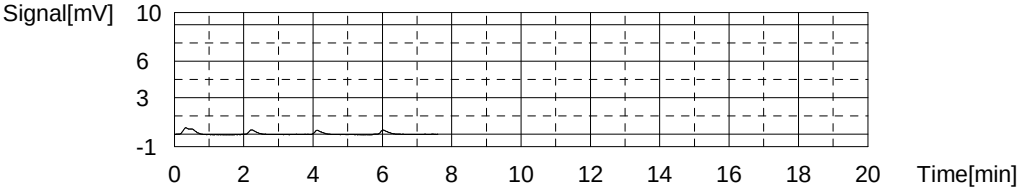
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.07872mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.124	0.3016mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	5/4/2010 2:02:45 PM
2	0.5346	-0.06412mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 2:04:48 PM
3	0.4955	-0.08838mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 2:06:51 PM
4	0.5031	-0.08367mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 2:08:54 PM

Mean Area 0.5111
Mean Conc. -0.07872mg/L



Sample

Sample Name: 680-57237-b-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

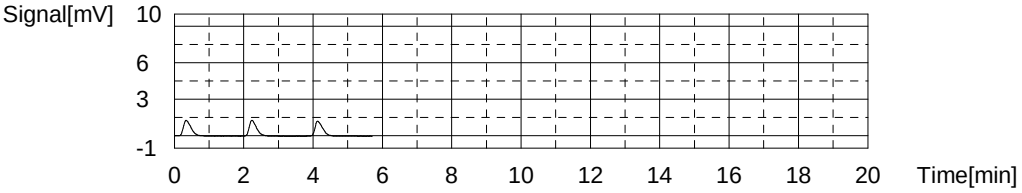
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7493mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.917	0.7937mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 3:10:41 PM
2	1.862	0.7596mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 3:12:45 PM
3	1.757	0.6945mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 3:14:48 PM

Mean Area 1.845
Mean Conc. 0.7493mg/L



Sample

Sample Name: 680-57237-1
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

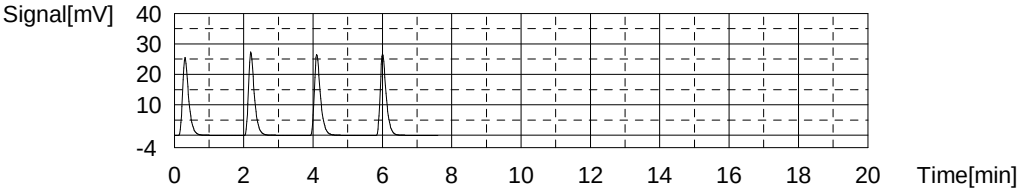
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:18.80mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	30.63	18.61mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 3:20:40 PM
2	32.28	18.90mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 3:22:43 PM
3	32.44	18.99mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 3:24:46 PM
4	31.61	18.51mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 3:26:49 PM

Mean Area 32.11
Mean Conc. 18.80mg/L



Sample

Sample Name: 680-57237-b-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

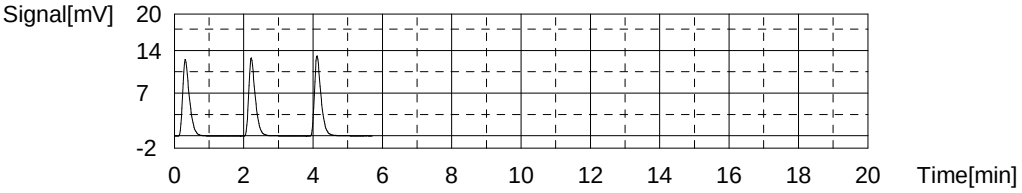
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.982mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.68	9.955mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 3:37:03 PM
2	16.58	9.893mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 3:39:07 PM
3	16.91	10.10mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 3:41:10 PM

Mean Area 16.72
Mean Conc. 9.982mg/L



Sample

Sample Name: 680-57237-2
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

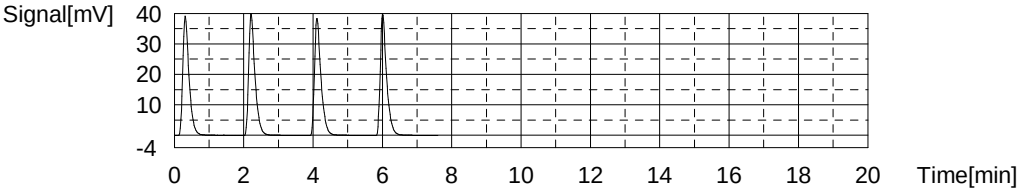
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:29.23mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.61	29.77mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 3:47:02 PM
2	50.27	29.43mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 3:49:05 PM
3	49.72	29.10mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 3:51:08 PM
4	49.83	29.17mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 3:53:12 PM

Mean Area 49.94
Mean Conc. 29.23mg/L



Sample

Sample Name: 680-57237-b-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

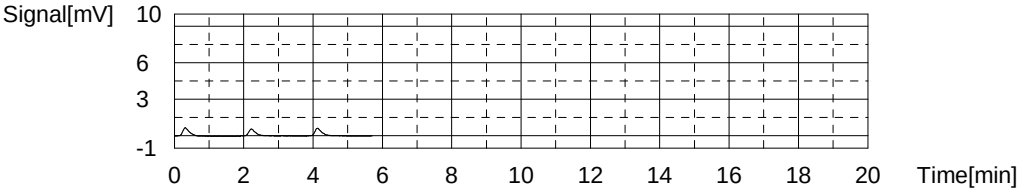
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1035mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8751	0.1472mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:06:44 PM
2	0.7331	0.05906mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:08:47 PM
3	0.8059	0.1042mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:10:51 PM

Mean Area 0.8047
Mean Conc. 0.1035mg/L



Sample

Sample Name: 680-57237-3
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

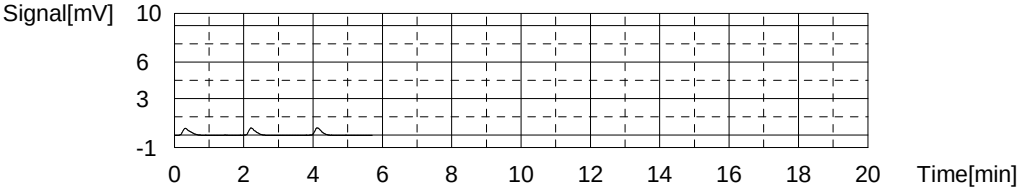
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:0.1211mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8485	0.1307mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:16:43 PM
2	0.8387	0.1246mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:18:46 PM
3	0.8121	0.1081mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:20:49 PM

Mean Area 0.8331
Mean Conc. 0.1211mg/L



Sample

Sample Name: 680-57237-b-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

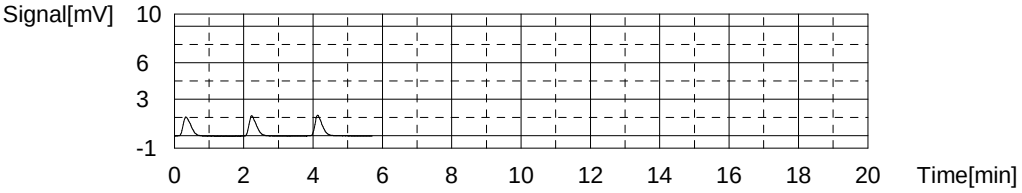
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.099mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.391	1.088mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:31:04 PM
2	2.438	1.117mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:33:07 PM
3	2.398	1.092mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:35:10 PM

Mean Area 2.409
Mean Conc. 1.099mg/L



Sample

Sample Name: 680-57237-4
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

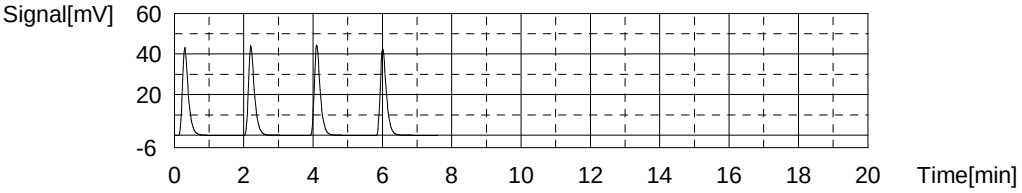
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:30.53mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	50.23	30.78mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 4:41:03 PM
2	52.49	30.73mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 4:43:06 PM
3	52.42	30.68mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 4:45:09 PM
4	51.56	30.18mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 4:47:13 PM

Mean Area 52.16
Mean Conc. 30.53mg/L



Sample

Sample Name: 680-57080-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

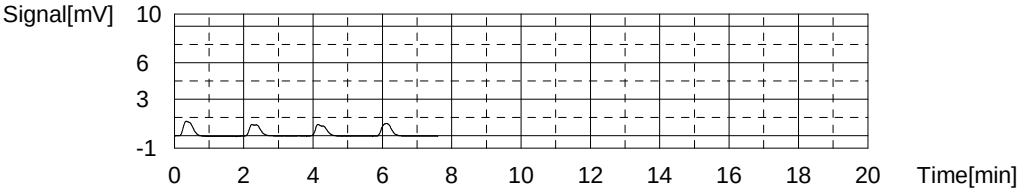
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8175mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.239	0.9936mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	5/4/2010 4:57:48 PM
2	1.988	0.8378mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 4:59:51 PM
3	1.944	0.8105mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 5:01:54 PM
4	1.934	0.8043mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 5:03:57 PM

Mean Area 1.955
Mean Conc. 0.8175mg/L



Sample

Sample Name: 680-57080-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

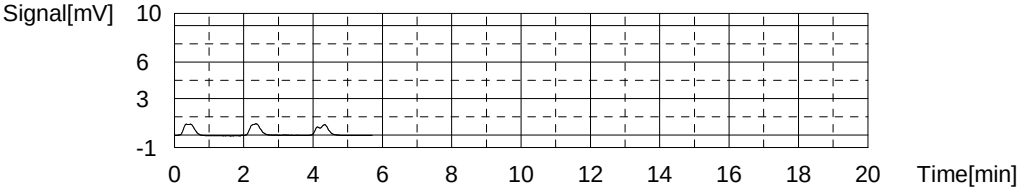
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7952mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.943	0.8099mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 5:14:11 PM
2	1.908	0.7882mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 5:16:14 PM
3	1.907	0.7875mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 5:18:17 PM

Mean Area 1.919
Mean Conc. 0.7952mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status Completed
Chk. Result

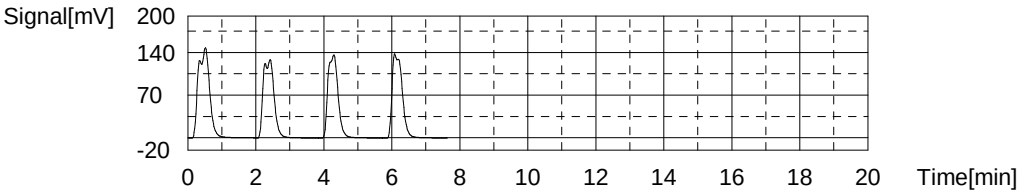
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:196.5mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	338.8	209.9mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 5:28:39 PM
2	283.1	197.9mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	5/4/2010 5:30:42 PM
3	278.0	194.4mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	5/4/2010 5:32:45 PM
4	281.9	197.1mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	5/4/2010 5:34:48 PM

Mean Area 281.0
Mean Conc. 196.5mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

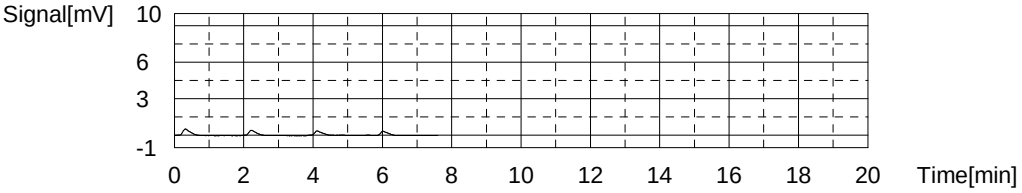
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.06073mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7522	0.07092mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	5/4/2010 5:45:03 PM
2	0.5968	-0.02552mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 5:47:06 PM
3	0.5218	-0.07206mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 5:49:09 PM
4	0.5016	-0.08460mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 5:51:13 PM

Mean Area 0.5401
Mean Conc. -0.06073mg/L



Sample

Sample Name: 680-57237-b-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

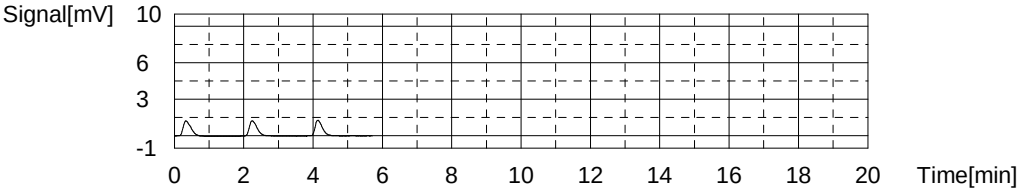
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7621mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.892	0.7782mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:04:34 PM
2	1.894	0.7795mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:06:37 PM
3	1.812	0.7286mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:08:40 PM

Mean Area 1.866
Mean Conc. 0.7621mg/L



Sample

Sample Name: 680-57237-b-5 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

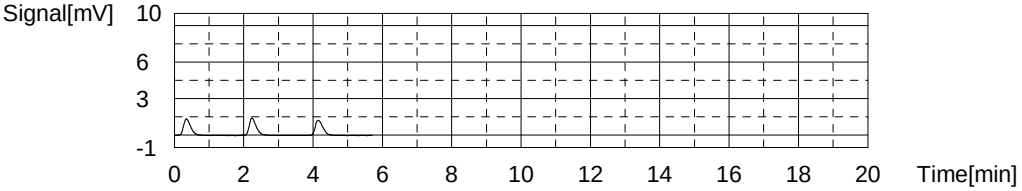
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7724mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.879	0.7702mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:15:24 PM
2	1.913	0.7913mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:17:27 PM
3	1.856	0.7559mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:19:31 PM

Mean Area 1.883
Mean Conc. 0.7724mg/L



Sample

Sample Name: 680-57237-5
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

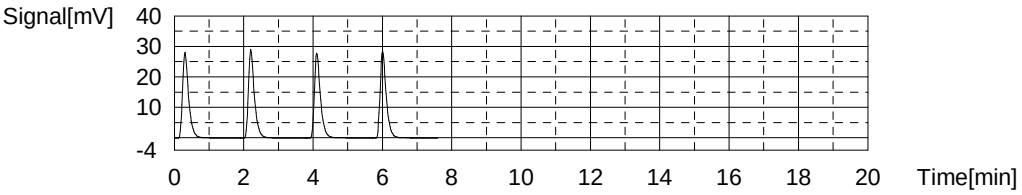
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.90mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.63	20.47mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 6:25:23 PM
2	34.45	20.17mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 6:27:26 PM
3	33.39	19.55mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 6:29:29 PM
4	34.12	19.98mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 6:31:33 PM

Mean Area 33.99
Mean Conc. 19.90mg/L



Sample

Sample Name: 680-57237-b-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

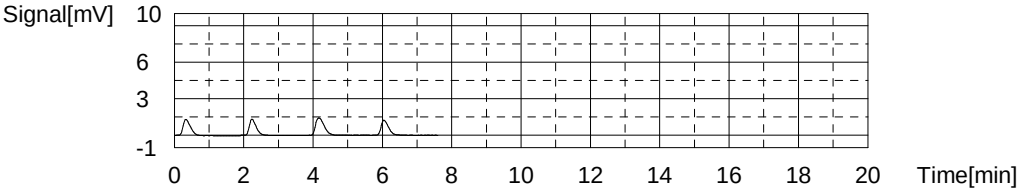
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7536mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.934	0.8043mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:41:46 PM
2	1.786	0.7125mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:43:49 PM
3	2.451	1.125mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	5/4/2010 6:45:53 PM
4	1.837	0.7441mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 6:47:56 PM

Mean Area 1.852
Mean Conc. 0.7536mg/L



Sample

Sample Name: 680-57237-6
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

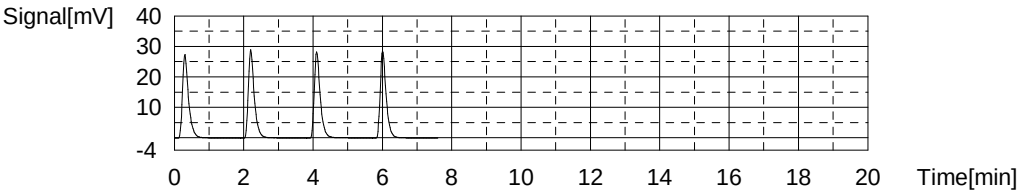
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:19.68mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.62	19.85mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 6:53:47 PM
2	34.01	19.91mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 6:55:50 PM
3	33.49	19.61mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 6:57:53 PM
4	33.31	19.50mg/L	50uL	1		cal100a.2010_03_08_11_56_47.cal	5/4/2010 6:59:56 PM

Mean Area 33.60
Mean Conc. 19.68mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status Completed
Chk. Result

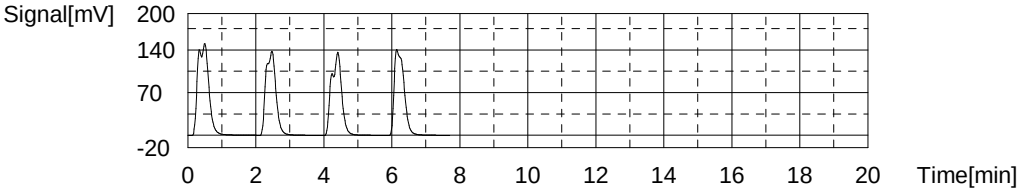
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:197.2mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	339.4	210.2mg/L	50uL	1	R	cal10.2010_03_08_11_20_17.cal	5/4/2010 7:10:28 PM
2	283.9	198.5mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	5/4/2010 7:12:31 PM
3	280.6	196.2mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	5/4/2010 7:14:35 PM
4	281.7	197.0mg/L	40uL	1		cal500a.2010_03_08_13_34_57.cal	5/4/2010 7:16:38 PM

Mean Area 282.1
Mean Conc. 197.2mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

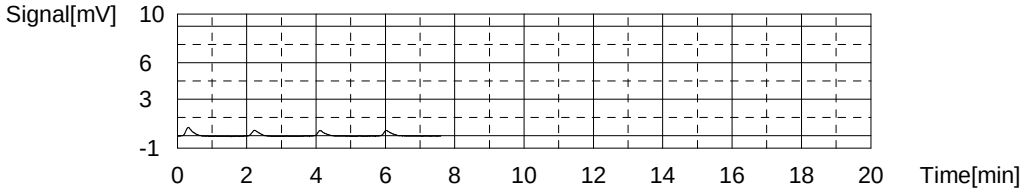
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.00284mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9644	0.2026mg/L	50uL	1	E	cal10.2010_03_08_11_20_17.cal	5/4/2010 7:26:53 PM
2	0.6703	0.02009mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 7:28:56 PM
3	0.6187	-0.01193mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 7:30:59 PM
4	0.6385	0.00036mg/L	50uL	1		cal10.2010_03_08_11_20_17.cal	5/4/2010 7:33:02 PM

Mean Area	0.6425
Mean Conc.	0.00284mg/L



General Chemistry Worksheet

Batch Number: 680-167099
Method: 300.0
Analyst: Brazell, Connie

Date Open: Apr 28 2010 11:57PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	504.1 SURR_00001	Anion-1_00041	Anion-2_00040	Anion-3_00037
IC~680-167099/1		300.0		1 mL	5 mL		5 mL		
IC~680-167099/2		300.0		1 mL	5 mL			5 mL	
IC~680-167099/3		300.0		1 mL	5 mL				5 mL
IC~680-167099/4		300.0		1 mL	5 mL				
IC~680-167099/5		300.0		1 mL	5 mL				
IC~680-167099/6		300.0		1 mL	5 mL				
MB~680-167099/7				1 mL	5 mL				
ICV~680-167099/8				1 mL	5 mL				
680-57080-A-1			T	1 mL	5 mL		2.5 mL		
680-57080-A-1			T	1 mL	5 mL	# %	1.0 mL		
680-57080-A-1			T	1 mL	5 mL	# %	0.5 mL		
CCV~680-167099/12				1 mL	5 mL	# %			
CCB~680-167099/13				1 mL	5 mL				
DI				1 mL	5 mL				

General Chemistry Worksheet

Batch Number: 680-167099
Method: 300.0
Analyst: Brazell, Connie

Date Open: Apr 28 2010 11:57PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Anion-4_00049	Anion-5_00041	Anion-6_00036	Anion_ICV_00039
IC~680-167099/1		300.0					
IC~680-167099/2		300.0					
IC~680-167099/3		300.0					
IC~680-167099/4		300.0		5 mL			
IC~680-167099/5		300.0			5 mL		
IC~680-167099/6		300.0				5 mL	
MB~680-167099/7							
ICV~680-167099/8							5 mL
680-57080-A-1			T				
680-57080-A-1			T				
680-57080-A-1			T				
CCV~680-167099/12				5 mL			
CCB~680-167099/13							
DI							

Filter Lot #: P/N 038009
Eluent 1 Lot: SN 091022967011
Regeneration Solution Lot: N/A
Ethylenediamine Lot: N/A

General Chemistry Worksheet

Batch Number: 680-167099
Method: 300.0
Analyst: Brazell, Connie

Date Open: Apr 28 2010 11:57PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
IC~680-167099/1		300.0		
IC~680-167099/2		300.0		
IC~680-167099/3		300.0		
IC~680-167099/4		300.0		
IC~680-167099/5		300.0		
IC~680-167099/6		300.0		
MB~680-167099/7				
ICV~680-167099/8				
680-57080-A-1			T	
680-57080-A-1			T	
680-57080-A-1			T	
CCV~680-167099/12				
CCB~680-167099/13				
DI				

Batch Comment: NONE

General Chemistry Worksheet

Batch Number: 680-167339
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 03 2010 8:46AM
Batch End: May 03 2010 8:33PM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-167339/1		SM 2540D		P0920	0.1184 g	200 mL	0.1186 g	0.1185 g	0 g
LCS~680-167339/2		SM 2540D		P0919	0.1186 g	200 mL	0.1400 g	0.1400 g	0 g
LCSD~680-167339/3		SM 2540D		P0921	0.1164 g	200 mL	0.1390 g	0.1390 g	0 g
680-57244-F-19			T	P0922	0.1160 g	200 mL	0.1168 g	0.1170 g	0 g
680-57244-F-19~DU			T	P0923	0.1170 g	200 mL	0.1184 g	0.1185 g	0 g
680-57244-L-3			T	P0924	0.1171 g	200 mL	0.1177 g	0.1175 g	0 g
680-57244-L-9			T	P0925	0.1180 g	200 mL	0.1207 g	0.1210 g	0 g
680-57244-L-7			T	P0926	0.1170 g	200 mL	0.1171 g	0.1171 g	0 g
680-57195-A-3			T	P0927	0.1189 g	200 mL	0.1259 g	0.1259 g	0 g
680-57195-A-5			T	P0928	0.1187 g	200 mL	0.1255 g	0.1256 g	0 g
680-57195-A-4			T	P0929	0.1140 g	200 mL	0.1249 g	0.1249 g	0 g
680-57195-B-2			T	P0930	0.1174 g	200 mL	0.1256 g	0.1255 g	0 g
680-57244-G-17			T	P0931	0.1193 g	200 mL	0.1193 g	0.1196 g	0 g
680-57237-A-6	ISCO IW-16	SM 2540D	T	P0932	0.1174 g	200 mL	0.1227 g	0.1227 g	0 g
680-57244-L-13			T	P0933	0.1169 g	200 mL	0.1172 g	0.1170 g	0 g
680-57244-G-15			T	P0934	0.1170 g	200 mL	0.1172 g	0.1173 g	0 g
680-57244-L-5			T	P0935	0.1191 g	200 mL	0.1206 g	0.1208 g	0 g
680-57244-J-1			T	P0936	0.1163 g	200 mL	0.1164 g	0.1165 g	0 g
680-57195-B-1			T	P0937	0.1175 g	200 mL	0.1265 g	0.1264 g	0 g
680-57195-B-1~DU			T	P0938	0.1173 g	200 mL	0.1256 g	0.1257 g	0 g
680-57244-L-11			T	P0939	0.1172 g	200 mL	0.1175 g	0.1174 g	0 g
680-57237-A-3			T	P0940	0.1177 g	200 mL	0.1181 g	0.1182 g	0 g
680-57237-A-4	ISCO IW-05	SM 2540D	T	P0941	0.1176 g	200 mL	0.1180 g	0.1178 g	0 g
680-57237-A-5	ISCO IW-06	SM 2540D	T	P0942	0.1196 g	200 mL	0.1202 g	0.1203 g	0 g
680-57179-A-1			T	P0943	0.1181 g	200 mL	0.1203 g	0.1204 g	0 g

General Chemistry Worksheet

Batch Number: 680-167339
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 03 2010 8:46AM
Batch End: May 03 2010 8:33PM

Lab ID	Client ID	Method Chain	Basis	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Weight of Residue 3	Final weight/volume of sample	TSS LCS_00187
MB~680-167339/1		SM 2540D		PASS_D g	0.0002 g	0.0001 g	NaN g	200 mL	
LCS~680-167339/2		SM 2540D		PASS_D g	0.0214 g	0.0214 g	NaN g	200 mL	200 mL
LCSD~680-167339/3		SM 2540D		PASS_D g	0.0226 g	0.0226 g	NaN g	200 mL	200 mL
680-57244-F-19			T	PASS_D g	0.0008 g	0.001 g	NaN g	200 mL	
680-57244-F-19~DU			T	PASS_D g	0.0014 g	0.0015 g	NaN g	200 mL	
680-57244-L-3			T	PASS_D g	0.0006 g	0.0004 g	NaN g	200 mL	
680-57244-L-9			T	PASS_D g	0.0027 g	0.003 g	NaN g	200 mL	
680-57244-L-7			T	PASS_D g	0.0001 g	0.0001 g	NaN g	200 mL	
680-57195-A-3			T	PASS_D g	0.0070 g	0.007 g	NaN g	200 mL	
680-57195-A-5			T	PASS_D g	0.0068 g	0.0069 g	NaN g	200 mL	
680-57195-A-4			T	PASS_D g	0.0109 g	0.0109 g	NaN g	200 mL	
680-57195-B-2			T	PASS_D g	0.0082 g	0.0081 g	NaN g	200 mL	
680-57244-G-17			T	PASS_D g	0.0000 g	0.0003 g	NaN g	200 mL	
680-57237-A-6	ISCO IW-16	SM 2540D	T	PASS_D g	0.0053 g	0.0053 g	NaN g	200 mL	
680-57244-L-13			T	PASS_D g	0.0003 g	0.0001 g	NaN g	200 mL	
680-57244-G-15			T	PASS_D g	0.0002 g	0.0003 g	NaN g	200 mL	
680-57244-L-5			T	PASS_D g	0.0015 g	0.0017 g	NaN g	200 mL	
680-57244-J-1			T	PASS_D g	0.0001 g	0.0002 g	NaN g	200 mL	
680-57195-B-1			T	PASS_D g	0.0090 g	0.0089 g	NaN g	200 mL	
680-57195-B-1~DU			T	PASS_D g	0.0083 g	0.0084 g	NaN g	200 mL	
680-57244-L-11			T	PASS_D g	0.0003 g	0.0002 g	NaN g	200 mL	
680-57237-A-3			T	PASS_D g	0.0004 g	0.0005 g	NaN g	200 mL	
680-57237-A-4	ISCO IW-05	SM 2540D	T	PASS_D g	0.0004 g	0.0002 g	NaN g	200 mL	
680-57237-A-5	ISCO IW-06	SM 2540D	T	PASS_D g	0.0006 g	0.0007 g	NaN g	200 mL	
680-57179-A-1			T	PASS_D g	0.0022 g	0.0023 g	NaN g	200 mL	

Nominal Amount Used: 200 mL
Oven ID: B
Date samples were place in the oven: 05.03.10
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 05.03.10
Oven Temp when samples removed from oven: 105 Celsius
Balance ID: 13
Filter Paper Lot Number: 94559010098R2

General Chemistry Worksheet

Batch Number: 680-167339
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 03 2010 8:46AM
Batch End: May 03 2010 8:33PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-167339/1		SM 2540D		
LCS~680-167339/2		SM 2540D		
LCSD~680-167339/3		SM 2540D		
680-57244-F-19			T	
680-57244-F-19~DU			T	
680-57244-L-3			T	
680-57244-L-9			T	
680-57244-L-7			T	
680-57195-A-3			T	
680-57195-A-5			T	
680-57195-A-4			T	
680-57195-B-2			T	
680-57244-G-17			T	
680-57237-A-6	ISCO IW-16	SM 2540D	T	
680-57244-L-13			T	
680-57244-G-15			T	
680-57244-L-5			T	
680-57244-J-1			T	
680-57195-B-1			T	
680-57195-B-1~DU			T	
680-57244-L-11			T	
680-57237-A-3			T	
680-57237-A-4	ISCO IW-05	SM 2540D	T	
680-57237-A-5	ISCO IW-06	SM 2540D	T	
680-57179-A-1			T	

Batch Comment: N/A

General Chemistry Worksheet

Batch Number: 680-167375
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 03 2010 12:03PM
Batch End: May 03 2010 8:04PM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-167375/1		SM 2540D		P0256	0.1161 g	200 mL	0.1159 g	0.1158 g	0 g
LCS~680-167375/2		SM 2540D		P0257	0.1166 g	200 mL	0.1359 g	0.1362 g	0 g
LCSD~680-167375/3		SM 2540D		P0258	0.1148 g	200 mL	0.1329 g	0.1331 g	0 g
680-57197-A-3			T	P0259	0.1186 g	20 mL	0.1188 g	0.1189 g	0 g
680-57197-A-3~DU			T	P0260	0.1176 g	200 mL	0.1177 g	0.1180 g	0 g
680-57197-A-2			T	P0261	0.1170 g	200 mL	0.1171 g	0.1172 g	0 g
680-57197-A-1			T	P0262	0.1187 g	200 mL	0.1190 g	0.1189 g	0 g
680-57237-A-2	ISCO MW 01	SM 2540D	T	P0263	0.1195 g	200 mL	0.1216 g	0.1217 g	0 g
680-57237-A-1	ISCO MW 04	SM 2540D	T	P0264	0.1176 g	200 mL	0.1174 g	0.1177 g	0 g
680-57208-A-1			T	P0265	0.1182 g	200 mL	0.1408 g	0.1407 g	0 g
680-57213-A-1			T	P0266	0.1189 g	200. mL	0.1199 g	0.1199 g	0 g
680-57204-A-1			T	P0267	0.1164 g	200 mL	0.1196 g	0.1195 g	0 g

General Chemistry Worksheet

Batch Number: 680-167375
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 03 2010 12:03PM
Batch End: May 03 2010 8:04PM

Lab ID	Client ID	Method Chain	Basis	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Weight of Residue 3	Final weight/volume of sample	TSS LCS_00187
MB~680-167375/1		SM 2540D		PASS_D g	-0.0002 g	-0.0003 g	NaN g	200 mL	
LCS~680-167375/2		SM 2540D		PASS_D g	0.0193 g	0.0196 g	NaN g	200 mL	200 mL
LCSD~680-167375/3		SM 2540D		PASS_D g	0.0181 g	0.0183 g	NaN g	200 mL	200 mL
680-57197-A-3			T	PASS_D g	0.0002 g	0.0003 g	NaN g	200 mL	
680-57197-A-3~DU			T	PASS_D g	0.0001 g	0.0004 g	NaN g	200 mL	
680-57197-A-2			T	PASS_D g	0.0001 g	0.0002 g	NaN g	200 mL	
680-57197-A-1			T	PASS_D g	0.0003 g	0.0002 g	NaN g	200 mL	
680-57237-A-2	ISCO MW 01	SM 2540D	T	PASS_D g	0.0021 g	0.0022 g	NaN g	200 mL	
680-57237-A-1	ISCO MW 04	SM 2540D	T	PASS_D g	-0.0002 g	0.0001 g	NaN g	200 mL	
680-57208-A-1			T	PASS_D g	0.0226 g	0.0225 g	NaN g	200 mL	
680-57213-A-1			T	PASS_D g	0.0010 g	0.001 g	NaN g	200 mL	
680-57204-A-1			T	PASS_D g	0.0032 g	0.0031 g	NaN g	200 mL	

Nominal Amount Used: 200 mL
Oven ID: B
Date samples were place in the oven: 05.03.10
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 05.03.10
Oven Temp when samples removed from oven: 105 Celsius
Balance ID: 13
Filter Paper Lot Number: 94559010098R2

General Chemistry Worksheet

Batch Number: 680-167375
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 03 2010 12:03PM
Batch End: May 03 2010 8:04PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-167375/1		SM 2540D		
LCS~680-167375/2		SM 2540D		
LCSD~680-167375/3		SM 2540D		
680-57197-A-3			T	
680-57197-A-3~DU			T	
680-57197-A-2			T	
680-57197-A-1			T	
680-57237-A-2	ISCO MW 01	SM 2540D	T	
680-57237-A-1	ISCO MW 04	SM 2540D	T	
680-57208-A-1			T	
680-57213-A-1			T	
680-57204-A-1			T	

Batch Comment: N/A

General Chemistry Worksheet

Batch Number: 680-167386
Method: 160.1
Analyst: Jackson, Michelle S

Date Open: May 03 2010 12:59PM
Batch End: May 05 2010 2:00PM

Lab ID	Client ID	Method Chain	Basis	Conductivity of sample	CrucibleID	Initial weight/volume of sample	Tare Weight	First Weighing	Second Weighing
MB~680-167386/1		SM 2540C			48	100 mL	71.4502 g	71.4503 g	71.4504 g
LCS~680-167386/2		SM 2540C			50	100 mL	77.8620 g	77.9028 g	77.9024 g
LCSD~680-167386/3		SM 2540C			72	100 mL	79.6753 g	79.7159 g	79.7162 g
680-57237-A-1	ISCO MW 04	SM 2540C	T	356.00 umhos/cm	5	100 mL	73.5656 g	73.5908 g	73.5904 g
680-57237-A-2	ISCO MW 01	SM 2540C	T	353.00 umhos/cm	499	100 mL	68.0308 g	68.0522 g	68.0524 g
680-57237-A-3			T	6.16 umhos/cm	12	100 mL	77.1599 g	77.1599 g	77.1598 g
680-57237-A-4	ISCO IW-05	SM 2540C	T	344.00 umhos/cm	899	100 mL	72.1417 g	72.1658 g	72.1659 g
680-57237-A-5	ISCO IW-06	SM 2540C	T	398.00 umhos/cm	CAX	100 mL	72.9709 g	72.9962 g	72.9959 g
680-57237-A-6	ISCO IW-16	SM 2540C	T	398.00 umhos/cm	74	100 mL	75.6606 g	75.6860 g	75.6857 g
680-57100-B-1			T	119.80 umhos/cm	84	100 mL	75.4384 g	75.4476 g	75.4477 g
680-57105-C-1			T	160.30 umhos/cm	111	100 mL	72.2565 g	72.2662 g	72.2660 g
680-57144-B-1			T	340.00 umhos/cm	241	100 mL	74.9467 g	74.9668 g	74.9667 g
680-57144-B-2			T	1387.00 umhos/cm	104	100 mL	77.9663 g	78.0469 g	78.0469 g
680-57144-B-2~DU			T	1387.00 umhos/cm	24	100 mL	70.0843 g	70.1645 g	70.1645 g
680-57144-D-3			T	202.00 umhos/cm	582	100 mL	74.2343 g	74.2476 g	74.2476 g
680-57144-A-4			T	3190.00 umhos/cm	71	50 mL	76.1966 g	76.2867 g	76.2864 g
680-57146-A-1			T	466.00 umhos/cm	2	100 mL	74.7402 g	74.7746 g	74.7748 g
680-57146-A-2			T	796.00 umhos/cm	954	100 mL	74.9963 g	75.0426 g	75.0425 g
680-57157-A-1			T	32400.00 umhos/cm	33	5 mL	72.8567 g	72.9510 g	72.9507 g
680-57202-A-1			T	9310.00 umhos/cm	13	5 mL	75.2684 g	75.3001 g	75.2999 g
680-57244-J-1			T	97.700 umhos/cm	75	100 mL	69.3781 g	69.3808 g	69.3805 g
680-57244-L-7			T	1.610 umhos/cm	599	100 mL	71.3583 g	71.3585 g	71.3583 g
680-57244-L-9			T	119.30 umhos/cm	341	100 mL	72.5750 g	72.5820 g	72.5820 g
680-57244-F-19			T	113.700 umhos/cm	68	100 mL	71.1613 g	71.1684 g	71.1684 g
680-57244-F-19~DU			T	113.700 umhos/cm	668	100 mL	74.0620 g	74.0695 g	74.0693 g

General Chemistry Worksheet

Batch Number: 680-167386
Method: 160.1
Analyst: Jackson, Michelle S

Date Open: May 03 2010 12:59PM
Batch End: May 05 2010 2:00PM

Lab ID	Client ID	Method Chain	Basis	Third Weighing	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Final weight/volume of sample	TS/TDS LCS_00084
MB~680-167386/1		SM 2540C		0 g	PASS_D	0.0001 g	0.0002 g	100 mL	
LCS~680-167386/2		SM 2540C		0 g	PASS_D	0.0408 g	0.0404 g	100 mL	100 mL
LCSD~680-167386/3		SM 2540C		0 g	PASS_D	0.0406 g	0.0409 g	100 mL	100 mL
680-57237-A-1	ISCO MW 04	SM 2540C	T	0 g	PASS_D	0.0252 g	0.0248 g	100 mL	
680-57237-A-2	ISCO MW 01	SM 2540C	T	0 g	PASS_D	0.0214 g	0.0216 g	100 mL	
680-57237-A-3			T	0 g	PASS_D	0.0000 g	-0.0001 g	100 mL	
680-57237-A-4	ISCO IW-05	SM 2540C	T	0 g	PASS_D	0.0241 g	0.0242 g	100 mL	
680-57237-A-5	ISCO IW-06	SM 2540C	T	0 g	PASS_D	0.0253 g	0.0250 g	100 mL	
680-57237-A-6	ISCO IW-16	SM 2540C	T	0 g	PASS_D	0.0254 g	0.0251 g	100 mL	
680-57100-B-1			T	0 g	PASS_D	0.0092 g	0.0093 g	100 mL	
680-57105-C-1			T	0 g	PASS_D	0.0097 g	0.0095 g	100 mL	
680-57144-B-1			T	0 g	PASS_D	0.0201 g	0.0200 g	100 mL	
680-57144-B-2			T	0 g	PASS_D	0.0806 g	0.0806 g	100 mL	
680-57144-B-2~DU			T	0 g	PASS_D	0.0802 g	0.0802 g	100 mL	
680-57144-D-3			T	0 g	PASS_D	0.0133 g	0.0133 g	100 mL	
680-57144-A-4			T	0 g	PASS_D	0.0901 g	0.0898 g	100 mL	
680-57146-A-1			T	0 g	PASS_D	0.0344 g	0.0346 g	100 mL	
680-57146-A-2			T	0 g	PASS_D	0.0463 g	0.0462 g	100 mL	
680-57157-A-1			T	0 g	PASS_D	0.0943 g	0.0940 g	100 mL	
680-57202-A-1			T	0 g	PASS_D	0.0317 g	0.0315 g	100 mL	
680-57244-J-1			T	0 g	PASS_D	0.0027 g	0.0024 g	100 mL	
680-57244-L-7			T	0 g	PASS_D	0.0002 g	0.0000 g	100 mL	
680-57244-L-9			T	0 g	PASS_D	0.0070 g	0.0070 g	100 mL	
680-57244-F-19			T	0 g	PASS_D	0.0071 g	0.0071 g	100 mL	
680-57244-F-19~DU			T	0 g	PASS_D	0.0075 g	0.0073 g	100 mL	

Oven ID:	B	Constant Weight (WT2) Date/Time in Oven:	05.05.10/11:00
ID number of the thermometer:	GE02	Constant Weight (WT2) Temp In:	180 Celsius
Nominal Amount Used:	100 mL	Constant Weight (WT2) Date/Time Out:	05.05.10/12:45
Date samples were place in the oven:	05.03.10@105/ 05.04.10@180	Constant Weight (WT2) Temp Out:	180 Celsius
Oven Temp when samples are put in oven:	105 Celsius	Constant Weight (WT3) Date/time In:	n/a
Date samples were removed from oven:	05.05.10	Constant Weight (WT3) Temp In:	n/a Celsius
Oven Temp when samples removed from oven:	180 Celsius	Constant Weight (WT3) Date/Time Out:	n/a
Balance ID:	13	Constant Weight (WT3) Temp Out:	n/a Celsius
Filter Paper Lot Number:	K11709117		

General Chemistry Worksheet

Batch Number: 680-167386
Method: 160.1
Analyst: Jackson, Michelle S

Date Open: May 03 2010 12:59PM
Batch End: May 05 2010 2:00PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-167386/1		SM 2540C		
LCS~680-167386/2		SM 2540C		
LCSD~680-167386/3		SM 2540C		
680-57237-A-1	ISCO MW 04	SM 2540C	T	
680-57237-A-2	ISCO MW 01	SM 2540C	T	
680-57237-A-3			T	
680-57237-A-4	ISCO IW-05	SM 2540C	T	
680-57237-A-5	ISCO IW-06	SM 2540C	T	
680-57237-A-6	ISCO IW-16	SM 2540C	T	
680-57100-B-1			T	
680-57105-C-1			T	
680-57144-B-1			T	
680-57144-B-2			T	
680-57144-B-2~DU			T	
680-57144-D-3			T	
680-57144-A-4			T	
680-57146-A-1			T	
680-57146-A-2			T	
680-57157-A-1			T	
680-57202-A-1			T	
680-57244-J-1			T	
680-57244-L-7			T	
680-57244-L-9			T	
680-57244-F-19			T	
680-57244-F-19~DU			T	

Batch Comment: n/a

General Chemistry Worksheet

Batch Number: 680-167588
Method: SM 2320B
Analyst: Vasquez, Juana

Date Open: May 04 2010 4:00PM
Batch End: May 04 2010 6:17PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	7.0 PH BUF_00079	Alk LCS_00053
MB~680-167588/1		SM 2320B		25 mL	BuretStart2 is blank	25 mL		
LCS~680-167588/2		SM 2320B		25 mL	BuretStart2 is blank	25 mL		25 mL
680-57237-C-1	ISCO MW 04	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57237-C-2	ISCO MW 01	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57237-C-3			T	25 mL	BuretStart2 is blank	25 mL		
680-57237-C-4	ISCO IW-05	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57237-C-5	ISCO IW-06	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57237-C-6	ISCO IW-16	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57197-A-1				25 mL	BuretStart2 is blank	25 mL		
680-57197-A-2				25 mL	BuretStart2 is blank	25 mL		
680-57197-A-3				25 mL	BuretStart2 is blank	25 mL		
680-57197-A-3~DU				25 mL	BuretStart2 is blank	25 mL		
CCV~680-167588/13				25 mL	BuretStart2 is blank	25 mL	25 mL	
680-57244-H-1			T	25 mL	BuretStart2 is blank	25 mL		
680-57244-H-3			T	25 mL	BuretStart2 is blank	25 mL		
680-57244-H-5			T	25 mL	BuretStart2 is blank	25 mL		
680-57244-H-7			T	25 mL	BuretStart2 is blank	25 mL		
680-57244-H-9			T	25 mL	BuretStart2 is blank	25 mL		
680-57244-H-11			T	25 mL	BuretStart2 is blank	25 mL		
680-57244-H-13			T	25 mL	BuretStart2 is blank	25 mL		
680-57244-J-15			T	25 mL	BuretStart2 is blank	25 mL		
680-57229-C-4			T	25 mL	BuretStart2 is blank	25 mL		
680-57229-C-4~DU			T	25 mL	BuretStart2 is blank	25 mL		
CCV~680-167588/24				25 mL	BuretStart2 is blank	25 mL	25 mL	

First Start time:	1600
First End time:	1817
Nominal Amount Used:	25 mL
Normality of first Titrant:	0.02 N
Lot # of hydrochloric acid:	n
HCl Vendor:	n
Sulfuric Acid Lot Number:	9315
Sulfuric Acid Vendor:	EMD

General Chemistry Worksheet

Batch Number: 680-167588
Method: SM 2320B
Analyst: Vasquez, Juana

Date Open: May 04 2010 4:00PM
Batch End: May 04 2010 6:17PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-167588/1		SM 2320B		
LCS~680-167588/2		SM 2320B		
680-57237-C-1	ISCO MW 04	SM 2320B	T	
680-57237-C-2	ISCO MW 01	SM 2320B	T	
680-57237-C-3			T	
680-57237-C-4	ISCO IW-05	SM 2320B	T	
680-57237-C-5	ISCO IW-06	SM 2320B	T	
680-57237-C-6	ISCO IW-16	SM 2320B	T	
680-57197-A-1				
680-57197-A-2				
680-57197-A-3				
680-57197-A-3~DU				
CCV~680-167588/13				
680-57244-H-1			T	
680-57244-H-3			T	
680-57244-H-5			T	
680-57244-H-7			T	
680-57244-H-9			T	
680-57244-H-11			T	
680-57244-H-13			T	
680-57244-J-15			T	
680-57229-C-4			T	
680-57229-C-4~DU			T	
CCV~680-167588/24				

Batch Comment: n

General Chemistry Worksheet

Batch Number: 680-167636
Method: SM 5310B
Analyst: Blackshear, Kim

Date Open: May 04 2010 10:51AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00009	TOC LCS_00036
MB~680-167636/1		SM 5310B		25 mL	25 mL		
LCS~680-167636/2		SM 5310B		25 mL	25 mL		25 mL
680-57105-E-1			T	25 mL	25 mL		
680-57105-E-1~MS			T	25 mL	25 mL	0.25 mL	
680-57105-E-1~MSD			T	25 mL	25 mL	0.25 mL	
680-57237-B-1	ISCO MW 04	SM 5310B	T	25 mL	25 mL		
680-57237-B-2	ISCO MW 01	SM 5310B	T	25 mL	25 mL		
680-57237-B-3			T	25 mL	25 mL		
680-57237-B-4	ISCO IW-05	SM 5310B	T	25 mL	25 mL		
680-57237-B-5	ISCO IW-06	SM 5310B	T	25 mL	25 mL		
680-57237-B-5~DU	ISCO IW-06	SM 5310B	T	25 mL	25 mL		
680-57237-B-6	ISCO IW-16	SM 5310B	T	25 mL	25 mL		

HCl Vendor: Mallinckrodt
Lot # of hydrochloric acid: 50% HCl-00006

General Chemistry Worksheet

Batch Number: 680-167636
Method: SM 5310B
Analyst: Blackshear, Kim

Date Open: May 04 2010 10:51AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-167636/1		SM 5310B		
LCS~680-167636/2		SM 5310B		
680-57105-E-1			T	
680-57105-E-1~MS			T	
680-57105-E-1~MSD			T	
680-57237-B-1	ISCO MW 04	SM 5310B	T	
680-57237-B-2	ISCO MW 01	SM 5310B	T	
680-57237-B-3			T	
680-57237-B-4	ISCO IW-05	SM 5310B	T	
680-57237-B-5	ISCO IW-06	SM 5310B	T	
680-57237-B-5~DU	ISCO IW-06	SM 5310B	T	
680-57237-B-6	ISCO IW-16	SM 5310B	T	

Batch Comment: N/A

General Chemistry Worksheet

Batch Number: 680-167990
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 08 2010 1:47PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	All_Anions_00019	Anion-4_00049	Anion_ICV_00039
CCV~680-167990/3		300.0		1 mL	5 mL		5 mL	
MB~680-167990/4		300.0		1 mL	5 mL			
LCS~680-167990/5		300.0		1 mL	5 mL			5 mL
680-57237-D-1	ISCO MW 04	300.0	T	1 mL	5 mL			
680-57237-D-1~MS	ISCO MW 04	300.0	T	1 mL	5 mL	50 uL		
460-12698-D-1			T	1 mL	5 mL			
460-12701-D-1			T	1 mL	5 mL			
460-12701-D-2			T	1 mL	5 mL			
460-12701-D-2~MS			T	1 mL	5 mL	50 uL		
460-12701-D-2~MSD			T	1 mL	5 mL	50 uL		
460-12701-D-3			T	1 mL	5 mL			
460-12701-D-4			T	1 mL	5 mL			
460-12701-D-5			T	1 mL	5 mL			
CCV~680-167990/16		300.0		1 mL	5 mL		5 mL	
CCB~680-167990/17		300.0		1 mL	5 mL			
460-12701-D-6			T	1 mL	5 mL			
460-12701-D-7			T	1 mL	5 mL			
460-12701-D-8			T	1 mL	5 mL			
460-12701-D-9			T	1 mL	5 mL			
460-12701-D-10			T	1 mL	5 mL			
460-12701-D-11			T	1 mL	5 mL			
460-12701-D-12			T	1 mL	5 mL			
460-12701-D-13			T	1 mL	5 mL			
460-12701-D-13~MS			T	1 mL	5 mL	50 uL		
460-12701-E-14			T	1 mL	5 mL			

General Chemistry Worksheet

Batch Number: 680-167990
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 08 2010 1:47PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	All_Anions_00019	Anion-4_00049	Anion_ICV_00039
CCV~680-167990/28				1 mL	5 mL		5 mL	
CCB~680-167990/29				1 mL	5 mL			

Filter Lot #: P/N 038009
Eluent 1 Lot: SN 091022967011
Regeneration Solution Lot: N/A
Ethylenediamine Lot: N/A

General Chemistry Worksheet

Batch Number: 680-167990
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 08 2010 1:47PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-167990/3		300.0		
MB~680-167990/4		300.0		
LCS~680-167990/5		300.0		
680-57237-D-1	ISCO MW 04	300.0	T	
680-57237-D-1~MS	ISCO MW 04	300.0	T	
460-12698-D-1			T	
460-12701-D-1			T	
460-12701-D-2			T	
460-12701-D-2~MS			T	
460-12701-D-2~MSD			T	
460-12701-D-3			T	
460-12701-D-4			T	
460-12701-D-5			T	
CCV~680-167990/16		300.0		
CCB~680-167990/17		300.0		
460-12701-D-6			T	
460-12701-D-7			T	
460-12701-D-8			T	
460-12701-D-9			T	
460-12701-D-10			T	
460-12701-D-11			T	
460-12701-D-12			T	
460-12701-D-13			T	
460-12701-D-13~MS			T	
460-12701-E-14			T	

General Chemistry Worksheet

Batch Number: 680-167990
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 08 2010 1:47PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-167990/28 CCB~680-167990/29				

Batch Comment: NONE

General Chemistry Worksheet

Batch Number: 680-167994
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 07 2010 11:33AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Anion-1_00041	Anion-2_00040	Anion-3_00037	Anion-4_00049
IC~680-167994/1		300.0		1 mL	5 mL	5 mL			
IC~680-167994/2		300.0		1 mL	5 mL		5 mL		
IC~680-167994/4		300.0		1 mL	5 mL			5 mL	
IC~680-167994/5		300.0		1 mL	5 mL				5 mL
IC~680-167994/6		300.0		1 mL	5 mL				
IC~680-167994/7		300.0		1 mL	5 mL				
MB~680-167994/8		300.0		1 mL	5 mL				
LCS~680-167994/9		300.0		1 mL	5 mL				
680-57237-D-2	ISCO MW 01	300.0	T	1 mL	5 mL				
680-57237-D-3			T	1 mL	5 mL				
680-57237-D-4	ISCO IW-05	300.0	T	1 mL	5 mL				
680-57237-D-5	ISCO IW-06	300.0	T	1 mL	5 mL				
680-57237-D-6	ISCO IW-16	300.0	T	1 mL	5 mL				
CCV~680-167994/15		300.0		1 mL	5 mL				5 mL
CCB~680-167994/16		300.0		1 mL	5 mL				

General Chemistry Worksheet

Batch Number: 680-167994
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 07 2010 11:33AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Anion-5_00041	Anion-6_00036	Anion_ICV_00039
IC~680-167994/1		300.0				
IC~680-167994/2		300.0				
IC~680-167994/4		300.0				
IC~680-167994/5		300.0				
IC~680-167994/6		300.0		5 mL		
IC~680-167994/7		300.0			5 mL	
MB~680-167994/8		300.0				
LCS~680-167994/9		300.0				5 mL
680-57237-D-2	ISCO MW 01	300.0	T			
680-57237-D-3			T			
680-57237-D-4	ISCO IW-05	300.0	T			
680-57237-D-5	ISCO IW-06	300.0	T			
680-57237-D-6	ISCO IW-16	300.0	T			
CCV~680-167994/15		300.0				
CCB~680-167994/16		300.0				

Filter Lot #: P/N 038009
Eluent 1 Lot: SN 070300824019
Regeneration Solution Lot: N/A
Ethylenediamine Lot: N/A

General Chemistry Worksheet

Batch Number: 680-167994
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 07 2010 11:33AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
IC~680-167994/1		300.0		
IC~680-167994/2		300.0		
IC~680-167994/4		300.0		
IC~680-167994/5		300.0		
IC~680-167994/6		300.0		
IC~680-167994/7		300.0		
MB~680-167994/8		300.0		
LCS~680-167994/9		300.0		
680-57237-D-2	ISCO MW 01	300.0	T	
680-57237-D-3			T	
680-57237-D-4	ISCO IW-05	300.0	T	
680-57237-D-5	ISCO IW-06	300.0	T	
680-57237-D-6	ISCO IW-16	300.0	T	
CCV~680-167994/15		300.0		
CCB~680-167994/16		300.0		

Batch Comment: NONE

Shipping and Receiving Documents

Intercompany Chain of Custody

SDG/Job Reference:	**137114**
PO Reference:	**137114**
Project ID:	**PANTRA**
Project Name:	**Lawrence Aviation**
Due Date:	**5/7/2010**

TestAmerica Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403
Phone: 802.660.1990
Fax: 802.660.1919

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Sample ID	TAL Burlington Sample ID	Matrix	Date Sampled	Time Sampled	Cl & Sulfates by 300	TSS by SM2540D	TDS by SM2540C	TOC by SM3510C	Alkalinity by SM2320B
ISCO MW 04	828421	WATER	4/27/2010	1330	X	X	X	X	X
ISCO MW 01	828422	WATER	4/27/2010	1500	X	X	X	X	X
FB 100428	828423	WATER	4/28/2010	1630	X	X	X	X	X
ISCO IW-05	828425	WATER	4/28/2010	1145	X	X	X	X	X
ISCO IW-06	828426	WATER	4/28/2010	1530	X	X	X	X	X
ISCO IW-16	828427	WATER	4/28/2010	1400	X	X	X	X	X

Relinquished By:	Date: 04/30/10	Time: 1630
Received By: Beth A Daughtry	Date: 5.1.10 c 1239	Time:

Temp 5.2

680-57237

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57237-1
SDG Number: 137114

Login Number: 57237
List Source: TestAmerica Savannah
Creator: Daughtry, Beth
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
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	5.2 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	MS/MSD not requested (no additional volume provided).
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	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	True	

APPENDIX C
PILOT TEST FIELD MONITORING RECORDS
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

Daily ISCO Pilot Test Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 5/3/2010		Field Parameters					
Monitoring Well Designation	**Screened Interval**	**pH**	**Color**	**Cond**	**ORP**	**Temp**	**DTW**
Within Treatment Area							
MW-ISCO-04 15:45	200 - 220	5.49	cloudy	.117	301	17.5	188.6
IW-ISCO-05	200 - 220						
IW-ISCO-06 14:47	200 - 220	5.6	clear	.147	171	18.1	188.6
Downgradient of Treatment Area							
MW-ISCO-01	200 - 220	5.38	clear	.341	289		188
Sidegradient of Treatment Area							
MW-ISCO-03 14:25	200 - 220	5.43	clear	.385	206	18.1 C	189
IW-ISCO-04	200 - 220	5.12	clear	.289	306	16.16	189
IW-ISCO-07 15:25	200 - 220	5.48	clear	.320	282	17.3	188

Color Legend:

- Light Pink
- Medium Pink
- Light Purple
- Medium Purple
- Dark Purple

Notes/Observations:

PANTHER TECHNOLOGIES, INC.

Daily ISCO Pilot Test Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 5/4/10		Field Parameters					
Monitoring Well Designation	**Screened Interval**	**pH**	**Color**	**Cond**	**ORP**	**Temp**	**DTW**
Within Treatment Area							
MW-ISCO-04 14:45	200 - 220	6.55	clear	.314	270	19.1	189
IW-ISCO-05	200 - 220						
IW-ISCO-06 14:30	200 - 220	6.83	clear	.175	134	18.4	188.5
Downgradient of Treatment Area							
MW-ISCO-01 15:15	200 - 220	6.52	clear	.336	254	16.4	188
Sidegradient of Treatment Area							
MW-ISCO-05 14:15	200 - 220	6.55	clear	.125	248	16.0	188.5
IW-ISCO-04 14:00	200 - 220	6.45	clear	.373	245	15.9	189
IW-ISCO-07 15:00	200 - 220	6.29	clear	.334	269	17.2	188

Color Legend:

- Light Pink
- Medium Pink
- Light Purple
- Medium Purple
- Dark Purple

Notes/Observations:

0800 Started permaganate injection into IW ISCO 05
0900 Mixed 2nd frac tank with permaganate
1000 Started injeting 2nd tank of permanganate
1130 Checked DTW on surrounding wells

Total gallons
Flow meter #1 3635.4
Flow meter #2 4194.2

Daily ISCO Pilot Test Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 5/5/10		Field Parameters					
Monitoring Well Designation	**Screened Interval**	**pH**	**Color**	**Cond**	**ORP**	**Temp**	**DTW**
Within Treatment Area							
MW-ISCO-04 14:15	200 - 220	6.45	clear	.318	194	15.1	189
IW-ISCO-05	200 - 220						
IW-ISCO-06 14:00	200 - 220	7.04	clear	.207	125	16.1	189
Downgradient of Treatment Area							
MW-ISCO-01 14:45	200 - 220	~~clear~~ 6.59	clear	.341	259	15.7	189
Sidegradient of Treatment Area							
MW-ISCO-05 13:45	200 - 220	6.69	clear	.123	268	15.8	189
IW-ISCO-04 13:30	200 - 220	6.58	clear	.314	269	15.4	188
IW-ISCO-07 14:30	200 - 220	6.57	clear	.305	218	15.6	189

Color Legend:

- Light Pink
- Medium Pink
- Light Purple
- Medium Purple
- Dark Purple

Notes/Observations:

0730 Started injecting through flow meter #2
0745 Had to clean out screen and flow meter #1
0830 Started injecting through flow meter #1

Flow meter #1 4079.6
Flow meter #2 9931.6

PANTHER TECHNOLOGIES, INC.

Daily ISCO Pilot Test Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 5/6/10 morning		Field Parameters					
Monitoring Well Designation	**Screened Interval**	**pH**	**Color**	**Cond**	**ORP**	**Temp**	**DTW**
Within Treatment Area							
MW-ISCO-04 09:00	200 - 220	6.30	clear	.323	249	14.1	189
IW-ISCO-05	200 - 220						
IW-ISCO-06 09:05	200 - 220	6.86	clear	.230	171	13.8	189
Downgradient of Treatment Area							
MW-ISCO-01 09:15	200 - 220	6.48	clear	.348	208	13.8	189
Sidegradient of Treatment Area							
MW-ISCO-05 08:40	200 - 220	6.61	clear	.128	236	13.5	189
IW-ISCO-04 08:30	200 - 220	6.35	clear	.307	229	13.3	188
IW-ISCO-07 09:10	200 - 220	6.49	clear	.309	260	13.8	189

Color Legend:

- Light Pink
- Medium Pink
- Light Purple
- Medium Purple
- Dark Purple

Notes/Observations:

PANTHER TECHNOLOGIES, INC.

Daily ISCO Pilot Test Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 5/6/10 afternoon		Field Parameters					
Monitoring Well Designation	**Screened Interval**	**pH**	**Color**	**Cond**	**ORP**	**Temp**	**DTW**
Within Treatment Area							
MW-ISCO-04 15:50	200 - 220	6.24	clear	.324	236	14.2	189
IW-ISCO-05	200 - 220						
IW-ISCO-06 15:55	200 - 220	6.72	clear	.231	184	13.9	189
Downgradient of Treatment Area							
MW-ISCO-01 16:10	200 - 220	6.41	clear	.351	201	13.8	189
Sidegradient of Treatment Area							
MW-ISCO-05 15:40	200 - 220	6.58	clear	.130	239	13.4	189
IW-ISCO-04 15:30	200 - 220	6.42	clear	.305	234	13.5	188
IW-ISCO-07 16:00	200 - 220	6.51	clear	.311	258	14.0	189

Color Legend:

- Light Pink
- Medium Pink
- Light Purple
- Medium Purple
- Dark Purple

Notes/Observations:

Flow Totals
Flow Meter #1 9313
Flow Meter #2 16829.6

0715 Started injecting
1700 Stopped injecting

PANTHER TECHNOLOGIES, INC.

Daily ISCO Pilot Test Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 5/7/10 morning		Field Parameters					
Monitoring Well Designation	**Screened Interval**	**pH**	**Color**	**Cond**	**ORP**	**Temp**	**DTW**
Within Treatment Area							
MW-ISCO-04 0945	200 - 220	6.29	clear	.331	315	13.2	189
IW-ISCO-05	200 - 220						
IW-ISCO-06	200 - 220	6.82	clear	.246	174	13.5	188.5
Downgradient of Treatment Area							
MW-ISCO-01	200 - 220	6.53	clear	.349	214	13.7	189
Sidegradient of Treatment Area							
MW-ISCO-05 0915	200 - 220	6.62	clear	.126	309	12.4	189
IW-ISCO-04 0900	200 - 220	6.20	clear	.320	362	12.9	188.5
IW-ISCO-07 0930	200 - 220	6.35	clear	.305	298	12.8	189

Color Legend:

- Light Pink
- Medium Pink
- Light Purple
- Medium Purple
- Dark Purple

Notes/Observations:

0715 Started injecting
1615 Stopped injecting
1630 Pulled out data loggers

Flow meter #1 10723
Flow meter #2 22857

PANTHER TECHNOLOGIES, INC.

Daily ISCO Pilot Test Groundwater Monitoring Field Log. Lawrence Aviation Superfund Site, Port Jefferson, New York.

Date: 5/13/10		Field Parameters					
Monitoring Well Designation	**Screened Interval**	**pH**	**Color**	**Cond**	**ORP**	**Temp**	**DTW**
Within Treatment Area							
MW-ISCO-04	200 - 220	5.69	clear	.332	193	17.5	189
IW-ISCO-05	200 - 220						
IW-ISCO-06 9:30	200 - 220	6.02	Dark purple	1.13	812	11.6	189
Downgradient of Treatment Area							
MW-ISCO-01 13:50	200 - 220	6.18	clear	.329	298	14.4	189
Sidegradient of Treatment Area							
MW-ISCO-05 11:10	200 - 220	5.93	cloudy	.373	524	13.0	189
IW-ISCO-04 13:15	200 - 220	5.84	cloudy	.328	422	15.3	188
IW-ISCO-07 10:25	200 - 220	6.12	cloudy	.332	443	12.7	189

Color Legend:

- Light Pink
- Medium Pink
- Light Purple
- Medium Purple
- Dark Purple

Notes/Observations:

IW 06 has a dark purple color

APPENDIX D
POST PILOT TEST WELL PURGING RECORDS
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

Figure 2. Ground Water Sampling Log

Project LAI 130301 Site Post-Jeffrey Well No. BLO MW-04 Date 5/13/10

Well Depth 217' Screen Length 10' Well Diameter 4" Casing Type SS-Screen PVC Riser

Sampling Device MP50 QED Tubing type Poly 3/8" Disp. Water Level 188'9" TOC

Measuring Point TOC Other Infor

Sampling Personnel J Simpson

Time	pH	Temp	Cond.	Dis.O_2	Turb.	~~[ ]~~ ORP	DTW (TOC)	Flow (ml/min)	Notes / ~~Conc~~ ACS Colorimeter
1010							188'9"		Start Pump
1100	5.79	15.2	0.352	11.08	82	180	188'9"	190	
	5.74	15.8	0.345	16.04	~~220~~ 175	175		"	
1230									Approx 5 gal Purged.
1330	5.68	17.25	0.335	16.86	61	193	189'9½"	190	4.66 (unfiltered)
1400	~~5.73~~ 5.78	16.92	0.329	14.90	57	199			0.55 (Filtered).
									5.02 ppm (Filtered)
1510	5.61	16.97	0.344	12.94	57	209			Approx 8 Gal Purged.
									1.84 ppm
1600	5.68	18.1	0.348	14.98	49	219			1.48
1615	5.65	17.7	0.357	13.50	30	220		190	1.20
1630	5.66	17.3	0.352	9.61	31	226	189'9"		2.04
1700	5.68	17.6	0.357	15.15	41	248	"		2.20 mg/L
1730	5.66	15.8	0.351	14.95	28	275			2.36 "
1745	5.69	15.2	~~0.356~~ 0.351	14.5	24	275	"		2.62 "
1810	OFF.								

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 J30304 Site Port Jeff, NY Well No. ISCO MW04 Date 5/14/10 & 5/17/10

Well Depth 217' Screen Length 10' Well Diameter 4" Casing Type SS Screen PVC Riser

Sampling Device QED MP50 Tubing type Poly Water Level 189' 9"

Measuring Point TOC. Other Infor

Sampling Personnel J Simpson

Time	pH	Temp	Cond.	~~Dis.~~ O_2 / ORP	Turb.	[ ] Conc KMnO4	DTW	Flow	Notes
5/14/10									
1120	5.69	14.5	0.323	280 / 15.86	14	1.80 mg/l	189'9"	195	
1200	5.67	15.8	0.340	285 / 12.9	35	2.56			
1230	5.63	16.9	0.326	285 / 15.2	13	4.14	"	"	
1245	off					4.14			
~~1315~~ 1300	5.60	17.7	0.355	369 / 13	43	4.04	"	"	
1430									
5/17/10									
0745	~~6.49~~		~~0.483~~		~~E~~		189'9"	195	Start Pump.
0840	5.80	14.6	0.352	190 / 14.1	34	2.7	"	"	
0900	5.72	14.4	0.354	241 / 13.3	33	3.4	"	"	
0915	5.75	16.5	0.344	262 / 13.0	30	3.7	"	"	
0930	5.75	16.4	0.346	301 / 13.3	31	3.9	"	"	Samples.
									Take Duplicate.
									ID - ISCO MW-16

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 130300.1 Site Port Jeff Well No. 156 MW-1 Date 5/17/10.

Well Depth 217' Screen Length 10' Well Diameter 4"ϕ Casing Type SS - Screen/PVC Riser

Sampling Device QED mp 50 Tubing type poly Water Level _____

Measuring Point TOC Other Infor _____

Sampling Personnel J. Simpson

ReDox/ KMnO4

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]Conc	DTW	Flow	Notes
1245				102/47	47	0		160	Start Purge
1300	6.11	16.98	0.405	110/6	108	0		"	
1320	6.25	17.01	0.396	121/13	72	—		"	
1345	6.21	17.2	0.388	131/14.2	60	1.33		"	
1415	6.27	16.8	0.341	128/14.5	65	—		"	
1445	6.31	16.9	0.318	136/16.5	51	2.17		"	
1500	6.29	17.2	0.317	148/18	52	3.38		"	Filtered
1520	6.26	17.5	0.314	160/15.9	55	1.33		"	Filtered
1540	6.28	16.4	0.316	162/20	48	1.63		"	Unfiltered
1600	— Pull Samples.								

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 141 J303001 Site Port Jeff, NY Well No. 1560 IW05 Date 5/19/10

Well Depth 221' Screen Length 20' Well Diameter 2" ϕ Casing Type SS Screen

Sampling Device QED MP50 Tubing type Poly Water Level PVC Riser

Measuring Point TOC Other Infor

Sampling Personnel J Simpson

ORP KMNO4

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]Conc	DTW.	Flow.	Notes
5/19									
1130							*		Lt YEL. to clear
1145									"
1200	6.49	14.5	0.100	272/14.8	13.6	4.8 mg/L		220	(1st Filt. / No Dilution)
1215	6.47	14.7	0.101	270/14.7	14.1				
1230	6.51	14.8	0.103	271/14.7	13.2				
1245	6.49	14.9	0.101	274/14.5	13.5				
1300	6.49	15.0	0.102	—	—	6.45		230	(UNFilt / No Dilution)
1315	6.48	14.9	0.101	276 14.4	13.1			240	Sl. Color.
1330	6.49	15.4	0.105	272/14.7	14.2	12.27 ppm		"	
1345	6.50	15.31	0.101	273/14.5	13.1	12.45		"	Lt. Color.
1415	6.48	14.8	0.112	278/14.8	12.8	19.25		"	" "
1500				279/					
1530	6.49	14.7	0.113	/14.1	12.9	22.00		240	Sl. DK. PINK/Rust
1600	6.48	14.5	0.111	281/14.1	13	27 ppm			
1630	6.47	14.	0.115	291/14.2	14	38 ppm		240	Color BRN. into
1750	6.98	14.2	0.607	570/11	140				
5/20 0745	7.13	12.2	0.633	573/5.9	72	46 ppm.		240	"
0815	7.37	14.2	0.640	570/1.1	32	39.6 "		"	
0915	7.43	17.0	0.635	572/1.4	60	41 ppm.		"	

Type of Samples Collected

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

* Water level indicator Not operational

Figure 2. Ground Water Sampling Log

Project LAI J303001 Site Port Jeff NY Well No. 1500-B-1W05 Date 5/20/10 Pg. (2) of (2)

Well Depth 221' Screen Length 20' Well Diameter 2" ϕ Casing Type SS screen / PVC riser

Sampling Device Pump Tubing type poly Water Level

Measuring Point TOC Other Infor

Sampling Personnel J. Simpson

KMNO4

Time	pH	Temp	Cond.	Dis.O_2	Turb.	[ ]Conc		Flow	Notes
1000	7.32	17.7	0.659	579 / 1.2	91	47.4 ppm		240	unfiltered / unfiltered
1015									
1030	7.28	18	0.703	595 / 1.5	93	113 ppm	11.3 dil.	240	Dil. Factor 10/1
1045	7.29	18.4	0.705	594 / 3.9	25	114 "		"	
1100	7.28	18.3	0.706	596 / 1.5	54	120 "		"	
1100	—	SAMPLE							Parker Approx.

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 130300l Site Port Jeff NY Well No. 1560 1W06 Date 5/18/10

Well Depth 221' Screen Length 20' Well Diameter 2" Casing Type PVC SS SCREEN.

Sampling Device QED MP50 Tubing type Poly Water Level 188'9 1/4" TOC

Measuring Point TOC. Other Infor WEATHER: STEADY RAIN

Sampling Personnel J SIMPSON

ORP/DO. KMNO$_3$

Time	pH	Temp	Cond.	~~Dis.O$_2$~~ ORP/DO	Turb.	[ ]Conc	DTW	Flow	Notes
0845	8.20	11.5	0.218	592/9.1	>400			190	
0915	8.79	11.7	.0241	572/7.1	211		188'9½"	190 ml/MN.	
0930	8.54	11.8	0.294	612/12.1	54			190.	MED. PURPLE COLOR
0945	8.79	11.6	0.411	650/11.9	47		"	"	NOTE: COLORIMETER
0955	7.47	11.5	0.601	704/8.2	49	2.5 mg/L		"	DILUTION FACTOR 100/1
1010	6.91	11.7	0.625	710/8.1	47	159.8 "			~~100ft~~ UNDILUTED.
1020	6.13	11.6	0.705	721/8.5	48	6.4			100/1 D.F.
						64.5			50/1 D.F.
1040	6.03	11.5	0.705	724/8.1	23			190.	
1100	6.03	11.6	0.709	725/8.1	27	128 mg/L		190.	3/1 D.F.
1115	6.03	11.5	0.707	726/8.1	25		189½"	"	
1200.	PUM SAMPLES.								

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 LAF Site Port Jeff, NY Well No. ISCO-MW-1W06 Date 5/19/10

Well Depth 221' Screen Length 20' Well Diameter 2" Casing Type PVC / SS Screen

Sampling Device GEO M/S0 Tubing type poly Water Level 188 9 1/4" TOC

Measuring Point TOC Other Infor WEATHER - SUNNY 70's

Sampling Personnel

ORP/DO KMnO4

Time	pH	Temp	Cond.	~~Dis.~~ O_2	Turb.	[ ]Conc	DTW	Flow	Notes
	8.79			703/				190	
	8.46	11.5	0.216	541/127	257				
									Note: Colorimetric Dil Fac.
						2.5 mg/L	"		1.00/1 500 ml/5 mL.
						159.8 "			Undiluted -
	6.13	11.6	0.625	711/8.9	45	6.4 "			D. Fac. 100/1.
	6.0					64.53			~~Undil.~~ D. Fac. 50/1
	6.03	11.5	0.705	724/8.1	23				~~30/90 DO~~
	6.03	11.5	0.709	726/8.1	27				
						128 mg/L			30/90.

Type of Samples Collected

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

APPENDIX E
POST PILOT TEST ANALYTICAL RESULTS
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

TestAmerica
South Burlington, VT

Extended Data Package

NY137390

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

May 28, 2010

Mr. Kevin Dyson
Panther Technologies ARRA
220 Route 70 East
Suite B
Medford, NJ 08055

Re: Laboratory Project No. 29000
Case: LASS; SDG: NY137390

Dear Mr. Dyson:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 21st, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/21/10 ETR No: 137390		
830640	ISCO MW01	05/17/10	WATER
830641	ISCO MW04	05/17/10	WATER
830642	ISCO IW05	05/20/10	WATER
830643	ISCO IW06	05/18/10	WATER
830644	ISCO IW16	05/17/10	WATER
830645	FB 100520	05/20/10	WATER
830646	TRIP BLANK	05/17/10	WATER
830647	VHBLK01	05/21/10	WATER

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. Sample volumes analyzed for Total Organic Carbon, Total Suspended Solids, Total Dissolved Solids, Chloride, Sulfate and Alkalinity were sent directly to TestAmerica laboratory in Savannah, Georgia. Those results are filed at the end of this case submittal in a section titled Subcontract Data.

ILM05.4Trace Metals (ICP/AES) and Mercury (CVAA)

Matrix spike and replicate analyses were not performed on the sample in this sample set. Laboratory control samples were prepared and analyzed in association with the samples, and there was an acceptable recovery of the spiked analyte(s) in each of those analyses. A serial dilution analysis was performed on the digestate of sample ISCO MW 04, and that analysis gave no indication of a matrix interference specific to the elements under evaluation. Trace levels specific to barium and a negative offset specific to silver were identified in the analysis of the

method blanks associated with the analytical work. The trace levels and negative offset were within the method prescribed tolerances.

SOM01.2 Volatile Organics (Trace Level)

The samples in this sample set were analyzed by the referenced method. A storage blank was prepared for volatile organics analysis, and stored in association with the storage of the sample. That storage blank, identified as VHBLK01, was carried through holding period and analyzed with the sample.

Sample ISCO MW 04, ISCO MW 01, ISCO IW-05, ISCO IW-06 and ISCO IW-16 were analyzed at a dilution, based on the results of preliminary screening. An additional, more concentrated analysis was performed on these samples in order to provide for a lower reporting limit for those target analytes that were not identified in the primary analysis. It should be noted that for sample ISCO IW-16 the dilution performed was insufficient to provide for Trichloroethylene within the range of calibrated instrument response. No additional sample volume was available to provide for additional dilution analysis.

Each of the analyses associated with the sample set exhibited an acceptable internal standard performance. There was an acceptable recovery of each deuterated monitoring compound (DMC) in the analysis of each method blank and instrument blank associated with the analytical work, and in the analysis of the storage blank associated with the sample set. The analysis of each sample in this sample set did meet the technical acceptance criteria specific to DMC recoveries; all DMC recoveries were within the control range in each analysis. Matrix spike and matrix spike duplicate analyses were not performed on samples in this sample set. The analysis of the method blank and storage blank associated with this sample set were free of analyte contamination. Present in the method blank and storage blank analyses was a non-target constituent that represented a compound that is related to the DMC formulation. The fact that the presence of this compound is not within the laboratory's control is at issue. The derived results for that compound have been qualified with an "X" qualifier to reflect the source of the contamination.

The responses for each target analyte met the relative standard deviation criterion in each initial calibration. The response for each target analyte met the percent difference criterion in each opening/continuing calibration check acquisition.

The specification in the SOM01.2 Statement of Work requires that mass 83 be used for the quantification of methylcyclohexane. The laboratory did identify a contribution to mass 83 from 1,2-dichloropropane-d_6, one of the deuterated monitoring compounds (DMCs). The laboratory did change the primary quantitation mass assignment to mass 55 for the quantification of methylcyclohexane.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports. An itemized listing of the manual integrations that were performed is provided in the Sample Preparation section for this fraction, referencing the specific acquisition file names and the compounds for which manual integration was applied. The following explanation codes were used in identifying the reason for the manual quantifications.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,



Sara Goff
Project Manager

Chain of Custody **2**

Sample Report Summary Metals **6**

QC Summary Metals **14**

Supportive Documentation Metals **45**

Sample Preparation Metals **124**

QC Summary SOM01.2 Volatiles Trace **129**

Supportive Documentation SOM01.2 Volatiles Trace **141**

Standards SOM01.2 Volatiles Trace **345**

Raw QC Data SOM01.2 Volatiles Trace **421**

Sample Preparation SOM01.2 Volatiles Trace **525**

Sample Handling **543**

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

*: Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric



Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to:
Company: PANTHER TECHNOLOGIES, INC.
Address: 220 ROUTE 70 EAST, STE B
MEDFORD NJ 08055
Contact: KEVIN DYSON
Phone: (609) 714-2420
Fax: (609) 714 2495
Contract/ Quote:

Invoice to:
Company:
Address: (SAME)
Contact:
Phone:
Fax:

Sampler's Name: JON SIMPSON
Sampler's Signature:
Proj. No.
Project Name

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 1.8
1 | 2 | 3 | 4 | 5
Custody Seal N / (Y)
Intact N / (Y)
Screened For Radioactivity ☐

NOTE; SAMPLE IW-05 IW-06 CONTAIN RESIDUAL POTASSIUM PERMANGANATE SAMPLE NEUTRALIZED W/ ASCORBIC ACID.

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	No/Type of Containers[2] VOA	VOA	250 ml	P/O 500	5 Mod. (VOC)	ILM 05.4 (METALS)	Lab/Sample ID (Lab Use Only)
GW	5/17	1600		X	ISCO MW 01	3			1	X	X	
W	5/17	0930			ISCO MW 04	3			1	X	X	
W	5/20	1100			ISCO IW 05	3			1	X	X	
W	5/18	1500			ISCO IW 06	3			1	X	X	
W	5/17	1630			ISCO IW 16	3			1	X	X	
W	5/20	1200			FB 100520	3			1	X	X	
W					TRIP BLANK	3				X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/20/10	1630		5/21/10	1634
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks: PLEASE NOTE: 7-DAY TURNAROUND REQUESTED.

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container 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

TAL-8234(1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to:
Company: Parthenon Technologies, INC
Address: 220 Route 70 East, Ste B
Medford, NJ 08055
Contact: Kevin Dyson
Phone: (609) 714-2420
Fax: (609) 714-2495
Contract/ Quote:

Invoice to:
Company: (SAME)
Address:
Contact:
Phone:
Fax:

Sampler's Name: Jon Simpson
Sampler's Signature:

Proj. No.: J303001
Project Name: Lawrence Aviation SPDS Site

ANALYSIS REQUESTED

NOTE: Samples IW05 & IW06 contain Residual Potassium Permanganate.

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Custody Seal N / Y
Intact N / Y
Screened For Radioactivity ☐

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	AG 1L	250 ml	PO 1L	TSS	TDS/CL/ALK/SULFATES	TOC	Lab/Sample ID (Lab Use Only)
W	5/17	1600		X	ISCO MW01		1	1	2	X	X	X	
W	5/17	0930			ISCO MW04		1	1	2				
W	5/20	1100			ISCO IW05		1	1	2				
W	5/18	1200			ISCO IW06		1	1	2				
W	5/17	~~1800~~ 1600			ISCO IW16		1	1	2				
		1030			FB-JS.								

680-57874

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jon Simpson	5/20/10	1430	Bethaney Daughtry	5/21/10	1017
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks: PLEASE NOTE: 7-DAY TURNAROUND REQUESTED.
Temp. 2.4/0.8

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container 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

TAL-8234(1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to:
Company: Panther Technologies, INC
Address: 220 Route 70 East, STE B
Medford, NJ 08055
Contact: Kevin Dyson
Phone: (609) 714-2420
Fax: (609) 714-2495
Contract/ Quote:

Invoice to:
Company: (SAME)
Address:
Contact:
Phone:
Fax:

Sampler's Name: Jon Simpson
Sampler's Signature:

Proj. No.: 1303001
Project Name: Lawrence Aviation SPDS Site

ANALYSIS REQUESTED

NOTE: Samples 1W05 & 1W06 contain Residual Potassium Permanganate.

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Custody Seal Intact: N / Y
Screened For Radioactivity: ☐

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 250	250 ml	P/O 1/2L	TSS	TDS	Cl	Alk	Sulfates	TOC	Lab/Sample ID (Lab Use Only)
W	5/17	1600		X	1SCD MW01		1	1	2	X	X				X	
W	5/17	0930			1SCD MW04		1	1	2							
W	5/20	1100			1SCD 1W05		1	1	2							
W	5/18	1200			1SCD 1W06		1	1	2							
W	5/17	~~1600~~ 1030	FB		1SCD 1W16 → Ship 500 poly w/ HNO3 to TA Burlington Attn: Sara Goff		1	1	2							
					~~FB~~											

5/21/10

680-57874

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jon Simpson	5/20/10	1430	Bethia Daughtry	5/21/10	1017
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			Chris Kalla	5/22/10	0930
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Brian Klaus	5/21/10	1700			

Remarks: PLEASE NOTE: 7-DAY TURNAROUND REQUESTED.
Temp. 2.4/0.8

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container 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

TAL-8234(1007)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No: LASS NRAS No.: SDG No: NY137390

SOW No.:

EPA Sample No.	Lab Sample ID
FB 100520	830645
ISCO IW05	830642
ISCO IW06	830643
ISCO IW16	830644
ISCO MW01	830640
ISCO MW04	830641

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	YES
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	YES
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name:

Date: Title:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB 100520

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Matrix (soil/water): WATER Lab Sample ID: 830645

Level (low/med): LOW Date Received: 05/21/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	10.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	4.4	J		P
7439-97-6	Mercury	0.20	U		CV
7440-23-5	Sodium	5000	U		P
7440-02-0	Nickel	40.0	U		P
7439-92-1	Lead	10.0	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	60.0	U		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO IW05

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Matrix (soil/water): WATER Lab Sample ID: 830642

Level (low/med): LOW Date Received: 05/21/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	760			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-70-2	Calcium	18700			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	53.0			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-95-4	Magnesium	5930			P
7439-96-5	Manganese	48800			P
7439-97-6	Mercury	0.20	U		CV
7440-23-5	Sodium	19400			P
7440-02-0	Nickel	2.4	J		P
7439-92-1	Lead	4.9	J		P
7440-09-7	Potassium	179000			P
7782-49-2	Selenium	6.0	J		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	7.3	J		P
7440-66-6	Zinc	14.0	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO IW06

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Matrix (soil/water): WATER Lab Sample ID: 830643

Level (low/med): LOW Date Received: 05/21/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	3.4	J		P
7429-90-5	Aluminum	6190			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	77.1	J		P
7440-41-7	Beryllium	1.2	J		P
7440-70-2	Calcium	32400			P
7440-43-9	Cadmium	1.6	J		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	146			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	58.1	J		P
7439-95-4	Magnesium	14100			P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.49			CV
7440-23-5	Sodium	43300			P
7440-02-0	Nickel	176			P
7439-92-1	Lead	21.6			P
7440-09-7	Potassium	76300			P
7782-49-2	Selenium	116			P
7440-28-0	Thallium	212			P
7440-62-2	Vanadium	6.1	J		P
7440-66-6	Zinc	42.7	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO IW16

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Matrix (soil/water): WATER Lab Sample ID: 830644

Level (low/med): LOW Date Received: 05/21/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	13900			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	80.5	J		P
7440-41-7	Beryllium	2.3	J		P
7440-70-2	Calcium	18500			P
7440-43-9	Cadmium	0.72	J		P
7440-48-4	Cobalt	1.0	J		P
7440-47-3	Chromium	21.4			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	168			P
7439-95-4	Magnesium	8690			P
7439-96-5	Manganese	619			P
7439-97-6	Mercury	0.20	U		CV
7440-23-5	Sodium	24500			P
7440-02-0	Nickel	239			P
7439-92-1	Lead	5.5	J		P
7440-09-7	Potassium	13100			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	38.6	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

Form IA-IN ILM05.4

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO MW01

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Matrix (soil/water): WATER Lab Sample ID: 830640

Level (low/med): LOW Date Received: 05/21/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	1040			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	42.2	J		P
7440-41-7	Beryllium	0.44	J		P
7440-70-2	Calcium	15500			P
7440-43-9	Cadmium	5.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	8.1	J		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	120			P
7439-95-4	Magnesium	7270			P
7439-96-5	Manganese	21.4			P
7439-97-6	Mercury	0.20	U		CV
7440-23-5	Sodium	27600			P
7440-02-0	Nickel	32.0	J		P
7439-92-1	Lead	4.1	J		P
7440-09-7	Potassium	12600			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	20.1	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

Form IA-IN ILM05.4

USEPA-CLP FORMS

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ISCO MW04

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Matrix (soil/water): WATER Lab Sample ID: 830641

Level (low/med): LOW Date Received: 05/21/2010

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	10.0	U		P
7429-90-5	Aluminum	14000			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	82.0	J		P
7440-41-7	Beryllium	2.3	J		P
7440-70-2	Calcium	18700			P
7440-43-9	Cadmium	0.78	J		P
7440-48-4	Cobalt	50.0	U		P
7440-47-3	Chromium	21.3			P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	174			P
7439-95-4	Magnesium	8850			P
7439-96-5	Manganese	597			P
7439-97-6	Mercury	0.20	U		CV
7440-23-5	Sodium	24800			P
7440-02-0	Nickel	241			P
7439-92-1	Lead	6.3	J		P
7440-09-7	Potassium	13000			P
7782-49-2	Selenium	35.0	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	39.1	J		P

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

Form IA-IN ILM05.4



QC Summary – Metals

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Initial Calibration Verification Source: Inorganic Ventures/

Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury	3.0	2.99	100	5.0	5.15	103	5.14	103	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Initial Calibration Verification Source: Inorganic Ventures/

Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	5.21	104			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Initial Calibration Verification Source: Inorganic Ventures/

Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Silver	500.0	510.60	102	100.0	100.80	101	100.50	100	P
Aluminum	26000.0	26690.00	103	30200.0	30680.00	102	30540.00	101	P
Antimony	250.0	259.70	104	300.0	303.90	101	302.50	101	P
Arsenic	250.0	270.30	108	100.0	104.40	104	101.70	102	P
Barium	500.0	497.70	100	200.0	201.70	101	200.80	100	P
Beryllium	500.0	522.20	104	100.0	102.60	103	102.80	103	P
Calcium	25000.0	26040.00	104	30200.0	30590.00	101	30570.00	101	P
Cadmium	500.0	501.40	100	100.0	100.80	101	100.20	100	P
Cobalt	500.0	496.40	99	200.0	194.70	97	194.70	97	P
Chromium	500.0	501.60	100	200.0	199.20	100	199.80	100	P
Copper	500.0	495.50	99	200.0	196.20	98	198.30	99	P
Iron	25500.0	26510.00	104	30200.0	30910.00	102	31040.00	103	P
Magnesium	25000.0	25500.00	102	30200.0	30810.00	102	30750.00	102	P
Manganese	500.0	491.70	98	200.0	195.20	98	195.60	98	P
Sodium	25000.0	25760.00	103	30200.0	30820.00	102	30890.00	102	P
Nickel	500.0	486.60	97	200.0	192.20	96	192.50	96	P
Lead	1000.0	1022.00	102	400.0	407.90	102	407.40	102	P
Potassium	25000.0	26420.00	106	30200.0	30630.00	101	30790.00	102	P
Selenium	250.0	265.30	106	100.0	105.00	105	99.93	100	P
Thallium	250.0	254.60	102	100.0	102.70	103	102.40	102	P
Vanadium	500.0	520.60	104	200.0	205.30	103	205.20	103	P
Zinc	500.0	516.20	103	200.0	203.30	102	203.00	102	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Initial Calibration Verification Source: Inorganic Ventures/

Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Silver				100.0	100.20	100			P
Aluminum				30200.0	30400.00	101			P
Antimony				300.0	301.50	100			P
Arsenic				100.0	100.90	101			P
Barium				200.0	200.00	100			P
Beryllium				100.0	101.60	102			P
Calcium				30200.0	30220.00	100			P
Cadmium				100.0	100.50	100			P
Cobalt				200.0	194.60	97			P
Chromium				200.0	198.10	99			P
Copper				200.0	195.20	98			P
Iron				30200.0	30510.00	101			P
Magnesium				30200.0	30630.00	101			P
Manganese				200.0	193.20	97			P
Sodium				30200.0	30610.00	101			P
Nickel				200.0	191.90	96			P
Lead				400.0	400.30	100			P
Potassium				30200.0	30480.00	101			P
Selenium				100.0	104.20	104			P
Thallium				100.0	101.90	102			P
Vanadium				200.0	202.60	101			P
Zinc				200.0	201.20	101			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Initial Calibration Verification Source: Inorganic Ventures/

Continuing Calibration Verification Source: SPEX/Fisher

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium	25000.0	26300.00	105	30200.0	30230.00	100	30230.00	100	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRQL CHECK STANDARD

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG No.: NY137390

CRQL Check Standard Source: SPEX

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Mercury	0.2	0.19 J	95	0.20	100

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP FORMS

2B-IN

CRQL CHECK STANDARD

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: NY137390

CRQL Check Standard Source: Inorganic Ventu

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Silver	10.0	7.74 J	77	7.49 J	75
Aluminum	200.0	217.70	109	227.60	114
Antimony	60.0	61.48	102	62.29	104
Arsenic	10.0	12.08	121	9.48 J	95
Barium	200.0	200.90	100	205.30	103
Beryllium	5.0	5.04	101	5.24	105
Calcium	5000.0	5466.00	109	5461.00	109
Cadmium	5.0	5.03	101	5.02	100
Cobalt	50.0	51.31	103	51.04	102
Chromium	10.0	10.43	104	9.90 J	99
Copper	25.0	23.82 J	95	24.26 J	97
Iron	100.0	120.20	120	125.50	126
Magnesium	5000.0	5403.00	108	5471.00	109
Manganese	15.0	15.49	103	15.79	105
Sodium	5000.0	5479.00	110	5492.00	110
Nickel	40.0	41.43	104	41.42	104
Lead	10.0	12.56	126	11.34	113
Potassium	5000.0	5658.00	113	5751.00	115
Selenium	35.0	40.52	116	38.34	110
Thallium	25.0	25.92	104	24.92 J	100
Vanadium	50.0	51.95	104	52.31	105
Zinc	60.0	63.42	106	63.38	106

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP FORMS

2B-IN

CRQL CHECK STANDARD

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: _____ SDG No.: NY137390

CRQL Check Standard Source: Inorganic Ventu

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Potassium	5000.0	5535.00	111	5562.00	111

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP FORMS

3-IN
BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	CV

3-IN
BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	10.000	U	10.000	U	10.000	U	10.000	U	-1.124	J	P
Aluminum	200.000	U	200.000	U	200.000	U	200.000	U	200.000	U	P
Antimony	60.000	U	60.000	U	60.000	U	60.000	U	60.000	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Barium	200.000	U	200.000	U	200.000	U	6.395	J	8.982	J	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U	50.000	U	P
Chromium	10.000	U	10.000	U	10.000	U	-0.480	J	10.000	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	25.000	U	P
Iron	17.810	J	100.000	U	100.000	U	100.000	U	100.000	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Manganese	0.191	J	0.142	J	15.000	U	15.000	U	15.000	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	40.000	U	P
Lead	10.000	U	10.000	U	10.000	U	10.000	U	10.000	U	P
Potassium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Selenium	35.000	U	35.000	U	35.000	U	35.000	U	35.000	U	P
Thallium	25.000	U	25.000	U	25.000	U	25.000	U	25.000	U	P
Vanadium	50.000	U	50.000	U	50.000	U	50.000	U	50.000	U	P
Zinc	60.000	U	60.000	U	-0.343	J	-0.368	J	60.000	U	P

3-IN
BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	5000.000	U	5000.000	U	5000.000	U					P

USEPA-CLP FORMS

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

ICP-AES Instrument ID: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Silver	0	200	-1.0		209	104	-0.45		209	104
Antimony	0	600	-3.1		610	102	-5.9		609	102
Aluminum	250000	250000	249000	100	259000	104	249000	100	258000	103
Arsenic	0	100	-0.21		108	108	0.80		104	104
Barium	0	500	6.8		491	98	1.9		491	98
Beryllium	0	500	-0.28		518	104	-0.27		516	103
Calcium	250000	250000	248000	99	257000	103	248000	99	257000	103
Cadmium	0	1000	0.81		998	100	0.72		996	100
Cobalt	0	500	1.1		477	95	1.0		476	95
Chromium	0	500	-0.26		491	98	-0.026		489	98
Copper	0	500	0.53		523	105	0.085		521	104
Iron	100000	100000	98800	99	103000	103	99200	99	103000	103
Magnesium	250000	250000	244000	98	253000	101	244000	98	253000	101
Manganese	0	500	-2.1		486	97	-2.0		484	97
Sodium	0	0	4.3		24.1		13.2		-35.9	
Nickel	0	1000	-3.9		928	93	-3.6		930	93
Lead	0	50	1.9		52.6	105	1.6		54.8	110
Potassium	0	0	-22.4		-8.4		24.9		-59.8	
Selenium	0	50	-1.8		51.1	102	0.43		50.7	101
Thallium	0	100	1.3		103	103	3.3		102	102
Vanadium	0	500	-3.8		509	102	-3.0		508	102
Zinc	0	1000	-1.5		1000	100	-1.9		999	100

USEPA-CLP FORMS

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

ICP-AES Instrument ID: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

	True		Initial Found				Final Found			
Analyte	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Potassium	0	0	-125		-141		-94.7		-131	

USEPA-CLP FORMS

7 - IN
LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No: SDG NO.: NY137390

Solid LCS Source:

Aqueous LCS Source: Inorganic Ventures

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Mercury	1.0	0.96	96						

7 - IN
LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No: SDG NO.: NY137390

Solid LCS Source:

Aqueous LCS Source: Inorganic Ventures

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Silver	500.0	495.40	99						
Aluminum	51000.0	47560.00	93						
Antimony	2000.0	1990.00	100						
Arsenic	1050.0	1078.00	103						
Barium	500.0	470.80	94						
Beryllium	500.0	503.50	101						
Calcium	50000.0	46980.00	94						
Cadmium	525.0	504.80	96						
Cobalt	500.0	472.20	94						
Chromium	500.0	481.00	96						
Copper	500.0	483.00	97						
Iron	50500.0	48030.00	95						
Magnesium	50000.0	46590.00	93						
Manganese	500.0	469.90	94						
Sodium	50000.0	46190.00	92						
Nickel	500.0	461.00	92						
Lead	1015.0	1015.00	100						
Potassium	50000.0	47470.00	95						
Selenium	525.0	529.50	101						
Thallium	550.0	541.60	98						
Vanadium	500.0	508.50	102						
Zinc	500.0	495.00	99						

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ISCO MW01L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	10.00	U	50.00	U			P
Aluminum	1036.00		1022.00		1		P
Antimony	60.00	U	300.00	U			P
Arsenic	10.00	U	50.00	U			P
Barium	42.21	J	77.75	J	84		P
Beryllium	0.44	J	25.00	U	100		P
Calcium	15530.00		15725.00	J	1		P
Cadmium	5.00	U	25.00	U			P
Cobalt	50.00	U	250.00	U			P
Chromium	8.12	J	6.35	J	22		P
Copper	25.00	U	125.00	U			P
Iron	120.10		140.25	J	17		P
Magnesium	7268.00		7525.00	J	4		P
Manganese	21.35		21.63	J	1		P
Sodium	27550.00		28295.00		3		P
Nickel	31.99	J	36.07	J	13		P
Lead	4.12	J	50.00	U	100		P
Potassium	12550.00		13160.00	J	5		P
Selenium	35.00	U	175.00	U			P
Thallium	25.00	U	125.00	U			P
Vanadium	50.00	U	250.00	U			P
Zinc	20.06	J	20.25	J	1		P

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: LASS NRAS No.: SDG No.:NY137390

Instrument Type: CV Instrument ID: LEEMAN HYDRA AA (2) Date: 04/28/2010

Preparation Method: CW1

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

Analyte	Wavelength /Mass	CRQL	MDL
Mercury	253.70	0.2	0.052

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: LASS NRAS No.: SDG No.: NY137390

Instrument Type: P Instrument ID: TJA ICAP 7 Date: 06/22/2009

Preparation Method: NP1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.22	200	56.0
Antimony	206.84	60	3.5
Arsenic	189.04	10	3.4
Barium	493.41	200	4.7
Beryllium	313.04	5	0.26
Cadmium	226.50	5	0.62
Calcium	317.93	5000	160
Chromium	267.72	10	0.44
Cobalt	228.62	50	0.85
Copper	324.75	25	2.2
Iron	271.44	100	14.0
Lead	220.35	10	3.4
Magnesium	279.08	5000	93.0
Manganese	257.61	15	0.14
Nickel	231.60	40	1.9
Potassium	766.49	5000	210
Selenium	296.03	35	5.6
Silver	328.07	10	1.7
Sodium	330.23	5000	92.0
Thallium	190.86	25	3.5
Vanadium	292.40	50	1.4
Zinc	206.20	60	0.28

USEPA - CLP FORMS

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: LASS NRAS No.: SDG No.: NY137390

Instrument Type: P Instrument ID: TJA ICAP 7 Date: 06/30/2009

Preparation Method: HW1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.22	200	50.8
Antimony	206.84	60	4.7
Arsenic	189.04	10	6.4
Barium	493.41	200	8.5
Beryllium	313.04	5	0.27
Cadmium	226.50	5	0.72
Calcium	317.93	5000	168
Chromium	267.72	10	0.92
Cobalt	228.62	50	0.90
Copper	324.75	25	3.3
Iron	271.44	100	9.2
Lead	220.35	10	3.4
Magnesium	279.08	5000	66.6
Manganese	257.61	15	0.29
Nickel	231.60	40	1.9
Potassium	766.49	5000	201
Selenium	296.03	35	4.3
Silver	328.07	10	1.0
Sodium	330.23	5000	73.8
Thallium	190.86	25	1.8
Vanadium	292.40	50	1.6
Zinc	206.20	60	0.51

USEPA-CLP FORMS

10A-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	-0.0010006	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0530902	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	-0.0000336	0.0000000	0.0000000	0.0002388	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001735
Molybdenum	202.030	0.0588018	0.0000000	0.0009164	0.0070064	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0043119	-0.0001740
Vanadium	292.402	0.0000000	0.0000000	0.0049409	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		As	B	Be	Cd	Co
Aluminum	308.215	0.0000079	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0033805	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0003363
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0160924	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0019468	0.0603189	0.0000000	0.0000000	-0.0017009
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0001510
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0009648	0.0000000	0.0019415
Vanadium	292.402	0.0000000	0.0000000	0.0002205	0.0000472	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0004684	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000284	0.0000000	0.0000000	0.0000282
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000179	0.0000000	0.0000000
Manganese	257.610	0.0001041	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0001893	0.0002224	0.0000000	0.0000000	0.0006230
Nickel	231.604	-0.0001218	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000744	0.0000000	0.0000310	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0128328	0.0000000	0.0041606	0.0003344
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0015511
Copper	324.754	-0.0036758	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000164	0.0000427	0.0000375	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0001152	0.0000000	0.0007821	0.0000000	0.0018096
Molybdenum	202.030	-0.0022171	-0.0021668	0.0005431	0.0008995	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0077086	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0005674	0.0000000	0.0000000	0.0019090	0.0005625
Vanadium	292.402	0.0000000	-0.0023318	0.0000000	0.0019249	-0.0079209
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

ICP-AES Instrument ID: TJA ICAP 7 Date: 02/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000083			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0001201			
Iron	271.441	0.0000241	0.0000599			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000300			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0184759	-0.0002216			
Nickel	231.604	0.0000000	0.0047199			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0009140	-0.0008084			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

11-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

ICP Instrument ID: TJA ICAP 7 Date: 04/01/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Aluminum	60.00	1000000.0	P
Antimony	20.00	10000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Beryllium	20.00	25000.0	P
Calcium	20.00	600000.0	P
Cadmium	60.00	5000.0	P
Cobalt	60.00	10000.0	P
Chromium	20.00	10000.0	P
Copper	20.00	20000.0	P
Iron	20.00	1000000.0	P
Magnesium	20.00	1000000.0	P
Manganese	20.00	50000.0	P
Sodium	20.00	100000.0	P
Nickel	20.00	50000.0	P
Lead	20.00	10000.0	P
Potassium	20.00	100000.0	P
Selenium	20.00	5000.0	P
Thallium	20.00	5000.0	P
Vanadium	20.00	50000.0	P
Zinc	20.00	10000.0	P

Comments:

USEPA-CLP FORMS

12-IN

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Preparation Method: CW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume(mL)
PBW052610A	05/26/2010		50
LCSW052610A	05/26/2010		50
ISCO MW01	05/26/2010		50
ISCO MW04	05/26/2010		50
ISCO IW05	05/26/2010		50
ISCO IW06	05/26/2010		50
ISCO IW16	05/26/2010		50
FB 100520	05/26/2010		50

Comments:

Form XII-IN ILM05.4

USEPA-CLP FORMS

12-IN

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG NO.: NY137390

Preparation Method: HW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume(mL)
PBW052210A	05/22/2010		100
LCSW052210A	05/22/2010		100
ISCO MW01	05/22/2010		100
ISCO MW04	05/22/2010		100
ISCO IW05	05/22/2010		100
ISCO IW06	05/22/2010		100
ISCO IW16	05/22/2010		100
FB 100520	05/22/2010		100

Comments:

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: NY137390

Instrument ID: TJA ICAP 7 Analysis Method: P

Start Date: 05/24/2010 End Date: 05/24/2010

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1456	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
STD7	1.0	1500	X						X				X		X				X			X				
STD8	1.0	1504		X	X									X						X			X			
STD4	1.0	1508				X	X	X		X	X	X				X		X			X			X	X	
ICV	1.0	1512	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.0	1516	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.0	1520	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.0	1524	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.0	1527	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	1531	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1535	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
PBW052210A	1.0	1539	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSW052210A	1.0	1543	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO MW01	1.0	1547	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO MW01L	5.0	1551	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO MW04	1.0	1555	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO IW05	1.0	1558	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X	X	X	
ISCO IW06	1.0	1602	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ISCO IW16	1.0	1606	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
FB 100520	1.0	1610	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	1614	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1618	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.0	1622	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.0	1626	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.0	1630	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.0	1633	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.0	1637	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: NY137390

Instrument ID: TJA ICAP 7 Analysis Method: P

Start Date: 05/24/2010 End Date: 05/24/2010

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1940																	X							
STD7	1.0	1944																	X							
STD8	1.0	1948																								
STD4	1.0	1952																								
ICV	1.0	1956																	X							
ICB	1.0	2000																	X							
CRI	1.0	2003																	X							
ICSA	1.0	2007																	X							
ICSAB	1.0	2011																	X							
CCV	1.0	2015																	X							
CCB	1.0	2019																	X							
ISCO IW05	5.0	2023																	X							
CRI	1.0	2027																	X							
ICSA	1.0	2031																	X							
ICSAB	1.0	2034																	X							
CCV	1.0	2038																	X							
CCB	1.0	2042																	X							

USEPA-CLP FORMS

13-IN

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: LASS NRAS No.: SDG No.: NY137390

Instrument ID: Leeman Hydra AA (2) Analysis Method: CV

Start Date: 05/27/2010 End Date: 05/27/2010

EPA Sample NO.	D/F	Time	Analytes																							
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1329															X									
S0.2	1.0	1331															X									
S0.5	1.0	1333															X									
S1	1.0	1335															X									
S5	1.0	1338															X									
S10	1.0	1340															X									
ICV	1.0	1342															X									
ICB	1.0	1344															X									
CRI	1.0	1346															X									
CCV	1.0	1348															X									
CCB	1.0	1351															X									
PBW052610A	1.0	1354															X									
LCSW052610A	1.0	1356															X									
ISCO MW01	1.0	1358															X									
ISCO MW04	1.0	1359															X									
ISCO IW05	1.0	1402															X									
ISCO IW06	1.0	1404															X									
ISCO IW16	1.0	1406															X									
FB 100520	1.0	1408															X									
ZZZZZZ	1.0	1410																								
CCV	1.0	1412															X									
CCB	1.0	1414															X									
ZZZZZZ	1.0	1416																								
ZZZZZZ	1.0	1419																								
ZZZZZZ	1.0	1421																								
ZZZZZZ	1.0	1424																								
ZZZZZZ	1.0	1426																								
ZZZZZZ	1.0	1429																								
ZZZZZZ	1.0	1431																								
ZZZZZZ	1.0	1433																								
CRI	1.0	1435															X									
CCV	1.0	1437															X									
CCB	1.0	1440															X									



Supportive Documentation – Metals

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW Date: 5/24/2010
Reviewed by: [signature] Date: 5/24/10
QC Review by: [signature] Date: 5-24-10

TJA ICAP 7
ICP Metals ILM05.3 4*

QC use: Cal#: Prep# Inst#:

Seq	Sample ID	Analysis Date	Time	DF	Matrix	Data File	Prep Batch	Analyst Comments
1	CalibStd-Blk	5/24/2010	14:56:40	1	WATER	052410-01.txt		TAL
2	STD7	5/24/2010	15:00:33	1	WATER	052410-01.txt		
3	STD8	5/24/2010	15:04:25	1	WATER	052410-01.txt		
4	STD4	5/24/2010	15:08:21	1	WATER	052410-01.txt		
5	ICV1	5/24/2010	15:12:20	1	WATER	052410-01.txt		
6	ICB1	5/24/2010	15:16:15	1	WATER	052410-01.txt		
7	CRI1	5/24/2010	15:20:10	1	WATER	052410-01.txt		
8	ICSA1	5/24/2010	15:24:02	1	WATER	052410-01.txt		
9	ICSAB1	5/24/2010	15:27:52	1	WATER	052410-01.txt		
10	CCV1	5/24/2010	15:31:40	1	WATER	052410-01.txt		
11	CCB1	5/24/2010	15:35:29	1	WATER	052410-01.txt		
12	PBW052210A	5/24/2010	15:39:24	1	WATER	052410-01.txt	PBICPW0522	
13	LCSW052210A	5/24/2010	15:43:19	1	WATER	052410-01.txt	PBICPW0522	
14	830640	5/24/2010	15:47:11	1	WATER	052410-01.txt	PBICPW0522	
15	830640LX5	5/24/2010	15:51:06	1	WATER	052410-01.txt		
16	830641	5/24/2010	15:55:01	1	WATER	052410-01.txt	PBICPW0522	
17	830642 ~~no~~ K	5/24/2010	15:58:54	1	WATER	052410-01.txt	PBICPW0522	
18	830643	5/24/2010	16:02:55	1	WATER	052410-01.txt	PBICPW0522	
19	830644	5/24/2010	16:06:49	1	WATER	052410-01.txt	PBICPW0522	
20	830645	5/24/2010	16:10:40	1	WATER	052410-01.txt	PBICPW0522	
21	CCV2	5/24/2010	16:14:35	1	WATER	052410-01.txt		
22	CCB2	5/24/2010	16:18:24	1	WATER	052410-01.txt		
23	CRI2	5/24/2010	16:22:18	1	WATER	052410-01.txt		
24	ICSA2	5/24/2010	16:26:12	1	WATER	052410-01.txt		
25	ICSAB2	5/24/2010	16:30:03	1	WATER	052410-01.txt		
26	CCV3	5/24/2010	16:33:51	1	WATER	052410-01.txt		
27	CCB3	5/24/2010	16:37:41	1	WATER	052410-01.txt		

* SLP
5-24-10

Analytical Review Report
Data File: 052410-01.txt

Date Printed: 5/24/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 **Start Time:** 14:56:4
Analysis End Date: 5/24/2010 **End Time:** 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		2.222	0.000	0.000	0.10	2.2				
ICV1	1	PASS	510.600	513.300	507.800	0.75	510.60	102.0	500.0	90	110
ICB1	1	PASS	-0.514	-0.952	-0.077	120.30	-0.514				+/-10.00
CRI1	1	PASS	7.742	8.017	7.467	5.02	7.74	77.0	10.0	70	130
ICSA1	1	FAIL	-1.036	-1.235	-0.838	27.07	-1.0				0
ICSAB1	1	PASS	209.100	208.900	209.300	0.14	209	104.0	200	80	120
CCV1	1	PASS	100.800	101.000	100.500	0.34	100.80	101.0	100.0	90	110
CCB1	1	PASS	-0.417	-0.391	-0.443	8.97	-0.417				+/-10.00
CCV2	1	PASS	100.500	100.300	100.700	0.28	100.50	100.0	100.0	90	110
CCB2	1	PASS	-1.109	-1.781	-0.436	85.79	-1.109				+/-10.00
CRI2	1	PASS	7.488	7.611	7.365	2.32	7.49	75.0	10.0	70	130
ICSA2	1	FAIL	-0.454	0.149	-1.057	187.90	-0.45				0
ICSAB2	1	PASS	208.800	209.300	208.400	0.33	209	104.0	200	80	120
CCV3	1	PASS	100.200	100.900	99.610	0.89	100.20	100.0	100.0	90	110
CCB3	1	PASS	-0.687	-0.603	-0.771	17.24	-0.687				+/-10.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.004	0.000	0.000	70.76	-0.004				
PBW052210A	1	PASS	-1.124	-0.745	-1.503	47.69	-1.124				+/-10.00
LCSW052210A	1	PASS	495.400	495.600	495.300	0.04	495.40	99.0	500.0	80.0	120.0
830640	1	PASS	-0.043	-1.095	1.008	3425.00	-0.043				
830640LX5	1	PASS	0.165	-0.029	0.358	166.30	0.17				
830641	1	PASS	-0.672	0.179	-1.523	179.20	-0.67				
830642	1	PASS	-8.682	-8.292	-9.071	6.35	-8.7				
830643	1	PASS	3.372	0.000	0.000	3.75	3.4				
830644	1	PASS	-0.817	-0.913	-0.722	16.56	-0.82				
830645	1	PASS	-0.588	-0.531	-0.644	13.56	-0.59				

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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD7	1		2.720	0.000	0.000	0.40	2.7				
ICV1	1	PASS	26690.000	26740.000	26640.000	0.27	26690.00	103.0	26000.0	90	110
ICB1	1	PASS	15.750	22.140	9.354	57.42	15.750				+/-200.00
CRI1	1	PASS	217.700	192.100	243.200	16.61	217.70	109.0	200.0	70	130
ICSA1	1	PASS	249000.000	249000.000	249100.000	0.04	249000	100.0	250000	80	120
ICSAB1	1	PASS	258800.000	261100.000	256500.000	1.24	259000	104.0	250000	80	120
CCV1	1	PASS	30680.000	30720.000	30630.000	0.21	30680.00	102.0	30200.0	90	110
CCB1	1	PASS	-31.730	-48.360	-15.100	74.13	-31.730				+/-200.00
CCV2	1	PASS	30540.000	30490.000	30580.000	0.23	30540.00	101.0	30200.0	90	110
CCB2	1	PASS	-14.480	-8.874	-20.080	54.75	-14.480				+/-200.00
CRI2	1	PASS	227.600	221.100	234.100	4.02	227.60	114.0	200.0	70	130
ICSA2	1	PASS	249200.000	248800.000	249500.000	0.21	249000	100.0	250000	80	120
ICSAB2	1	PASS	258000.000	257700.000	258400.000	0.21	258000	103.0	250000	80	120
CCV3	1	PASS	30400.000	30460.000	30350.000	0.25	30400.00	101.0	30200.0	90	110
CCB3	1	PASS	33.970	61.330	6.612	113.90	33.970				+/-200.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.001	0.000	0.000	73.52	-0.001				
PBW052210A	1	PASS	4.172	16.140	-7.799	405.80	4.172				+/-200.00
LCSW052210A	1	PASS	47560.000	47500.000	47610.000	0.16	47560.00	93.0	51000.0	80.0	120.0
830640	1	PASS	1036.000	997.200	1074.000	5.26	1040				
830640LX5	1	PASS	204.400	206.800	202.100	1.62	204				
830641	1	PASS	14000.000	13960.000	14040.000	0.43	14000				
830642	1	PASS	759.900	761.400	758.400	0.27	760				
830643	1	PASS	6191.000	0.000	0.000	0.01	6190				
830644	1	PASS	13870.000	13910.000	13840.000	0.34	13900				
830645	1	PASS	-9.443	-33.050	14.170	353.60	-9.4				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD8	1		0.065	0.000	0.000	0.58	0.065				
ICV1	1	PASS	270.300	269.900	270.700	0.20	270.30	108.0	250.0	90	110
ICB1	1	PASS	-0.491	-0.944	-0.039	130.20	-0.491				+/-10.00
CRI1	1	PASS	12.080	12.620	11.530	6.34	12.08	121.0	10.0	70	130
ICSA1	1	FAIL	-0.210	-0.531	0.111	216.40	-0.21				0
ICSAB1	1	PASS	107.600	108.100	107.100	0.66	108	108.0	100	80	120
CCV1	1	PASS	104.400	103.000	105.800	1.85	104.40	104.0	100.0	90	110
CCB1	1	PASS	-1.137	-2.182	-0.093	129.90	-1.137				+/-10.00
CCV2	1	PASS	101.700	101.000	102.400	0.97	101.70	102.0	100.0	90	110
CCB2	1	PASS	-0.894	-0.268	-1.520	99.02	-0.894				+/-10.00
CRI2	1	PASS	9.482	8.596	10.370	13.22	9.48	95.0	10.0	70	130
ICSA2	1	FAIL	0.798	1.829	-0.233	182.60	0.80				0
ICSAB2	1	PASS	104.500	102.700	106.300	2.38	104	104.0	100	80	120
CCV3	1	PASS	100.900	100.100	101.700	1.12	100.90	101.0	100.0	90	110
CCB3	1	PASS	-3.112	-3.707	-2.517	27.05	-3.112				+/-10.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.001	0.000	0.000	18.84	0.001				
PBW052210A	1	PASS	-2.072	-2.966	-1.177	61.05	-2.072				+/-10.00
LCSW052210A	1	PASS	1078.000	1076.000	1081.000	0.30	1078.00	103.0	1050.0	80.0	120.0
830640	1	PASS	0.546	0.768	0.323	57.64	0.55				
830640LX5	1	PASS	-2.278	-0.785	-3.772	92.71	-2.3				
830641	1	PASS	0.078	0.948	-0.793	1586.00	0.078				
830642	1	PASS	1.244	1.250	1.239	0.62	1.2				
830643	1	PASS	1.800	0.000	0.000	208.20	1.8				
830644	1	PASS	-1.887	0.099	-3.873	148.80	-1.9				
830645	1	PASS	-0.311	0.340	-0.963	296.10	-0.31				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		0.097	0.000	0.000	0.50	0.097				
ICV1	1	PASS	497.700	499.700	495.600	0.59	497.70	100.0	500.0	90	110
ICB1	1	PASS	2.344	5.520	-0.832	191.60	2.344				+/-200.00
CRI1	1	PASS	200.900	200.900	201.000	0.04	200.90	100.0	200.0	70	130
ICSA1	1	FAIL	6.804	6.566	7.041	4.93	6.8				0
ICSAB1	1	PASS	490.800	492.600	489.100	0.50	491	98.0	500	80	120
CCV1	1	PASS	201.700	197.000	206.500	3.34	201.70	101.0	200.0	90	110
CCB1	1	PASS	3.779	5.404	2.155	60.78	3.779				+/-200.00
CCV2	1	PASS	200.800	206.800	194.900	4.17	200.80	100.0	200.0	90	110
CCB2	1	PASS	0.587	-1.316	2.490	458.50	0.587				+/-200.00
CRI2	1	PASS	205.300	203.200	207.400	1.46	205.30	103.0	200.0	70	130
ICSA2	1	FAIL	1.910	3.506	0.315	118.10	1.9				0
ICSAB2	1	PASS	491.400	490.700	492.200	0.22	491	98.0	500	80	120
CCV3	1	PASS	200.000	198.700	201.300	0.92	200.00	100.0	200.0	90	110
CCB3	1	PASS	6.395	10.190	2.598	83.98	6.395				+/-200.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.001	0.000	0.000	147.10	-0.001				
PBW052210A	1	PASS	8.982	12.440	5.524	54.45	8.982				+/-200.00
LCSW052210A	1	PASS	470.800	470.800	470.700	0.01	470.80	94.0	500.0	80.0	120.0
830640	1	PASS	42.210	37.850	46.580	14.63	42.2				
830640LX5	1	PASS	15.550	16.750	14.350	10.92	15.6				
830641	1	PASS	82.010	80.350	83.680	2.87	82.0				
830642	1	PASS	7.899	6.938	8.861	17.21	7.9				
830643	1	PASS	77.140	0.000	0.000	3.25	77.1				
830644	1	PASS	80.520	83.780	77.270	5.71	80.5				
830645	1	PASS	2.778	3.352	2.203	29.26	2.8				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		2.469	0.000	0.000	0.01	2.5				
ICV1	1	PASS	522.200	523.100	521.300	0.25	522.20	104.0	500.0	90	110
ICB1	1	PASS	-0.081	-0.064	-0.098	29.80	-0.081				+/-5.00
CRI1	1	PASS	5.040	5.211	4.869	4.79	5.04	101.0	5.0	70	130
ICSA1	1	FAIL	-0.277	-0.426	-0.128	75.95	-0.28				0
ICSAB1	1	PASS	517.800	522.000	513.600	1.14	518	104.0	500	80	120
CCV1	1	PASS	102.600	102.900	102.300	0.41	102.60	103.0	100.0	90	110
CCB1	1	PASS	-0.033	-0.206	0.140	735.60	-0.033				+/-5.00
CCV2	1	PASS	102.800	103.300	102.300	0.73	102.80	103.0	100.0	90	110
CCB2	1	PASS	-0.099	-0.374	0.175	391.40	-0.099				+/-5.00
CRI2	1	PASS	5.242	5.534	4.950	7.88	5.24	105.0	5.0	70	130
ICSA2	1	FAIL	-0.270	-0.306	-0.234	18.70	-0.27				0
ICSAB2	1	PASS	515.800	515.100	516.600	0.21	516	103.0	500	80	120
CCV3	1	PASS	101.600	101.700	101.500	0.13	101.60	102.0	100.0	90	110
CCB3	1	PASS	-0.149	-0.217	-0.080	65.38	-0.149				+/-5.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.001	0.000	0.000	236.20	-0.001				
PBW052210A	1	PASS	-0.120	-0.224	-0.017	121.80	-0.121				+/-5.00
LCSW052210A	1	PASS	503.500	503.300	503.800	0.07	503.50	101.0	500.0	80.0	120.0
830640	1	PASS	0.441	0.375	0.506	21.12	0.44				
830640LX5	1	PASS	-0.001	-0.052	0.051	11250.00	-0.001				
830641	1	PASS	2.264	2.024	2.505	15.01	2.3				
830642	1	PASS	-0.058	-0.173	0.056	276.80	-0.058				
830643	1	PASS	1.165	0.000	0.000	25.54	1.2				
830644	1	PASS	2.311	2.441	2.180	7.98	2.3				
830645	1	PASS	-0.040	-0.153	0.073	401.80	-0.040				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 **Start Time:** 14:56:4
Analysis End Date: 5/24/2010 **End Time:** 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD7	1		0.800	0.000	0.000	0.57	0.80				
ICV1	1	PASS	26040.000	26080.000	25990.000	0.26	26040.00	104.0	25000.0	90	110
ICB1	1	PASS	44.880	32.750	57.010	38.23	44.880				+/-5000.00
CRI1	1	PASS	5466.000	5427.000	5505.000	1.00	5466.00	109.0	5000.0	70	130
ICSA1	1	PASS	247500.000	247600.000	247500.000	0.02	248000	99.0	250000	80	120
ICSAB1	1	PASS	257000.000	258900.000	255000.000	1.06	257000	103.0	250000	80	120
CCV1	1	PASS	30590.000	30660.000	30510.000	0.33	30590.00	101.0	30200.0	90	110
CCB1	1	PASS	-16.180	36.100	-68.450	457.00	-16.180				+/-5000.00
CCV2	1	PASS	30570.000	30640.000	30500.000	0.33	30570.00	101.0	30200.0	90	110
CCB2	1	PASS	21.800	1.169	42.430	133.80	21.800				+/-5000.00
CRI2	1	PASS	5461.000	5461.000	5461.000	0.01	5461.00	109.0	5000.0	70	130
ICSA2	1	PASS	247800.000	247500.000	248100.000	0.19	248000	99.0	250000	80	120
ICSAB2	1	PASS	256600.000	256200.000	257000.000	0.23	257000	103.0	250000	80	120
CCV3	1	PASS	30220.000	30290.000	30140.000	0.33	30220.00	100.0	30200.0	90	110
CCB3	1	PASS	-76.370	-26.530	-126.200	92.30	-76.370				+/-5000.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.000	0.000	0.000	887.60	0.000				
PBW052210A	1	PASS	26.660	-4.088	57.400	163.10	26.660				+/-5000.00
LCSW052210A	1	PASS	46980.000	47010.000	46940.000	0.10	46980.00	94.0	50000.0	80.0	120.0
830640	1	PASS	15530.000	15440.000	15620.000	0.80	15500				
830640LX5	1	PASS	3145.000	3172.000	3118.000	1.22	3140				
830641	1	PASS	18740.000	18630.000	18860.000	0.88	18700				
830642	1	PASS	18660.000	18620.000	18700.000	0.28	18700				
830643	1	PASS	32430.000	32500.000	32350.000	0.32	32400				
830644	1	PASS	18460.000	18470.000	18450.000	0.07	18500				
830645	1	PASS	18.420	-94.930	131.800	870.40	18.4				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		0.946	0.000	0.000	0.09	0.95				
ICV1	1	PASS	501.400	500.800	501.900	0.16	501.40	100.0	500.0	90	110
ICB1	1	PASS	0.093	-0.078	0.264	260.30	0.093				+/-5.00
CRI1	1	PASS	5.025	5.253	4.796	6.43	5.03	101.0	5.0	70	130
ICSA1	1	FAIL	0.808	0.708	0.908	17.51	0.81				0
ICSAB1	1	PASS	997.800	998.600	997.000	0.11	998	100.0	1000	80	120
CCV1	1	PASS	100.800	100.500	101.100	0.45	100.80	101.0	100.0	90	110
CCB1	1	PASS	-0.047	-0.221	0.126	516.30	-0.048				+/-5.00
CCV2	1	PASS	100.200	99.690	100.600	0.65	100.20	100.0	100.0	90	110
CCB2	1	PASS	-0.148	-0.043	-0.254	100.80	-0.148				+/-5.00
CRI2	1	PASS	5.024	5.033	5.016	0.24	5.02	100.0	5.0	70	130
ICSA2	1	FAIL	0.723	0.730	0.716	1.34	0.72				0
ICSAB2	1	PASS	996.100	994.200	998.000	0.27	996	100.0	1000	80	120
CCV3	1	PASS	100.500	100.100	100.900	0.57	100.50	100.0	100.0	90	110
CCB3	1	PASS	0.002	-0.031	0.035	2317.00	0.002				+/-5.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.003	0.000	0.000	17.68	-0.003				
PBW052210A	1	PASS	-0.088	-0.099	-0.077	17.75	-0.088				+/-5.00
LCSW052210A	1	PASS	504.800	503.700	506.000	0.32	504.80	96.0	525.0	80.0	120.0
830640	1	PASS	0.393	0.317	0.470	27.39	0.39				
830640LX5	1	PASS	-0.149	-0.033	-0.266	110.60	-0.15				
830641	1	PASS	0.783	0.983	0.583	36.12	0.78				
830642	1	PASS	0.299	0.287	0.312	5.96	0.30				
830643	1	PASS	1.560	0.000	0.000	4.95	1.6				
830644	1	PASS	0.722	0.467	0.977	49.98	0.72				
830645	1	PASS	-0.342	-0.286	-0.399	23.21	-0.34				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		1.027	0.000	0.000	0.02	1.0				
ICV1	1	PASS	496.400	495.200	497.700	0.36	496.40	99.0	500.0	90	110
ICB1	1	PASS	-0.044	-0.207	0.120	530.00	-0.044				+/-50.00
CRI1	1	PASS	51.310	51.670	50.950	0.99	51.31	103.0	50.0	70	130
ICSA1	1	FAIL	1.135	1.391	0.878	31.98	1.1				0
ICSAB1	1	PASS	476.900	478.300	475.600	0.40	477	95.0	500	80	120
CCV1	1	PASS	194.700	194.400	195.000	0.23	194.70	97.0	200.0	90	110
CCB1	1	PASS	0.012	0.148	-0.123	1541.00	0.012				+/-50.00
CCV2	1	PASS	194.700	194.800	194.500	0.09	194.70	97.0	200.0	90	110
CCB2	1	PASS	-0.258	-0.145	-0.371	62.11	-0.258				+/-50.00
CRI2	1	PASS	51.040	50.950	51.130	0.25	51.04	102.0	50.0	70	130
ICSA2	1	FAIL	1.042	0.902	1.182	19.03	I.0				0
ICSAB2	1	PASS	476.300	475.800	476.800	0.14	476	95.0	500	80	120
CCV3	1	PASS	194.600	194.000	195.100	0.41	194.60	97.0	200.0	90	110
CCB3	1	PASS	-0.034	0.111	-0.178	612.30	-0.034				+/-50.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.004	0.000	0.000	2.02	-0.004				
PBW052210A	1	PASS	-0.183	-0.137	-0.229	35.80	-0.183				+/-50.00
LCSW052210A	1	PASS	472.200	471.700	472.600	0.12	472.20	94.0	500.0	80.0	120.0
830640	1	PASS	0.405	0.125	0.684	97.61	0.41				
830640LX5	1	PASS	-0.198	-0.029	-0.368	121.00	-0.20				
830641	1	PASS	0.684	0.580	0.789	21.57	0.68				
830642	1	PASS	-0.264	-0.550	0.024	154.10	-0.26				
830643	1	PASS	-0.171	0.000	0.000	17.01	-0.17				
830644	1	PASS	1.028	0.881	1.176	20.26	1.0				
830645	1	PASS	0.001	0.133	-0.130	14920.00	0.001				

Analytical Review Report
Data File: 052410-01.txt

Date Printed: 5/24/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 **Start Time:** 14:56:4
Analysis End Date: 5/24/2010 **End Time:** 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		1.480	0.000	0.000	0.06	1.5				
ICV1	1	PASS	501.600	500.600	502.600	0.28	501.60	100.0	500.0	90	110
ICB1	1	PASS	-0.293	-0.270	-0.316	11.17	-0.293				+/-10.00
CRI1	1	PASS	10.430	10.440	10.420	0.11	10.43	104.0	10.0	70	130
ICSA1	1	FAIL	-0.264	-0.214	-0.313	26.47	-0.26				0
ICSAB1	1	PASS	491.300	490.800	491.800	0.14	491	98.0	500	80	120
CCV1	1	PASS	199.200	199.300	199.200	0.02	199.20	100.0	200.0	90	110
CCB1	1	PASS	-0.144	-0.238	-0.049	92.87	-0.144				+/-10.00
CCV2	1	PASS	199.800	199.900	199.800	0.05	199.80	100.0	200.0	90	110
CCB2	1	PASS	-0.082	0.007	-0.172	154.40	-0.082				+/-10.00
CRI2	1	PASS	9.897	10.060	9.734	2.33	9.90	99.0	10.0	70	130
ICSA2	1	FAIL	-0.026	-0.094	0.042	372.00	-0.026				0
ICSAB2	1	PASS	489.300	489.000	489.500	0.08	489	98.0	500	80	120
CCV3	1	PASS	198.100	197.800	198.500	0.26	198.10	99.0	200.0	90	110
CCB3	1	PASS	-0.480	-0.271	-0.689	61.49	-0.480				+/-10.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.000	0.000	0.000	6.12	-0.000				
PBW052210A	1	PASS	-0.347	-0.319	-0.375	11.36	-0.347				+/-10.00
LCSW052210A	1	PASS	481.000	480.800	481.200	0.06	481.00	96.0	500.0	80.0	120.0
830640	1	PASS	8.122	8.222	8.021	1.75	8.1				
830640LX5	1	PASS	1.270	1.291	1.249	2.30	1.3				
830641	1	PASS	21.260	21.220	21.310	0.32	21.3				
830642	1	PASS	53.030	53.080	52.990	0.13	53.0				
830643	1	PASS	145.500	0.000	0.000	0.10	146				
830644	1	PASS	21.440	21.450	21.440	0.04	21.4				
830645	1	PASS	-0.401	-0.548	-0.255	51.72	-0.40				

Analytical Review Report
Data File: 052410-01.txt

Date Printed: 5/24/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		6.603	0.000	0.000	0.05	6.6				
ICV1	1	PASS	495.500	497.300	493.700	0.52	495.50	99.0	500.0	90	110
ICB1	1	PASS	-0.222	-0.644	0.200	269.10	-0.222				+/-25.00
CRI1	1	PASS	23.820	23.780	23.850	0.20	23.82	95.0	25.0	70	130
ICSA1	1	FAIL	0.529	0.364	0.695	44.15	0.53				0
ICSAB1	1	PASS	522.700	524.300	521.200	0.41	523	105.0	500	80	120
CCV1	1	PASS	196.200	195.700	196.600	0.31	196.20	98.0	200.0	90	110
CCB1	1	PASS	-0.805	-0.307	-1.303	87.51	-0.805				+/-25.00
CCV2	1	PASS	198.300	197.700	199.000	0.47	198.30	99.0	200.0	90	110
CCB2	1	PASS	-0.614	-0.841	-0.386	52.37	-0.614				+/-25.00
CRI2	1	PASS	24.260	24.050	24.480	1.28	24.26	97.0	25.0	70	130
ICSA2	1	FAIL	0.085	-0.004	0.174	147.50	0.085				0
ICSAB2	1	PASS	520.600	520.200	521.000	0.11	521	104.0	500	80	120
CCV3	1	PASS	195.200	194.500	195.900	0.54	195.20	98.0	200.0	90	110
CCB3	1	PASS	-0.375	0.092	-0.841	176.20	-0.375				+/-25.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.112	0.000	0.000	0.35	0.11				
PBW052210A	1	PASS	-0.493	0.328	-1.314	235.50	-0.493				+/-25.00
LCSW052210A	1	PASS	483.000	481.500	484.500	0.43	483.00	97.0	500.0	80.0	120.0
830640	1	PASS	2.219	2.526	1.912	19.58	2.2				
830640LX5	1	PASS	-0.481	-0.617	-0.346	39.90	-0.48				
830641	1	PASS	1.834	1.758	1.911	5.90	1.8				
830642	1	PASS	0.856	0.756	0.956	16.58	0.86				
830643	1	PASS	0.046	0.000	0.000	909.80	0.046				
830644	1	PASS	1.642	1.082	2.203	48.28	1.6				
830645	1	PASS	0.269	0.765	-0.227	260.80	0.27				

Analytical Review Report
Data File: 052410-01.txt

Date Printed: 5/24/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD7	1		8.767	0.000	0.000	0.13	8.8				
ICV1	1	PASS	26510.000	26630.000	26380.000	0.67	26510.00	104.0	25500.0	90	110
ICB1	1	PASS	17.810	8.994	26.620	69.99	17.810				+/-100.00
CRI1	1	PASS	120.200	120.700	119.600	0.67	120.20	120.0	100.0	70	130
ICSA1	1	PASS	98760.000	98910.000	98600.000	0.22	98800	99.0	100000	80	120
ICSAB1	1	PASS	102800.000	102900.000	102700.000	0.15	103000	103.0	100000	80	120
CCV1	1	PASS	30910.000	30890.000	30920.000	0.07	30910.00	102.0	30200.0	90	110
CCB1	1	PASS	1.216	0.214	2.218	116.50	1.216				+/-100.00
CCV2	1	PASS	31040.000	31090.000	31000.000	0.19	31040.00	103.0	30200.0	90	110
CCB2	1	PASS	12.220	18.530	5.912	73.00	12.220				+/-100.00
CRI2	1	PASS	125.500	129.600	121.400	4.66	125.50	126.0	100.0	70	130
ICSA2	1	PASS	99190.000	99120.000	99260.000	0.10	99200	99.0	100000	80	120
ICSAB2	1	PASS	102800.000	103000.000	102500.000	0.36	103000	103.0	100000	80	120
CCV3	1	PASS	30510.000	30530.000	30490.000	0.09	30510.00	101.0	30200.0	90	110
CCB3	1	PASS	9.950	17.560	2.342	108.10	9.950				+/-100.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.010	0.000	0.000	27.06	-0.010				
PBW052210A	1	PASS	4.927	-3.473	13.330	241.10	4.927				+/-100.00
LCSW052210A	1	PASS	48030.000	48020.000	48040.000	0.03	48030.00	95.0	50500.0	80.0	120.0
830640	1	PASS	120.100	106.400	133.900	16.17	120				
830640LX5	1	PASS	28.050	21.540	34.560	32.83	28.1				
830641	1	PASS	173.900	181.400	166.400	6.09	174				
830642	1	PASS	2.753	13.970	-8.460	576.00	2.8				
830643	1	PASS	58.120	0.000	0.000	4.82	58.1				
830644	1	PASS	167.700	161.000	174.500	5.68	168				
830645	1	PASS	8.468	7.104	9.833	22.79	8.5				

Analytical Review Report
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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 **Start Time:** 14:56:4
Analysis End Date: 5/24/2010 **End Time:** 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD7	1		1.924	0.000	0.000	0.00	1.9				
ICV1	1	PASS	26420.000	26490.000	26350.000	0.39	26420.00	106.0	25000.0	90	110
ICB1	1	PASS	7.382	3.048	11.720	83.04	7.382				+/-5000.00
CRI1	1	PASS	5658.000	5627.000	5689.000	0.77	5658.00	113.0	5000.0	70	130
ICSA1	1	FAIL	-22.390	79.590	-124.400	644.10	-22.4				0
ICSAB1	1	FAIL	-8.427	-113.100	96.250	1757.00	-8.4				0
CCV1	1	PASS	30630.000	30670.000	30580.000	0.22	30630.00	101.0	30200.0	90	110
CCB1	1	PASS	18.520	7.443	29.590	84.58	18.520				+/-5000.00
CCV2	1	PASS	30790.000	30690.000	30890.000	0.46	30790.00	102.0	30200.0	90	110
CCB2	1	PASS	82.330	160.800	3.838	134.80	82.330				+/-5000.00
CRI2	1	PASS	5751.000	5869.000	5633.000	2.89	5751.00	115.0	5000.0	70	130
ICSA2	1	FAIL	24.940	-9.372	59.250	194.60	24.9				0
ICSAB2	1	FAIL	-59.790	-159.000	39.450	234.70	-59.8				0
CCV3	1	PASS	30480.000	30530.000	30420.000	0.26	30480.00	101.0	30200.0	90	110
CCB3	1	PASS	59.240	130.800	-12.320	170.80	59.240				+/-5000.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.033	0.000	0.000	15.48	-0.033				
PBW052210A	1	PASS	-41.200	-55.730	-26.680	49.85	-41.200				+/-5000.00
LCSW052210A	1	PASS	47470.000	47510.000	47430.000	0.11	47470.00	95.0	50000.0	80.0	120.0
830640	1	PASS	12550.000	12530.000	12570.000	0.24	12600				
830640LX5	1	PASS	2632.000	2526.000	2738.000	5.70	2630				
830641	1	PASS	13010.000	12950.000	13070.000	0.68	13000				
830642	1	FAIL	174500.000	175200.000	173700.000	0.62	174500				
830643	1	PASS	76320.000	76380.000	76270.000	0.10	76300				
830644	1	PASS	13060.000	13110.000	13000.000	0.58	13100				
830645	1	PASS	66.830	4.088	129.600	132.80	66.8				

Analytical Review Report
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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD7	1		0.923	0.000	0.000	0.26	0.92				
ICV1	1	PASS	25500.000	25580.000	25420.000	0.43	25500.00	102.0	25000.0	90	110
ICB1	1	PASS	46.960	-15.760	109.700	188.90	46.960				+/-5000.00
CRI1	1	PASS	5403.000	5372.000	5434.000	0.80	5403.00	108.0	5000.0	70	130
ICSA1	1	PASS	244000.000	244200.000	243900.000	0.09	244000	98.0	250000	80	120
ICSAB1	1	PASS	252800.000	255100.000	250600.000	1.26	253000	101.0	250000	80	120
CCV1	1	PASS	30810.000	30760.000	30850.000	0.21	30810.00	102.0	30200.0	90	110
CCB1	1	PASS	27.880	58.270	-2.522	154.20	27.880				+/-5000.00
CCV2	1	PASS	30750.000	30750.000	30740.000	0.02	30750.00	102.0	30200.0	90	110
CCB2	1	PASS	16.430	8.924	23.930	64.61	16.430				+/-5000.00
CRI2	1	PASS	5471.000	5476.000	5465.000	0.14	5471.00	109.0	5000.0	70	130
ICSA2	1	PASS	244000.000	243900.000	244100.000	0.04	244000	98.0	250000	80	120
ICSAB2	1	PASS	252600.000	252200.000	253100.000	0.26	253000	101.0	250000	80	120
CCV3	1	PASS	30630.000	30750.000	30500.000	0.57	30630.00	101.0	30200.0	90	110
CCB3	1	PASS	8.693	36.030	-18.650	444.80	8.693				+/-5000.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.000	0.000	0.000	3809.00	0.000				
PBW052210A	1	PASS	12.750	35.410	-9.920	251.50	12.750				+/-5000.00
LCSW052210A	1	PASS	46590.000	46420.000	46760.000	0.51	46590.00	93.0	50000.0	80.0	120.0
830640	1	PASS	7268.000	7258.000	7278.000	0.19	7270				
830640LX5	1	PASS	1505.000	1525.000	1486.000	1.84	1500				
830641	1	PASS	8850.000	8800.000	8900.000	0.80	8850				
830642	1	PASS	5930.000	5950.000	5910.000	0.48	5930				
830643	1	PASS	14100.000	0.000	0.000	0.00	14100				
830644	1	PASS	8691.000	8648.000	8734.000	0.71	8690				
830645	1	PASS	20.540	-11.960	53.040	223.80	20.5				

Analytical Review Report
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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		24.180	0.000	0.000	0.09	24.2				
ICV1	1	PASS	491.700	493.800	489.600	0.61	491.70	98.0	500.0	90	110
ICB1	1	PASS	0.191	0.183	0.199	6.13	0.191				+/-15.00
CRI1	1	PASS	15.490	15.470	15.520	0.21	15.49	103.0	15.0	70	130
ICSA1	1	FAIL	-2.071	-2.033	-2.109	2.60	-2.1				0
ICSAB1	1	PASS	485.500	486.200	484.800	0.22	486	97.0	500	80	120
CCV1	1	PASS	195.200	195.300	195.100	0.05	195.20	98.0	200.0	90	110
CCB1	1	PASS	0.142	0.161	0.123	19.06	0.142				+/-15.00
CCV2	1	PASS	195.600	196.000	195.200	0.31	195.60	98.0	200.0	90	110
CCB2	1	PASS	0.129	0.286	-0.028	172.20	0.129				+/-15.00
CRI2	1	PASS	15.790	15.820	15.760	0.25	15.79	105.0	15.0	70	130
ICSA2	1	FAIL	-1.995	-1.957	-2.032	2.66	-2.0				0
ICSAB2	1	PASS	484.200	485.200	483.200	0.28	484	97.0	500	80	120
CCV3	1	PASS	193.200	193.300	193.000	0.10	193.20	97.0	200.0	90	110
CCB3	1	PASS	0.076	0.106	0.046	56.27	0.076				+/-15.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.001	0.000	0.000	266.50	0.001				
PBW052210A	1	PASS	0.051	0.140	-0.038	246.60	0.051				+/-15.00
LCSW052210A	1	PASS	469.900	469.400	470.300	0.13	469.90	94.0	500.0	80.0	120.0
830640	1	PASS	21.350	21.250	21.450	0.64	21.4				
830640LX5	1	PASS	4.325	4.343	4.306	0.60	4.3				
830641	1	PASS	597.300	597.300	597.300	0.00	597				
830642	1	PASS	48840.000	48880.000	48810.000	0.10	48800				
830643	1	PASS	0.000	0.000	0.000	0.00	0.000				
830644	1	PASS	619.200	619.400	618.900	0.06	619				
830645	1	PASS	4.390	4.719	4.061	10.59	4.4				

Analytical Review Report
Data File: 052410-01.txt

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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD7	1		6.142	0.000	0.000	0.37	6.1				
ICV1	1	PASS	25760.000	25820.000	25700.000	0.31	25760.00	103.0	25000.0	90	110
ICB1	1	PASS	0.771	-0.080	1.621	156.10	0.771				+/-5000.00
CRI1	1	PASS	5479.000	5488.000	5469.000	0.24	5479.00	110.0	5000.0	70	130
ICSA1	1	FAIL	4.348	34.500	-25.810	980.90	4.3				0
ICSAB1	1	FAIL	24.090	-2.657	50.840	157.00	24.1				0
CCV1	1	PASS	30820.000	30780.000	30850.000	0.16	30820.00	102.0	30200.0	90	110
CCB1	1	PASS	-13.670	5.809	-33.150	201.50	-13.670				+/-5000.00
CCV2	1	PASS	30890.000	30910.000	30880.000	0.08	30890.00	102.0	30200.0	90	110
CCB2	1	PASS	32.660	13.540	51.780	82.78	32.660				+/-5000.00
CRI2	1	PASS	5492.000	5469.000	5515.000	0.59	5492.00	110.0	5000.0	70	130
ICSA2	1	FAIL	13.210	7.669	18.760	59.35	13.2				0
ICSAB2	1	FAIL	-35.940	-33.770	-38.100	8.52	-35.9				0
CCV3	1	PASS	30610.000	30740.000	30490.000	0.59	30610.00	101.0	30200.0	90	110
CCB3	1	PASS	22.750	26.350	19.160	22.35	22.750				+/-5000.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.039	0.000	0.000	12.51	-0.039				
PBW052210A	1	PASS	-33.530	-36.530	-30.520	12.68	-33.530				+/-5000.00
LCSW052210A	1	PASS	46190.000	46180.000	46190.000	0.01	46190.00	92.0	50000.0	80.0	120.0
830640	1	PASS	27550.000	27560.000	27550.000	0.04	27600				
830640LX5	1	PASS	5659.000	5670.000	5648.000	0.27	5660				
830641	1	PASS	24830.000	24760.000	24900.000	0.38	24800				
830642	1	PASS	19390.000	19390.000	19390.000	0.00	19400				
830643	1	PASS	43290.000	43310.000	43270.000	0.06	43300				
830644	1	PASS	24540.000	24550.000	24530.000	0.08	24500				
830645	1	PASS	17.750	-0.252	35.750	143.40	17.8				

Analytical Review Report
Data File: 052410-01.txt

Date Printed: 5/24/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		0.598	0.000	0.000	0.06	0.60				
ICV1	1	PASS	486.600	486.200	486.900	0.09	486.60	97.0	500.0	90	110
ICB1	1	PASS	0.773	0.198	1.348	105.30	0.773				+/-40.00
CRI1	1	PASS	41.430	41.780	41.080	1.21	41.43	104.0	40.0	70	130
ICSA1	1	FAIL	-3.932	-3.730	-4.133	7.24	-3.9				0
ICSAB1	1	PASS	928.500	929.100	927.900	0.10	928	93.0	1000	80	120
CCV1	1	PASS	192.200	191.700	192.700	0.35	192.20	96.0	200.0	90	110
CCB1	1	PASS	0.111	0.027	0.194	106.50	0.111				+/-40.00
CCV2	1	PASS	192.500	191.800	193.200	0.52	192.50	96.0	200.0	90	110
CCB2	1	PASS	0.246	0.069	0.422	101.50	0.246				+/-40.00
CRI2	1	PASS	41.420	41.490	41.340	0.25	41.42	104.0	40.0	70	130
ICSA2	1	FAIL	-3.571	-3.741	-3.401	6.73	-3.6				0
ICSAB2	1	PASS	930.100	928.400	931.700	0.25	930	93.0	1000	80	120
CCV3	1	PASS	191.900	191.400	192.400	0.34	191.90	96.0	200.0	90	110
CCB3	1	PASS	0.923	1.319	0.528	60.62	0.923				+/-40.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.004	0.000	0.000	9.58	0.004				
PBW052210A	1	PASS	0.572	1.047	0.096	117.60	0.572				+/-40.00
LCSW052210A	1	PASS	461.000	459.900	462.000	0.33	461.00	92.0	500.0	80.0	120.0
830640	1	PASS	31.990	31.980	32.000	0.05	32.0				
830640LX5	1	PASS	7.214	7.836	6.592	12.20	7.2				
830641	1	PASS	241.400	241.000	241.700	0.21	241				
830642	1	PASS	2.381	1.439	3.322	55.92	2.4				
830643	1	PASS	176.100	0.000	0.000	0.27	176				
830644	1	PASS	239.100	239.700	238.500	0.34	239				
830645	1	PASS	0.509	0.616	0.401	29.89	0.51				

Analytical Review Report
Data File: 052410-01.txt

Date Printed: 5/24/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD8	1		3.059	0.000	0.000	0.53	3.1				
ICV1	1	PASS	1022.000	1025.000	1018.000	0.47	1022.00	102.0	1000.0	90	110
ICB1	1	PASS	1.667	2.332	1.002	56.44	1.667				+/-10.00
CRI1	1	PASS	12.560	12.880	12.230	3.64	12.56	126.0	10.0	50	150
ICSA1	1	FAIL	1.883	0.658	3.108	92.04	1.9				0
ICSAB1	1	PASS	52.570	52.000	53.130	1.52	52.6	105.0	50	80	120
CCV1	1	PASS	407.900	405.100	410.800	0.98	407.90	102.0	400.0	90	110
CCB1	1	PASS	-0.724	0.569	-2.018	252.50	-0.724				+/-10.00
CCV2	1	PASS	407.400	406.000	408.800	0.49	407.40	102.0	400.0	90	110
CCB2	1	PASS	2.053	2.846	1.260	54.63	2.053				+/-10.00
CRI2	1	PASS	11.340	9.591	13.090	21.82	11.34	113.0	10.0	50	150
ICSA2	1	FAIL	1.637	2.061	1.214	36.56	1.6				0
ICSAB2	1	PASS	54.820	53.700	55.950	2.90	54.8	110.0	50	80	120
CCV3	1	PASS	400.300	399.200	401.400	0.39	400.30	100.0	400.0	90	110
CCB3	1	PASS	0.994	-0.746	2.735	247.60	0.994				+/-10.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.014	0.000	0.000	8.36	-0.014				
PBW052210A	1	PASS	-0.758	-0.508	-1.008	46.72	-0.758				+/-10.00
LCSW052210A	1	PASS	1015.000	1012.000	1018.000	0.44	1015.00	100.0	1015.0	80.0	120.0
830640	1	PASS	4.119	5.420	2.819	44.66	4.1				
830640LX5	1	PASS	3.313	1.729	4.897	67.63	3.3				
830641	1	PASS	6.349	4.986	7.711	30.35	6.3				
830642	1	PASS	4.922	4.718	5.126	5.87	4.9				
830643	1	PASS	21.600	0.000	0.000	11.04	21.6				
830644	1	PASS	5.507	6.165	4.849	16.90	5.5				
830645	1	PASS	0.745	1.137	0.353	74.46	0.74				

Analytical Review Report
Data File: 052410-01.txt

Date Printed: 5/24/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD8	1		0.077	0.000	0.000	0.34	0.077				
ICV1	1	PASS	259.700	258.600	260.700	0.56	259.70	104.0	250.0	90	110
ICB1	1	PASS	0.009	-1.817	1.834	30090.00	0.009				+/-60.00
CRI1	1	PASS	61.480	62.440	60.520	2.21	61.48	102.0	60.0	50	150
ICSA1	1	FAIL	-3.122	-3.798	-2.445	30.64	-3.1				0
ICSAB1	1	PASS	610.100	609.900	610.300	0.04	610	102.0	600	80	120
CCV1	1	PASS	303.900	305.800	302.000	0.89	303.90	101.0	300.0	90	110
CCB1	1	PASS	-0.862	-2.847	1.123	325.80	-0.862				+/-60.00
CCV2	1	PASS	302.500	303.600	301.500	0.47	302.50	101.0	300.0	90	110
CCB2	1	PASS	1.701	1.587	1.816	9.52	1.701				+/-60.00
CRI2	1	PASS	62.290	61.710	62.860	1.31	62.29	104.0	60.0	50	150
ICSA2	1	FAIL	-5.928	-6.144	-5.711	5.17	-5.9				0
ICSAB2	1	PASS	608.900	607.900	609.900	0.23	609	102.0	600	80	120
CCV3	1	PASS	301.500	301.200	301.800	0.13	301.50	100.0	300.0	90	110
CCB3	1	PASS	1.587	0.112	3.063	131.50	1.587				+/-60.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.000	0.000	0.000	577.10	0.000				
PBW052210A	1	PASS	0.646	0.319	0.974	71.58	0.646				+/-60.00
LCSW052210A	1	PASS	1990.000	1984.000	1997.000	0.47	1990.00	100.0	2000.0	80.0	120.0
830640	1	PASS	3.102	3.670	2.535	25.87	3.1				
830640LX5	1	PASS	0.641	0.173	1.110	103.30	0.64				
830641	1	PASS	1.852	2.561	1.143	54.16	1.9				
830642	1	PASS	-4.098	-4.147	-4.050	1.67	-4.1				
830643	1	PASS	-3.138	0.000	0.000	115.00	-3.1				
830644	1	PASS	-1.265	-2.645	0.114	154.10	-1.3				
830645	1	PASS	0.080	0.726	-0.565	1138.00	0.080				

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TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD8	1		0.050	0.000	0.000	0.73	0.050				
ICV1	1	PASS	265.300	265.000	265.600	0.17	265.30	106.0	250.0	90	110
ICB1	1	PASS	0.560	3.071	-1.950	633.60	0.560				+/-35.00
CRI1	1	PASS	40.520	38.620	42.420	6.63	40.52	116.0	35.0	70	130
ICSA1	1	FAIL	-1.770	-0.934	-2.606	66.77	-1.8				0
ICSAB1	1	PASS	51.050	50.750	51.350	0.83	51.1	102.0	50	80	120
CCV1	1	PASS	105.000	106.100	103.900	1.47	105.00	105.0	100.0	90	110
CCB1	1	PASS	4.832	2.238	7.425	75.92	4.832				+/-35.00
CCV2	1	PASS	99.930	98.770	101.100	1.64	99.93	100.0	100.0	90	110
CCB2	1	PASS	1.339	-0.883	3.560	234.70	1.339				+/-35.00
CRI2	1	PASS	38.340	39.000	37.680	2.44	38.34	110.0	35.0	70	130
ICSA2	1	FAIL	0.430	-1.756	2.616	718.80	0.43				0
ICSAB2	1	PASS	50.680	52.400	48.950	4.82	50.7	101.0	50	80	120
CCV3	1	PASS	104.200	104.500	103.900	0.39	104.20	104.0	100.0	90	110
CCB3	1	PASS	0.586	1.641	-0.468	254.40	0.586				+/-35.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.002	0.000	0.000	2.05	0.002				
PBW052210A	1	PASS	2.623	2.520	2.725	5.55	2.623				+/-35.00
LCSW052210A	1	PASS	529.500	529.100	529.900	0.12	529.50	101.0	525.0	80.0	120.0
830640	1	PASS	1.841	1.247	2.435	45.60	1.8				
830640LX5	1	PASS	2.560	3.437	1.682	48.47	2.6				
830641	1	PASS	3.847	0.532	7.161	121.90	3.8				
830642	1	PASS	5.964	6.696	5.232	17.36	6.0				
830643	1	PASS	115.800	0.000	0.000	1.42	116				
830644	1	PASS	2.672	0.446	4.899	117.80	2.7				
830645	1	PASS	1.204	0.464	1.943	86.92	1.2				

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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD8	1		0.974	0.000	0.000	0.97	0.97				
ICV1	1	PASS	254.600	254.500	254.600	0.01	254.60	102.0	250.0	90	110
ICB1	1	PASS	0.271	0.094	0.448	92.52	0.271				+/-25.00
CRI1	1	PASS	25.920	25.230	26.610	3.76	25.92	104.0	25.0	50	150
ICSA1	1	FAIL	1.312	0.900	1.723	44.35	1.3				0
ICSAB1	1	PASS	103.000	104.500	101.500	2.10	103	103.0	100	80	120
CCV1	1	PASS	102.700	102.200	103.300	0.76	102.70	103.0	100.0	90	110
CCB1	1	PASS	-1.069	-0.437	-1.701	83.63	-1.069				+/-25.00
CCV2	1	PASS	102.400	102.200	102.500	0.18	102.40	102.0	100.0	90	110
CCB2	1	PASS	-1.142	-0.174	-2.109	119.90	-1.142				+/-25.00
CRI2	1	PASS	24.920	24.920	24.910	0.05	24.92	100.0	25.0	50	150
ICSA2	1	FAIL	3.306	4.745	1.868	61.52	3.3				0
ICSAB2	1	PASS	102.400	101.300	103.400	1.50	102	102.0	100	80	120
CCV3	1	PASS	101.900	102.300	101.600	0.49	101.90	102.0	100.0	90	110
CCB3	1	PASS	0.574	1.779	-0.631	297.00	0.574				+/-25.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.005	0.000	0.000	24.45	-0.005				
PBW052210A	1	PASS	-0.326	-0.191	-0.461	58.52	-0.326				+/-25.00
LCSW052210A	1	PASS	541.600	541.800	541.400	0.05	541.60	98.0	550.0	80.0	120.0
830640	1	PASS	1.076	0.382	1.770	91.15	1.1				
830640LX5	1	PASS	1.318	0.906	1.730	44.19	1.3				
830641	1	PASS	1.175	-0.974	3.323	258.60	1.2				
830642	1	PASS	-7.017	-8.684	-5.351	33.59	-7.0				
830643	1	PASS	211.900	0.000	0.000	0.66	212				
830644	1	PASS	0.394	-0.831	1.619	440.10	0.39				
830645	1	PASS	-0.408	-1.199	0.383	274.00	-0.41				

Analytical Review Report
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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 **Start Time:** 14:56:4
Analysis End Date: 5/24/2010 **End Time:** 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		3.214	0.000	0.000	0.19	3.2				
ICV1	1	PASS	520.600	521.900	519.200	0.37	520.60	104.0	500.0	90	110
ICB1	1	PASS	-0.606	-1.006	-0.205	93.58	-0.606				+/-50.00
CRI1	1	PASS	51.950	51.830	52.070	0.33	51.95	104.0	50.0	70	130
ICSA1	1	FAIL	-3.775	-4.250	-3.300	17.79	-3.8				0
ICSAB1	1	PASS	509.400	509.500	509.400	0.01	509	102.0	500	80	120
CCV1	1	PASS	205.300	204.800	205.700	0.32	205.30	103.0	200.0	90	110
CCB1	1	PASS	-0.554	-1.089	-0.020	136.50	-0.554				+/-50.00
CCV2	1	PASS	205.200	206.000	204.400	0.53	205.20	103.0	200.0	90	110
CCB2	1	PASS	-0.176	0.123	-0.475	240.10	-0.176				+/-50.00
CRI2	1	PASS	52.310	52.060	52.550	0.67	52.31	105.0	50.0	70	130
ICSA2	1	FAIL	-3.032	-4.016	-2.048	45.90	-3.0				0
ICSAB2	1	PASS	508.100	509.500	506.800	0.37	508	102.0	500	80	120
CCV3	1	PASS	202.600	202.900	202.200	0.24	202.60	101.0	200.0	90	110
CCB3	1	PASS	-0.771	-0.754	-0.786	2.95	-0.771				+/-50.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	-0.008	0.000	0.000	16.18	-0.008				
PBW052210A	1	PASS	-0.503	-0.526	-0.480	6.43	-0.503				+/-50.00
LCSW052210A	1	PASS	508.500	509.300	507.700	0.22	508.50	102.0	500.0	80.0	120.0
830640	1	PASS	0.665	0.185	1.145	102.00	0.67				
830640LX5	1	PASS	-0.181	-0.236	-0.125	43.37	-0.18				
830641	1	PASS	-0.088	0.631	-0.806	1160.00	-0.088				
830642	1	PASS	7.284	7.816	6.752	10.33	7.3				
830643	1	PASS	6.146	0.000	0.000	21.00	6.1				
830644	1	PASS	-0.537	-0.826	-0.247	76.39	-0.54				
830645	1	PASS	-0.260	-0.357	-0.163	52.53	-0.26				

Analytical Review Report
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Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 14:56:4
Analysis End Date: 5/24/2010 End Time: 16:37:4

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
STD4	1		3.482	0.000	0.000	0.25	3.5				
ICV1	1	PASS	516.200	515.200	517.200	0.28	516.20	103.0	500.0	90	110
ICB1	1	PASS	-0.105	-0.229	0.020	168.10	-0.105				+/-60.00
CRI1	1	PASS	63.420	63.590	63.250	0.38	63.42	106.0	60.0	70	130
ICSA1	1	FAIL	-1.488	-1.454	-1.521	3.19	-1.5				0
ICSAB1	1	PASS	1001.000	1001.000	1001.000	0.01	1000	100.0	1000	80	120
CCV1	1	PASS	203.300	203.000	203.500	0.18	203.30	102.0	200.0	90	110
CCB1	1	PASS	-0.226	-0.213	-0.239	8.34	-0.226				+/-60.00
CCV2	1	PASS	203.000	202.600	203.300	0.24	203.00	102.0	200.0	90	110
CCB2	1	PASS	-0.343	-0.334	-0.352	3.69	-0.343				+/-60.00
CRI2	1	PASS	63.380	63.370	63.390	0.02	63.38	106.0	60.0	70	130
ICSA2	1	FAIL	-1.857	-1.907	-1.808	3.77	-1.9				0
ICSAB2	1	PASS	998.800	997.500	1000.000	0.17	999	100.0	1000	80	120
CCV3	1	PASS	201.200	200.700	201.600	0.30	201.20	101.0	200.0	90	110
CCB3	1	PASS	-0.368	-0.411	-0.324	16.71	-0.368				+/-60.00
Quality Control and Field Samples											
CalibStd-Blk	1	PASS	0.004	0.000	0.000	9.77	0.004				
PBW052210A	1	PASS	-0.208	-0.314	-0.102	71.82	-0.208				+/-60.00
LCSW052210A	1	PASS	495.000	493.500	496.400	0.42	495.00	99.0	500.0	80.0	120.0
830640	1	PASS	20.060	20.080	20.050	0.08	20.1				
830640LX5	1	PASS	4.049	3.944	4.154	3.66	4.0				
830641	1	PASS	39.130	39.070	39.180	0.20	39.1				
830642	1	PASS	13.990	13.940	14.050	0.59	14.0				
830643	1	PASS	42.710	0.000	0.000	0.44	42.7				
830644	1	PASS	38.570	38.590	38.560	0.05	38.6				
830645	1	PASS	0.354	0.268	0.441	34.54	0.35				

Sample Name: CalibStd-Blk Acquired: 5/24/2010 14:56:40 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0040	-.0012	.0007	.0002	-.0006
Stddev	.0028	.0009	.0001	.0001	.0008
%RSD	70.76	73.52	18.84	59.83	147.1
#1	-.0059	-.0006	.0008	.0001	.0000
#2	-.0020	-.0018	.0006	.0003	-.0011

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 (447)	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0005	.0001	-.0030	-.0036	-.0002
Stddev	.0011	.0008	.0005	.0001	.0000
%RSD	236.2	887.6	17.68	2.022	6.119
#1	-.0012	.0006	-.0034	-.0037	-.0001
#2	.0003	-.0005	-.0027	-.0036	-.0002

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1123	-.0098	-.0328	.0000	.0011
Stddev	.0004	.0027	.0051	.0006	.0028
%RSD	.3468	27.06	15.48	3809.	266.5
#1	.1120	-.0079	-.0363	.0004	-.0009
#2	.1126	-.0117	-.0292	-.0004	.0030

Sample Name: CalibStd-Blk Acquired: 5/24/2010 14:56:40 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	-.0390	.0038	-.0004	-.0137
Stddev	.0003	.0049	.0004	.0002	.0011
%RSD	83.45	12.51	9.582	54.70	8.360
#1	.0006	-.0355	.0036	-.0005	-.0145
#2	.0002	-.0424	.0041	-.0002	-.0129

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0017	.1243	.0002	.0130
Stddev	.0003	.0000	.0093	.0001	.0047
%RSD	577.1	2.053	7.513	88.58	36.36
#1	-.0002	.0016	.1309	.0003	.0097
#2	.0003	.0017	.1177	.0001	.0164

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0107	-.0049	-.0078	.0036
Stddev	.0008	.0012	.0013	.0004
%RSD	7.467	24.45	16.18	9.766
#1	-.0101	-.0057	-.0069	.0034
#2	-.0112	-.0040	-.0087	.0039

Analyst: JM

Sample Name: CalibStd-Blk Acquired: 5/24/2010 14:56:40 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	410.12	3911.4	3959.1	4467.4
Stddev	.54	6.6	1.3	20.4
%RSD	.13143	.16901	.03254	.45680
#1	410.50	3916.1	3960.0	4453.0
#2	409.74	3906.7	3958.1	4481.8

Sample Name: STD7 Acquired: 5/24/2010 15:00:33 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al-HL	Ca-HL	Fe-LL2	K-LL	Mg-LL
Line	396.152 { 85}	318.128 {106}	271.441 {124}2	766.490 { 44}	279.079 {121}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.720	.7999	8.767	1.924	.9225
Stddev	.011	.0046	.012	.000	.0024
%RSD	.4031	.5737	.1340	.0001	.2640
#1	2.727	.8031	8.775	1.924	.9242
#2	2.712	.7966	8.759	1.924	.9207

Elem	Na-LL
Line	589.592 { 57}
IS Ref	(Y_HWRD)
Units	Cts/S
Avg	6.142
Stddev	.023
%RSD	.3685
#1	6.158
#2	6.126

Int. Std.	Y_HWAX	Y_HWRD
Line	224.306 {150}	371.030 { 91}
Units	Cts/S	Cts/S
Avg	3821.3	4431.1
Stddev	4.5	17.7
%RSD	.11855	.39986
#1	3818.1	4418.6
#2	3824.5	4443.6

Sample Name: STD8 Acquired: 5/24/2010 15:04:25 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As-LL	Pb-LL	Sb-LL	Se-LL	Sn1899-2
Line	189.042 {479}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}2
IS Ref	(Y_-LWAX)	{In2306}	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0652	3.059	.0769	.0496	.1811
Stddev	.0004	.016	.0003	.0004	.0009
%RSD	.5789	.5261	.3382	.7303	.5081
#1	.0650	3.048	.0767	.0499	.1805
#2	.0655	3.071	.0771	.0494	.1818

Elem	Tl-LL
Line	190.856 {477}
IS Ref	(In2306)
Units	Cts/S
Avg	.9741
Stddev	.0094
%RSD	.9678
#1	.9675
#2	.9808

Int. Std.	In2306	Y_-LWAX
Line	230.606 {446}	224.306 {450}
Units	Cts/S	Cts/S
Avg	411.41	4004.2
Stddev	1.59	1.8
%RSD	.38736	.04548
#1	412.54	4005.5
#2	410.28	4002.9

Sample Name: STD4 Acquired: 5/24/2010 15:08:21 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	B_-LL	Ba-LL	Be-LL	Cd-HL
Line	328.068 {103}2	208.959 {461}	233.527 {144}	313.042 {108}	228.802 {447}
IS Ref	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.222	.3687	.0971	2.469	.9460
Stddev	.002	.0008	.0005	.000	.0009
%RSD	.0988	.2302	.4989	.0121	.0930
#1	2.223	.3681	.0975	2.469	.9453
#2	2.220	.3693	.0968	2.470	.9466

Elem	Co-LL	Cr-LL	Cu-LL	Mn-LL	Mo-LL
Line	228.616 {447}	205.552 {464}	324.754 {104}2	257.610 {131}2	202.030 {467}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.027	1.480	6.603	24.18	.8512
Stddev	.000	.001	.004	.02	.0033
%RSD	.0233	.0595	.0541	.0934	.3906
#1	1.027	1.480	6.600	24.16	.8488
#2	1.027	1.481	6.605	24.19	.8535

Elem	Ni-LL	P_-HL	Si-LL	Sr-LL	Ti-LL
Line	231.604 {445}	178.284 {489}	288.158 {117}	407.771 { 83}	334.904 {101}2
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5977	.0841	4.432	70.39	5.192
Stddev	.0004	.0002	.004	.70	.008
%RSD	.0602	.2886	.0832	.9878	.1527
#1	.5975	.0839	4.435	70.89	5.198
#2	.5980	.0842	4.430	69.90	5.186

Sample Name: STD4 Acquired: 5/24/2010 15:08:21 Type: Cal
Method: 6010B(v54) Mode: IR 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	Cts/S	Cts/S
Avg	3.214	3.482
Stddev	.006	.009
%RSD	.1860	.2536
#1	3.209	3.476
#2	3.218	3.488

Int. Std.	Y_HWAX	Y_-LWAX	Y_HWRD
Line	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3916.2	3987.3	4502.6
Stddev	1.4	.7	8.1
%RSD	.03541	.01701	.18013
#1	3917.2	3987.7	4508.4
#2	3915.2	3986.8	4496.9

Sample Name: ICV Acquired: 5/24/2010 15:12:20 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	510.6	26690.	270.3	516.4	497.7
Stddev	3.9	72.	.5	3.1	2.9
%RSD	.7544	.2699	.2001	.6001	.5902
#1	513.3	26740.	269.9	514.2	499.7
#2	507.8	26640.	270.7	518.6	495.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	522.2	26040.	501.4	496.4	501.6
Stddev	1.3	67.	.8	1.8	1.4
%RSD	.2455	.2586	.1567	.3593	.2773
#1	523.1	26080.	500.8	495.2	500.6
#2	521.3	25990.	501.9	497.7	502.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICV Acquired: 5/24/2010 15:12:20 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	495.5	26510.	26420.	25500.	491.7
Stddev	2.6	178.	102.	110.	3.0
%RSD	.5195	.6704	.3862	.4310	.6093
#1	497.3	26630.	26490.	25580.	493.8
#2	493.7	26380.	26350.	25420.	489.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	529.5	25760.	486.6	531.1	1022.
Stddev	2.1	79.	.4	.8	5.
%RSD	.3909	.3069	.0919	.1600	.4693
#1	528.0	25820.	486.2	531.7	1025.
#2	531.0	25700.	486.9	530.5	1018.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICV Acquired: 5/24/2010 15:12:20 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	259.7	265.3	269.5	253.7	509.2
Stddev	1.5	.4	3.5	.6	1.7
%RSD	.5618	.1690	1.293	.2232	.3355
#1	258.6	265.0	272.0	253.3	510.4
#2	260.7	265.6	267.1	254.1	508.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	518.4	254.6	520.6	516.2
Stddev	3.8	.0	1.9	1.4
%RSD	.7253	.0093	.3715	.2752
#1	521.0	254.5	521.9	515.2
#2	515.7	254.6	519.2	517.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICV Acquired: 5/24/2010 15:12:20 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	393.54	3844.0	3911.9	4438.8
Stddev	2.13	16.3	5.5	30.2
%RSD	.54006	.42348	.14156	.68025
#1	392.04	3832.5	3915.8	4417.4
#2	395.05	3855.5	3908.0	4460.1

Sample Name: ICB Acquired: 5/24/2010 15:16:15 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5142	15.75	-.4913	1.531	2.344
Stddev	.6187	9.04	.6396	.604	4.492
%RSD	120.3	57.42	130.2	39.43	191.6
#1	-.9517	22.14	-.9436	1.957	5.520
#2	-.0767	9.354	-.0391	1.104	-.8320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0813	44.88	.0928	-.0436	-.2928
Stddev	.0242	17.16	.2415	.2310	.0327
%RSD	29.80	38.23	260.3	530.0	11.17
#1	-.0642	32.75	-.0780	-.2069	-.2696
#2	-.0984	57.01	.2636	.1198	-.3159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB Acquired: 5/24/2010 15:16:15 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2219	17.81	7.382	46.96	.1911
Stddev	.5972	12.46	6.130	88.69	.0117
%RSD	269.1	69.99	83.04	188.9	6.133
#1	-.6442	8.994	3.048	-15.76	.1828
#2	.2003	26.62	11.72	109.7	.1994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.973	.7707	.7726	2.302	1.667
Stddev	.222	1.203	.8134	.402	.941
%RSD	11.27	156.1	105.3	17.47	56.44
#1	2.130	-.0798	.1975	2.586	2.332
#2	1.816	1.621	1.348	2.017	1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB Acquired: 5/24/2010 15:16:15 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0086	.5603	-5.110	.1500	.1315
Stddev	2.582	3.550	2.034	.6953	.0803
%RSD	30090.	633.6	39.81	463.5	61.03
#1	-1.817	3.071	-3.671	-.3416	.0748
#2	1.834	-1.950	-6.549	.6416	.1883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Ti-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.4368	.2708	-.6057	-.1045
Stddev	.3431	.2506	.5668	.1756
%RSD	78.55	92.52	93.58	168.1
#1	.6795	.0936	-1.006	-.2286
#2	.1942	.4480	-.2049	.0197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICB Acquired: 5/24/2010 15:16:15 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	408.94	3886.5	3972.1	4417.0
Stddev	1.53	5.6	12.1	5.1
%RSD	.37439	.14385	.30350	.11478
#1	407.85	3890.4	3963.6	4413.4
#2	410.02	3882.5	3980.6	4420.6

LCL 286.3 2720.6 2780.5 3091.9
UCL 531.6 5052.5 5163.7 5742.1

Sample Name: CRI Acquired: 5/24/2010 15:20:10 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.742	217.7	12.08	F 1.084	200.9
Stddev	.389	36.2	.77	.059	.1
%RSD	5.023	16.61	6.345	5.448	.0396
#1	8.017	192.1	12.62	1.042	200.9
#2	7.467	243.2	11.53	1.126	201.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.040	5466.	5.025	51.31	10.43
Stddev	.242	55.	.323	.51	.01
%RSD	4.793	1.000	6.432	.9917	.1051
#1	5.211	5427.	5.253	51.67	10.44
#2	4.869	5505.	4.796	50.95	10.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 5/24/2010 15:20:10 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	23.82	120.2	5658.	5403.	15.49
Stddev	.05	.8	44.	43.	.03
%RSD	.1977	.6695	.7746	.8013	.2072
#1	23.78	120.7	5627.	5372.	15.47
#2	23.85	119.6	5689.	5434.	15.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F .3069	5479.	41.43	F .7972	12.56
Stddev	.5210	13.	.50	2.279	.46
%RSD	169.8	.2407	1.210	285.9	3.645
#1	.6753	5488.	41.78	-.8146	12.88
#2	-.0615	5469.	41.08	2.409	12.23
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	15.00			375.0	
Low Limit	5.000			125.0	

Sample Name: CRI Acquired: 5/24/2010 15:20:10 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	61.48	40.52	F -3.893	F -.2215	F .1119
Stddev	1.36	2.69	2.056	.8302	.0106
%RSD	2.207	6.630	52.81	374.9	9.458
#1	62.44	38.62	-5.346	-.8085	.1194
#2	60.52	42.42	-2.439	.3656	.1044
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit			300.0	30.00	30.00
Low Limit			100.0	10.00	10.00

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	F .3939	25.92	51.95	63.42
Stddev	.1854	.97	.17	.24
%RSD	47.06	3.755	.3304	.3761
#1	.5250	25.23	51.83	63.59
#2	.2628	26.61	52.07	63.25
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 5/24/2010 15:20:10 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	407.49	3870.2	3967.2	4410.9
Stddev	2.69	14.7	9.1	29.7
%RSD	.66113	.38085	.22924	.67298
#1	405.58	3880.6	3960.7	4389.9
#2	409.39	3859.8	3973.6	4431.9

Sample Name: ICSA Acquired: 5/24/2010 15:24:02 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.036	249000.	-.2101	.0234	6.804
Stddev	.281	98.	.4546	.7752	.336
%RSD	27.07	.0393	216.4	3320.	4.935
#1	-1.235	249000.	-.5315	.5715	6.566
#2	-.8379	249100.	.1114	-.5248	7.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2771	247500.	.8083	1.135	-.2635
Stddev	.2104	48.	.1415	.363	.0697
%RSD	75.95	.0196	17.51	31.98	26.47
#1	-.4259	247600.	.7082	1.391	-.2142
#2	-.1283	247500.	.9083	.8780	-.3128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/24/2010 15:24:02 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5294	98760.	-22.39	244000.	-2.071
Stddev	.2338	220.	144.2	211.	.054
%RSD	44.15	.2230	644.1	.0864	2.598
#1	.3641	98910.	79.59	244200.	-2.033
#2	.6947	98600.	-124.4	243900.	-2.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.9411	4.348	-3.932	1.980	1.883
Stddev	.2354	42.65	.285	1.931	1.733
%RSD	25.01	980.9	7.243	97.51	92.04
#1	-.7747	34.50	-3.730	3.346	.6575
#2	-1.108	-25.81	-4.133	.6150	3.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/24/2010 15:24:02 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-3.122	-1.770	2.065	-.4679	2.535
Stddev	.956	1.182	1.976	.8429	.031
%RSD	30.64	66.77	95.69	180.1	1.227
#1	-3.798	-.9344	.6679	-1.064	2.557
#2	-2.445	-2.606	3.462	.1281	2.513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	2.745	1.312	-3.775	-1.488
Stddev	.179	.582	.672	.048
%RSD	6.538	44.35	17.79	3.190
#1	2.618	.9003	-4.250	-1.454
#2	2.872	1.723	-3.300	-1.521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 5/24/2010 15:24:02 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	368.22	3676.3	3748.0	4335.8
Stddev	.88	2.8	10.8	9.2
%RSD	.23989	.07489	.28933	.21286
#1	367.60	3678.3	3740.3	4342.3
#2	368.85	3674.4	3755.6	4329.2

Sample Name: ICSAB Acquired: 5/24/2010 15:27:52 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX}	(Y_HWRD)	(Y_-LWAX}	(Y_-LWAX}	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	209.1	258800.	F 107.6	F .3086	490.8
Stddev	.3	3196.	.7	.9761	2.5
%RSD	.1383	1.235	.6553	316.3	.5015
#1	208.9	261100.	108.1	.9988	492.6
#2	209.3	256500.	107.1	-.3816	489.1
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			240.0	1800.	
Low Limit			160.0	1200.	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD}	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	517.8	257000.	997.8	476.9	491.3
Stddev	5.9	2729.	1.1	1.9	.7
%RSD	1.145	1.062	.1148	.3953	.1409
#1	522.0	258900.	998.6	478.3	490.8
#2	513.6	255000.	997.0	475.6	491.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 5/24/2010 15:27:52 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX}	(Y_HWAX)	(Y_HWRD)	(Y_HWRD}	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	522.7	F 102800.	-8.427	W 252800.	485.5
Stddev	2.1	155.	148.0	3186.	1.0
%RSD	.4099	.1508	1757.	1.260	.2160
#1	524.3	102900.	-113.1	255100.	486.2
#2	521.2	102700.	96.25	250600.	484.8
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		240.0		250000.	
Low Limit		160.0		200000.	

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX}	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -.8733	24.09	928.5	F 4.365	52.57
Stddev	.1042	37.83	.9	.608	.80
%RSD	11.93	157.0	.0958	13.92	1.516
#1	-.9469	-2.657	929.1	4.795	52.00
#2	-.7996	50.84	927.9	3.936	53.13
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	1200.			600.0	
Low Limit	800.0			400.0	

Sample Name: ICSAB Acquired: 5/24/2010 15:27:52 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	610.1	51.05	5.532	-1.122	2.569
Stddev	.2	.43	.980	1.379	.050
%RSD	.0409	.8335	17.71	122.9	1.940
#1	609.9	50.75	6.225	-.1469	2.534
#2	610.3	51.35	4.839	-2.098	2.604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX}	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	515.7	103.0	509.4	1001.
Stddev	.5	2.2	.1	.
%RSD	.1032	2.100	.0118	.0058
#1	516.1	104.5	509.5	1001.
#2	515.3	101.5	509.4	1001.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 5/24/2010 15:27:52 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	370.09	3664.7	3751.5	4336.4
Stddev	1.77	25.2	17.1	61.4
%RSD	.47943	.68645	.45526	1.4150
#1	368.83	3647.0	3739.4	4293.0
#2	371.34	3682.5	3763.6	4379.8

Sample Name: CCV Acquired: 5/24/2010 15:31:40 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	100.8	30680.	104.4	732.7	201.7
Stddev	.3	65.	1.9	.8	6.7
%RSD	.3417	.2128	1.853	.1073	3.342
#1	101.0	30720.	103.0	732.1	197.0
#2	100.5	30630.	105.8	733.2	206.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	102.6	30590.	100.8	194.7	199.2
Stddev	.4	101.	.5	.4	.0
%RSD	.4060	.3313	.4470	.2285	.0224
#1	102.9	30660.	100.5	194.4	199.3
#2	102.3	30510.	101.1	195.0	199.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 15:31:40 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	196.2	30910.	30630.	30810.	195.2
Stddev	.6	22.	66.	64.	.1
%RSD	.3061	.0704	.2163	.2074	.0487
#1	195.7	30890.	30670.	30760.	195.3
#2	196.6	30920.	30580.	30850.	195.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	202.2	30820.	192.2	207.2	407.9
Stddev	2.1	48.	.7	2.0	4.0
%RSD	1.030	.1570	.3539	.9860	.9798
#1	200.7	30780.	191.7	205.8	405.1
#2	203.6	30850.	192.7	208.7	410.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 15:31:40 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	303.9	105.0	1027.	200.4	308.5
Stddev	2.7	1.5	6.	.2	1.0
%RSD	.8944	1.474	.6291	.1237	.3349
#1	305.8	106.1	1022.	200.6	307.7
#2	302.0	103.9	1031.	200.2	309.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	405.9	102.7	205.3	203.3
Stddev	.1	.8	.7	.4
%RSD	.0262	.7615	.3176	.1771
#1	405.8	102.2	204.8	203.0
#2	405.9	103.3	205.7	203.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/24/2010 15:31:40 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	389.94	3814.7	3896.9	4381.7
Stddev	4.05	6.5	.6	12.5
%RSD	1.0395	.16987	.01425	.28547
#1	392.81	3810.1	3897.3	4390.6
#2	387.08	3819.3	3896.5	4372.9

Sample Name: CCB Acquired: 5/24/2010 15:35:29 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX}	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX}	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4169	-31.73	-1.137	.7313	3.779
Stddev	.0374	23.52	1.478	.0357	2.297
%RSD	8.973	74.13	129.9	4.886	60.78
#1	-.3905	-48.36	-2.182	.7061	5.404
#2	-.4434	-15.10	-.0926	.7566	2.155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0333	-16.18	-.0475	.0124	-.1436
Stddev	.2446	73.93	.2451	.1917	.1334
%RSD	735.6	457.0	516.3	1541.	92.87
#1	-.2062	36.10	-.2208	.1480	-.2380
#2	.1397	-68.45	.1259	-.1231	-.0493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 15:35:29 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX}	(Y_HWRD)	(Y_HWRD)	(Y_HWAX}
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.8052	1.216	18.52	27.88	.1420
Stddev	.7047	1.417	15.66	42.99	.0271
%RSD	87.51	116.5	84.58	154.2	19.06
#1	-.3069	.2145	7.443	58.27	.1611
#2	-1.303	2.218	29.59	-2.522	.1228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0058	-13.67	.1110	-.7713	-.7244
Stddev	.4511	27.55	.1182	.7123	1.829
%RSD	7842.	201.5	106.5	92.35	252.5
#1	.3132	5.809	.0274	-1.275	.5691
#2	-.3247	-33.15	.1945	-.2677	-2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 15:35:29 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.8617	4.832	-6.317	.2411	.0471
Stddev	2.807	3.668	.857	.9713	.0051
%RSD	325.8	75.92	13.56	402.9	10.81
#1	-2.847	2.238	-5.711	-.4458	.0507
#2	1.123	7.425	-6.923	.9279	.0435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.0913	-1.069	-.5543	-.2259
Stddev	.4525	.894	.7564	.0188
%RSD	495.6	83.63	136.5	8.340
#1	-.2287	-.4367	-1.089	-.2126
#2	.4113	-1.701	-.0195	-.2392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/24/2010 15:35:29 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	408.23	3861.8	3943.1	4401.4
Stddev	1.05	10.7	13.9	2.9
%RSD	.25721	.27779	.35232	.06506
#1	407.49	3869.4	3933.3	4403.5
#2	408.97	3854.2	3952.9	4399.4

Sample Name: PBW052210A Acquired: 5/24/2010 15:39:24 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.124	4.172	-2.072	1.151	8.982
Stddev	.536	16.93	1.265	.873	4.891
%RSD	47.69	405.8	61.05	75.84	54.45
#1	-.7450	16.14	-2.966	.5336	12.44
#2	-1.503	-7.799	-1.177	1.768	5.524
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.1205	26.66	-.0877	-.1829	-.3467
Stddev	.1468	43.48	.0156	.0655	.0394
%RSD	121.8	163.1	17.75	35.80	11.36
#1	-.2243	-4.088	-.0987	-.1366	-.3189
#2	-.0167	57.40	-.0767	-.2291	-.3745
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: PBW052210A Acquired: 5/24/2010 15:39:24 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4932	4.927	-41.20	12.75	.0511
Stddev	1.162	11.88	20.54	32.06	.1261
%RSD	235.5	241.1	49.85	251.5	246.6
#1	.3281	-3.473	-55.73	35.41	.1403
#2	-1.314	13.33	-26.68	-9.920	-.0380
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	{Y_-LWAX)	{Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0214	-33.53	.5715	2.381	-.7580
Stddev	.0110	4.25	.6720	.111	.3541
%RSD	51.38	12.68	117.6	4.668	46.72
#1	.0136	-36.53	1.047	2.460	-.5076
#2	.0292	-30.52	.0963	2.303	-1.008
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: PBW052210A Acquired: 5/24/2010 15:39:24 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.6464	2.623	5.494	-.0820	.0304
Stddev	.4627	.145	3.572	.6772	.0125
%RSD	71.58	5.546	65.01	826.2	41.22
#1	.3193	2.520	8.020	-.5608	.0215
#2	.9736	2.725	2.969	.3969	.0392
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.3272	-.3263	-.5032	-.2081
Stddev	.1077	.1910	.0323	.1495
%RSD	32.91	58.52	6.427	71.82
#1	.4034	-.1913	-.5261	-.3138
#2	.2511	-.4614	-.4804	-.1024
Check ?	None	None	None	None
Value				
Range				

Sample Name: PBW052210A Acquired: 5/24/2010 15:39:24 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	410.20	3902.8	3994.8	4441.3
Stddev	2.07	12.3	10.0	16.3
%RSD	.50435	.31631	.25156	.36667
#1	408.73	3894.0	3987.6	4429.8
#2	411.66	3911.5	4001.9	4452.8

Sample Name: LCSW052210A Acquired: 5/24/2010 15:43:19 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	495.4	47560.	1078.	489.5	470.8
Stddev	.2	77.	3.	2.0	.0
%RSD	.0375	.1628	.2952	.4120	.0052
#1	495.6	47500.	1076.	488.1	470.8
#2	495.3	47610.	1081.	490.9	470.7
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	503.5	46980.	504.8	472.2	481.0
Stddev	.4	47.	1.6	.6	.3
%RSD	.0698	.1007	.3211	.1225	.0580
#1	503.3	47010.	503.7	471.7	480.8
#2	503.8	46940.	506.0	472.6	481.2
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: LCSW052210A Acquired: 5/24/2010 15:43:19 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44)	279.079 {121)	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	483.0	48030.	47470.	46590.	469.9
Stddev	2.1	16.	51.	237.	.6
%RSD	.4299	.0325	.1074	.5080	.1300
#1	481.5	48020.	47510.	46420.	469.4
#2	484.5	48040.	47430.	46760.	470.3
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467)	589.592 { 57)	231.604 {445)	178.284 {489)	220.353 {453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1008.	46190.	461.0	1033.	1015.
Stddev	6.	4.	1.5	3.	4.
%RSD	.6089	.0079	.3266	.3156	.4417
#1	1004.	46180.	459.9	1031.	1012.
#2	1012.	46190.	462.0	1036.	1018.
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: LCSW052210A Acquired: 5/24/2010 15:43:19 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463)	196.090 {472}	288.158 {117)	189.989 {477)2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1990.	529.5	1060.	902.0	1467.
Stddev	9.	.6	3.	1.9	7.
%RSD	.4659	.1158	.3105	.2079	.4469
#1	1984.	529.1	1062.	900.7	1462.
#2	1997.	529.9	1058.	903.4	1472.
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477)	292.402 {115}2	213.856 {458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	1007.	541.6	508.5	495.0
Stddev	1.	.3	1.1	2.1
%RSD	.1229	.0522	.2215	.4215
#1	1007.	541.8	509.3	493.5
#2	1008.	541.4	507.7	496.4
Check ?	None	None	None	None
Value				
Range				

Sample Name: LCSW052210A Acquired: 5/24/2010 15:43:19 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	383.43	3805.3	3897.6	4430.8
Stddev	1.98	2.5	19.9	18.4
%RSD	.51647	.06660	.51013	.41520
#1	384.83	3807.1	3911.7	4443.8
#2	382.03	3803.5	3883.5	4417.8

Sample Name: 830640 Acquired: 5/24/2010 15:47:11 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0434	1036.	.5459	55.41	42.21
Stddev	1.487	55.	.3147	.09	6.18
%RSD	3425.	5.262	57.64	.1570	14.63
#1	-1.095	997.2	.7684	55.47	37.85
#2	1.008	1074.	.3234	55.34	46.58
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4406	15530.	.3933	.4050	8.122
Stddev	.0930	124.	.1077	.3953	.142
%RSD	21.12	.7990	27.39	97.61	1.754
#1	.3748	15440.	.3171	.1255	8.222
#2	.5064	15620.	.4695	.6845	8.021
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830640 Acquired: 5/24/2010 15:47:11 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.219	120.1	12550.	7268.	21.35
Stddev	.435	19.4	30.	14.	.14
%RSD	19.58	16.17	.2401	.1927	.6411
#1	2.526	106.4	12530.	7258.	21.25
#2	1.912	133.9	12570.	7278.	21.45
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	4.015	27550.	31.99	32.20	4.119
Stddev	.534	11.	.02	2.28	1.840
%RSD	13.30	.0398	.0494	7.072	44.66
#1	4.393	27560.	31.98	30.59	5.420
#2	3.638	27550.	32.00	33.81	2.819
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830640 Acquired: 5/24/2010 15:47:11 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	3.102	1.841	7724.	.2852	110.8
Stddev	.803	.840	9.	.7418	.7
%RSD	25.87	45.60	.1117	260.1	.6209
#1	3.670	1.247	7718.	-.2393	111.3
#2	2.535	2.435	7730.	.8098	110.3
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	3.972	1.076	.6652	20.06
Stddev	.280	.981	.6786	.02
%RSD	7.045	91.15	102.0	.0847
#1	4.170	.3825	.1854	20.08
#2	3.774	1.770	1.145	20.05
Check ?	None	None	None	None
Value				
Range				

Sample Name: 830640 Acquired: 5/24/2010 15:47:11 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	405.59	3860.2	3961.9	4426.5
Stddev	.57	22.6	4.6	18.1
%RSD	.13979	.58525	.11513	.40874
#1	405.18	3876.2	3958.7	4413.7
#2	405.99	3844.2	3965.2	4439.3

Sample Name: 830640LX5 Acquired: 5/24/2010 15:51:06 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1647	204.4	-2.278	9.921	15.55
Stddev	.2738	3.3	2.112	.449	1.70
%RSD	166.3	1.618	92.71	4.521	10.92
#1	-.0290	206.8	-.7848	10.24	16.75
#2	.3583	202.1	-3.772	9.603	14.35
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	{Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0007	3145.	-.1494	-.1980	1.270
Stddev	.0733	38.	.1652	.2397	.029
%RSD	11250.	1.223	110.6	121.0	2.296
#1	-.0525	3172.	-.0326	-.0285	1.291
#2	.0512	3118.	-.2662	-.3675	1.249
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830640LX5 Acquired: 5/24/2010 15:51:06 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4814	28.05	2632.	1505.	4.325
Stddev	.1921	9.21	150.	28.	.026
%RSD	39.90	32.83	5.699	1.840	.6037
#1	-.6173	21.54	2526.	1525.	4.343
#2	-.3456	34.56	2738.	1486.	4.306
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	{In2306}
Units	ppb	ppb	ppb	ppb	ppb
Avg	.6046	5659.	7.214	7.040	3.313
Stddev	.3562	15.	.880	2.213	2.240
%RSD	58.91	.2729	12.20	31.44	67.63
#1	.8565	5670.	7.836	8.605	1.729
#2	.3528	5648.	6.592	5.475	4.897
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830640LX5 Acquired: 5/24/2010 15:51:06 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.6415	2.560	1528.	.1400	21.88
Stddev	.6626	1.241	2.	.6174	.15
%RSD	103.3	48.47	.1536	441.0	.6716
#1	.1730	3.437	1530.	-.2965	21.98
#2	1.110	1.682	1526.	.5766	21.77
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.5039	1.318	-.1806	4.049
Stddev	1.541	.583	.0783	.148
%RSD	305.8	44.19	43.37	3.660
#1	1.593	.9064	-.2359	3.944
#2	-.5856	1.730	-.1252	4.154
Check ?	None	None	None	None
Value				
Range				

Sample Name: 830640LX5 Acquired: 5/24/2010 15:51:06 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	413.89	3881.5	3987.7	4434.3
Stddev	4.01	4.0	13.8	31.4
%RSD	.96862	.10401	.34647	.70866
#1	411.06	3878.7	3977.9	4412.1
#2	416.73	3884.4	3997.5	4456.5

Sample Name: 830641 Acquired: 5/24/2010 15:55:01 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.6719	14000.	.0776	66.38	82.01
Stddev	1.204	60.	1.231	.06	2.35
%RSD	179.2	.4261	1586.	.0907	2.867
#1	.1794	13960.	.9482	66.42	80.35
#2	-1.523	14040.	-.7929	66.34	83.68
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.264	18740.	.7830	.6842	21.26
Stddev	.340	165.	.2828	.1476	.07
%RSD	15.01	.8805	36.12	21.57	.3178
#1	2.024	18630.	.9830	.5799	21.22
#2	2.505	18860.	.5831	.7886	21.31
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830641 Acquired: 5/24/2010 15:55:01 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.834	173.9	13010.	8850.	597.3
Stddev	.108	10.6	88.	71.	.0
%RSD	5.900	6.091	.6796	.8019	.0004
#1	1.758	181.4	12950.	8800.	597.3
#2	1.911	166.4	13070.	8900.	597.3
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2406	24830.	241.4	26.07	6.349
Stddev	.4036	95.	.5	.03	1.927
%RSD	167.8	.3834	.2143	.1125	30.35
#1	.0448	24760.	241.0	26.09	4.986
#2	-.5260	24900.	241.7	26.05	7.711
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830641 Acquired: 5/24/2010 15:55:01 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.852	3.847	11960.	-1.276	103.3
Stddev	1.003	4.688	6.	.033	.3
%RSD	54.16	121.9	.0490	2.586	.2796
#1	2.561	.5321	11960.	-1.299	103.1
#2	1.143	7.161	11950.	-1.252	103.5
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.2474	1.175	-.0876	39.13
Stddev	.5858	3.038	1.016	.08
%RSD	236.8	258.6	1160.	.1985
#1	.6616	-.9736	.6311	39.07
#2	-.1668	3.323	-.8063	39.18
Check ?	None	None	None	None
Value				
Range				

Sample Name: 830641 Acquired: 5/24/2010 15:55:01 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	399.15	3883.9	3958.6	4460.2
Stddev	.63	5.0	6.6	9.4
%RSD	.15837	.12979	.16680	.21160
#1	399.59	3880.4	3963.2	4466.9
#2	398.70	3887.5	3953.9	4453.5

Sample Name: 830642 Acquired: 5/24/2010 15:58:54 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-8.682	759.9	1.244	89.17	7.899
Stddev	.551	2.1	.008	1.64	1.359
%RSD	6.346	.2706	.6231	1.835	17.21
#1	-8.292	761.4	1.250	90.33	6.938
#2	-9.071	758.4	1.239	88.02	8.861
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	{Y_HWRD}	{Y_HWRD}	{Y_-LWAX}	{Y_-LWAX}	{Y_-LWAX}
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0584	18660.	.2992	-.2635	53.03
Stddev	.1617	52.	.0178	.4059	.07
%RSD	276.8	.2762	5.956	154.1	.1262
#1	-.1727	18620.	.2866	-.5505	53.08
#2	.0559	18700.	.3118	.0236	52.99
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830642 Acquired: 5/24/2010 15:58:54 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	{Y_HWAX}	{Y_HWAX}	{Y_HWRD}	{Y_HWRD}	{Y_HWAX}
Units	ppb	ppb	ppb	ppb	ppb
Avg	.8560	2.753	174500.	5930.	48840.
Stddev	.1419	15.86	1077.	29.	47.
%RSD	16.58	576.0	.6174	.4809	.0961
#1	.7556	13.97	175200.	5950.	48880.
#2	.9563	-8.460	173700.	5910.	48810.
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	{Y_-LWAX}	{Y_HWRD}	{Y_-LWAX}	{Y_-LWAX}	{In2306}
Units	ppb	ppb	ppb	ppb	ppb
Avg	11.73	19390.	2.381	60.59	4.922
Stddev	.41	.	1.331	2.56	.289
%RSD	3.462	.0007	55.92	4.234	5.868
#1	11.44	19390.	1.439	62.40	4.718
#2	12.02	19390.	3.322	58.77	5.126
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830642 Acquired: 5/24/2010 15:58:54 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	{Y_-LWAX}	{Y_-LWAX}	{Y_HWAX}	{Y_-LWAX}	{Y_HWRD}
Units	ppb	ppb	ppb	ppb	ppb
Avg	-4.098	5.964	11430.	-.5194	50.83
Stddev	.068	1.035	24.	.1429	.81
%RSD	1.670	17.36	.2057	27.51	1.593
#1	-4.147	6.696	11440.	-.4183	51.41
#2	-4.050	5.232	11410.	-.6204	50.26
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	{Y_HWAX}	{In2306}	{Y_HWAX}	{Y_-LWAX}
Units	ppb	ppb	ppb	ppb
Avg	2.076	-7.017	7.284	13.99
Stddev	.074	2.357	.752	.08
%RSD	3.556	33.59	10.33	.5907
#1	2.128	-8.684	7.816	13.94
#2	2.023	-5.351	6.752	14.05
Check ?	None	None	None	None
Value				
Range				

Sample Name: 830642 Acquired: 5/24/2010 15:58:54 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	397.90	3824.9	3904.4	4408.3
Stddev	2.34	14.5	13.7	53.6
%RSD	.58687	.37921	.35178	1.2151
#1	399.55	3835.2	3914.1	4370.4
#2	396.25	3814.6	3894.6	4446.2

Sample Name: 830643 Acquired: 5/24/2010 16:02:55 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 3.372	k 6191.	k 1.800	k 81.71	k 77.14
Stddev	.126	.	3.748	.01	2.51
%RSD	3.747	.0055	208.2	.0175	3.248
#1	k 3.283	k 6191.	k -.8501	k 81.70	k 75.37
#2	k 3.461	k 6190.	k 4.451	k 81.72	k 78.91
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k 1.165	32430.	k 1.560	k -.1714	k 145.5
Stddev	.298	105.	.077	.0291	.1
%RSD	25.54	.3233	4.951	17.01	.1010
#1	k 1.376	32500.	k 1.505	k -.1920	k 145.4
#2	k .9549	32350.	k 1.614	k -.1508	k 145.6
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830643 Acquired: 5/24/2010 16:02:55 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k .0464	k 58.12	76320.	k 14100.	^ *****
Stddev	.4223	2.80	79.	1.	-----
%RSD	909.8	4.822	.1037	.0046	-----
#1	k .3451	k 60.10	76380.	k 14100.	^ -----
#2	k -.2522	k 56.13	76270.	k 14110.	^ -----
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k -18.18	43290.	k 176.1	k 114.2	k 21.60
Stddev	.10	27.	.5	4.2	2.38
%RSD	.5583	.0623	.2692	3.641	11.04
#1	k -18.25	43310.	k 176.4	k 111.3	k 23.29
#2	k -18.10	43270.	k 175.7	k 117.1	k 19.91
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830643 Acquired: 5/24/2010 16:02:55 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	k -3.138	k 115.8	k 10020.	-.9491	178.6
Stddev	3.609	1.6	13.	.2541	1.4
%RSD	115.0	1.420	.1306	26.77	.7746
#1	k -5.690	k 114.6	k 10020.	-.7694	179.6
#2	k -.5864	k 116.9	k 10030.	-1.129	177.7
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	k 4.293	k 211.9	k 6.146	k 42.71
Stddev	.651	1.4	1.291	.19
%RSD	15.17	.6638	21.00	.4431
#1	k 4.753	k 212.9	k 5.233	k 42.58
#2	k 3.833	k 211.0	k 7.059	k 42.85
Check ?	None	None	None	None
Value				
Range				

Sample Name: 830643 Acquired: 5/24/2010 16:02:55 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	415.87	3847.1	3941.8	4420.9
Stddev	.95	2.6	20.5	21.8
%RSD	.22933	.06709	.51930	.49208
#1	416.54	3845.3	3956.3	4405.6
#2	415.19	3848.9	3927.3	4436.3

Sample Name: 830644 Acquired: 5/24/2010 16:06:49 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.8174	13870.	-1.887	66.98	80.52
Stddev	.1353	47.	2.809	.84	4.60
%RSD	16.56	.3368	148.8	1.256	5.714
#1	-.9131	13910.	.0989	67.58	83.78
#2	-.7217	13840.	-3.873	66.39	77.27
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.311	18460.	.7218	1.028	21.44
Stddev	.184	13.	.3608	.208	.01
%RSD	7.976	.0717	49.98	20.26	.0375
#1	2.441	18470.	.4667	.8809	21.45
#2	2.180	18450.	.9770	1.176	21.44
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830644 Acquired: 5/24/2010 16:06:49 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.642	167.7	13060.	8691.	619.2
Stddev	.793	9.5	75.	61.	.4
%RSD	48.28	5.681	.5751	.7060	.0630
#1	1.082	161.0	13110.	8648.	619.4
#2	2.203	174.5	13000.	8734.	618.9
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4839	24540.	239.1	24.69	5.507
Stddev	.4883	20.	.8	2.08	.931
%RSD	100.9	.0824	.3445	8.407	16.90
#1	-.8292	24550.	239.7	23.22	6.165
#2	-.1386	24530.	238.5	26.16	4.849
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830644 Acquired: 5/24/2010 16:06:49 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 (472)	288.158 {117}	189.989 (477)2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.265	2.672	11830.	-.5665	103.1
Stddev	1.951	3.149	13.	.7246	.6
%RSD	154.1	117.8	.1077	127.9	.5796
#1	-2.645	.4459	11840.	-1.079	103.5
#2	.1138	4.899	11820.	-.0541	102.6
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.6320	.3937	-.5366	38.57
Stddev	.1079	1.732	.4099	.02
%RSD	17.08	440.1	76.39	.0544
#1	.5557	-.8313	-.8264	38.59
#2	.7083	1.619	-.2467	38.56
Check ?	None	None	None	None
Value				
Range				

Sample Name: 830644 Acquired: 5/24/2010 16:06:49 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	398.94	3882.7	3962.5	4419.8
Stddev	1.65	10.6	2.9	32.5
%RSD	.41369	.27216	.07345	.73576
#1	400.10	3875.2	3964.5	4396.8
#2	397.77	3890.1	3960.4	4442.8

Sample Name: 830645 Acquired: 5/24/2010 16:10:40 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5877	-9.443	-.3114	.2623	2.778
Stddev	.0797	33.39	.9220	.2838	.813
%RSD	13.56	353.6	296.1	108.2	29.26
#1	-.5314	-33.05	.3405	.0616	3.352
#2	-.6441	14.17	-.9633	.4630	2.203
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0399	18.42	-.3424	.0012	-.4012
Stddev	.1604	160.3	.0795	.1862	.2075
%RSD	401.8	870.4	23.21	14920.	51.72
#1	-.1533	-94.93	-.2862	.1329	-.5479
#2	.0735	131.8	-.3986	-.1304	-.2545
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830645 Acquired: 5/24/2010 16:10:40 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2689	8.468	66.83	20.54	4.390
Stddev	.7014	1.930	88.73	45.96	.465
%RSD	260.8	22.79	132.8	223.8	10.59
#1	.7649	7.104	4.088	-11.96	4.719
#2	-.2270	9.833	129.6	53.04	4.061
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.7058	17.75	.5089	2.520	.7451
Stddev	.1792	25.45	.1521	1.233	.5548
%RSD	25.38	143.4	29.89	48.93	74.46
#1	-.5791	-.2520	.6164	3.392	1.137
#2	-.8325	35.75	.4013	1.648	.3528
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830645 Acquired: 5/24/2010 16:10:40 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0802	1.204	10.29	-.3998	.0861
Stddev	.9128	1.046	.36	.5087	.0115
%RSD	1138.	86.92	3.479	127.2	13.41
#1	.7256	.4638	10.04	-.0401	.0779
#2	-.5653	1.943	10.54	-.7596	.0943
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.4092	-.4081	-.2601	.3543
Stddev	.1641	1.118	.1366	.1224
%RSD	40.10	274.0	52.53	34.54
#1	.5252	-1.199	-.3567	.2678
#2	.2932	.3827	-.1635	.4408
Check ?	None	None	None	None
Value				
Range				

Sample Name: 830645 Acquired: 5/24/2010 16:10:40 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	410.22	3916.8	4009.3	4463.0
Stddev	.58	7.5	3.4	5.7
%RSD	.14252	.19029	.08458	.12802
#1	409.81	3922.1	4006.9	4467.0
#2	410.64	3911.5	4011.6	4458.9

Sample Name: CCV Acquired: 5/24/2010 16:14:35 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	100.5	30540.	101.7	729.3	200.8
Stddev	.3	70.	1.0	2.0	8.4
%RSD	.2752	.2280	.9713	.2742	4.167
#1	100.3	30490.	101.0	727.9	206.8
#2	100.7	30580.	102.4	730.7	194.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	102.8	30570.	100.2	194.7	199.8
Stddev	.7	101.	.7	.2	.1
%RSD	.7284	.3286	.6518	.0889	.0479
#1	103.3	30640.	99.69	194.8	199.9
#2	102.3	30500.	100.6	194.5	199.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 16:14:35 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44)	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	198.3	31040.	30790.	30750.	195.6
Stddev	.9	58.	143.	6.	.6
%RSD	.4701	.1875	.4638	.0191	.3055
#1	197.7	31090.	30690.	30750.	196.0
#2	199.0	31000.	30890.	30740.	195.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	201.7	30890.	192.5	206.5	407.4
Stddev	1.9	25.	1.0	1.7	2.0
%RSD	.9655	.0821	.5189	.8082	.4856
#1	200.3	30910.	191.8	205.3	406.0
#2	203.1	30880.	193.2	207.7	408.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 16:14:35 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	302.5	99.93	1034.	202.9	310.4
Stddev	1.4	1.64	1.	.9	2.4
%RSD	.4700	1.640	.1129	.4627	.7870
#1	303.6	98.77	1035.	202.3	312.1
#2	301.5	101.1	1033.	203.6	308.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	405.5	102.4	205.2	203.0
Stddev	.3	.2	1.1	.5
%RSD	.0818	.1769	.5313	.2352
#1	405.8	102.2	206.0	202.6
#2	405.3	102.5	204.4	203.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/24/2010 16:14:35 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	392.40	3809.0	3908.5	4350.6
Stddev	3.34	13.1	2.9	3.7
%RSD	.85037	.34356	.07445	.08483
#1	394.76	3818.3	3910.6	4348.0
#2	390.04	3799.8	3906.5	4353.2

Sample Name: CCB Acquired: 5/24/2010 16:18:24 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.109	-14.48	-.8941	1.849	.5870
Stddev	.951	7.93	.8854	.308	2.691
%RSD	85.79	54.75	99.02	16.66	458.5
#1	-1.781	-8.874	-.2681	1.632	-1.316
#2	-.4362	-20.08	-1.520	2.067	2.490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0992	21.80	-.1483	-.2579	-.0822
Stddev	.3885	29.18	.1496	.1602	.1269
%RSD	391.4	133.8	100.8	62.11	154.4
#1	-.3739	1.169	-.0426	-.1446	.0075
#2	.1754	42.43	-.2541	-.3711	-.1720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 16:18:24 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.6136	12.22	82.33	16.43	.1290
Stddev	.3213	8.92	111.0	10.61	.2221
%RSD	52.37	73.00	134.8	64.61	172.2
#1	-.8408	18.53	160.8	8.924	.2860
#2	-.3864	5.912	3.838	23.93	-.0280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0311	32.66	.2459	1.002	2.053
Stddev	.1964	27.04	.2496	.173	1.122
%RSD	632.2	82.78	101.5	17.29	54.63
#1	.1078	13.54	.0694	.8793	2.846
#2	-.1700	51.78	.4224	1.124	1.260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 16:18:24 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.701	1.339	-4.732	-.2341	.0046
Stddev	.162	3.142	2.570	.0865	.0545
%RSD	9.519	234.7	54.31	36.96	1191.
#1	1.587	-.8831	-6.549	-.1729	.0431
#2	1.816	3.560	-2.915	-.2952	-.0339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.2225	-1.142	-.1762	-.3427
Stddev	.2746	1.368	.4231	.0127
%RSD	123.4	119.9	240.1	3.695
#1	.0283	-.1740	.1230	-.3337
#2	.4166	-2.109	-.4754	-.3516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/24/2010 16:18:24 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	409.15	3893.0	3961.2	4394.5
Stddev	.83	10.5	.4	16.9
%RSD	.20197	.27021	.00909	.38393
#1	408.57	3885.6	3961.5	4406.4
#2	409.74	3900.4	3961.0	4382.6

Sample Name: CRI Acquired: 5/24/2010 16:22:18 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.488	227.6	9.482	F .8768	205.3
Stddev	.174	9.2	1.254	.0820	3.0
%RSD	2.324	4.024	13.22	9.347	1.458
#1	7.611	221.1	8.596	.9348	203.2
#2	7.365	234.1	10.37	.8189	207.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.242	5461.	5.024	51.04	9.897
Stddev	.413	.	.012	.13	.230
%RSD	7.877	.0055	.2419	.2521	2.328
#1	5.534	5461.	5.033	50.95	10.06
#2	4.950	5461.	5.016	51.13	9.734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 5/24/2010 16:22:18 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	24.26	125.5	5751.	5471.	15.79
Stddev	.31	5.9	166.	8.	.04
%RSD	1.276	4.664	2.893	.1409	.2512
#1	24.05	129.6	5869.	5476.	15.82
#2	24.48	121.4	5633.	5465.	15.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -.4938	5492.	41.42	F 1.190	11.34
Stddev	.1537	33.	.10	.585	2.47
%RSD	31.12	.5922	.2475	49.19	21.82
#1	-.6025	5469.	41.49	.7759	9.591
#2	-.3852	5515.	41.34	1.603	13.09
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	15.00			375.0	
Low Limit	5.000			125.0	

Sample Name: CRI Acquired: 5/24/2010 16:22:18 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	62.29	38.34	F -.2822	F -.1407	F .1398
Stddev	.81	.94	1.933	.0035	.0291
%RSD	1.307	2.445	684.9	2.516	20.85
#1	61.71	39.00	1.085	-.1382	.1192
#2	62.86	37.68	-1.649	-.1432	.1604
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit			300.0	30.00	30.00
Low Limit			100.0	10.00	10.00

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	F .2187	24.92	52.31	63.38
Stddev	.4869	.01	.35	.01
%RSD	222.6	.0465	.6698	.0237
#1	.5630	24.92	52.06	63.37
#2	-.1255	24.91	52.55	63.39
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 5/24/2010 16:22:18 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	407.15	3905.0	3985.2	4392.8
Stddev	.86	7.1	14.4	44.6
%RSD	.21244	.18109	.36127	1.0144
#1	407.76	3910.0	3995.3	4361.3
#2	406.54	3900.0	3975.0	4424.3

Sample Name: ICSA Acquired: 5/24/2010 16:26:12 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 (85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4541	249200.	.7983	.0791	1.910
Stddev	.8531	519.	1.458	.1064	2.256
%RSD	187.9	.2081	182.6	134.6	118.1
#1	.1491	248800.	1.829	.0038	3.506
#2	-1.057	249500.	-.2327	.1543	.3147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.2701	247800.	.7227	1.042	-.0258
Stddev	.0505	470.	.0097	.198	.0960
%RSD	18.70	.1898	1.344	19.03	372.0
#1	-.3058	247500.	.7296	.9019	-.0937
#2	-.2344	248100.	.7158	1.182	.0421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/24/2010 16:26:12 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 (124)2	766.490 (44}	279.079 (121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0852	99190.	24.94	244000.	-1.995
Stddev	.1257	103.	48.52	109.	.053
%RSD	147.5	.1042	194.6	.0446	2.661
#1	-.0037	99120.	-9.372	243900.	-1.957
#2	.1741	99260.	59.25	244100.	-2.032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 (57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX}	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.026	13.21	-3.571	2.122	1.637
Stddev	.390	7.84	.240	1.573	.599
%RSD	37.99	59.35	6.728	74.12	36.56
#1	-1.302	7.669	-3.741	3.234	2.061
#2	-.7507	18.76	-3.401	1.010	1.214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/24/2010 16:26:12 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 (83}
IS Ref	(Y_-LWAX}	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-5.928	.4302	6.021	-.2008	2.525
Stddev	.306	3.092	.701	.6549	.012
%RSD	5.169	718.8	11.64	326.1	.4747
#1	-6.144	-1.756	6.516	.2622	2.516
#2	-5.711	2.616	5.525	-.6639	2.533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	{In2306}	(Y_HWAX)	(Y_-LWAX}
Units	ppb	ppb	ppb	ppb
Avg	3.145	3.306	-3.032	-1.857
Stddev	1.116	2.034	1.392	.070
%RSD	35.50	61.52	45.90	3.771
#1	2.356	4.745	-4.016	-1.907
#2	3.934	1.868	-2.048	-1.808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 5/24/2010 16:26:12 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	370.14	3674.7	3764.0	4315.6
Stddev	1.31	5.2	8.8	7.3
%RSD	.35370	.14087	.23388	.16836
#1	369.21	3678.4	3757.7	4320.8
#2	371.07	3671.0	3770.2	4310.5

Sample Name: ICSAB Acquired: 5/24/2010 16:30:03 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	208.8	258000.	F 104.5	F 1.423	491.4
Stddev	.7	535.	2.5	.817	1.1
%RSD	.3312	.2072	2.375	57.42	.2166
#1	209.3	257700.	102.7	.8450	490.7
#2	208.4	258400.	106.3	2.000	492.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			240.0	1800.	
Low Limit			160.0	1200.	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	515.8	256600.	996.1	476.3	489.3
Stddev	1.1	593.	2.7	.7	.4
%RSD	.2092	.2312	.2673	.1406	.0761
#1	515.1	256200.	994.2	475.8	489.0
#2	516.6	257000.	998.0	476.8	489.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 5/24/2010 16:30:03 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	520.6	F 102800.	-59.79	W 252600.	484.2
Stddev	.6	371.	140.3	655.	1.4
%RSD	.1077	.3610	234.7	.2592	.2850
#1	520.2	103000.	-159.0	252200.	485.2
#2	521.0	102500.	39.45	253100.	483.2
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		240.0		250000.	
Low Limit		160.0		200000.	

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 (453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -1.308	-35.94	930.1	F .1706	54.82
Stddev	.393	3.06	2.3	.2730	1.59
%RSD	30.05	8.522	.2513	160.1	2.903
#1	-1.586	-33.77	928.4	-.0225	53.70
#2	-1.030	-38.10	931.7	.3636	55.95
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	1200.			600.0	
Low Limit	800.0			400.0	

Sample Name: ICSAB Acquired: 5/24/2010 16:30:03 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	608.9	50.68	6.217	-1.372	2.560
Stddev	1.4	2.44	2.370	1.034	.018
%RSD	.2340	4.822	38.13	75.34	.7122
#1	607.9	52.40	7.893	-.6411	2.547
#2	609.9	48.95	4.541	-2.103	2.573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	514.0	102.4	508.1	998.8
Stddev	.2	1.5	1.9	1.7
%RSD	.0294	1.504	.3689	.1749
#1	514.2	101.3	509.5	997.5
#2	513.9	103.4	506.8	1000.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 5/24/2010 16:30:03 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	367.70	3649.5	3740.1	4284.7
Stddev	2.20	27.6	11.4	4.7
%RSD	.59900	.75576	.30564	.11081
#1	366.14	3630.0	3732.0	4288.1
#2	369.26	3669.0	3748.2	4281.4

Sample Name: CCV Acquired: 5/24/2010 16:33:51 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	100.2	30400.	100.9	732.1	200.0
Stddev	.9	77.	1.1	3.3	1.8
%RSD	.8875	.2520	1.115	.4495	.9194
#1	100.9	30460.	100.1	729.7	198.7
#2	99.61	30350.	101.7	734.4	201.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	101.6	30220.	100.5	194.6	198.1
Stddev	.1	100.	.6	.8	.5
%RSD	.1344	.3304	.5689	.4091	.2618
#1	101.7	30290.	100.1	194.0	197.8
#2	101.5	30140.	100.9	195.1	198.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 16:33:51 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	195.2	30510.	30480.	30630.	193.2
Stddev	1.1	28.	79.	174.	.2
%RSD	.5393	.0912	.2600	.5668	.1016
#1	194.5	30530.	30530.	30750.	193.3
#2	195.9	30490.	30420.	30500.	193.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	202.3	30610.	191.9	205.2	400.3
Stddev	1.2	180.	.7	.4	1.6
%RSD	.5718	.5871	.3443	.1836	.3936
#1	201.5	30740.	191.4	205.5	399.2
#2	203.1	30490.	192.4	204.9	401.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 16:33:51 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	301.5	104.2	1017.	200.4	309.4
Stddev	.4	.4	3.	.2	.5
%RSD	.1340	.3933	.3029	.0856	.1767
#1	301.2	104.5	1014.	200.5	309.7
#2	301.8	103.9	1019.	200.3	309.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	403.7	101.9	202.6	201.2
Stddev	.1	.5	.5	.6
%RSD	.0230	.4881	.2448	.3024
#1	403.6	102.3	202.9	200.7
#2	403.8	101.6	202.2	201.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/24/2010 16:33:51 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	393.83	3846.6	3911.4	4374.8
Stddev	3.55	16.7	10.1	33.0
%RSD	.90205	.43318	.25747	.75465
#1	391.31	3834.8	3904.2	4351.5
#2	396.34	3858.4	3918.5	4398.2

Sample Name: CCB Acquired: 5/24/2010 16:37:41 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.6870	33.97	-3.112	1.350	6.395
Stddev	.1184	38.69	.842	.153	5.371
%RSD	17.24	113.9	27.05	11.32	83.98
#1	-.6033	61.33	-3.707	1.458	10.19
#2	-.7708	6.612	-2.517	1.242	2.598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.1487	-76.37	.0020	-.0335	-.4804
Stddev	.0972	70.49	.0465	.2049	.2954
%RSD	65.38	92.30	2317.	612.3	61.49
#1	-.2174	-26.53	-.0309	.1114	-.2715
#2	-.0800	-126.2	.0349	-.1784	-.6892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 16:37:41 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3745	9.950	59.24	8.693	.0758
Stddev	.6597	10.76	101.2	38.66	.0426
%RSD	176.2	108.1	170.8	444.8	56.27
#1	.0920	17.56	130.8	36.03	.1059
#2	-.8410	2.342	-12.32	-18.65	.0456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0498	22.75	.9234	-.5040	.9944
Stddev	.1228	5.08	.5598	.1645	2.462
%RSD	246.5	22.35	60.62	32.63	247.6
#1	.0370	26.35	1.319	-.3877	-.7463
#2	-.1367	19.16	.5276	-.6203	2.735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 16:37:41 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.587	.5863	-5.048	.1110	.0387
Stddev	2.087	1.491	6.544	1.555	.0547
%RSD	131.5	254.4	129.6	1401.	141.1
#1	.1119	1.641	-9.676	1.210	.0774
#2	3.063	-.4683	-.4207	-.9884	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.4630	.5740	-.7705	-.3678
Stddev	.1280	1.705	.0227	.0615
%RSD	27.65	297.0	2.953	16.71
#1	.3724	1.779	-.7544	-.4112
#2	.5535	-.6313	-.7865	-.3243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/24/2010 16:37:41 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	407.26	3885.8	3953.5	4370.9
Stddev	.73	21.5	8.9	.3
%RSD	.18046	.55279	.22608	.00663
#1	407.78	3901.0	3947.2	4370.7
#2	406.74	3870.6	3959.9	4371.1

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW Date: 5/24/2010
Reviewed by: JFS Date: 5/25/10
QC Review by: SLP Date: 5-25-10

TJA ICAP 7
ICP Metals ILM05.~~3~~ 4*

QC use: Cal#: Prep# Inst#:

Seq	Sample ID	Analysis Date	Time	DF	Matrix	Data File	Prep Batch	Analyst Comments
1	CalibStd-Blk	5/24/2010	19:40:25	1	WATER	052410-02.txt		VI
2	STD7	5/24/2010	19:44:18	1	WATER	052410-02.txt		
3	STD8	5/24/2010	19:48:09	1	WATER	052410-02.txt		
4	STD4	5/24/2010	19:52:07	1	WATER	052410-02.txt		
5	ICV1	5/24/2010	19:56:07	1	WATER	052410-02.txt		
6	ICB1	5/24/2010	20:00:02	1	WATER	052410-02.txt		
7	CRI1	5/24/2010	20:03:58	1	WATER	052410-02.txt		
8	ICSA1	5/24/2010	20:07:50	1	WATER	052410-02.txt		
9	ICSAB1	5/24/2010	20:11:40	1	WATER	052410-02.txt		
10	CCV1	5/24/2010	20:15:29	1	WATER	052410-02.txt		
11	CCB1	5/24/2010	20:19:16	1	WATER	052410-02.txt		
12	830642X5	5/24/2010	20:23:11	1	WATER	052410-02.txt	PBICPW0522	
13	CRI2	5/24/2010	20:27:11	1	WATER	052410-02.txt		
14	ICSA2	5/24/2010	20:31:03	1	WATER	052410-02.txt		
15	ICSAB2	5/24/2010	20:34:53	1	WATER	052410-02.txt		
16	CCV2	5/24/2010	20:38:42	1	WATER	052410-02.txt		
17	CCB2	5/24/2010	20:42:32	1	WATER	052410-02.txt		

* SLP
5-25-10

Analytical Review Report
Data File: 052410-02.txt

Date Printed: 5/25/10
Truevalue List: ICP7_D066-540

TJA ICAP 7
ICP Metals ILM05.3

Analysis Start Date: 5/24/2010 Start Time: 19:40:2
Analysis End Date: 5/24/2010 End Time: 20:42:3

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
CalibStd-Blk	1		-0.029	0.000	0.000	16.38	-0.029				
STD7	1		1.948	0.000	0.000	0.47	1.9				
ICV1	1	PASS	26300.000	26420.000	26180.000	0.67	26300.00	105.0	25000.0	90	110
ICB1	1	PASS	-33.650	3.613	-70.900	156.60	-33.650				+/-5000.00
CRI1	1	PASS	5535.000	5553.000	5516.000	0.47	5535.00	111.0	5000.0	70	130
ICSA1	1	FAIL	-124.600	-167.800	-81.290	49.13	-125				0
ICSAB1	1	FAIL	-140.900	-205.100	-76.780	64.37	-141				0
CCV1	1	PASS	30230.000	30260.000	30210.000	0.11	30230.00	100.0	30200.0	90	110
CCB1	1	PASS	-97.970	-140.600	-55.390	61.46	-97.970				+/-5000.00
CRI2	1	PASS	5562.000	5567.000	5557.000	0.14	5562.00	111.0	5000.0	70	130
ICSA2	1	FAIL	-94.670	-20.670	-168.700	110.50	-94.7				0
ICSAB2	1	FAIL	-130.800	-105.000	-156.700	27.91	-131				0
CCV2	1	PASS	30230.000	30160.000	30300.000	0.34	30230.00	100.0	30200.0	90	110
CCB2	1	PASS	-115.700	-84.520	-146.900	38.14	-115.700				+/-5000.00
Quality Control and Field Samples											
830642X5	1	PASS	35710.000	35610.000	35820.000	0.43	35700				

Sample Name: CalibStd-Blk Acquired: 5/24/2010 19:40:25 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0067	-.0002	.0005	.0004	-.0001
Stddev	.0008	.0003	.0001	.0001	.0002
%RSD	11.52	148.0	29.50	29.78	141.4
#1	-.0062	.0000	.0004	.0005	-.0002
#2	-.0072	-.0005	.0006	.0003	.0000

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0015	.0005	-.0033	-.0041	-.0008
Stddev	.0004	.0012	.0002	.0002	.0003
%RSD	24.90	268.8	4.706	5.287	34.75
#1	-.0018	-.0004	-.0034	-.0043	-.0006
#2	-.0012	.0013	-.0031	-.0040	-.0010

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1140	-.0080	-.0285	.0002	.0010
Stddev	.0011	.0004	.0047	.0007	.0001
%RSD	.9770	4.957	16.38	302.3	12.55
#1	.1132	-.0083	-.0252	-.0003	.0011
#2	.1148	-.0078	-.0318	.0007	.0009

Sample Name: CalibStd-Blk Acquired: 5/24/2010 19:40:25 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0002	-.0392	.0042	-.0003	-.0130
Stddev	.0001	.0023	.0004	.0001	.0013
%RSD	30.96	5.899	9.326	55.52	10.22
#1	-.0002	-.0409	.0039	-.0004	-.0139
#2	-.0003	-.0376	.0045	-.0002	-.0120

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	.0017	.1235	.0002	.0191
Stddev	.0001	.0000	.0016	.0001	.0087
%RSD	37.67	2.178	1.304	84.34	45.58
#1	.0001	.0016	.1246	.0003	.0253
#2	.0002	.0017	.1223	.0001	.0130

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0133	-.0043	-.0093	.0030
Stddev	.0012	.0012	.0008	.0000
%RSD	8.703	28.48	8.462	.2210
#1	-.0125	-.0052	-.0099	.0030
#2	-.0142	-.0035	-.0088	.0030

Analyst: JSW

Sample Name: CalibStd-Blk Acquired: 5/24/2010 19:40:25 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	412.46	3919.6	3966.3	4348.4
Stddev	3.35	11.7	6.8	18.6
%RSD	.81326	.29861	.17092	.42702
#1	410.09	3927.9	3961.5	4361.5
#2	414.83	3911.3	3971.1	4335.3

Sample Name: STD7 Acquired: 5/24/2010 19:44:18 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al-HL	Ca-HL	Fe-LL2	K-LL	Mg-LL
Line	396.152 { 85}	318.128 {106}	271.441 {124}2	766.490 { 44}	279.079 {121}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.728	.8036	8.702	1.948	.9263
Stddev	.003	.0015	.038	.009	.0032
%RSD	.0985	.1926	.4411	.4654	.3447
#1	2.730	.8026	8.729	1.954	.9286
#2	2.726	.8047	8.675	1.941	.9241

Elem	Na-LL
Line	589.592 { 57}
IS Ref	(Y_HWRD)
Units	Cts/S
Avg	6.171
Stddev	.012
%RSD	.1922
#1	6.180
#2	6.163

Int. Std.	Y_HWAX	Y_HWRD
Line	224.306 {150}	371.030 { 91}
Units	Cts/S	Cts/S
Avg	3839.4	4312.6
Stddev	23.7	9.0
%RSD	.61610	.20922
#1	3822.7	4306.2
#2	3856.1	4318.9

Sample Name: STD8 Acquired: 5/24/2010 19:48:09 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As-LL	Pb-LL	Sb-LL	Se-LL	Sn1899-2
Line	189.042 {479}	220.353 {453}	206.833 {463}	196.090 {472}	189.989 {477}2
IS Ref	(Y_-LWAX)	(In2306)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0653	3.072	.0772	.0499	.1817
Stddev	.0001	.002	.0000	.0001	.0001
%RSD	.1224	.0792	.0189	.2387	.0584
#1	.0652	3.074	.0772	.0500	.1817
#2	.0653	3.071	.0772	.0499	.1818

Elem	Tl-LL
Line	190.856 {477}
IS Ref	(In2306)
Units	Cts/S
Avg	.9762
Stddev	.0021
%RSD	.2189
#1	.9777
#2	.9747

Int. Std.	In2306	Y_-LWAX
Line	230.606 {446}	224.306 {450}
Units	Cts/S	Cts/S
Avg	411.12	3990.8
Stddev	.48	6.3
%RSD	.11766	.15848
#1	410.78	3995.3
#2	411.47	3986.4

Sample Name: STD4 Acquired: 5/24/2010 19:52:07 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	B_-LL	Ba-LL	Be-LL	Cd-HL
Line	328.068 {103}2	208.959 {461}	233.527 {144}	313.042 {108}	228.802 {447}
IS Ref	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.237	.3713	.0988	2.472	.9538
Stddev	.001	.0003	.0005	.002	.0007
%RSD	.0443	.0840	.4705	.0642	.0768
#1	2.237	.3711	.0984	2.473	.9533
#2	2.238	.3716	.0991	2.471	.9543

Elem	Co-LL	Cr-LL	Cu-LL	Mn-LL	Mo-LL
Line	228.616 {447}	205.552 {464}	324.754 {104}2	257.610 {131}2	202.030 {467}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_HWAX)	(Y_-LWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.035	1.480	6.612	24.26	.8582
Stddev	.000	.001	.011	.02	.0036
%RSD	.0156	.0394	.1691	.0662	.4205
#1	1.035	1.480	6.604	24.25	.8557
#2	1.035	1.479	6.620	24.27	.8608

Elem	Ni-LL	P_-HL	Si-LL	Sr-LL	Ti-LL
Line	231.604 {445}	178.284 {489}	288.158 {117}	407.771 { 83}	334.904 {101}2
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWAX)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.6025	.0849	4.408	72.25	5.227
Stddev	.0008	.0000	.004	.77	.009
%RSD	.1368	.0312	.0963	1.070	.1617
#1	.6019	.0849	4.411	72.80	5.221
#2	.6031	.0849	4.405	71.70	5.233

Sample Name: STD4 Acquired: 5/24/2010 19:52:07 Type: Cal
Method: 6010B(v54) Mode: IR 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	Cts/S	Cts/S
Avg	3.198	3.479
Stddev	.005	.006
%RSD	.1439	.1693
#1	3.195	3.475
#2	3.201	3.483

Int. Std.	Y_HWAX	Y_-LWAX	Y_HWRD
Line	224.306 {150}	224.306 {450}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3902.8	3959.1	4376.8
Stddev	9.2	3.4	41.7
%RSD	.23697	.08593	.95255
#1	3909.3	3956.7	4347.3
#2	3896.3	3961.5	4406.2

Sample Name: ICV Acquired: 5/24/2010 19:56:07 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	507.3	26620.	270.3	516.0	491.4
Stddev	.2	1.	3.6	2.2	3.0
%RSD	.0435	.0031	1.340	.4281	.6181
#1	507.2	26620.	272.9	514.4	493.5
#2	507.5	26620.	267.8	517.6	489.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	519.9	25940.	501.3	497.1	501.4
Stddev	1.1	191.	.1	1.4	.8
%RSD	.2053	.7365	.0175	.2816	.1503
#1	520.6	26070.	501.2	496.1	501.9
#2	519.1	25800.	501.4	498.1	500.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICV Acquired: 5/24/2010 19:56:07 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	494.8	26540.	26300.	25430.	490.4
Stddev	1.8	8.	175.	36.	.1
%RSD	.3586	.0305	.6658	.1401	.0168
#1	493.5	26530.	26420.	25400.	490.4
#2	496.0	26540.	26180.	25450.	490.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	531.0	25680.	484.7	528.9	1021.
Stddev	2.3	56.	.5	.5	1.
%RSD	.4252	.2182	.0952	.1000	.1026
#1	529.4	25720.	484.4	528.5	1020.
#2	532.6	25640.	485.1	529.2	1022.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICV Acquired: 5/24/2010 19:56:07 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	261.4	263.7	274.0	252.5	505.8
Stddev	.9	1.4	4.7	2.2	2.8
%RSD	.3398	.5324	1.722	.8710	.5478
#1	262.1	264.7	277.3	251.0	507.8
#2	260.8	262.7	270.7	254.1	503.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	518.4	255.4	519.7	515.4
Stddev	.9	3.0	.9	.1
%RSD	.1680	1.179	.1695	.0191
#1	517.8	253.2	520.3	515.3
#2	519.0	257.5	519.0	515.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICV Acquired: 5/24/2010 19:56:07 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	393.87	3857.0	3904.9	4363.9
Stddev	.32	4.9	2.6	20.5
%RSD	.08033	.12646	.06752	.47025
#1	393.65	3853.5	3906.8	4349.4
#2	394.10	3860.4	3903.1	4378.4

Sample Name: ICB Acquired: 5/24/2010 20:00:02 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2054	-59.49	.1806	.9507	-.7642
Stddev	.0691	21.72	2.153	1.186	.4245
%RSD	33.65	36.51	1192.	124.7	55.54
#1	.1565	-44.13	-1.342	1.789	-1.064
#2	.2543	-74.85	1.703	.1121	-.4641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3872	6.409	.0477	.4403	.0981
Stddev	.1995	26.73	.2464	.1043	.0173
%RSD	51.53	417.1	517.0	23.69	17.66
#1	.2461	25.31	.2219	.5140	.0858
#2	.5283	-12.49	-.1266	.3665	.1103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB Acquired: 5/24/2010 20:00:02 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3124	-6.402	-33.65	-21.23	.1872
Stddev	.7313	11.73	52.69	6.90	.0558
%RSD	234.1	183.2	156.6	32.51	29.81
#1	.2048	1.891	3.613	-16.35	.1477
#2	-.8295	-14.69	-70.90	-26.11	.2267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.691	-7.032	-.1296	-.8180	-.9662
Stddev	.279	41.93	.5839	1.427	.3409
%RSD	10.38	596.4	450.6	174.5	35.28
#1	2.889	-36.68	-.5425	.1912	-.7251
#2	2.494	22.62	.2833	-1.827	-1.207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICB Acquired: 5/24/2010 20:00:02 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5632	2.631	-1.912	.1885	.1201
Stddev	.5185	2.058	.690	.3506	.0257
%RSD	92.08	78.24	36.10	186.0	21.37
#1	.1965	4.086	-1.424	.4364	.1020
#2	.9298	1.175	-2.401	-.0594	.1382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.7154	-1.396	.5931	.0322
Stddev	.7392	2.999	.1678	.0169
%RSD	103.3	214.8	28.29	52.45
#1	.1927	.7246	.4745	.0442
#2	1.238	-3.517	.7118	.0203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICB Acquired: 5/24/2010 20:00:02 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	410.83	3878.9	3968.5	4334.1
Stddev	4.11	3.6	20.6	28.2
%RSD	1.0002	.09235	.51966	.64967
#1	407.93	3876.4	3953.9	4314.1
#2	413.74	3881.5	3983.1	4354.0

UCL 5634.33
LCL 3033.87

Sample Name: CRI Acquired: 5/24/2010 20:03:58 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	7.878	175.1	11.11	F 1.151	199.0
Stddev	.897	7.5	3.77	.137	10.2
%RSD	11.39	4.297	33.88	11.89	5.103
#1	8.512	180.4	8.451	1.248	191.8
#2	7.244	169.8	13.78	1.054	206.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.416	5391.	4.988	51.71	10.76
Stddev	.141	60.	.519	.30	.02
%RSD	2.606	1.105	10.41	.5720	.2221
#1	5.516	5434.	4.621	51.50	10.78
#2	5.316	5349.	5.355	51.92	10.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 5/24/2010 20:03:58 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	25.24	101.0	5535.	5449.	15.59
Stddev	.26	11.6	26.	40.	.06
%RSD	1.026	11.49	.4713	.7349	.4014
#1	25.42	109.2	5553.	5477.	15.54
#2	25.06	92.77	5516.	5420.	15.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F .6917	5431.	40.35	F -2.333	11.38
Stddev	.0803	3.	.10	.328	.22
%RSD	11.61	.0610	.2395	14.07	1.909
#1	.7485	5433.	40.42	-2.101	11.23
#2	.6349	5429.	40.28	-2.565	11.54
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	15.00			375.0	
Low Limit	5.000			125.0	

Sample Name: CRI Acquired: 5/24/2010 20:03:58 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	58.71	41.49	F -.7936	F -.1631	F .1703
Stddev	.05	2.60	4.523	.0161	.0353
%RSD	.0842	6.274	569.9	9.861	20.74
#1	58.75	39.65	2.404	-.1744	.1453
#2	58.68	43.33	-3.992	-.1517	.1953
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit			300.0	30.00	30.00
Low Limit			100.0	10.00	10.00

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	F .9549	26.21	51.94	63.43
Stddev	.1899	.14	.01	.05
%RSD	19.89	.5200	.0110	.0812
#1	.8206	26.11	51.95	63.47
#2	1.089	26.30	51.94	63.40
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 5/24/2010 20:03:58 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	406.57	3898.4	3960.7	4342.2
Stddev	3.24	7.6	12.8	19.1
%RSD	.79709	.19614	.32283	.44017
#1	408.86	3903.8	3969.7	4355.8
#2	404.28	3893.0	3951.6	4328.7

Sample Name: ICSA Acquired: 5/24/2010 20:07:50 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.144	247500.	3.390	1.545	1.277
Stddev	.059	29.	2.369	.408	6.236
%RSD	5.134	.0119	69.86	26.41	488.1
#1	-1.102	247500.	1.716	1.257	-3.132
#2	-1.185	247500.	5.065	1.834	5.687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0591	245700.	1.095	1.217	-.0997
Stddev	.1299	41.	.164	.475	.1549
%RSD	219.7	.0167	14.97	39.02	155.4
#1	.1509	245600.	.9788	1.553	-.2092
#2	-.0327	245700.	1.211	.8816	.0098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/24/2010 20:07:50 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.4908	98490.	-124.6	242600.	-2.067
Stddev	.2013	8.	61.2	375.	.145
%RSD	41.01	.0079	49.13	.1544	7.037
#1	-.3485	98490.	-167.8	242900.	-2.169
#2	-.6331	98500.	-81.29	242400.	-1.964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1984	-3.594	-4.319	-1.871	.4815
Stddev	.1762	1.860	.307	2.725	.9071
%RSD	88.82	51.74	7.112	145.7	188.4
#1	.3230	-4.909	-4.536	.0562	1.123
#2	.0738	-2.279	-4.102	-3.798	-.1599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/24/2010 20:07:50 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-3.971	1.266	4.832	.0238	2.536
Stddev	.447	6.875	.679	1.140	.008
%RSD	11.26	543.0	14.06	4790.	.3248
#1	-4.287	6.128	4.352	.8297	2.542
#2	-3.655	-3.595	5.312	-.7821	2.531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	3.656	4.527	-3.029	-1.283
Stddev	.571	1.396	.197	.092
%RSD	15.61	30.84	6.495	7.191
#1	3.252	5.514	-3.168	-1.348
#2	4.059	3.540	-2.889	-1.218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 5/24/2010 20:07:50 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	369.48	3709.0	3757.5	4223.2
Stddev	.64	2.1	2.9	11.1
%RSD	.17276	.05761	.07701	.26174
#1	369.03	3710.5	3755.4	4231.0
#2	369.93	3707.5	3759.5	4215.4

Sample Name: ICSAB Acquired: 5/24/2010 20:11:40 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	208.5	256300.	F 108.6	F -.1065	487.1
Stddev	.2	979.	.6	.5666	10.5
%RSD	.0831	.3818	.5531	531.8	2.150
#1	208.6	255600.	109.0	-.5072	494.5
#2	208.4	257000.	108.2	.2941	479.7
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			240.0	1800.	
Low Limit			160.0	1200.	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 {447}	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	512.0	253900.	991.2	475.7	487.5
Stddev	1.7	900.	.9	.3	.8
%RSD	.3234	.3544	.0881	.0545	.1594
#1	510.8	253200.	990.6	475.9	487.0
#2	513.2	254500.	991.8	475.5	488.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 5/24/2010 20:11:40 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	517.9	F 102600.	-140.9	W 250900.	481.5
Stddev	1.7	126.	90.7	769.	.8
%RSD	.3321	.1225	64.37	.3066	.1596
#1	519.1	102700.	-205.1	250300.	482.0
#2	516.7	102500.	-76.78	251400.	481.0
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		240.0		250000.	
Low Limit		160.0		200000.	

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -.0158	-6.323	923.7	F -2.349	55.12
Stddev	.4160	16.66	1.3	2.425	1.19
%RSD	2632.	263.5	.1406	103.2	2.163
#1	.2784	-18.10	922.8	-4.064	55.96
#2	-.3100	5.457	924.7	-.6347	54.28
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	1200.			600.0	
Low Limit	800.0			400.0	

Sample Name: ICSAB Acquired: 5/24/2010 20:11:40 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	605.6	51.71	9.021	-1.088	2.528
Stddev	1.1	.71	4.427	.474	.038
%RSD	.1856	1.377	49.07	43.63	1.499
#1	604.8	51.20	12.15	-1.423	2.554
#2	606.4	52.21	5.891	-.7522	2.501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	512.2	103.3	506.5	995.0
Stddev	.6	3.1	1.1	1.4
%RSD	.1251	3.020	.2128	.1449
#1	512.7	101.1	507.3	994.0
#2	511.8	105.5	505.7	996.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 5/24/2010 20:11:40 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	366.86	3647.9	3710.3	4206.9
Stddev	.91	20.0	2.9	4.8
%RSD	.24718	.54802	.07720	.11469
#1	367.50	3633.8	3708.3	4203.5
#2	366.22	3662.0	3712.3	4210.3

Sample Name: CCV Acquired: 5/24/2010 20:15:29 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	100.8	30440.	104.3	731.8	193.8
Stddev	1.1	43.	.9	.3	2.0
%RSD	1.114	.1398	.8762	.0393	1.039
#1	101.5	30470.	103.7	732.0	192.3
#2	99.96	30410.	105.0	731.6	195.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	101.4	30180.	100.4	195.1	197.8
Stddev	.1	120.	.0	.0	.3
%RSD	.1072	.3964	.0040	.0256	.1274
#1	101.3	30260.	100.4	195.2	197.6
#2	101.5	30100.	100.4	195.1	198.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 20:15:29 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	195.6	30710.	30230.	30600.	193.7
Stddev	1.5	25.	35.	128.	.3
%RSD	.7877	.0823	.1147	.4169	.1519
#1	194.5	30690.	30260.	30690.	193.5
#2	196.7	30720.	30210.	30510.	193.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	202.9	30470.	191.0	203.7	399.8
Stddev	1.2	87.	.0	2.2	3.7
%RSD	.5933	.2860	.0188	1.092	.9273
#1	202.0	30530.	191.1	202.1	397.1
#2	203.7	30400.	191.0	205.2	402.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 20:15:29 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	303.5	106.1	1022.	198.9	307.5
Stddev	3.3	.9	1.	1.0	.8
%RSD	1.089	.8919	.1261	.5133	.2747
#1	301.2	105.5	1023.	198.2	308.1
#2	305.9	106.8	1021.	199.6	306.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	404.9	104.2	202.9	201.5
Stddev	1.0	1.5	1.0	.0
%RSD	.2463	1.461	.4756	.0147
#1	404.2	103.1	202.2	201.5
#2	405.6	105.3	203.6	201.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/24/2010 20:15:29 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	391.52	3826.5	3888.4	4281.6
Stddev	.84	5.3	7.6	40.0
%RSD	.21553	.13804	.19459	.93477
#1	392.12	3822.7	3883.1	4253.3
#2	390.92	3830.2	3893.8	4309.9

Sample Name: CCB Acquired: 5/24/2010 20:19:16 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3960	64.03	2.466	.6311	.8796
Stddev	.6348	9.92	.741	1.357	3.226
%RSD	160.3	15.49	30.05	215.1	366.7
#1	.0529	71.04	2.990	1.591	3.160
#2	-.8449	57.01	1.942	-.3287	-1.401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4062	108.1	-.1978	.5381	.1401
Stddev	.0835	35.6	.1403	.2350	.0285
%RSD	20.55	32.94	70.95	43.67	20.34
#1	.4652	82.91	-.0985	.7043	.1200
#2	.3472	133.3	-.2970	.3720	.1603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 20:19:16 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5789	27.85	-97.97	57.40	.2111
Stddev	.1386	2.68	60.22	2.54	.0293
%RSD	23.94	9.637	61.46	4.427	13.89
#1	-.4809	25.95	-140.6	59.20	.2319
#2	-.6769	29.75	-55.39	55.60	.1904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.139	3.626	.9594	-1.708	2.545
Stddev	.429	8.158	.0505	1.212	.720
%RSD	37.70	225.0	5.262	71.00	28.27
#1	1.443	-2.142	.9237	-2.565	2.037
#2	.8354	9.394	.9951	-.8503	3.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 20:19:16 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0585	2.994	-4.129	.2996	.1638
Stddev	.1643	1.201	.491	1.058	.0066
%RSD	280.7	40.11	11.89	353.3	4.039
#1	.0576	2.145	-4.476	-.4488	.1685
#2	-.1747	3.843	-3.781	1.048	.1591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.8556	.5743	.8271	.1676
Stddev	.1844	2.478	.0854	.0387
%RSD	21.56	431.4	10.33	23.11
#1	.9860	-1.178	.8875	.1402
#2	.7252	2.326	.7667	.1950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/24/2010 20:19:16 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	407.84	3904.0	3945.0	4311.1
Stddev	.31	7.7	3.4	36.3
%RSD	.07607	.19664	.08510	.84273
#1	408.06	3898.6	3942.6	4285.4
#2	407.62	3909.5	3947.4	4336.8

Sample Name: 830642X5 Acquired: 5/24/2010 20:23:11 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.990	137.0	2.262	17.35	-3.224
Stddev	.658	9.5	.284	.05	.446
%RSD	33.06	6.931	12.56	.3120	13.83
#1	-2.456	143.7	2.061	17.39	-3.540
#2	-1.525	130.3	2.463	17.31	-2.909
Check ?	None	None	None	None	None
Value					
Range					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0306	3694.	.0164	.3738	10.69
Stddev	.0916	41.	.3001	.1687	.16
%RSD	299.6	1.123	1833.	45.14	1.509
#1	-.0953	3723.	-.1958	.2545	10.58
#2	.0342	3664.	.2285	.4931	10.81
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830642X5 Acquired: 5/24/2010 20:23:11 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.1892	.4860	35710.	1186.	10890.
Stddev	.0335	1.777	154.	7.	33.
%RSD	17.69	365.6	.4297	.5550	.2987
#1	-.2129	1.742	35610.	1190.	10870.
#2	-.1655	-.7704	35820.	1181.	10920.
Check ?	None	None	None	None	None
Value					
Range					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	2.727	3956.	.3354	9.237	1.656
Stddev	.255	6.	1.408	.599	2.077
%RSD	9.367	.1483	419.8	6.487	125.5
#1	2.907	3960.	1.331	8.813	3.124
#2	2.546	3952.	-.6601	9.660	.1867
Check ?	None	None	None	None	None
Value					
Range					

Sample Name: 830642X5 Acquired: 5/24/2010 20:23:11 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-1.814	2.748	2234.	.4202	10.07
Stddev	2.482	1.417	5.	.6352	.02
%RSD	136.9	51.56	.2202	151.2	.2002
#1	-.0585	3.751	2230.	-.0290	10.08
#2	-3.569	1.746	2237.	.8694	10.06
Check ?	None	None	None	None	None
Value					
Range					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.4403	-5.075	1.934	2.954
Stddev	.0104	.519	1.237	.056
%RSD	2.364	10.22	63.93	1.901
#1	.4476	-4.708	1.060	2.994
#2	.4329	-5.441	2.809	2.915
Check ?	None	None	None	None
Value				
Range				

Sample Name: 830642X5 Acquired: 5/24/2010 20:23:11 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	404.09	3900.4	3949.0	4316.4
Stddev	1.85	12.2	3.6	29.4
%RSD	.45884	.31235	.09224	.68181
#1	405.40	3891.8	3951.6	4295.6
#2	402.77	3909.0	3946.4	4337.2

Sample Name: CRI Acquired: 5/24/2010 20:27:11 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	{Y_HWAX}	{Y_HWRD}	(Y_-LWAX)	{Y_-LWAX}	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	8.182	207.6	9.792	F .3734	196.9
Stddev	.110	65.5	1.193	.9700	5.9
%RSD	1.341	31.54	12.18	259.8	3.010
#1	8.104	161.3	10.64	1.059	192.7
#2	8.259	253.9	8.949	-.3125	201.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				150.0	
Low Limit				50.00	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	{Y_HWRD}	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	5.237	5471.	5.144	51.45	10.57
Stddev	.175	68.	.257	.14	.04
%RSD	3.345	1.241	4.987	.2796	.3571
#1	5.361	5423.	5.325	51.55	10.55
#2	5.113	5519.	4.963	51.35	10.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CRI Acquired: 5/24/2010 20:27:11 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	24.46	118.7	5562.	5326.	17.76
Stddev	.31	8.4	8.	13.	.87
%RSD	1.281	7.046	.1359	.2462	4.884
#1	24.69	112.7	5567.	5316.	18.37
#2	24.24	124.6	5557.	5335.	17.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F .4073	5458.	40.81	F -.6333	10.27
Stddev	.1269	16.	.07	1.894	.80
%RSD	31.15	.2951	.1831	299.1	7.806
#1	.4970	5446.	40.87	.7059	9.705
#2	.3176	5469.	40.76	-1.973	10.84
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	15.00			375.0	
Low Limit	5.000			125.0	

Sample Name: CRI Acquired: 5/24/2010 20:27:11 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	{Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	63.55	36.75	F 3.795	F -.6694	F .1207
Stddev	.01	1.62	4.509	.4957	.0146
%RSD	.0126	4.415	118.8	74.04	12.12
#1	63.55	37.89	6.983	-1.020	.1311
#2	63.56	35.60	.6061	-.3189	.1104
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit			300.0	30.00	30.00
Low Limit			100.0	10.00	10.00

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	{In2306}	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	F .2917	24.84	51.76	63.20
Stddev	.0243	1.79	.05	.13
%RSD	8.331	7.194	.0920	.2106
#1	.2745	23.58	51.73	63.11
#2	.3089	26.11	51.80	63.29
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	30.00			
Low Limit	10.00			

Sample Name: CRI Acquired: 5/24/2010 20:27:11 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	407.39	3915.2	3948.8	4324.1
Stddev	.12	2.2	4.2	17.9
%RSD	.03031	.05688	.10514	.41422
#1	407.30	3913.6	3945.8	4336.7
#2	407.48	3916.8	3951.7	4311.4

Sample Name: ICSA Acquired: 5/24/2010 20:31:03 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.5211	248100.	1.528	.1900	-.7012
Stddev	.1222	756.	.333	.4640	.9207
%RSD	23.45	.3048	21.77	244.2	131.3
#1	-.6075	248700.	1.293	-.1381	-.0502
#2	-.4347	247600.	1.763	.5181	-1.352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0964	246500.	.6982	1.346	-.0588
Stddev	.0085	703.	.0518	.228	.0156
%RSD	8.767	.2852	7.424	16.91	26.58
#1	.1024	247000.	.7348	1.507	-.0698
#2	.0904	246000.	.6615	1.185	-.0477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/24/2010 20:31:03 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3174	98860.	-94.67	243100.	-1.845
Stddev	1.233	357.	104.7	801.	.134
%RSD	388.4	.3611	110.5	.3295	7.257
#1	-1.189	99110.	-20.67	243700.	-1.940
#2	.5544	98610.	-168.7	242500.	-1.750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.3903	10.01	-4.308	-.2094	3.192
Stddev	.3030	.49	.085	3.034	2.152
%RSD	77.63	4.876	1.979	1449.	67.44
#1	-.1761	10.36	-4.247	-2.355	4.714
#2	-.6046	9.667	-4.368	1.936	1.670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSA Acquired: 5/24/2010 20:31:03 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-6.234	.9420	10.54	-1.937	2.497
Stddev	.081	4.823	.24	.926	.004
%RSD	1.294	512.0	2.244	47.81	.1508
#1	-6.291	-2.468	10.70	-1.282	2.500
#2	-6.177	4.352	10.37	-2.592	2.495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	3.323	2.157	-3.016	-1.719
Stddev	.063	1.035	.579	.044
%RSD	1.907	48.00	19.21	2.547
#1	3.368	2.889	-3.425	-1.750
#2	3.278	1.425	-2.606	-1.688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 5/24/2010 20:31:03 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	370.84	3684.8	3743.0	4211.9
Stddev	2.29	14.4	5.6	25.2
%RSD	.61873	.39072	.15016	.59946
#1	372.47	3674.6	3747.0	4194.0
#2	369.22	3694.9	3739.0	4229.7

Sample Name: ICSAB Acquired: 5/24/2010 20:34:53 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	206.7	255500.	F 109.1	F -.9669	481.4
Stddev	1.3	1112.	2.9	.3434	2.8
%RSD	.6330	.4351	2.690	35.52	.5840
#1	205.8	256300.	107.1	-.7241	479.4
#2	207.7	254700.	111.2	-1.210	483.4
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			240.0	1800.	
Low Limit			160.0	1200.	

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	508.9	252900.	988.5	475.1	484.7
Stddev	2.2	996.	.3	.6	.3
%RSD	.4369	.3939	.0353	.1284	.0686
#1	510.5	253600.	988.7	475.5	484.5
#2	507.3	252200.	988.2	474.7	485.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: ICSAB Acquired: 5/24/2010 20:34:53 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	514.2	F 101800.	-130.8	249800.	479.1
Stddev	.6	11.	36.5	1053.	.4
%RSD	.1138	.0110	27.91	.4216	.0938
#1	514.6	101800.	-105.0	250500.	479.4
#2	513.8	101700.	-156.7	249000.	478.8
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		240.0			
Low Limit		160.0			

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	F -.5295	19.23	921.2	F -.0918	51.59
Stddev	.1531	31.08	1.6	2.505	1.79
%RSD	28.91	161.6	.1711	2729.	3.466
#1	-.6377	-2.744	920.1	-1.863	50.33
#2	-.4212	41.21	922.3	1.680	52.86
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	1200.			600.0	
Low Limit	800.0			400.0	

Sample Name: ICSAB Acquired: 5/24/2010 20:34:53 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	604.0	52.33	9.154	-1.174	2.545
Stddev	2.0	3.37	.680	.526	.006
%RSD	.3258	6.436	7.426	44.83	.2374
#1	602.6	49.95	9.634	-1.547	2.549
#2	605.4	54.71	8.673	-.8020	2.541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	510.0	103.3	503.0	990.4
Stddev	.2	3.0	1.1	2.5
%RSD	.0436	2.950	.2226	.2496
#1	509.8	101.2	503.8	988.6
#2	510.2	105.5	502.3	992.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 5/24/2010 20:34:53 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	369.35	3685.0	3736.9	4222.8
Stddev	.20	26.5	6.1	35.2
%RSD	.05413	.71887	.16436	.83340
#1	369.49	3666.2	3732.6	4197.9
#2	369.20	3703.7	3741.2	4247.7

Sample Name: CCV Acquired: 5/24/2010 20:38:42 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 (103)2	396.152 (85)	189.042 (479)	208.959 (461)	233.527 (144)
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	98.55	30240.	105.2	730.4	189.9
Stddev	.66	16.	.2	.9	3.0
%RSD	.6733	.0538	.1503	.1224	1.588
#1	98.09	30250.	105.3	729.8	192.0
#2	99.02	30230.	105.1	731.1	187.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 (108)	318.128 (106)	228.802 (447)	228.616 (447)	205.552 (464)
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	101.4	30110.	100.1	194.5	196.9
Stddev	.2	57.	.5	.6	.1
%RSD	.1878	.1890	.5442	.2875	.0398
#1	101.5	30070.	99.76	194.2	196.8
#2	101.2	30150.	100.5	194.9	196.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 20:38:42 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 (104)2	271.441 (124)2	766.490 (44)	279.079 (121)	257.610 (131)2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	192.7	30470.	30230.	30450.	192.3
Stddev	.3	32.	102.	75.	.6
%RSD	.1748	.1063	.3375	.2446	.2867
#1	192.5	30450.	30160.	30400.	191.9
#2	193.0	30500.	30300.	30510.	192.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 (467)	589.592 (57)	231.604 (445)	178.284 (489)	220.353 (453)
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	202.0	30390.	189.3	201.5	399.3
Stddev	1.6	52.	1.3	2.4	3.0
%RSD	.7903	.1699	.6743	1.168	.7545
#1	200.9	30360.	188.4	199.9	401.4
#2	203.1	30430.	190.2	203.2	397.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCV Acquired: 5/24/2010 20:38:42 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 (463)	196.090 (472)	288.158 (117)	189.989 (477)2	407.771 (83)
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	299.4	99.87	1015.	198.9	306.4
Stddev	.6	1.89	3.	.1	1.8
%RSD	.1969	1.897	.2627	.0452	.5711
#1	299.0	101.2	1013.	198.9	307.6
#2	299.8	98.53	1017.	199.0	305.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 (101)2	190.856 (477)	292.402 (115)2	213.856 (458)
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	401.4	101.5	202.4	200.3
Stddev	.2	.8	.9	.1
%RSD	.0522	.7391	.4657	.0474
#1	401.6	101.0	201.8	200.2
#2	401.3	102.0	203.1	200.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV Acquired: 5/24/2010 20:38:42 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	394.85	3844.4	3911.9	4288.4
Stddev	4.68	12.9	.9	17.2
%RSD	1.1850	.33469	.02338	.40182
#1	391.55	3853.5	3912.5	4276.2
#2	398.16	3835.3	3911.2	4300.6

Sample Name: CCB Acquired: 5/24/2010 20:42:32 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag-LL	Al-HL	As-LL	B_-LL	Ba-LL
Line	328.068 {103}2	396.152 { 85}	189.042 {479}	208.959 {461}	233.527 {144}
IS Ref	(Y_HWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3359	20.89	1.619	1.158	-2.290
Stddev	.8908	17.59	1.699	.483	.262
%RSD	265.2	84.19	104.9	41.70	11.45
#1	.9658	33.32	.4176	1.499	-2.105
#2	-.2940	8.454	2.820	.8166	-2.476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Be-LL	Ca-HL	Cd-HL	Co-LL	Cr-LL
Line	313.042 {108}	318.128 {106}	228.802 {447}	228.616 {447}	205.552 {464}
IS Ref	(Y_HWRD)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.1594	35.97	.1743	.2560	.3483
Stddev	.1462	13.93	.2989	.0726	.0250
%RSD	91.78	38.73	171.5	28.38	7.170
#1	.0559	26.12	-.0371	.3073	.3307
#2	.2628	45.83	.3856	.2046	.3660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 20:42:32 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Cu-LL	Fe-LL2	K-LL	Mg-LL	Mn-LL
Line	324.754 {104}2	271.441 {124}2	766.490 { 44}	279.079 {121}	257.610 {131}2
IS Ref	(Y_HWAX)	(Y_HWAX)	(Y_HWRD)	(Y_HWRD)	(Y_HWAX)
Units	ppb	ppb	ppb	ppb	ppb
Avg	-.0765	16.85	-115.7	65.44	.2105
Stddev	.4098	18.89	44.1	15.49	.0026
%RSD	535.9	112.1	38.14	23.67	1.240
#1	-.3663	3.493	-84.52	76.40	.2086
#2	.2133	30.21	-146.9	54.49	.2123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Mo-LL	Na-LL	Ni-LL	P_-HL	Pb-LL
Line	202.030 {467}	589.592 { 57}	231.604 {445}	178.284 {489}	220.353 {453}
IS Ref	(Y_-LWAX)	(Y_HWRD)	(Y_-LWAX)	(Y_-LWAX)	(In2306)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1.153	9.712	.5609	-1.722	.3171
Stddev	.209	10.65	.0888	.128	.5447
%RSD	18.17	109.7	15.84	7.411	171.8
#1	1.005	17.24	.4981	-1.813	-.0681
#2	1.301	2.182	.6237	-1.632	.7022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Sample Name: CCB Acquired: 5/24/2010 20:42:32 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb-LL	Se-LL	Si-LL	Sn1899-2	Sr-LL
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}2	407.771 { 83}
IS Ref	(Y_-LWAX)	(Y_-LWAX)	(Y_HWAX)	(Y_-LWAX)	(Y_HWRD)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.2402	6.302	-2.211	.0632	.1505
Stddev	.4674	.258	1.517	1.086	.0093
%RSD	194.6	4.101	68.60	1718.	6.174
#1	.5707	6.119	-1.139	.8308	.1571
#2	-.0904	6.484	-3.284	-.7044	.1440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Ti-LL	Tl-LL	V_-LL	Zn-LL2
Line	334.904 {101}2	190.856 {477}	292.402 {115}2	213.856 {458}
IS Ref	(Y_HWAX)	(In2306)	(Y_HWAX)	(Y_-LWAX)
Units	ppb	ppb	ppb	ppb
Avg	.5753	.3771	.6819	.0373
Stddev	.0546	.6196	.1115	.1040
%RSD	9.491	164.3	16.36	279.3
#1	.5367	.8152	.6030	.1108
#2	.6139	-.0610	.7608	-.0363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB Acquired: 5/24/2010 20:42:32 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	410.10	3909.1	3970.4	4317.2
Stddev	3.13	6.9	.1	18.2
%RSD	.76243	.17646	.00223	.42045
#1	412.31	3914.0	3970.5	4330.0
#2	407.89	3904.2	3970.4	4304.4

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Mercury Analysis

TestAmerica Burlington

Runlog Review Report

Analyzed by: ALS Date: 5/27/2010
Reviewed by: AS Date: 5/27/10
QC Review by: BAA Date: 05/28/10

Leeman Hydra AA (2)
Mercury ILM05.3/4

QC use: Cal#: Prep# Inst#:

Seq	Sample ID	Analysis Date	Time	DF	Matrix	Data File	Prep Batch	Analyst Comments
1	Std01Rep1	5/27/2010	13:29	1	WATER	052710AA.PRN		Hg.
2	Std02Rep1	5/27/2010	13:31	1	WATER	052710AA.PRN		
3	Std03Rep1	5/27/2010	13:33	1	WATER	052710AA.PRN		
4	Std04Rep1	5/27/2010	13:35	1	WATER	052710AA.PRN		
5	Std05Rep1	5/27/2010	13:38	1	WATER	052710AA.PRN		
6	Std06Rep1	5/27/2010	13:40	1	WATER	052710AA.PRN		
7	ICV1	5/27/2010	13:42	1	WATER	052710AA.PRN		
8	ICB1	5/27/2010	13:44	1	WATER	052710AA.PRN		
9	CRDL1	5/27/2010	13:46	1	WATER	052710AA.PRN		
10	CCV1	5/27/2010	13:48	1	WATER	052710AA.PRN		
11	CCB1	5/27/2010	13:51	1	WATER	052710AA.PRN		
12	PBW052610A	5/27/2010	13:54	1	WATER	052710AA.PRN	PBHGW05261	
13	LCSW052610A	5/27/2010	13:56	1	WATER	052710AA.PRN	PBHGW05261	
14	830640	5/27/2010	13:58	1	WATER	052710AA.PRN	PBHGW05261	
15	830641	5/27/2010	13:59	1	WATER	052710AA.PRN	PBHGW05261	
16	830642	5/27/2010	14:02	1	WATER	052710AA.PRN	PBHGW05261	
17	830643	5/27/2010	14:04	1	WATER	052710AA.PRN	PBHGW05261	
18	830644	5/27/2010	14:06	1	WATER	052710AA.PRN	PBHGW05261	
19	830645	5/27/2010	14:08	1	WATER	052710AA.PRN	PBHGW05261	
20	830273	5/27/2010	14:10	1	WATER	052710AA.PRN	PBHGW05261	
21	CCV2	5/27/2010	14:12	1	WATER	052710AA.PRN		
22	CCB2	5/27/2010	14:14	1	WATER	052710AA.PRN		
23	830274	5/27/2010	14:16	1	WATER	052710AA.PRN	PBHGW05261	
24	830250	5/27/2010	14:19	1	WATER	052710AA.PRN	PBHGW05261	
25	830251	5/27/2010	14:21	1	WATER	052710AA.PRN	PBHGW05261	
26	830252	5/27/2010	14:24	1	WATER	052710AA.PRN	PBHGW05261	
27	830253	5/27/2010	14:26	1	WATER	052710AA.PRN	PBHGW05261	
28	830354	5/27/2010	14:29	1	WATER	052710AA.PRN	PBHGW05261	
29	830355	5/27/2010	14:31	1	WATER	052710AA.PRN	PBHGW05261	
30	830356	5/27/2010	14:33	1	WATER	052710AA.PRN	PBHGW05261	
31	CRDL2	5/27/2010	14:35	1	WATER	052710AA.PRN		
32	CCV3	5/27/2010	14:37	1	WATER	052710AA.PRN		
33	CCB3	5/27/2010	14:40	1	WATER	052710AA.PRN		
34	830356MS END Run	5/27/2010	14:42	1	WATER	052710AA.PRN	PBHGW05261	
35	830356DP	5/27/2010	14:44	1	WATER	052710AA.PRN	PBHGW05261	
36	830357	5/27/2010	14:45	1	WATER	052710AA.PRN	PBHGW05261	
37	830389	5/27/2010	14:48	1	WATER	052710AA.PRN	PBHGW05261	
38	830390	5/27/2010	14:50	1	WATER	052710AA.PRN	PBHGW05261	
39	830391	5/27/2010	14:52	1	WATER	052710AA.PRN	PBHGW05261	
40	830392	5/27/2010	14:54	1	WATER	052710AA.PRN	PBHGW05261	
41	CRDL3	5/27/2010	14:56	1	WATER	052710AA.PRN		
42	CCV4	5/27/2010	14:57	1	WATER	052710AA.PRN		
43	CCB4	5/27/2010	14:59	1	WATER	052710AA.PRN		

BAA 05/28/10

Analytical Review Report
Data File: 052710AA.PRN

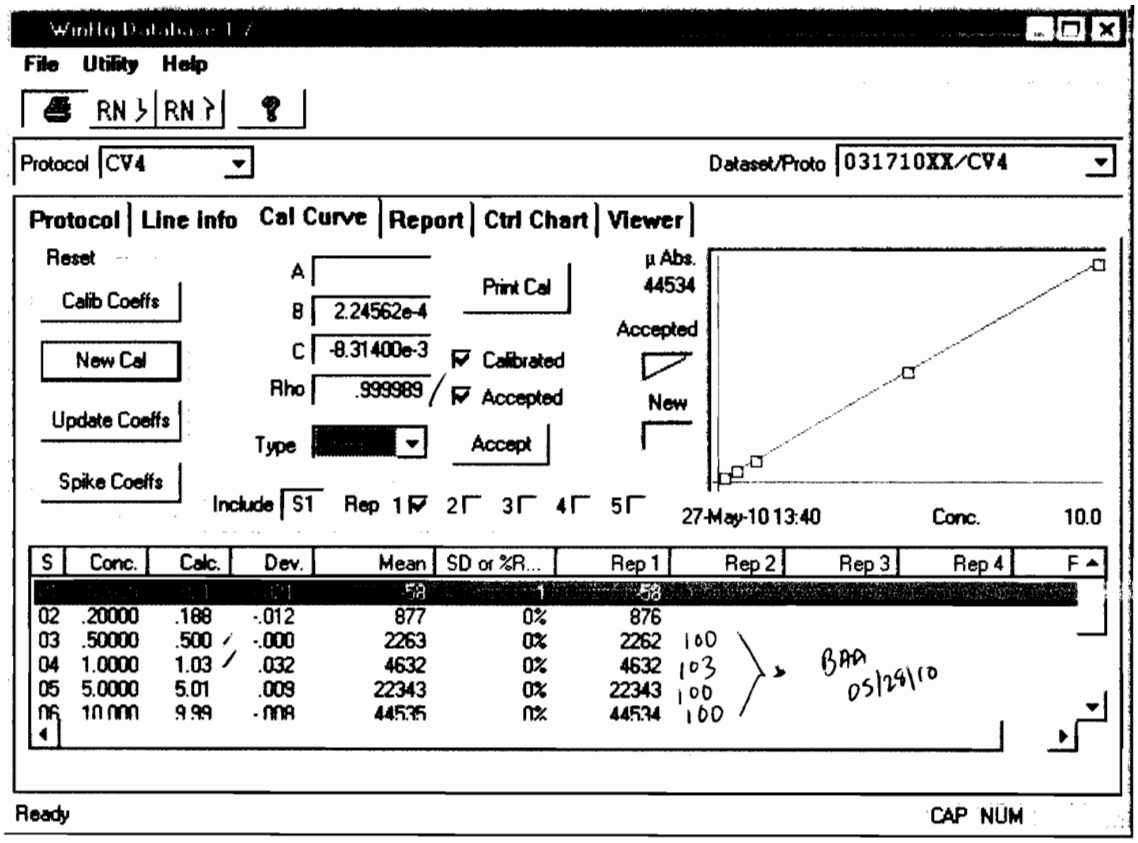
Date Printed: 5/27/10
Truevalue List: HG_ILM05.4

Leeman Hydra AA (2)
Mercury ILM05.3

Analysis Start Date: 5/27/2010 Start Time: 13:29
Analysis End Date: 5/27/2010 End Time: 14:59

Lab Number	Dil	Flag	Raw Avg (ug/L)	Rep1 (ug/L)	Rep2 (ug/L)	%RSD	Conc	Rec	TV	LCL	UCL
Instrument Quality Control Samples											
Std01Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std02Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std03Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std04Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std05Rep1	1		0.000	0.000	0.000	0.00	0.0000				
Std06Rep1	1		0.000	0.000	0.000	0.00	0.0000				
ICV1	1	PASS	2.990	0.000	0.000	0.00	2.99	100.0	3.0	80	120
ICB1	1	PASS	-0.022	0.000	0.000	0.00	-0.022				+/-0.20
CRDL1	1	PASS	0.191	0.000	0.000	0.00	0.19	95.0	0.2	70	130
CCV1	1	PASS	5.150	0.000	0.000	0.00	5.15	103.0	5.0	80	120
CCB1	1	PASS	-0.022	0.000	0.000	0.00	-0.022				+/-0.20
CCV2	1	PASS	5.140	0.000	0.000	0.00	5.14	103.0	5.0	80	120
CCB2	1	PASS	-0.004	0.000	0.000	0.00	-0.004				+/-0.20
CRDL2	1	PASS	0.202	0.000	0.000	0.00	0.20	100.0	0.2	70	130
CCV3	1	PASS	5.210	0.000	0.000	0.00	5.21	104.0	5.0	80	120
CCB3	1	PASS	-0.009	0.000	0.000	0.00	-0.009				+/-0.20
CRDL3	1	PASS	0.180	0.000	0.000	0.00	0.18	90.0	0.2	70	130
CCV4	1	PASS	5.220	0.000	0.000	0.00	5.22	104.0	5.0	80	120
CCB4	1	PASS	-0.041	0.000	0.000	0.00	-0.041				+/-0.20
Quality Control and Field Samples											
PBW052610A	1	PASS	-0.008	0.000	0.000	0.00	-0.008				+/-0.20
LCSW052610A	1	PASS	0.964	0.000	0.000	0.00	0.96	96.0	1.0	80.0	120.0
830640	1	PASS	0.030	0.000	0.000	0.00	0.030				
830641	1	PASS	0.032	0.000	0.000	0.00	0.032				
830642	1	PASS	0.042	0.000	0.000	0.00	0.042				
830643	1	PASS	0.494	0.000	0.000	0.00	0.49				
830644	1	PASS	0.026	0.000	0.000	0.00	0.026				
830645	1	PASS	-0.007	0.000	0.000	0.00	-0.0070				
830273	1	PASS	0.020	0.000	0.000	0.00	0.020				
830274	1	PASS	-0.001	0.000	0.000	0.00	-0.0010				
830250	1	PASS	-0.002	0.000	0.000	0.00	-0.0020				
830251	1	PASS	0.030	0.000	0.000	0.00	0.030				
830252	1	PASS	-0.015	0.000	0.000	0.00	-0.015				
830253	1	PASS	0.033	0.000	0.000	0.00	0.033				
830354	1	PASS	-0.004	0.000	0.000	0.00	-0.0040				
830355	1	PASS	0.106	0.000	0.000	0.00	0.11				
830356	1	PASS	0.014	0.000	0.000	0.00	0.014				
830356MS	1	PASS	1.020	0.000	0.000	0.00	1.0200	102.0	1.00	75	125
830356DP	1	PASS	-0.007	0.000	0.000	0.00	-0.0070				
830357	1	PASS	-0.031	0.000	0.000	0.00	-0.031				
830389	1	PASS	0.022	0.000	0.000	0.00	0.022				
830390	1	PASS	0.044	0.000	0.000	0.00	0.044				
830391	1	PASS	0.043	0.000	0.000	0.00	0.043				
830392	1	PASS	-0.001	0.000	0.000	0.00	-0.0010				

* 0.052
* LLV=10
* BAA052810


File Utility Help
Protocol CV4
Dataset/Proto 031710XX/CV4
Protocol Line Info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 2.24562e-4
C -8.31400e-3
Rho .999989
Type
Print Cal
Calibrated
Accepted
Accept
µ Abs.
44534
Accepted
New
Include S1 Rep 1 2 3 4 5
27-May-10 13:40
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %R... Rep 1 Rep 2 Rep 3 Rep 4 F
02 .20000 .188 -.012 877 0% 876
03 .50000 .500 -.000 2263 0% 2262 100
04 1.0000 1.03 .032 4632 0% 4632 103
05 5.0000 5.01 .009 22343 0% 22343 100
06 10.000 9.99 -.008 44535 0% 44534 100
BAA 05/29/10
Ready
CAP NUM

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 1720	13:29:39 27 May 10				HG
Hg	.000	ppb	-58						
*** Standard: 2 Rep: 1				Seq: 1721	13:31:33 27 May 10				HG
Hg	.200	ppb	876						
*** Standard: 3 Rep: 1				Seq: 1722	13:33:49 27 May 10				HG
Hg	.500	ppb	2262						
*** Standard: 4 Rep: 1				Seq: 1723	13:35:53 27 May 10				HG
Hg	1.00	ppb	4632						
*** Standard: 5 Rep: 1				Seq: 1724	13:38:38 27 May 10				HG
Hg	5.00	ppb	22343						
*** Standard: 6 Rep: 1				Seq: 1725	13:40:33 27 May 10				HG
Hg	10.0	ppb	44534						
*** Sample ID: ICV			052710AA	Seq: 1726	13:42:58 27 May 10				HG
Hg	2.99	ppb	13368						
*** Sample ID: ICB			052710AA	Seq: 1727	13:44:51 27 May 10				HG
Hg	-.022	ppb	-60						
*** Sample ID: CRI			052710AA	Seq: 1728	13:46:54 27 May 10				HG
Hg	.191	ppb	887						
*** Sample ID: CCV			052710AA	Seq: 1729	13:48:50 27 May 10				HG
Hg	5.15	ppb	22974						
*** Sample ID: CCB			052710AA	Seq: 1730	13:51:34 27 May 10				HG
Hg	-.022	ppb	-61						
*** Sample ID: PBW052610A			052710AA	Seq: 1731	13:54:02 27 May 10				HG
Hg	-.008	ppb	0						

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: LCSW052610			052710AA	Seq:	1732	13:56:06 27 May 10			HG
Hg	.964	ppb	4331						
*** Sample ID: 830640			052710AA	Seq:	1733	13:58:05 27 May 10			HG
Hg	.030	ppb	170						
*** Sample ID: 830641			052710AA	Seq:	1734	13:59:58 27 May 10			HG
Hg	.032	ppb	179						
*** Sample ID: 830642			052710AA	Seq:	1735	14:02:12 27 May 10			HG
Hg	.042	ppb	223						
*** Sample ID: 830643			052710AA	Seq:	1736	14:04:19 27 May 10			HG
Hg	.494	ppb	2239						
*** Sample ID: 830644			052710AA	Seq:	1737	14:06:36 27 May 10			HG
Hg	.026	ppb	155						
*** Sample ID: 830645			052710AA	Seq:	1738	14:08:31 27 May 10			HG
Hg	-.007	ppb	5						
*** Sample ID: 830273			052710AA	Seq:	1739	14:10:35 27 May 10			HG
Hg	.020	ppb	124						
*** Sample ID: CCV			052710AA	Seq:	1740	14:12:28 27 May 10			HG
Hg	5.14	ppb	22919						
*** Sample ID: CCB			052710AA	Seq:	1741	14:14:27 27 May 10			HG
Hg	-.004	ppb	18						
*** Sample ID: 830274			052710AA	Seq:	1742	14:16:20 27 May 10			HG
Hg	-.001	ppb	31						
*** Sample ID: 830250			052710AA	Seq:	1743	14:19:19 27 May 10			HG
Hg	-.002	ppb	30						

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 830251			052710AA	Seq: 1744	14:21:35 27 May 10		HG	
Hg	.030	ppb	169					
*** Sample ID: 830252			052710AA	Seq: 1745	14:24:22 27 May 10		HG	
Hg	-.015	ppb	-31					
*** Sample ID: 830253			052710AA	Seq: 1746	14:26:16 27 May 10		HG	
Hg	.033	ppb	185					
*** Sample ID: 830354			052710AA	Seq: 1747	14:29:20 27 May 10		HG	
Hg	-.004	ppb	17					
*** Sample ID: 830355			052710AA	Seq: 1748	14:31:24 27 May 10		HG	
Hg	.106	ppb	511					
*** Sample ID: 830356			052710AA	Seq: 1749	14:33:59 27 May 10		HG	
Hg	.014	ppb	98					
*** Sample ID: CRI			052710AA	Seq: 1750	14:35:52 27 May 10		HG	
Hg	.202	ppb	936					
*** Sample ID: CCV			052710AA	Seq: 1751	14:37:57 27 May 10		HG	
Hg	5.21	ppb	23247					
*** Sample ID: CCB			052710AA	Seq: 1752	14:40:06 27 May 10		HG	
Hg	-.009	ppb	-4					
*** Sample ID: 830356MS			052710AA	Seq: 1753	14:42:04 27 May 10		HG	
Hg	1.02	ppb	4566					
*** Sample ID: 830356DP			052710AA	Seq: 1754	14:44:02 27 May 10		HG	
Hg	-.007	ppb	6					
*** Sample ID: 830357			052710AA	Seq: 1755	14:45:57 27 May 10		HG	
Hg	-.031	ppb	-102					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 830251			052710AA	Seq: 1744	14:21:35 27 May 10		HG	
Hg	.030	ppb	169					
*** Sample ID: 830252			052710AA	Seq: 1745	14:24:22 27 May 10		HG	
Hg	-.015	ppb	-31					
*** Sample ID: 830253			052710AA	Seq: 1746	14:26:16 27 May 10		HG	
Hg	.033	ppb	185					
*** Sample ID: 830354			052710AA	Seq: 1747	14:29:20 27 May 10		HG	
Hg	-.004	ppb	17					
*** Sample ID: 830355			052710AA	Seq: 1748	14:31:24 27 May 10		HG	
Hg	.106	ppb	511					
*** Sample ID: 830356			052710AA	Seq: 1749	14:33:59 27 May 10		HG	
Hg	.014	ppb	98					
*** Sample ID: CRI			052710AA	Seq: 1750	14:35:52 27 May 10		HG	
Hg	.202	ppb	936					
*** Sample ID: CCV			052710AA	Seq: 1751	14:37:57 27 May 10		HG	
Hg	5.21	ppb	23247					
*** Sample ID: CCB			052710AA	Seq: 1752	14:40:06 27 May 10		HG	
Hg	-.009	ppb	-4					
*** Sample ID: 830356MS			052710AA	Seq: 1753	14:42:04 27 May 10		HG	
Hg	1.02	ppb	4566					
*** Sample ID: 830356DP			052710AA	Seq: 1754	14:44:02 27 May 10		HG	
Hg	-.007	ppb	6					
*** Sample ID: 830357			052710AA	Seq: 1755	14:45:57 27 May 10		HG	
Hg	-.031	ppb	-102					

Sample Preparation – Metals

NY137390

METALS DIGESTION LOG

Batch Information:	Method Information:				Reagent & Standard Traceability:			
Date: 5/22/10	Digestion Method(s):	ILM04.1	(ILM05.4)		HCl Tag ID: N/A	mL	LCS Lot # MELCSW 00004	
Start Time: 1000	3005AES	3005MS	3010AES	3010MS	HNO_3 Tag ID N/A	mL	Spike Added 50.0	mL
Stop Time: 1630	3050AES	3050MS	200.7	200.8_DW	1:1 HCl Lot # ME1:1HCl 00003	10mL	True Value See SOP	mg/L
Analyst: TFS	TTMS	CEC	SAR		1:1 HNO_3 Lot # ME1:1HNO3 00004	2 mL	MS Lot #: N/A	
Spike Analyst: N/A	Matrix:				30% H_2O_2 Lot # N/A	mL	Spike Added N/A	mL
Spike Witness: N/A	(Water)	Soil	Tissue	Air	2% HNO_3 Lot # N/A	mL	True Value N/A	mg/L

Lab ID	Bottle ID	Digestion[1] Amount	Final Volume	Before Digestion Color	Before Digestion Clarity	Before Digestion Texture	Before Digestion Artifacts	After Digestion Color	After Digestion Clarity	Comments
PBW052210A	N/A	100mL	100mL							
LCSW052210A	N/A									
830640	A4			Colorless	clear			Colorless	clear	
830641										Batch MS/SD was not performed due to insufficient sample volume
830642										
830643										
830644										
830645										
				TFS 5/22/10						

[1]Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temparture: Block 1 95 °C Block 3 — °C Block 5 — °C Block 7 — °C
Block 2 95 °C Block 4 — °C Block 6 — °C Block 8 — °C

SAMPLE PREPARATION LOG
MERCURY

NY137390, FMP085, FMP084, FMP086, FMP087

Identify Method: ILM04.1 (ILM05.4) 6009 EPA 245.1 SW-846 7470A SW-846 7471A

Identify Matrix: Soil (Water) Air Other

Date: 5/26/10

Analyst: AJS

SAMPLE PREPARATION:

Block ID: 7-8

Initial Temperature: 95

StartTime: 11-30

Stop Time: 14.15

Final Temperature: 95

MS Spike Analyst: AJS

MS Spike Witness: MB

mL added: .1

CAL / CCV / MS (100 ug/L)
Lot Number: MEHGCW-00099

LCS
Tag ID: MEHGCW-00099
Concentration Range: N/A mg/kg

ICV (30 ug/L)
Lot Number: MEHGICV-00005

Nitric Acid
Lot Number: MEHNO3-00006

Sulfuric Acid
Lot Number: MESulfuric-0003

Aqua Regia (SW-846 7471A Only)
Lot Number: N/A

Potassium Permanganate
Lot Number: ME5%Perm-00008

Potassium Persulfate
Lot Number: ME5%KPer-00005

Hydroxylamine Hydrochloride
Lot Number: MEHydrxHCL-00005

Stannous Chloride
Lot Number: ME10%SnCl2-0007

[1]CRI is associated with ILM05.4
CRA is associated with ILM04.1

Cup #	Sequence ID	Laboratory ID	Volume or Mass (mL) or (g)	Final Volume (mL)
	S0	Blank	100 mL	50 mL
	S0.2	CAL 1 (0.2 ug/L)	0.10 mL	50 mL
	S0.5	CAL 2 (0.5 ug/L)	0.25 mL	50 mL
	S1	CAL 3 (1 ug/L)	0.50 mL	50 mL
	S5	CAL 4 (5 ug/L)	2.5 mL	50 mL
	S10	CAL 5 (10 ug/L)	5 mL	50 mL
1	ICV	ICV (3 ug/L)	5 mL	50 mL
2	ICB	ICB	50 mL	50 mL
3	CRI/CRA[1]	CRI	.10	50
4	CCV:1	CCV (5 ug/L)	2.5 mL	50 mL
5	CCB:1			
6		PBW052610A	50	50
7		LCSW052610A		
8		830640		
9		830641		
10		830642		
11		830643		
12		830644		
13		830645		
14		830273		
15	CCV:2			
16	CCB:2			
17		830274		
18		830250		
19		830251		
20		830252		
21		830253		
22		830354		
23		830355		
24		830356		
25		~~83~~ CRI		
26	CCV:3			
27	CCB:3			
28		830356MS		
29		830356DP		
30		830357		
31		830389		
32		830390		
33		830391		
34		830392		
35				
36				
37	CCV:4			
38	CCB:4			
39				
40				
41				
42				
43				
44				

AJS 5/26/10

STANDARD TRACEABILTY RECORDS
ICP-OES Instrument

Date: 5/29/10

Sequence ID	Analyst	Analytical Method
052410-01		☐ 6010 / 200.7 ☒ ILM05.4 ☐ ISM01.2
052410-02		☐ 6010 / 200.7 ☒ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2

Standard Name	Lot Number
Used for all methods	
STD 7:	MES707W00012
STD 8:	MESTD8W00008
STD 4:	MES704W00012
ICV:	MEICVW00005
CCV:	MECCVW00014
STD0/ICB/CCB/5%2% Rinse & Dilution:	MES%2%RINSEW00015
Internal Standard Solution:	MEICP715W00007
Used for methods 6010 & 200.7	
ICSA 6010:	
ICSAB 6010:	
CRI 6010:	
DOD LRV Solution:	
6010 Post Spiking Solution:	
5 PPM AG:	
Used for method ILM05.4	
CRI ILM05.4:	MES4AESCRIW00005
ICSA ILM05.4:	MES4ICSAW00004
ICSAB ILM05.4:	MES4ICSABW00003
Used for method ISM01.2	
Calibration std 6:	
Calibration std 1-5 int/CCV:	
ICV:	
ICSA:	
ICSAB:	

Comments:

BR-FME096:05.06.10:1
TestAmerica

STANDARD TRACEABILTY RECORDS ICP-OES Instrument		
Date: 5/24/10		
Sequence ID	**Analyst**	**Analytical Method**
052410-01		☐ 6010 / 200.7 ☒ ILM05.4 ☐ ISM01.2
052410-02		☐ 6010 / 200.7 ☒ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
		☐ 6010 / 200.7 ☐ ILM05.4 ☐ ISM01.2
Standard Name	**Lot Number**	
Used for all methods		
STD 7:	MES707W00012	
STD 8:	MESTD8W00008	
STD 4:	MES704W00012	
ICV:	MEICVW00005	
CCV:	MECCVW00014	
STD0/ICB/CCB/5%2% Rinse & Dilution:	MES5%2%RINSEW00015	
Internal Standard Solution:	MEICP715W00007	
Used for methods 6010 & 200.7		
ICSA 6010:		
ICSAB 6010:		
CRI 6010:		
DOD LRV Solution:		
6010 Post Spiking Solution:		
5 PPM AG:		
Used for method ILM05.4		
CRI ILM05.4:	MES4A1SCRIW00005	
ICSA ILM05.4:	MES41CSAW00004	
ICSAB ILM05.4:	MES41CSABW00003	
Used for method ISM01.2		
Calibration std 6:		
Calibration std 1-5 int/CCV:		
ICV:		
ICSA:		
ICSAB:		
Comments:		

BR-FME096:05.06.10:1
TestAmerica



QC Summary – SOM01.2 Volatiles – Trace

2A - FORM II VOA-1
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC1 (VCL)#	VDMC2 (CLA)#	VDMC3 (DCE)#	VDMC4 (BUT)#	VDMC5 (CLF)#	VDMC6 (DCA)#	VDMC7 (BEN)#
01	VBLKJV	97	103	78	109	99	106	105
02	FB 100520	96	102	78	99	94	97	102
03	TRIP BLANK	98	106	78	112	101	105	102
04	ISCO MW01DL	97	104	79	109	100	102	103
05	ISCO MW04DL	98	104	79	113	101	104	108
06	ISCO IW05DL	98	103	78	114	101	105	106
07	ISCO IW06DL	95	103	78	114	102	104	106
08	ISCO IW16DL	97	104	80	108	102	106	111
09	ISCO MW01	97	101	77	114	101	106	104
10	VBLKJW	103	105	81	111	101	104	108
11	ISCO IW16	97	101	78	106	99	101	104
12	VIBLKJX	106	107	81	125	103	107	109
13	ISCO MW04	99	104	80	123	102	106	107
14	VIBLKJY	103	106	80	121	101	106	106
15	ISCO IW05	98	106	80	132	100	107	107
16	VIBLKJZ	101	104	78	124	101	106	109
17	ISCO IW06	101	106	81	129	104	111	113
18	VBLKJA	100	101	79	98	97	102	97
19	VHBLK01	101	101	78	89	95	95	101
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

		QC LIMITS
VDMC1	(VCL) = Vinyl chloride-d3	(65-131)
VDMC2	(CLA) = Chloroethane-d5	(71-131)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(55-104)
VDMC4	(BUT) = 2-Butanone-d5	(49-155)
VDMC5	(CLF) = Chloroform-d	(78-121)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN) = Benzene-d6	(77-124)

Column to be used to flag recovery values
* Values outside of contract required QC limits

2B - FORM II VOA-2
WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Level: (TRACE or LOW) TRACE

	EPA SAMPLE NO.	VDMC8 (DPA)#	VDMC9 (TOL)#	VDMC10 (TDP)#	VDMC11 (HEX)#	VDMC12 (TCA)#	VDMC13 (DCZ)#	VDMC14 ( )#	TOT OUT
01	VBLKJV	104	105	109	110	106	101		0
02	FB 100520	96	99	97	97	96	95		0
03	TRIP BLANK	102	103	104	107	105	100		0
04	ISCO MW01DL	100	102	101	107	105	100		0
05	ISCO MW04DL	104	107	105	115	104	101		0
06	ISCO IW05DL	105	106	106	108	109	102		0
07	ISCO IW06DL	104	102	100	106	105	98		0
08	ISCO IW16DL	105	107	105	112	113	105		0
09	ISCO MW01	98	101	102	109	106	99		0
10	VBLKJW	106	106	104	112	99	103		0
11	ISCO IW16	95	102	97	102	100	101		0
12	VIBLKJX	110	105	103	114	114	107		0
13	ISCO MW04	103	98	104	115	112	101		0
14	VIBLKJY	103	99	100	116	105	103		0
15	ISCO IW05	102	100	105	129	121	105		0
16	VIBLKJZ	106	103	107	119	111	102		0
17	ISCO IW06	112	107	108	122	116	104		0
18	VBLKJA	97	98	96	98	93	98		0
19	VHBLK01	96	99	92	88	92	97		0
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

	QC LIMITS
VDMC8 (DPA) = 1,2-Dichloropropane-d6	(79-124)
VDMC9 (TOL) = Toluene-d8	(77-121)
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4	(73-121)
VDMC11 (HEX) = 2-Hexanone-d5	(28-135)
VDMC12 (TCA) = 1,1,2,2-Tetrachloroethane-d2	(73-125)
VDMC13 (DCZ) = 1,2-Dichlorobenzene-d4	(80-131)

Column to be used to flag recovery values
* Values outside of contract required QC limits

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKJV

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Lab File ID: JAUB03 Lab Sample ID: VBLKJV

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 05/25/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1251

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	FB 100520	830645	830645	1334
02	TRIP BLANK	830646	830646	1401
03	ISCO MW01DL	830640D1	830640D	1429
04	ISCO MW04DL	830641D1	830641D	1457
05	ISCO IW05DL	830642D1	830642D	1524
06	ISCO IW06DL	830643D1	830643D	1551
07	ISCO IW16DL	830644D1	830644D	1619
08	ISCO MW01	830640	830640D2	1647
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
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25				
26				
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28				
29				
30				

COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKJW

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Lab File ID: JAUB02A Lab Sample ID: VBLKJW

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 05/25/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 2006

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	ISCO IW16	830644	830644	2043
02	VIBLKJX	VIBLKJX	JAUB03A	2111
03	ISCO MW04	830641	830641D2	2139
04	VIBLKJY	VIBLKJY	JAUB04A	2207
05	ISCO IW05	830642	830642	2235
06	VIBLKJZ	VIBLKJZ	JAUB05A	2303
07	ISCO IW06	830643	830643	2331
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
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30				

COMMENTS: _____

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBLKJA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Lab File ID: JAVB02 Lab Sample ID: VBLKJA

Instrument ID: J.i

Matrix: (SOIL/SED/WATER) Water Date Analyzed: 05/27/2010

Level: (TRACE or LOW/MED) TRACE Time Analyzed: 1106

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK01	830647	830647	1158
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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25				
26				
27				
28				
29				
30				

COMMENTS: _____

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBJV

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Lab File ID: JAU01PV BFB Injection Date: 05/25/2010

Instrument ID: J.i BFB Injection Time: 0917

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 80.0% of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	69.6
175	5.0 - 9.0% of mass 174	5.5 (8.0)1
176	95.0 - 101.0% of mass 174	68.9 (99.0)1
177	5.0 - 9.0% of mass 176	4.1 (5.9)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.5JV	VSTD0.5JV	JAU0005V	05/25/2010	1004
02	VSTD001JV	VSTD001JV	JAU001V	05/25/2010	1032
03	VSTD005JV	VSTD005JV	JAU005V	05/25/2010	1059
04	VSTD010JV	VSTD010JV	JAU010V	05/25/2010	1128
05	VSTD020JV	VSTD020JV	JAU020V	05/25/2010	1155
06	VBLKJV	VBLKJV	JAUB03	05/25/2010	1251
07	FB 100520	830645	830645	05/25/2010	1334
08	TRIP BLANK	830646	830646	05/25/2010	1401
09	ISCO MW01DL	830640D1	830640D	05/25/2010	1429
10	ISCO MW04DL	830641D1	830641D	05/25/2010	1457
11	ISCO IW05DL	830642D1	830642D	05/25/2010	1524
12	ISCO IW06DL	830643D1	830643D	05/25/2010	1551
13	ISCO IW16DL	830644D1	830644D	05/25/2010	1619
14	ISCO MW01	830640	830640D2	05/25/2010	1647
15	VSTD005VJ	VSTD005VJ	JAU005C1	05/25/2010	1742
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBJW

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Lab File ID: JAU05PV BFB Injection Date: 05/25/2010

Instrument ID: J.i BFB Injection Time: 1837

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 80.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	70.0
175	5.0 - 9.0% of mass 174	6.1 (8.7)1
176	95.0 - 101.0% of mass 174	68.1 (97.3)1
177	5.0 - 9.0% of mass 176	5.0 (7.4)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005JW	VSTD005JW	JAU005AV	05/25/2010	1903
02	VBLKJW	VBLKJW	JAUB02A	05/25/2010	2006
03	ISCO IW16	830644	830644	05/25/2010	2043
04	VIBLKJX	VIBLKJX	JAUB03A	05/25/2010	2111
05	ISCO MW04	830641	830641D2	05/25/2010	2139
06	VIBLKJY	VIBLKJY	JAUB04A	05/25/2010	2207
07	ISCO IW05	830642	830642	05/25/2010	2235
08	VIBLKJZ	VIBLKJZ	JAUB05A	05/25/2010	2303
09	ISCO IW06	830643	830643	05/25/2010	2331
10	VSTD005WJ	VSTD005WJ	JAU05AC1	05/26/2010	0535
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A - FORM V VOA
VOLATILE ORGANIC INSTRUMENT
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

EPA SAMPLE NO.
BFBJA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Lab File ID: JAV01PV BFB Injection Date: 05/27/2010

Instrument ID: J.i BFB Injection Time: 0757

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.3
75	30.0 - 80.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	63.7
175	5.0 - 9.0% of mass 174	4.9 (7.6)1
176	95.0 - 101.0% of mass 174	62.4 (97.9)1
177	5.0 - 9.0% of mass 176	4.3 (6.9)2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0.5JA	VSTD0.5JA	JAV0005V	05/27/2010	0818
02	VSTD001JA	VSTD001JA	JAV001V	05/27/2010	0845
03	VSTD005JA	VSTD005JA	JAV005V	05/27/2010	0913
04	VSTD010JA	VSTD010JA	JAV010V	05/27/2010	0942
05	VSTD020JA	VSTD020JA	JAV020V	05/27/2010	1010
06	VBLKJA	VBLKJA	JAVB02	05/27/2010	1106
07	VHBLK01	830647	830647	05/27/2010	1158
08	VSTD005AJ	VSTD005AJ	JAV05C1	05/27/2010	1739
09					
10					
11					
12					
13					
14					
15					
16					
17					
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19					
20					
21					
22					

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005JV Date Analyzed: 05/25/2010

Lab File ID (Standard): JAU005V Time Analyzed: 1059

Instrument ID: J.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	799913	9.04	1083673	5.66	349380	11.87
	UPPER LIMIT	1119878	9.37	1517142	5.99	489132	12.20
	LOWER LIMIT	479948	8.71	650204	5.32	209628	11.54
	EPA SAMPLE NO.						
01	VBLKJV	785235	9.04	1066873	5.66	343771	11.87
02	FB 100520	807173	9.04	1088379	5.66	341603	11.87
03	TRIP BLANK	820657	9.04	1086316	5.66	348087	11.87
04	ISCO MW01DL	807132	9.04	1060821	5.66	340061	11.87
05	ISCO MW04DL	810961	9.04	1096951	5.66	352548	11.87
06	ISCO IW05DL	791587	9.04	1071808	5.66	341101	11.87
07	ISCO IW06DL	789911	9.04	1057961	5.66	339416	11.87
08	ISCO IW16DL	769424	9.04	1059485	5.66	332634	11.87
09	ISCO MW01	796646	9.04	1060712	5.66	337294	11.87
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005JW Date Analyzed: 05/25/2010

Lab File ID (Standard): JAU005AV Time Analyzed: 1903

Instrument ID: J.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(DCB) AREA	#	RT	#
	12 HOUR STD	799064		9.04		1051772		5.66		341625		11.87	
	UPPER LIMIT	1118690		9.37		1472481		5.99		478275		12.21	
	LOWER LIMIT	479438		8.71		631063		5.32		204975		11.54	
	EPA SAMPLE NO.												
01	VBLKJW	754960		9.04		1030382		5.66		320242		11.87	
02	ISCO IW16	792017		9.04		1054095		5.66		332283		11.87	
03	VIBLKJX	741180		9.04		993757		5.66		315678		11.87	
04	ISCO MW04	777016		9.04		1035764		5.66		326612		11.87	
05	VIBLKJY	758999		9.04		1006625		5.66		306710		11.87	
06	ISCO IW05	721608		9.04		981104		5.66		301851		11.87	
07	VIBLKJZ	736182		9.04		1007225		5.66		324599		11.87	
08	ISCO IW06	700255		9.04		962453		5.66		308986		11.87	
09													
10													
11													
12													
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17													
18													
19													
20													
21													
22													

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

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk

8A - FORM VIII VOA
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

GC Column: DB-624 ID: 0.53 (mm) Init. Calib. Date(s): 05/27/2010 05/27/2010

EPA Sample No.(VSTD#####): VSTD005JA Date Analyzed: 05/27/2010

Lab File ID (Standard): JAV005V Time Analyzed: 0913

Instrument ID: J.i Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	IS1(CBZ) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(DCB) AREA #	IS3(DCB) RT #
	12 HOUR STD	703109	9.04	919411	5.66	311420	11.87
	UPPER LIMIT	984353	9.37	1287175	5.99	435988	12.20
	LOWER LIMIT	421865	8.71	551647	5.32	186852	11.54
	EPA SAMPLE NO.						
01	VBLKJA	709357	9.04	919868	5.66	292393	11.87
02	VHBLK01	650651	9.04	897858	5.66	267098	11.87
03							
04							
05							
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20							
21							
22							

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

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = + 0.50 (Low-Medium Volatiles) and + 0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = - 0.50 (Low-Medium Volatiles) and - 0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk



Supportive Documentation – SOM01.2
Volatiles – Trace

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB 100520

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830645

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830645

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.7	JB
75-15-0	Carbon disulfide	0.092	JB
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.15	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
FB 100520

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830645

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830645

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.17	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	1.0	JB
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.053	JB
87-61-6	1,2,3-Trichlorobenzene	0.063	JB

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
FB 100520

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830645

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830645

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	2.8	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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19					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

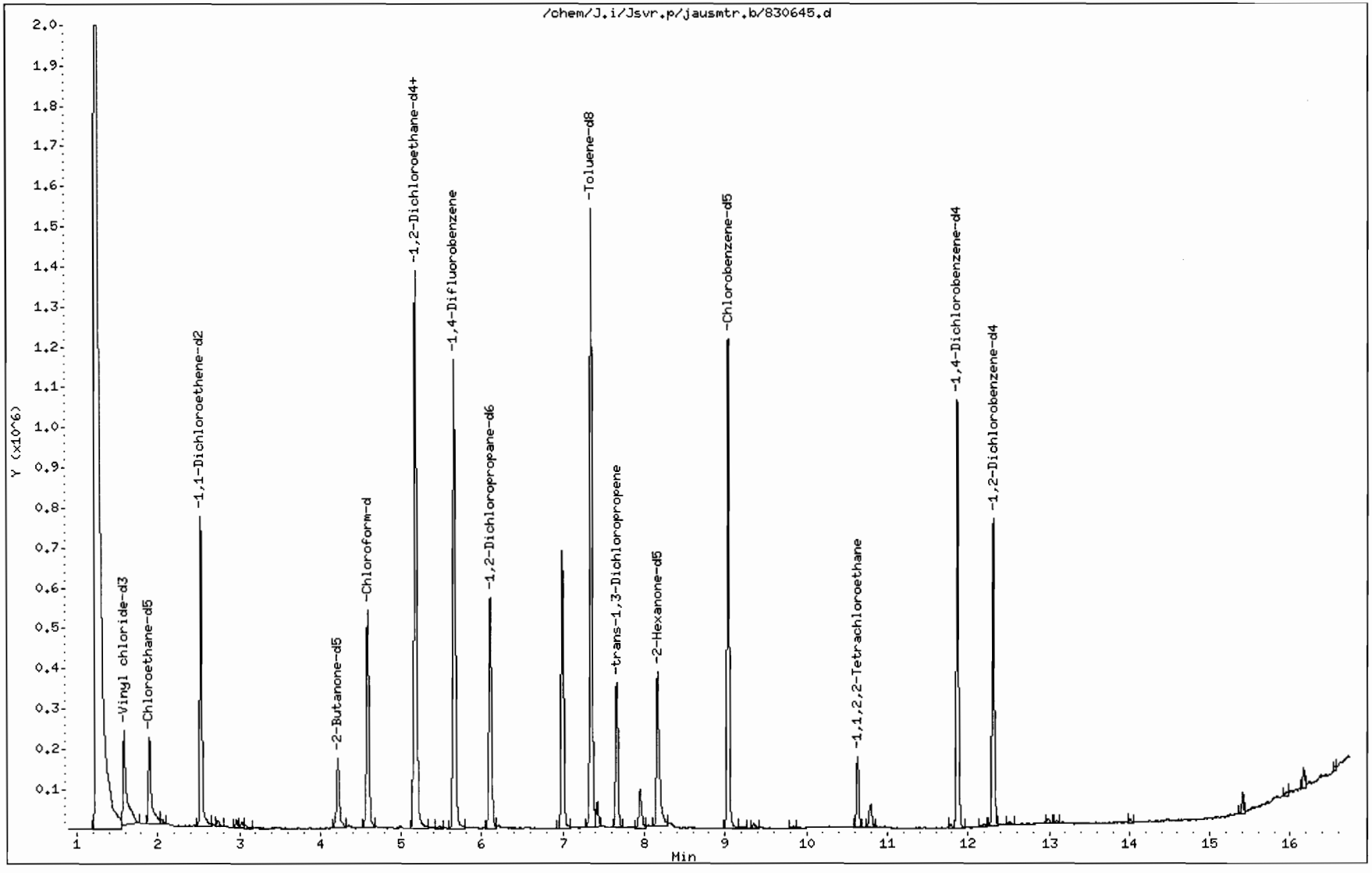
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830645.d
Date : 25-MAY-2010 13:34
Client ID: FB 100520
Sample Info: FB 100520 :[ ]05/20/10 @1200(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830645.d
Lab Smp Id: 830645 Client Smp ID: FB 100520
Inj Date : 25-MAY-2010 13:34
Operator : JH2 Inst ID: J.i
Smp Info : FB 100520 :[ ]05/20/10 @1200(WATER)
Misc Info : 830645,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	423541	4.79318	4.8
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	337083	5.12417	5.1
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	548380	3.88791	3.9
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	(0.457)	5173	1.73498	1.7(a)
13	Carbon disulfide	76	2.737	2.730	(0.484)	19697	0.09172	0.092(a)
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	9268	0.14911	0.15(a)
	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	4.221	4.221	(0.746)	268446	49.4767	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	4.586	4.586	(0.811)	531017	4.70672	4.7
	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	5.164	5.164	(0.913)	174171	4.86247	4.9
$	29 Benzene-d6	84	5.176	5.182	(0.573)	1367120	5.08742	5.1
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1088379	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	334342	4.79808	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	7.342	7.342	(0.812)	1198989	4.95397	5.0
	41 Toluene	91	7.421	7.421	(0.821)	49025	0.16739	0.17(a)
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	240087	4.85413	4.9
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.163	8.157	(0.903)	213432	48.6241	49
	47 2-Hexanone	43	8.218	8.218	(0.909)	9435	1.04138	1.0(aQ)
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	807173	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	105924	4.78467	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	11.874	11.868	(1.000)	341603	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	236472	4.77035	4.8
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	14.016	14.016	(1.180)	2293	0.05322	0.053(a)
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	1929	0.06347	0.063(a)

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/jausmtr.b/830645.d
Lab Smp Id: 830645 Client Smp ID: FB 100520
Inj Date : 25-MAY-2010 13:34
Operator : JH2 Inst ID: J.i
Smp Info : FB 100520 :[ ]05/20/10 @1200(WATER)
Misc Info : 830645,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2462703	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #:				
6.995	1394478	2.83119405	2.8	0		0	32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830645.d

Date : 25-MAY-2010 13:34

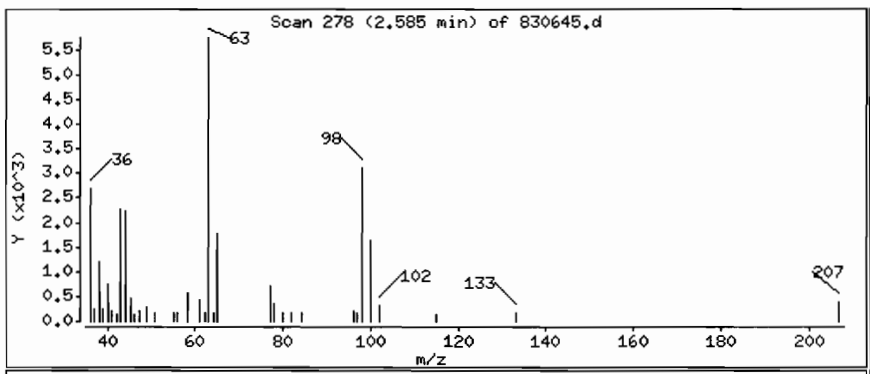
Client ID: FB 100520 Instrument: J.i

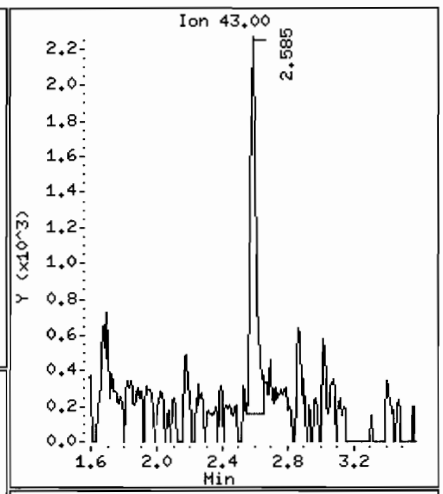
Sample Info: FB 100520 :[ ]05/20/10 @1200(WATER)

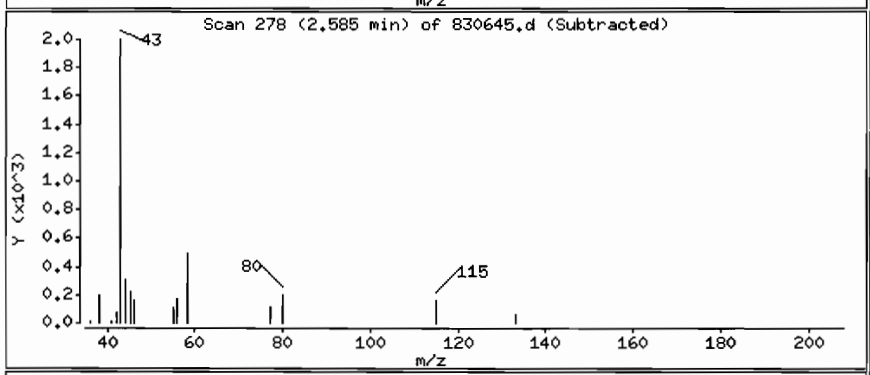
Purge Volume: 25.0 Operator: JH2

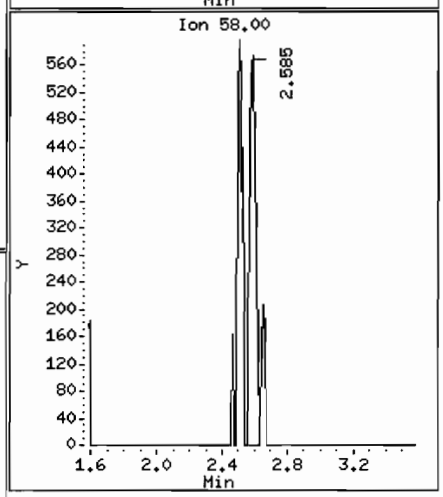
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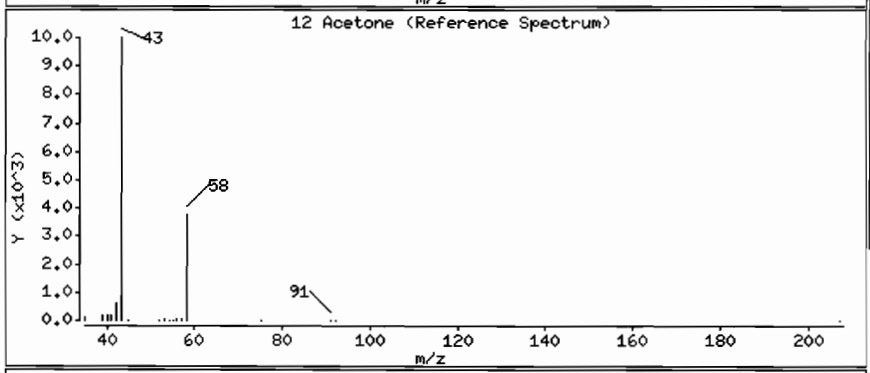
12 Acetone Concentration: 1.7 ug/L

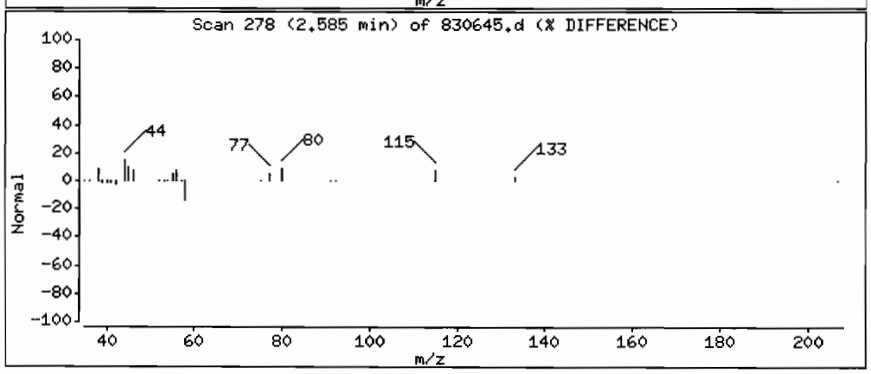












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830645.d

Date : 25-MAY-2010 13:34

Client ID: FB 100520

Instrument: J.i

Sample Info: FB 100520 :[ ]05/20/10 @1200(WATER)

Purge Volume: 25.0

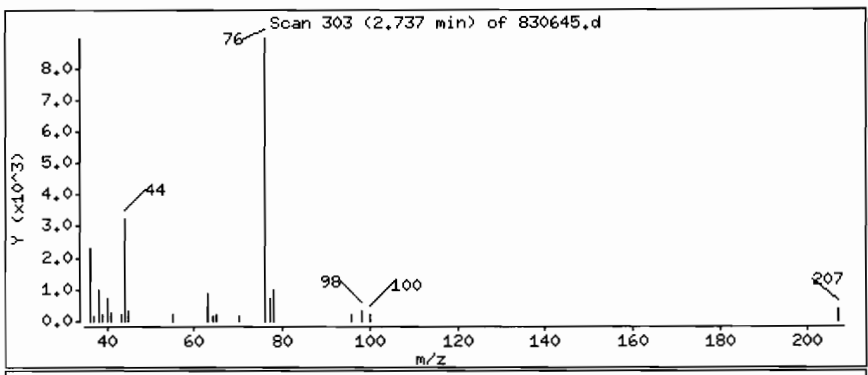
Operator: JH2

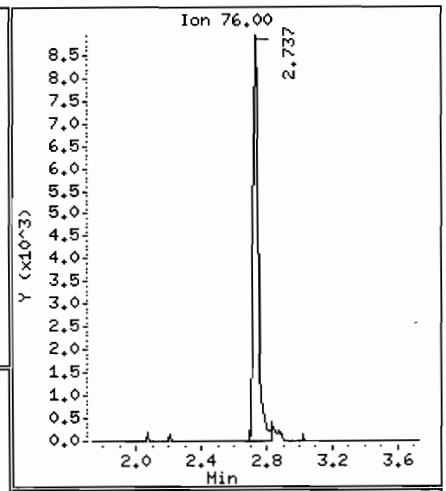
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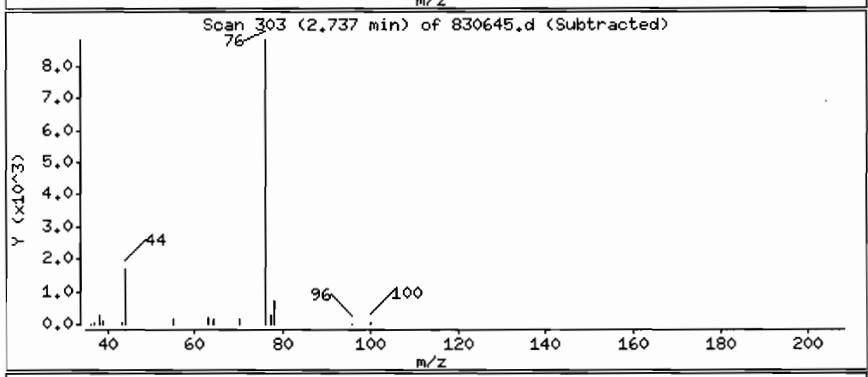
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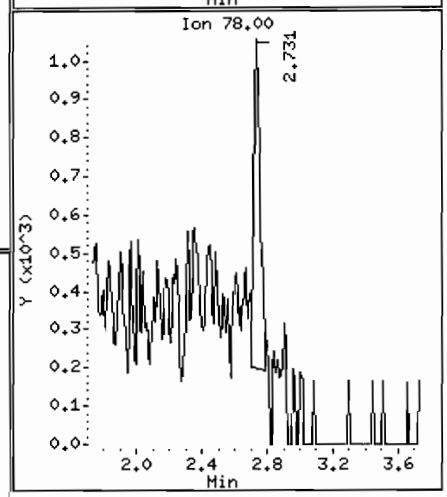
13 Carbon disulfide

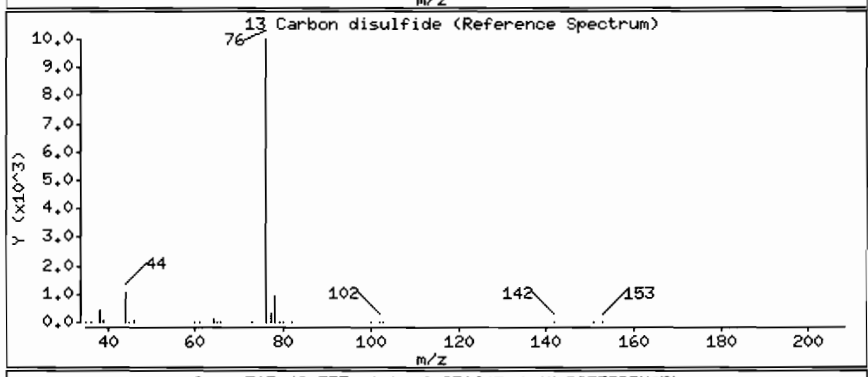
Concentration: 0.092 ug/L

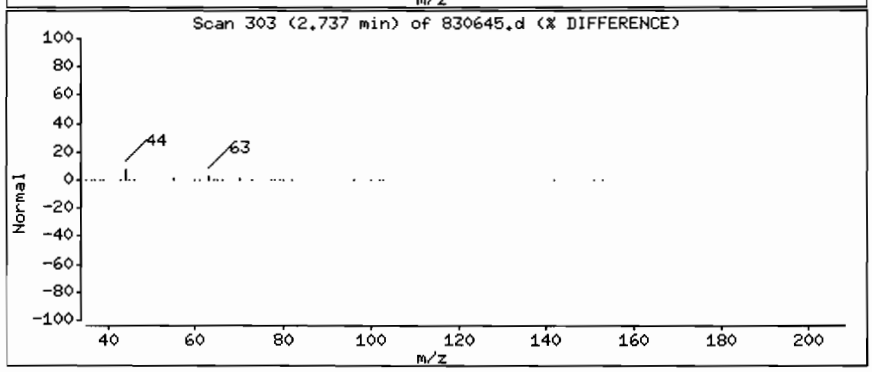












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830645.d

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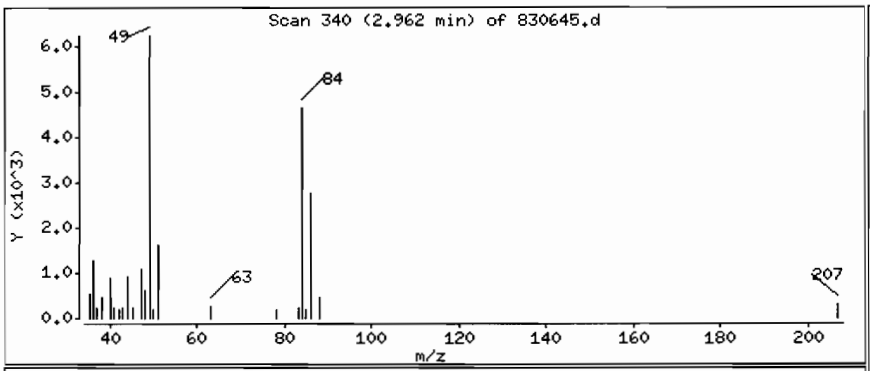
Client ID: FB 100520 Instrument: J.i

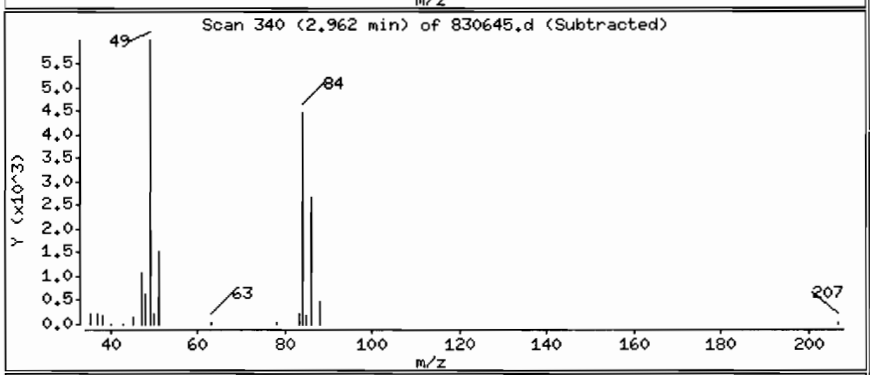
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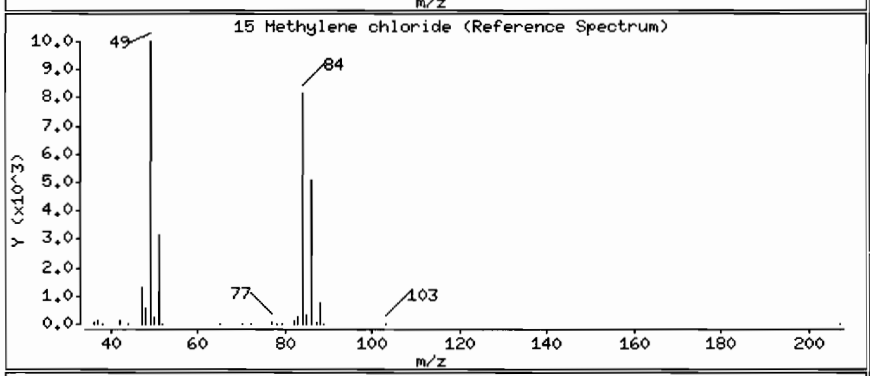
Purge Volume: 25.0 Operator: JH2

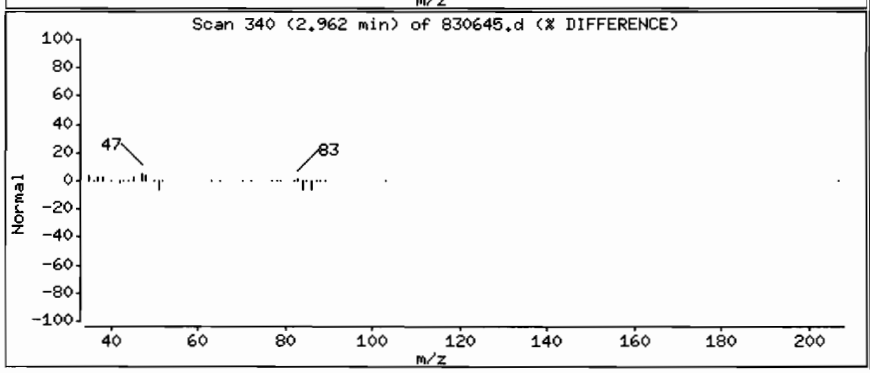
Column phase: DB-624 Column diameter: 0.53

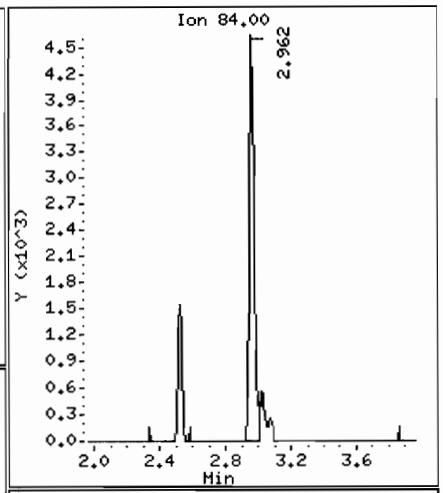
15 Methylene chloride Concentration: 0.15 ug/L

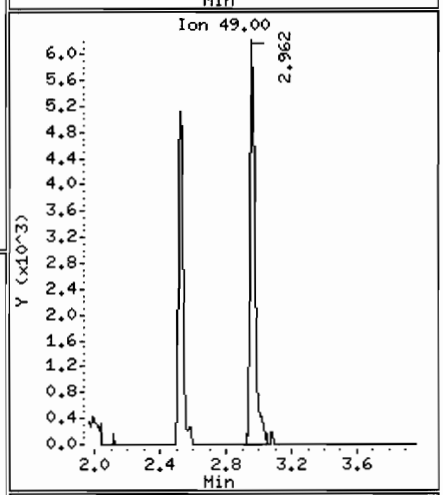


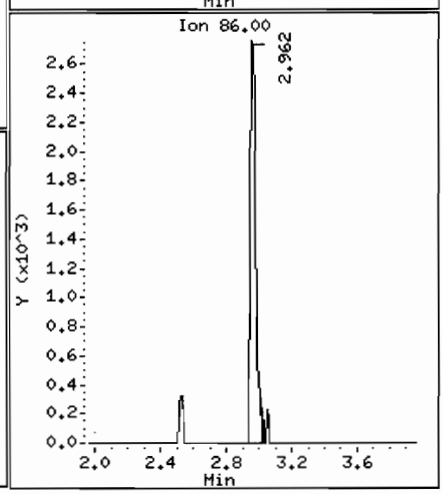












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830645.d

Date : 25-MAY-2010 13:34

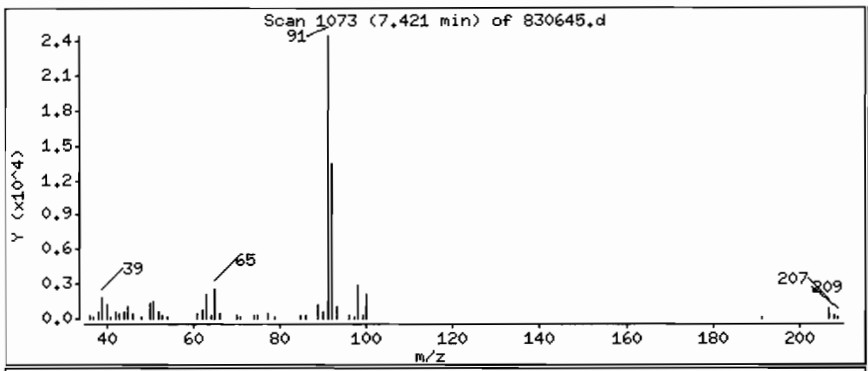
Client ID: FB 100520 Instrument: J.i

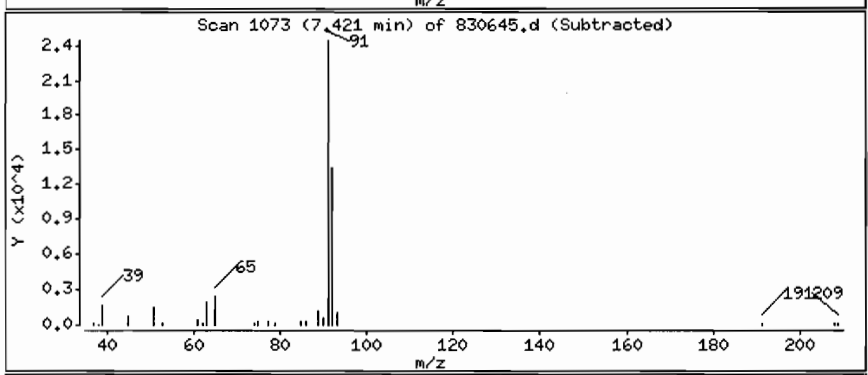
Sample Info: FB 100520 :[ ]05/20/10 @1200(WATER)

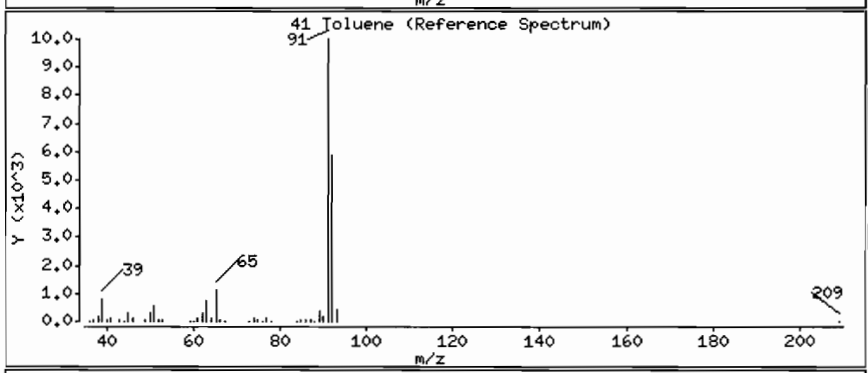
Purge Volume: 25.0 Operator: JH2

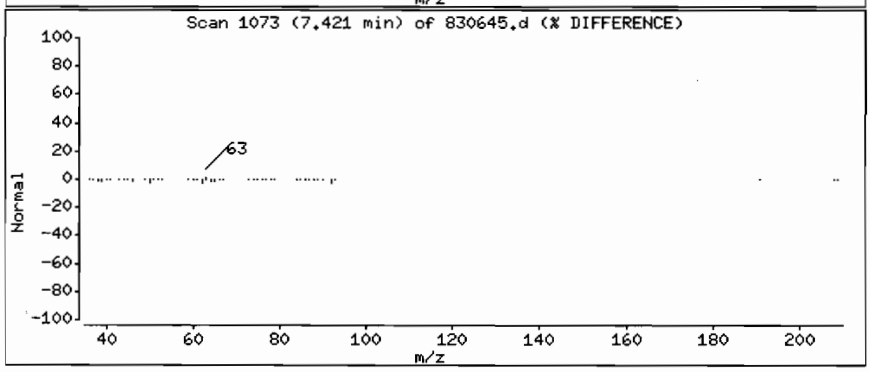
Column phase: DB-624 Column diameter: 0.53

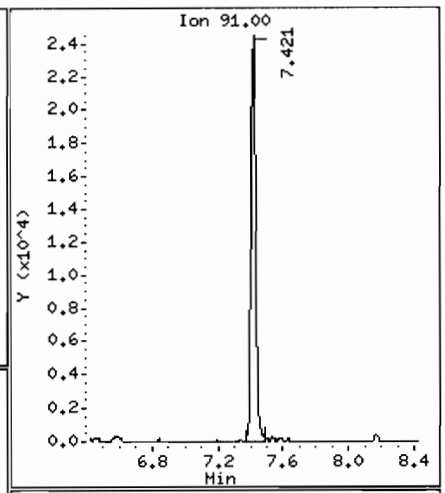
41 Toluene Concentration: 0.17 ug/L

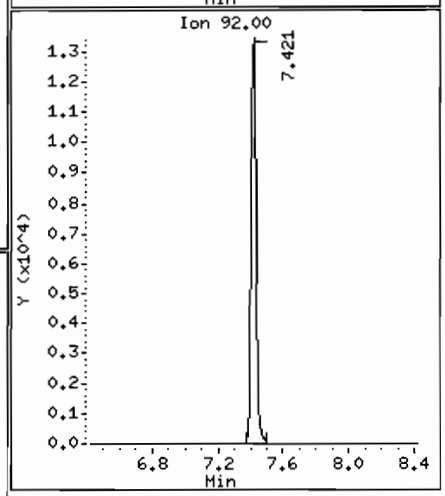












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830645.d

Date : 25-MAY-2010 13:34

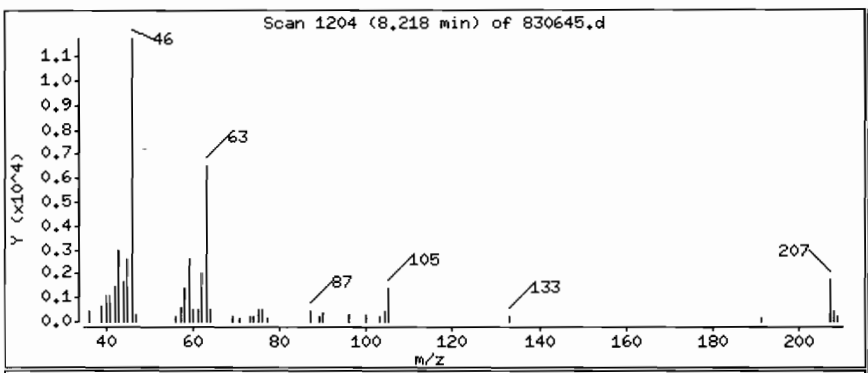
Client ID: FB 100520 Instrument: J.i

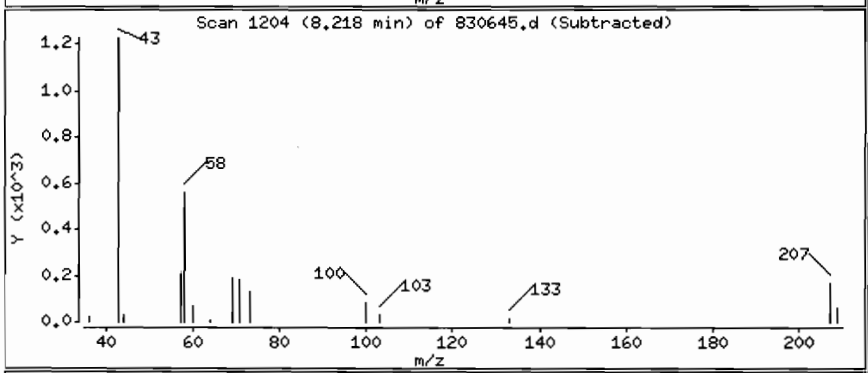
Sample Info: FB 100520 :[J05/20/10 @1200(WATER)

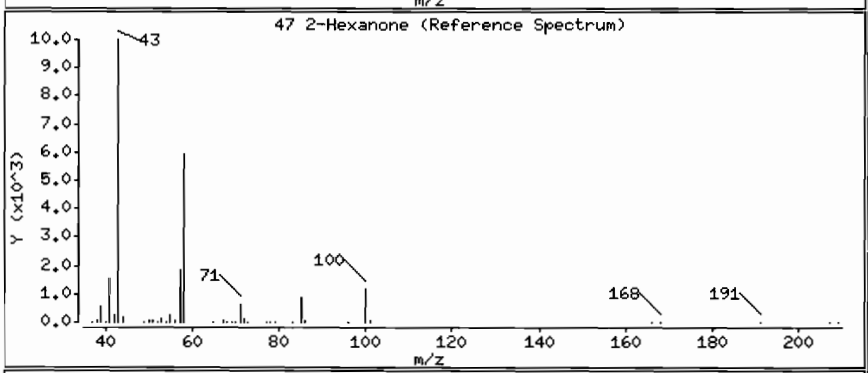
Purge Volume: 25.0 Operator: JH2

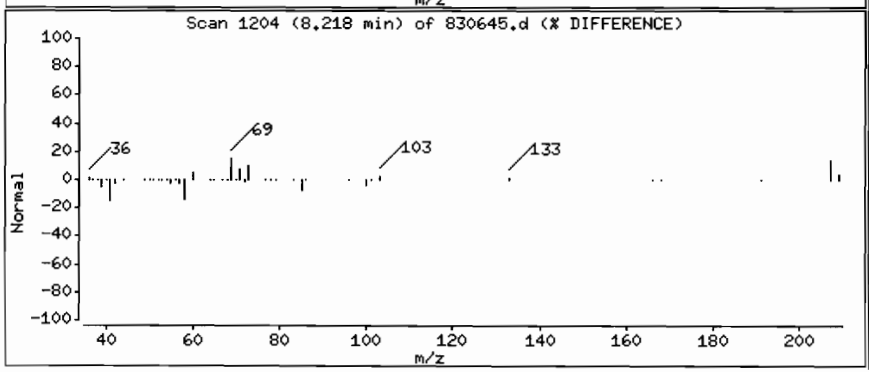
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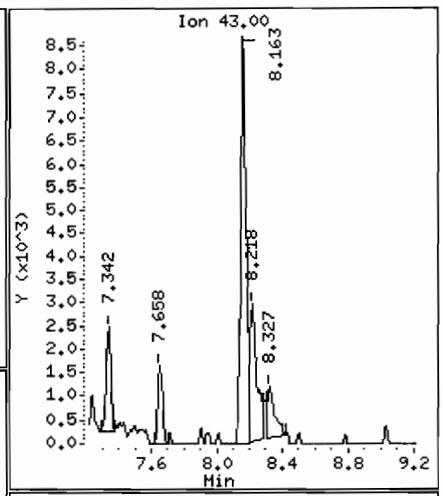
47 2-Hexanone Concentration: 1.0 ug/L

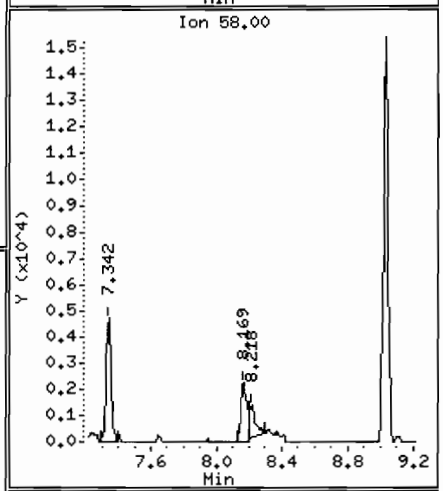


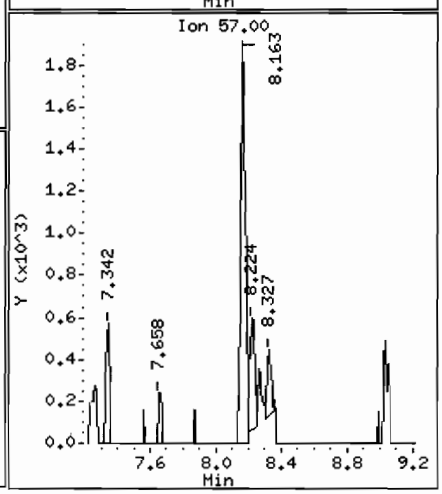












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830645.d

Date : 25-MAY-2010 13:34

Client ID: FB 100520

Instrument: J.i

Sample Info: FB 100520 :[05/20/10 @1200(WATER)

Purge Volume: 25.0

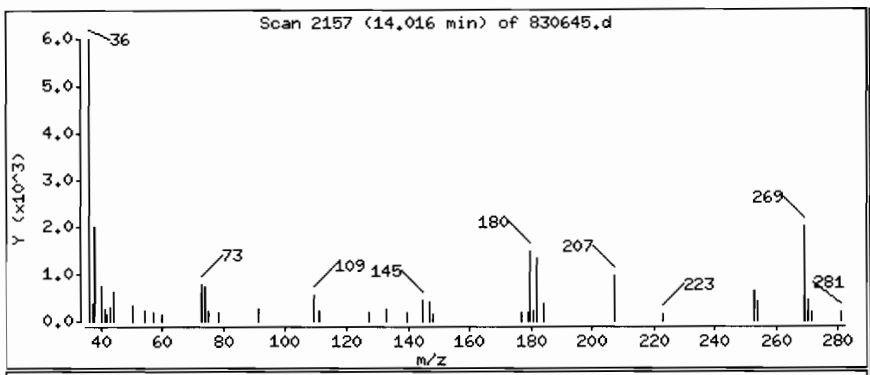
Operator: JH2

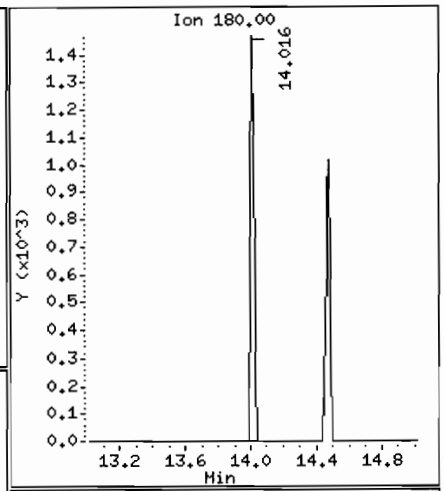
Column phase: DB-624

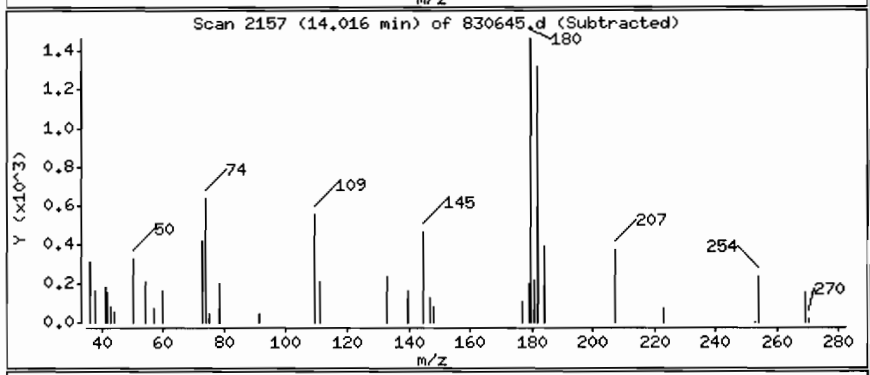
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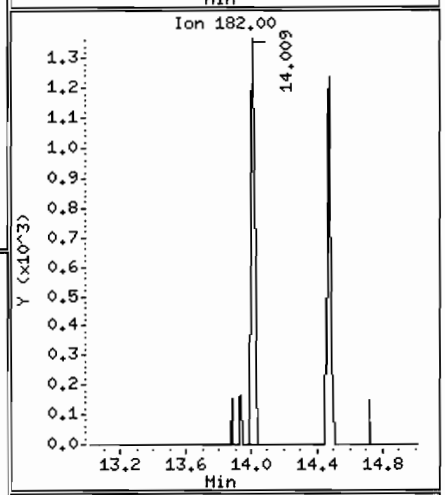
66 1,2,4-Trichlorobenzene

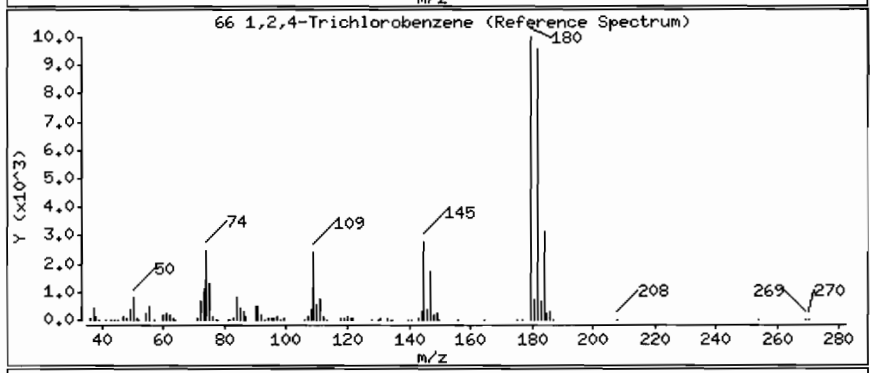
Concentration: 0.053 ug/L

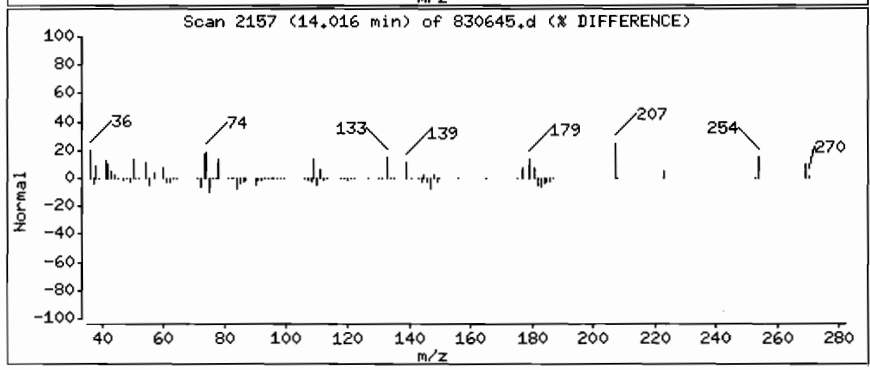


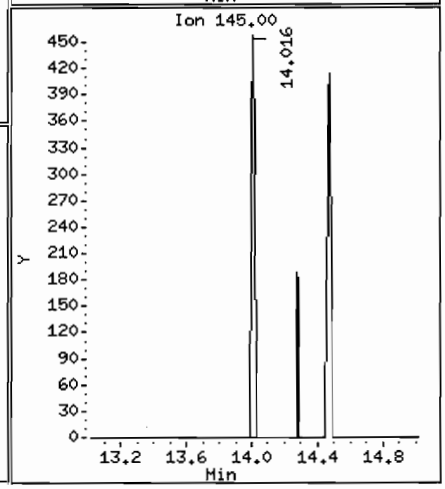












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Date : 25-MAY-2010 13:34

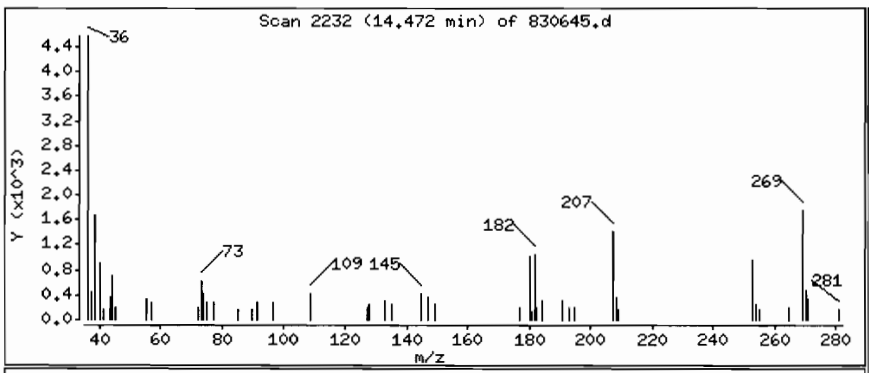
Client ID: FB 100520 Instrument: J.i

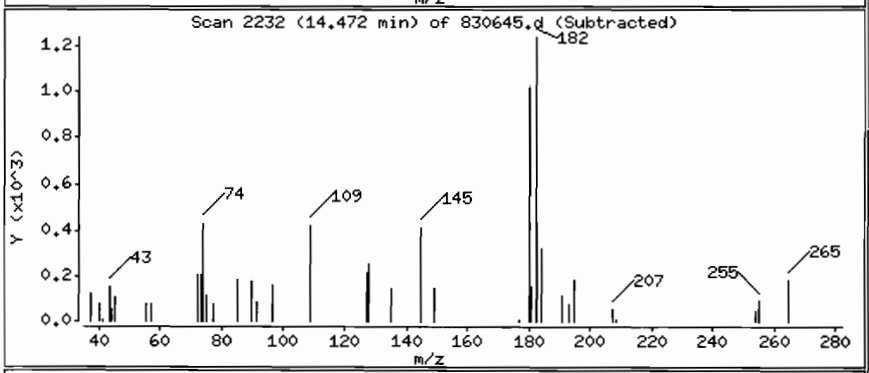
Sample Info: FB 100520 :[ ]05/20/10 @1200(WATER)

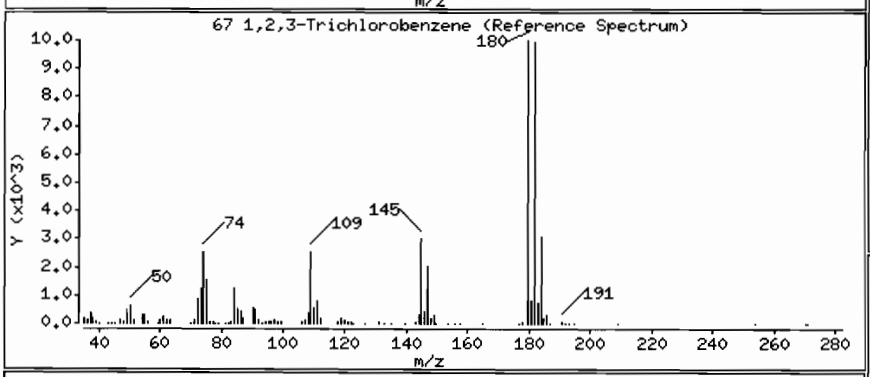
Purge Volume: 25.0 Operator: JH2

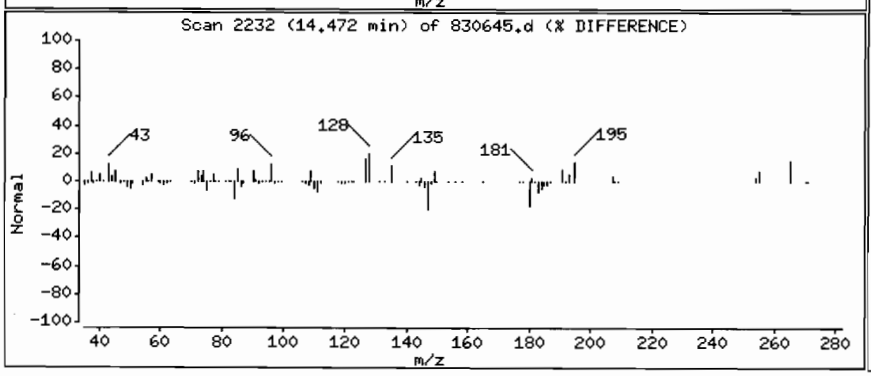
Column phase: DB-624 Column diameter: 0.53

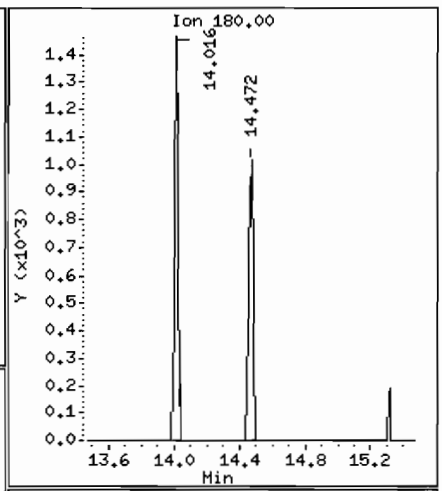
67 1,2,3-Trichlorobenzene Concentration: 0.063 ug/L

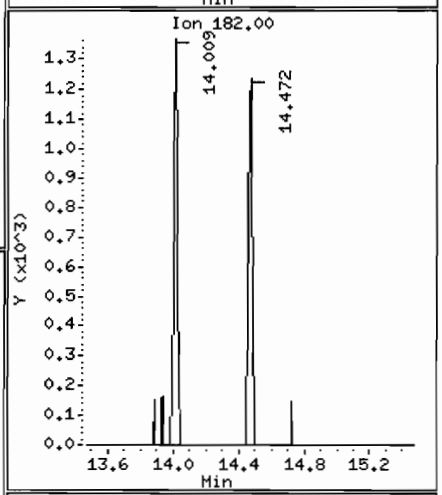


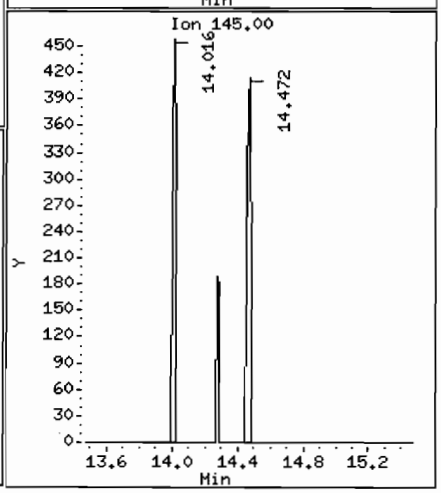












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830645.d

Date : 25-MAY-2010 13:34

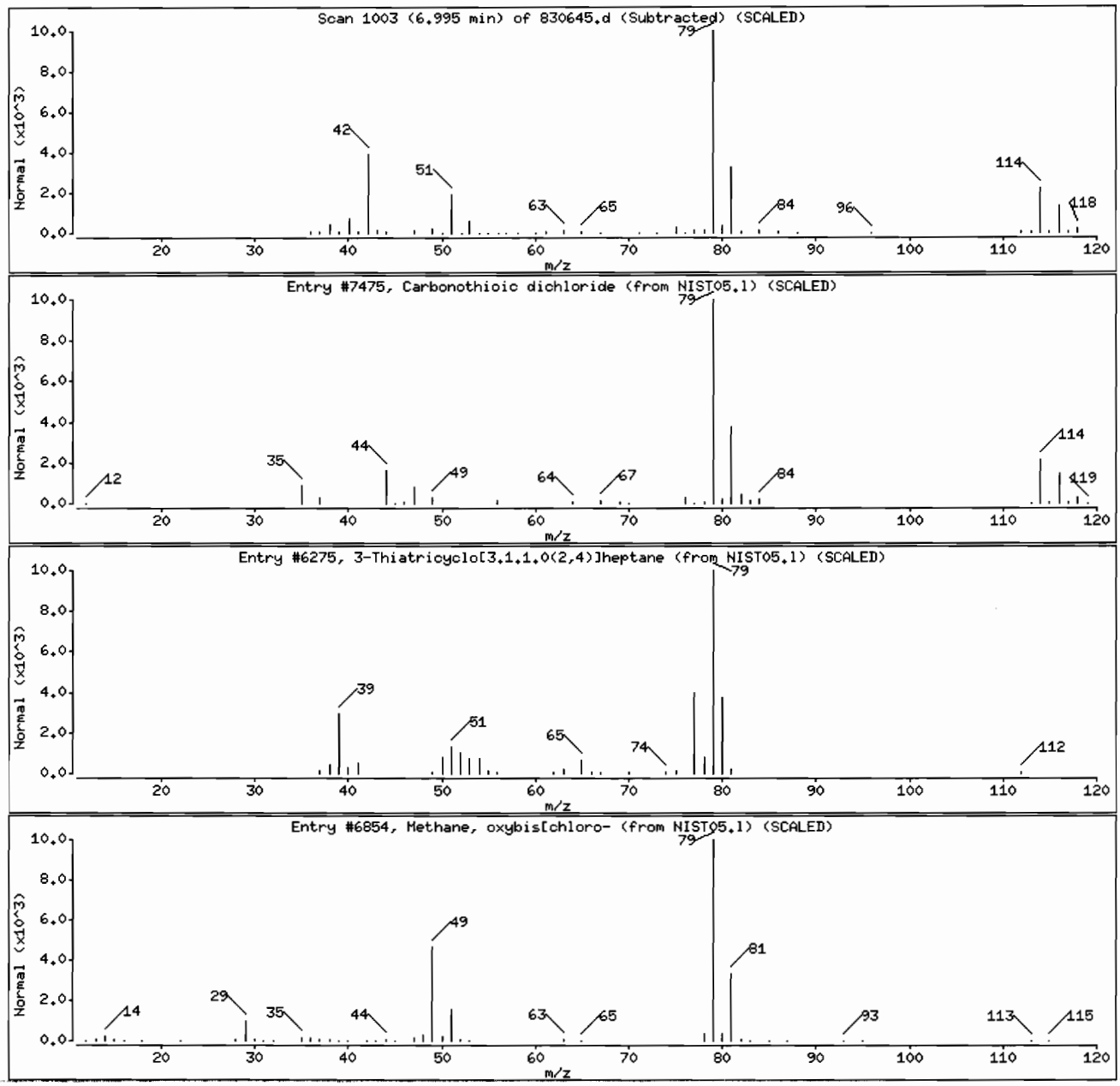
Client ID: FB 100520 Instrument: J.i

Sample Info: FB 100520 :[ ]05/20/10 @1200(WATER)

Purge Volume: 25.0 Operator: JH2

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW05

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830642

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830642

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	370	EB
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.60	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.15	J
78-93-3	2-Butanone	7.8	
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.29	J
71-55-6	1,1,1-Trichloroethane	0.12	J
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.048	J
71-43-2	Benzene	0.037	J
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW05

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830642

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830642

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	110	E
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.092	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.085	J
127-18-4	Tetrachloroethene	2.2	
591-78-6	2-Hexanone	1.2	JB
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.042	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO IW05

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830642

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830642

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

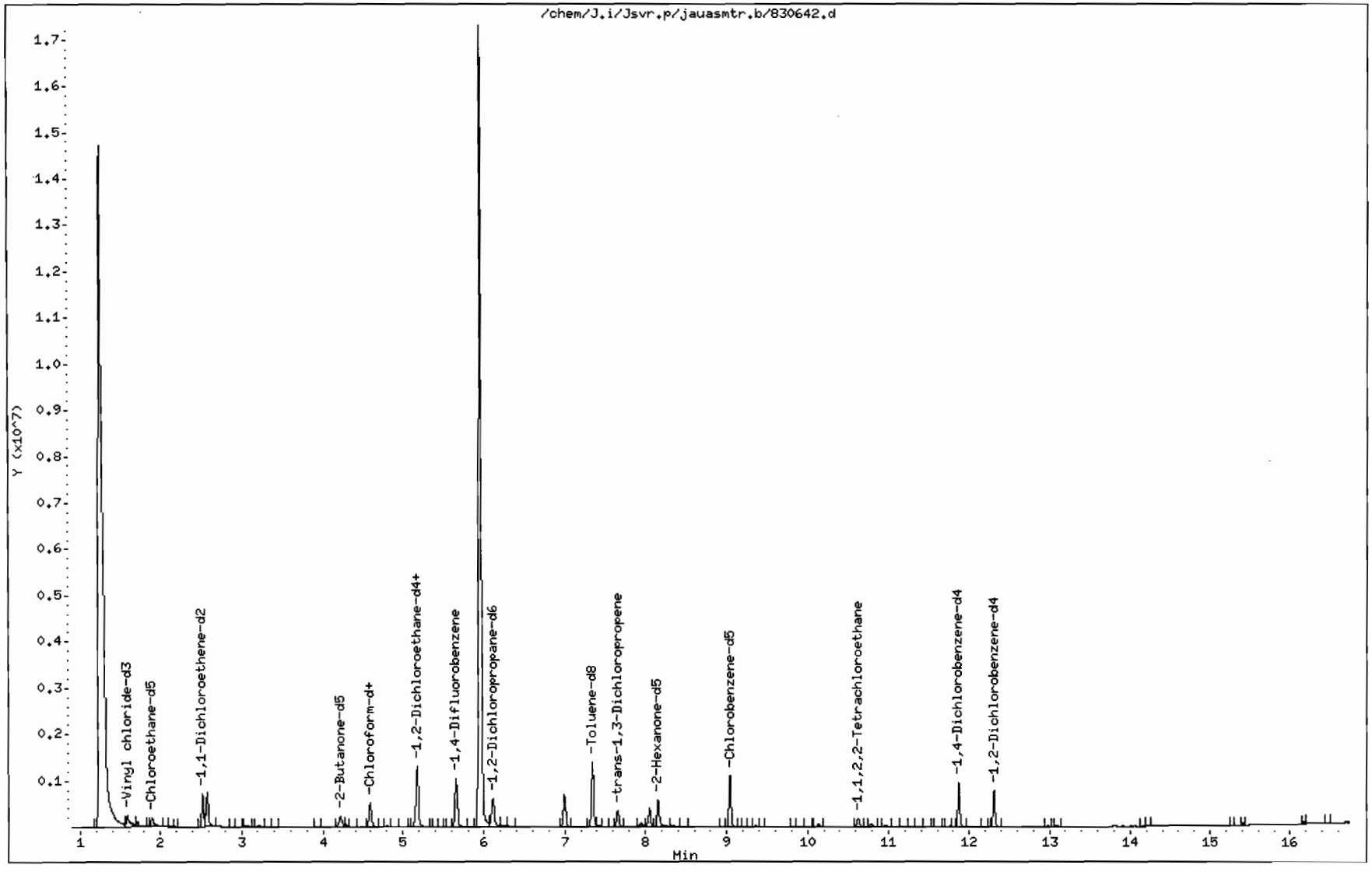
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	420-56-4	Trimethylsilyl fluoride	1.71	0.54	NJ
02		Unknown	7.00	3.1	JXB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d
Date : 25-MAY-2010 22:35
Client ID: ISCO IW05
Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/830642.d
Lab Smp Id: 830642 Client Smp ID: ISCO IW05
Inj Date : 25-MAY-2010 22:35
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW05 :[ ]05/20/10 @1100(WATER)
Misc Info : 830642,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.280)	390458	4.90194	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	313332	5.28392	5.3
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	511679	4.02436	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	2.584	2.584	(0.457)	996174	370.640	370(A)
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.217	3.217	(0.569)	31658	0.59699	0.60
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.215	4.221	(0.745)	321920	65.8198	66
	20 cis-1,2-Dichloroethene	96	4.264	4.257	(0.754)	8973	0.14857	0.15(a)
	21 2-Butanone	43	4.288	4.282	(0.758)	42781	7.79816	7.8
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.592	4.592	(0.812)	507192	4.98709	5.0
	24 Chloroform	83	4.610	4.610	(0.815)	28359	0.29236	0.29(aQ)
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	11246	0.12237	0.12(a)
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	4.988	4.987	(0.552)	3662	0.04767	0.048(a)
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	172767	5.35066	5.4
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1289790	5.36877	5.4
	30 Benzene	78	5.225	5.225	(0.578)	9413	0.03664	0.037(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	981104	5.00000	
	33 Trichloroethene	95	5.949	5.943	(0.658)	6792486	111.033	110(A)
$	34 1,2-Dichloropropane-d6	67	6.107	6.101	(0.676)	318131	5.10679	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	7.342	7.342	(0.812)	1085330	5.01609	5.0
	41 Toluene	91	7.421	7.421	(0.821)	24057	0.09188	0.092(a)
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	231215	5.22906	5.2
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	7.908	7.901	(0.875)	1888	0.08535	0.085(a)
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	106878	2.24747	2.2
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	252488	64.3425	64
	47 2-Hexanone	43	8.218	8.218	(0.909)	9713	1.19918	1.2(aH)
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	721608	5.00000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	9.356	9.355	(1.035)	4733	0.04234	0.042(a)
	54 Styrene	104	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	56 Bromoform	173	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	120123	6.06945	6.1
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.874	(1.000)	301851	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	229503	5.23948	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).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/830642.d
Lab Smp Id: 830642 Client Smp ID: ISCO IW05
Inj Date : 25-MAY-2010 22:35
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW05 :[ ]05/20/10 @1100(WATER)
Misc Info : 830642,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2210295	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Trimethylsilyl fluoride				CAS #: 420-56-4			
1.715	239929	0.54275370	0.54	90	NIST05.1	2373	32
Unknown				CAS #:			
6.995	1368147	3.09494067	3.1	0		0	32

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

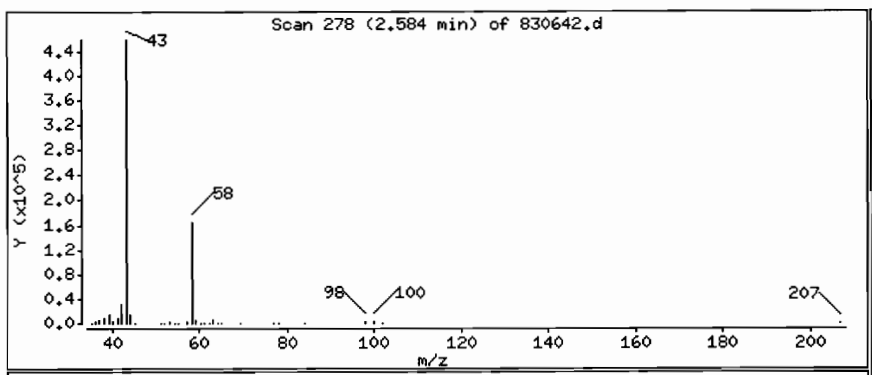
Client ID: ISCO IW05 Instrument: J.i

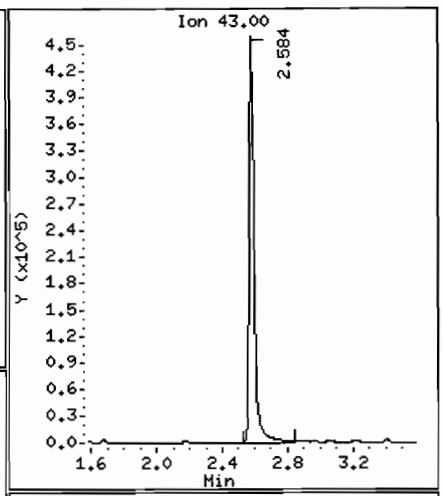
Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)

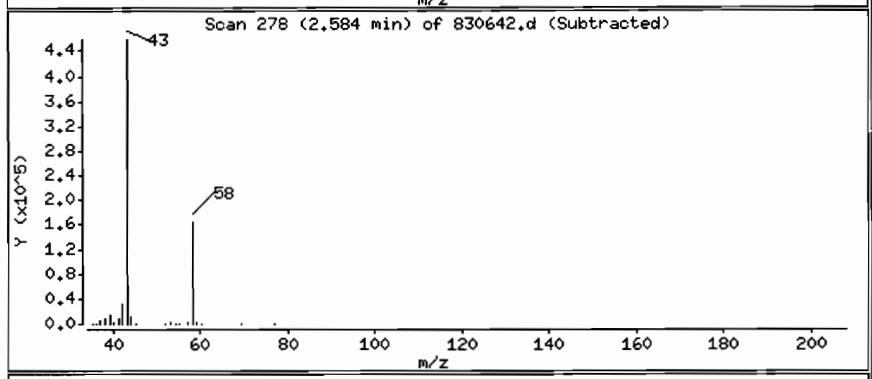
Purge Volume: 25.0 Operator: JP1

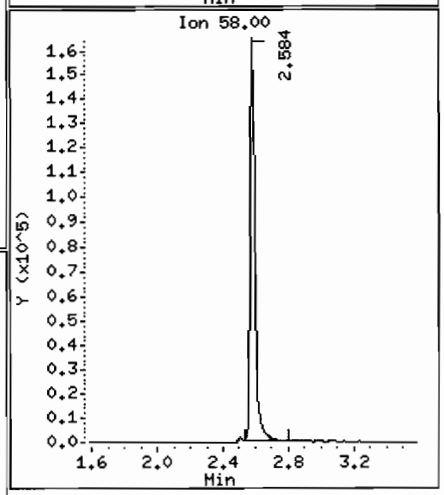
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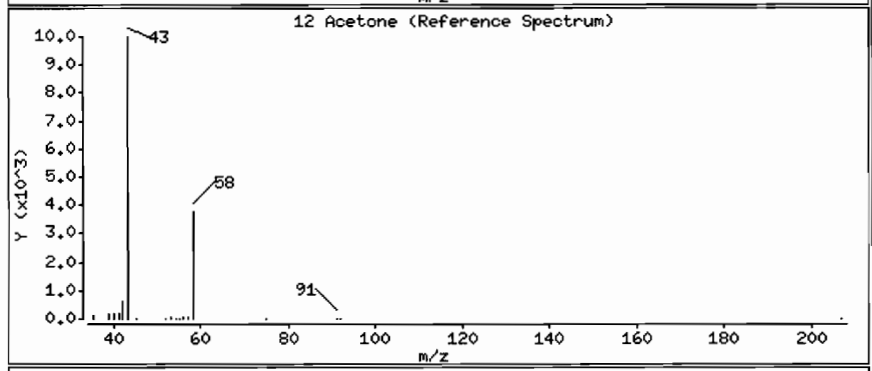
12 Acetone Concentration: 370 ug/L

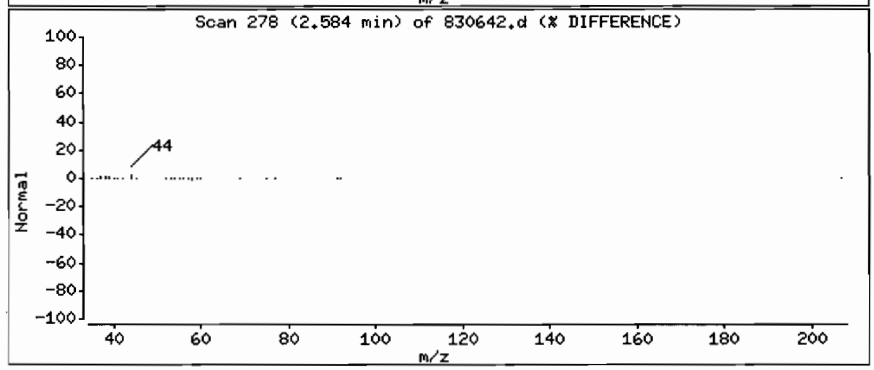












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[05/20/10 @1100(WATER)

Purge Volume: 25.0

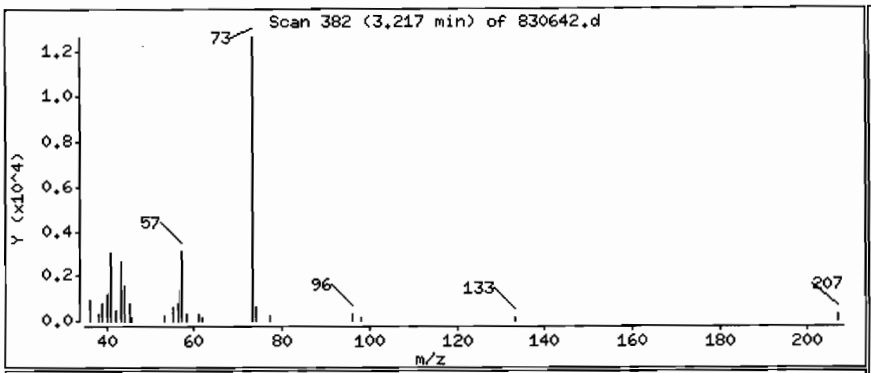
Operator: JP1

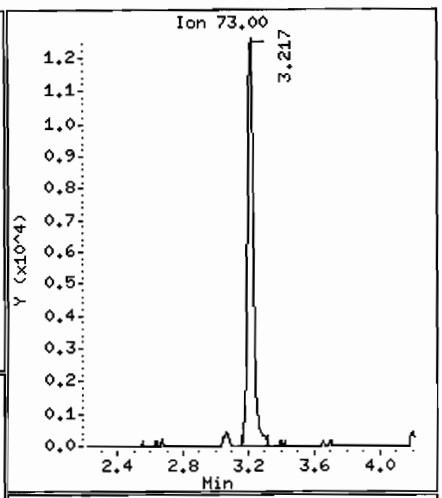
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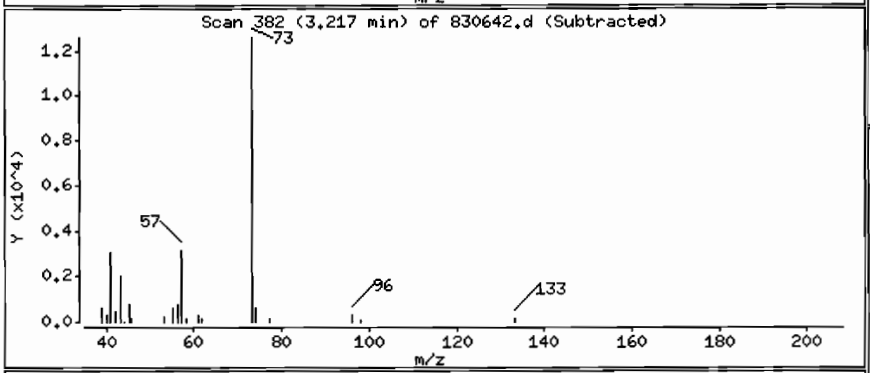
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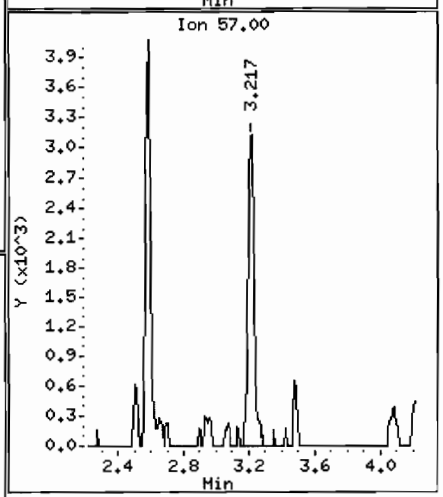
17 Methyl tert-butyl ether

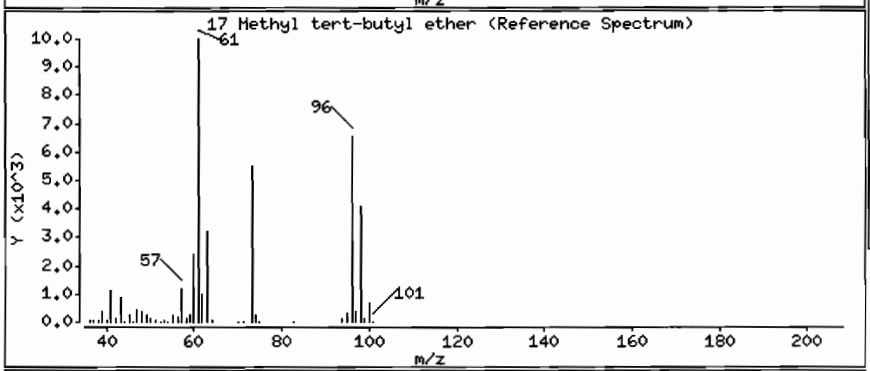
Concentration: 0.60 ug/L

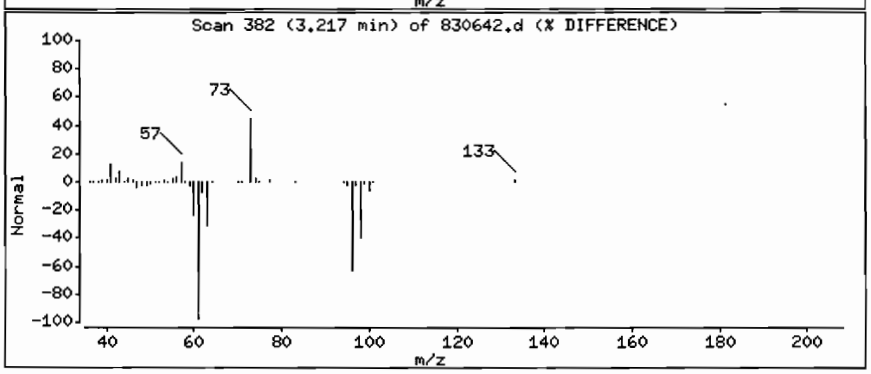












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

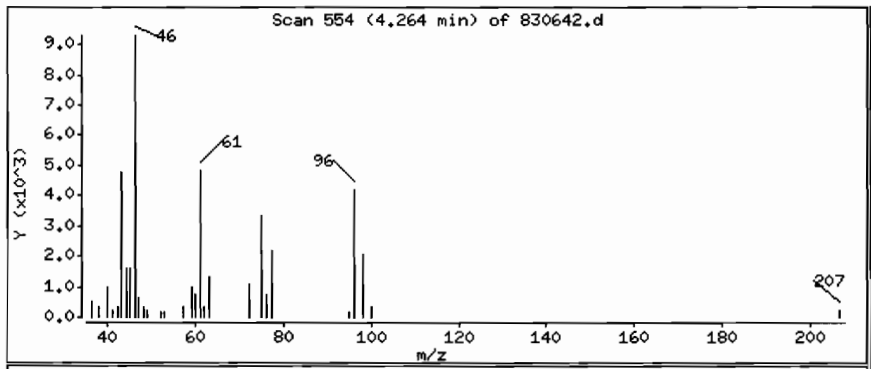
Client ID: ISCO IW05 Instrument: J.i

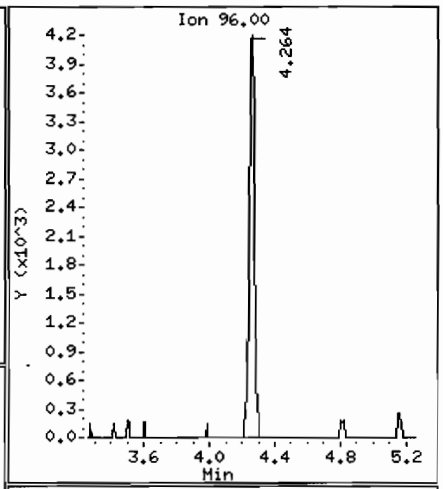
Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

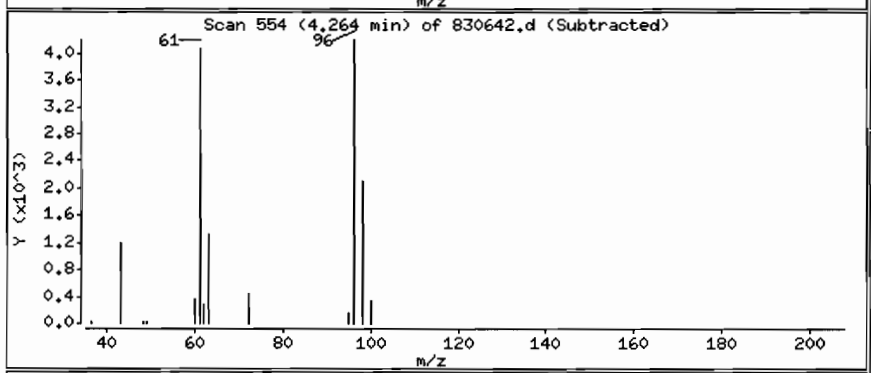
Purge Volume: 25.0 Operator: JP1

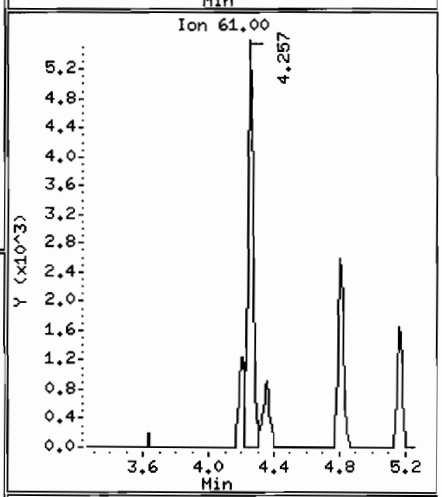
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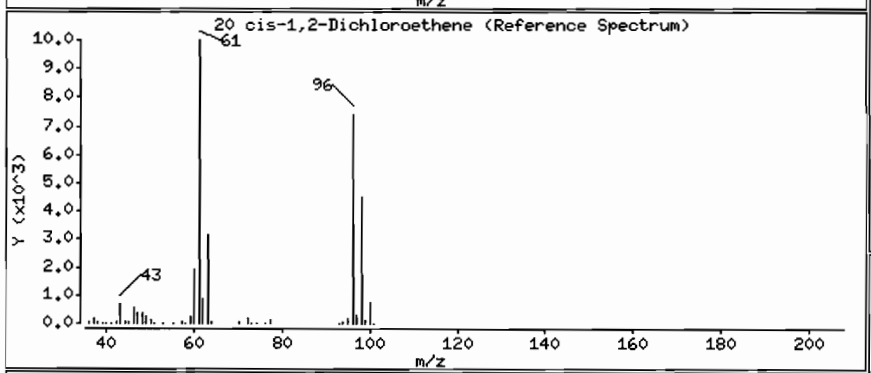
20 cis-1,2-Dichloroethene Concentration: 0.15 ug/L

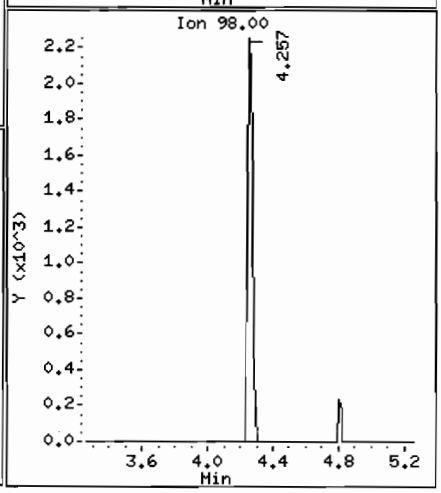


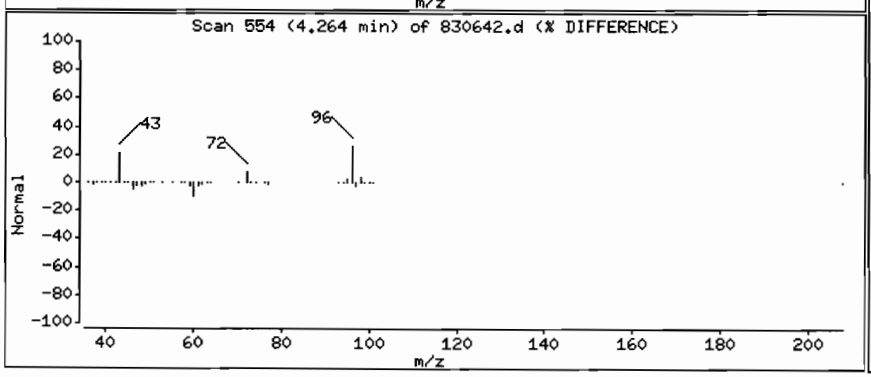












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

Purge Volume: 25.0

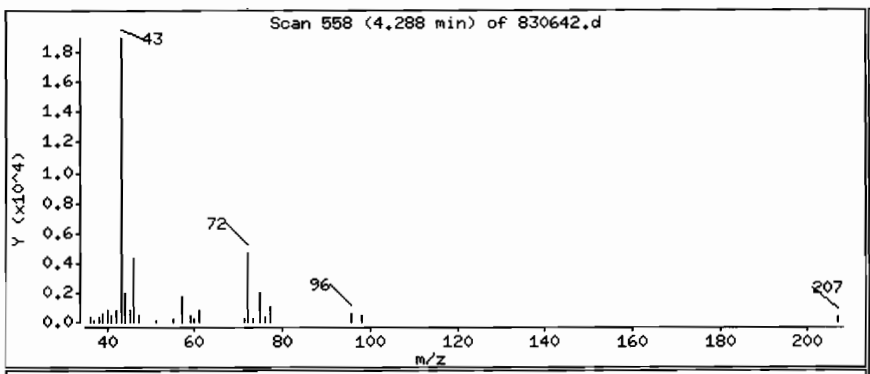
Operator: JP1

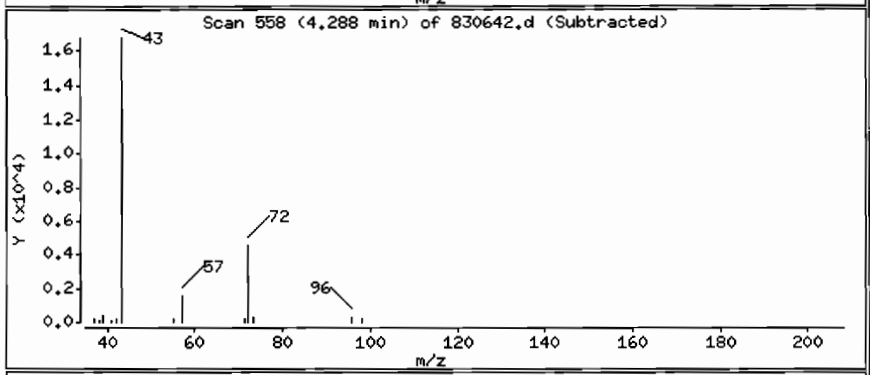
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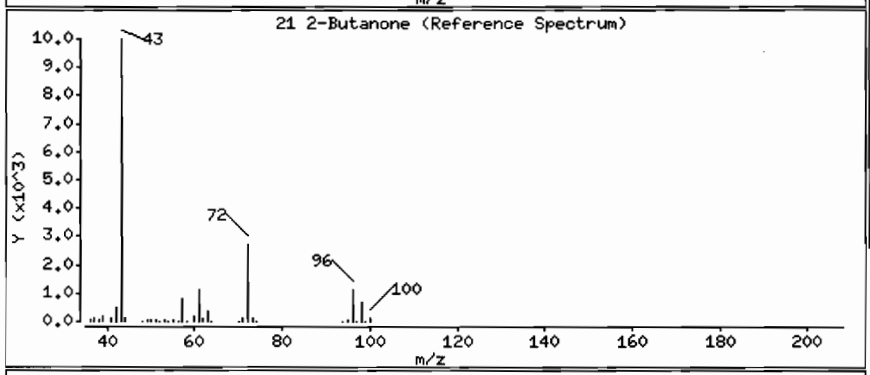
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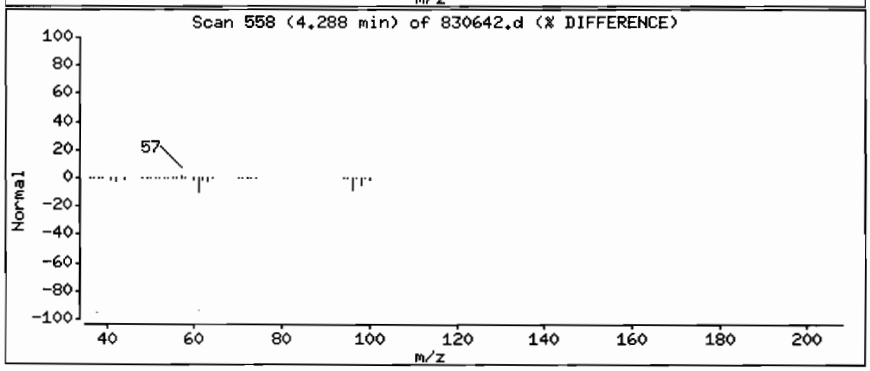
21 2-Butanone

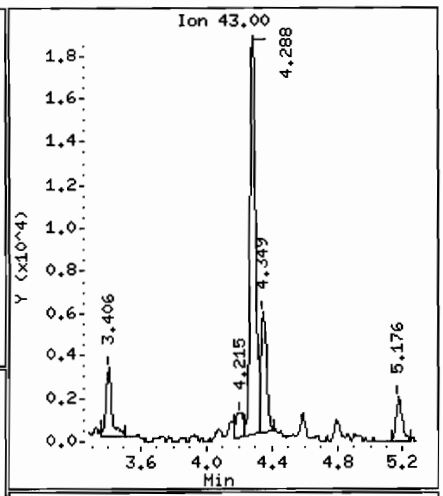
Concentration: 7.8 ug/L

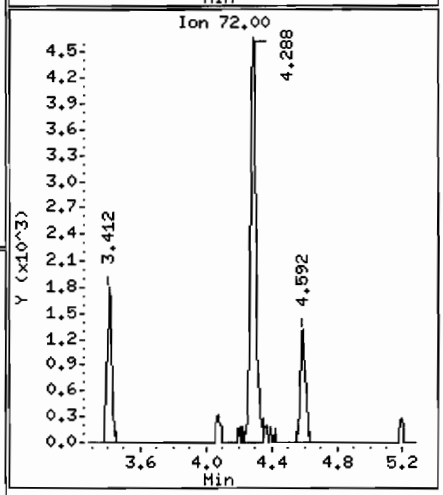












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

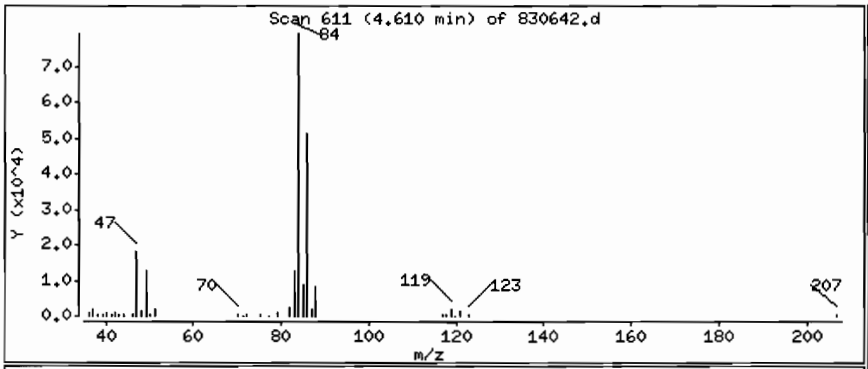
Client ID: ISCO IW05 Instrument: J.i

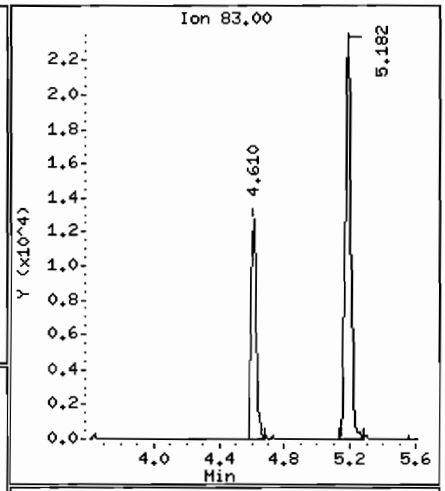
Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

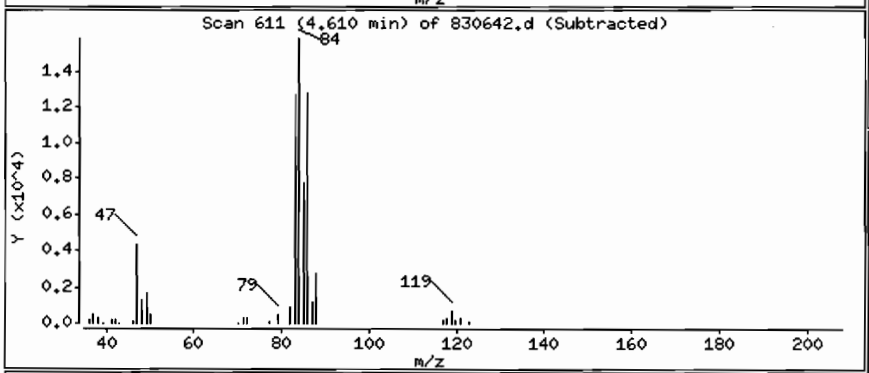
Purge Volume: 25.0 Operator: JP1

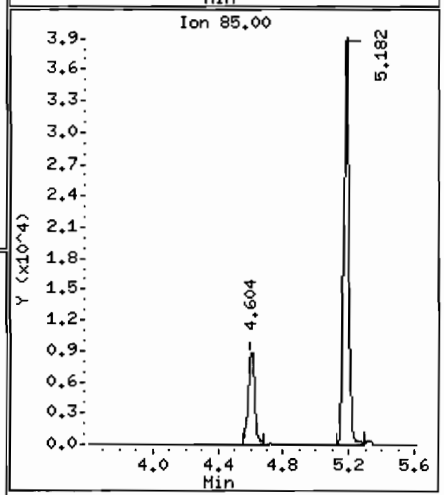
Column phase: DB-624 Column diameter: 0.53

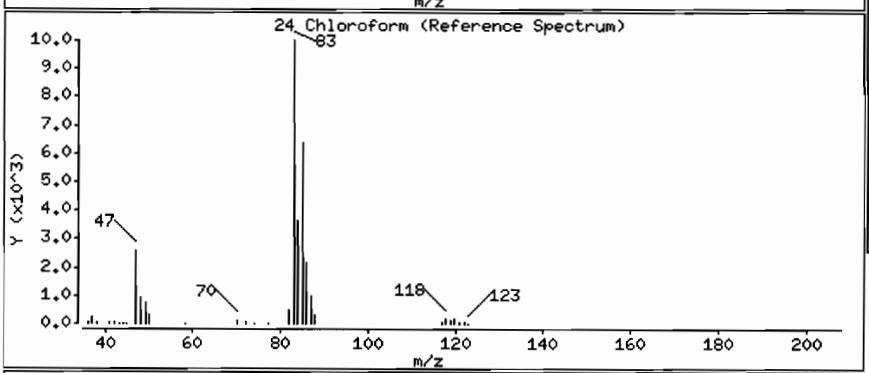
24 Chloroform Concentration: 0.29 ug/L

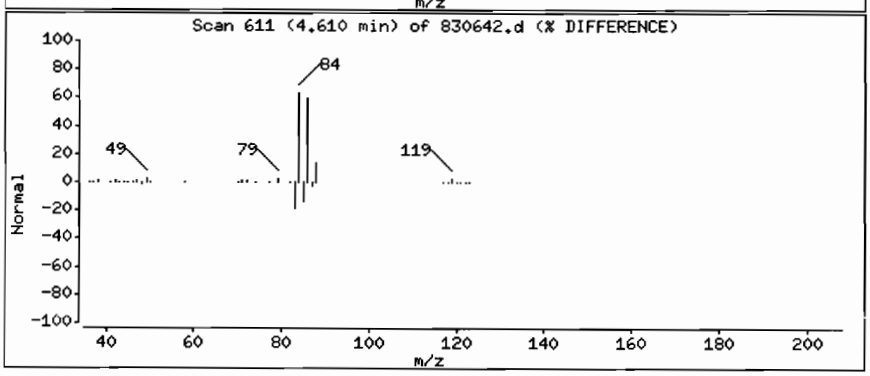












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

Purge Volume: 25.0

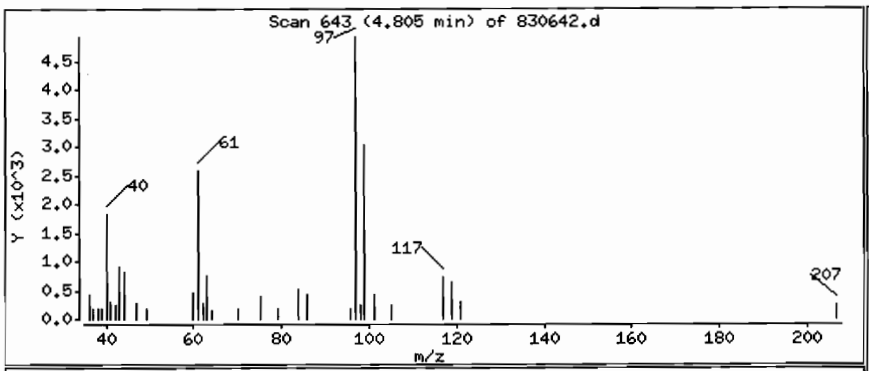
Operator: JP1

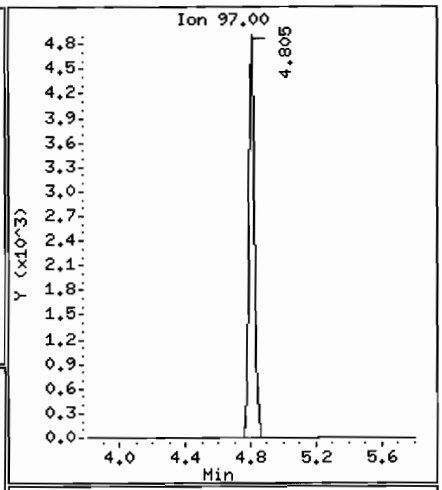
Column phase: DB-624

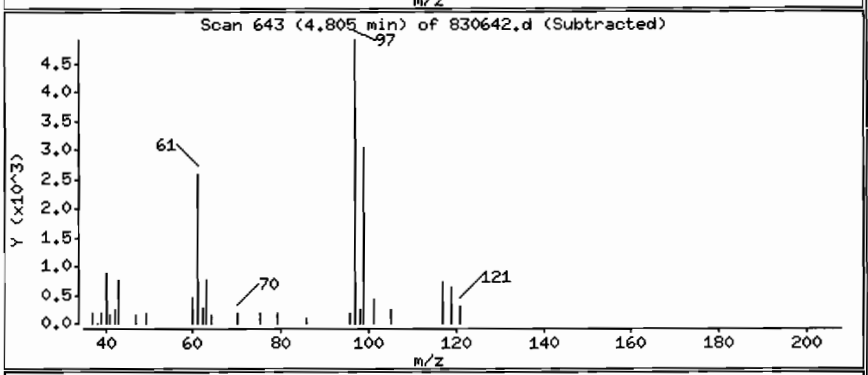
Column diameter: 0.53

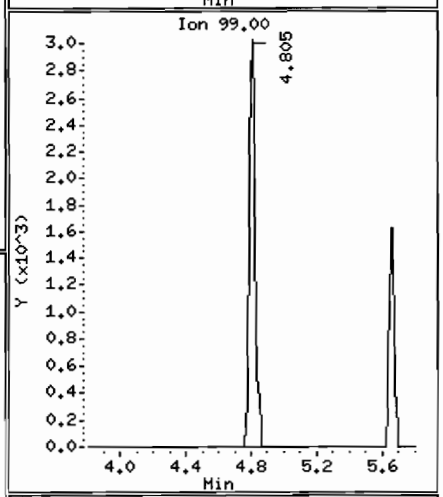
25 1,1,1-Trichloroethane

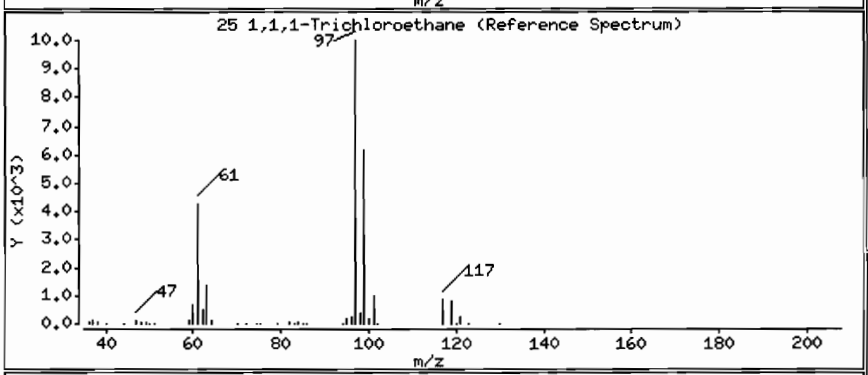
Concentration: 0.12 ug/L

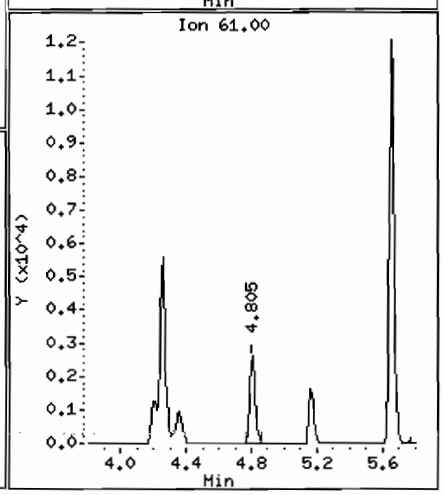


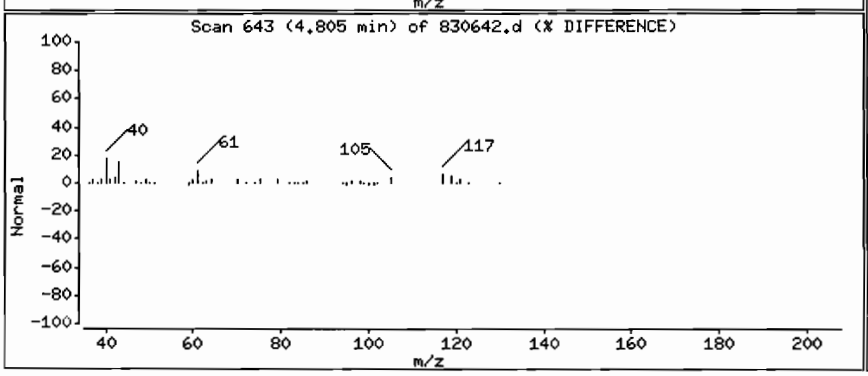












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

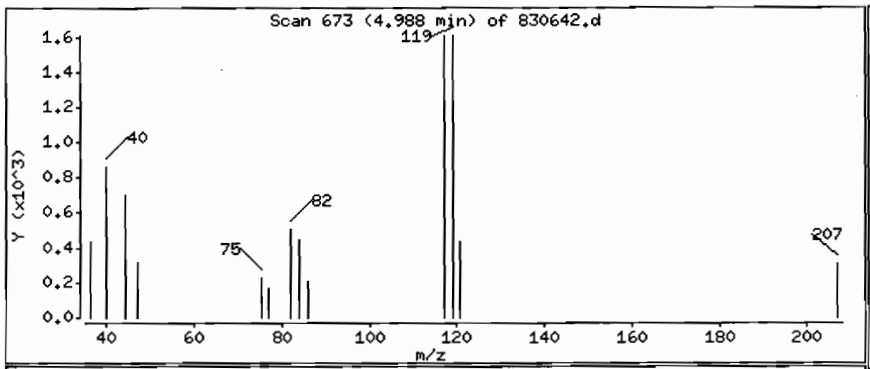
Client ID: ISCO IW05 Instrument: J.i

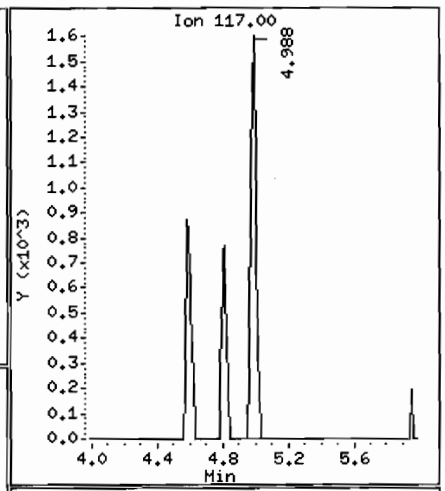
Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)

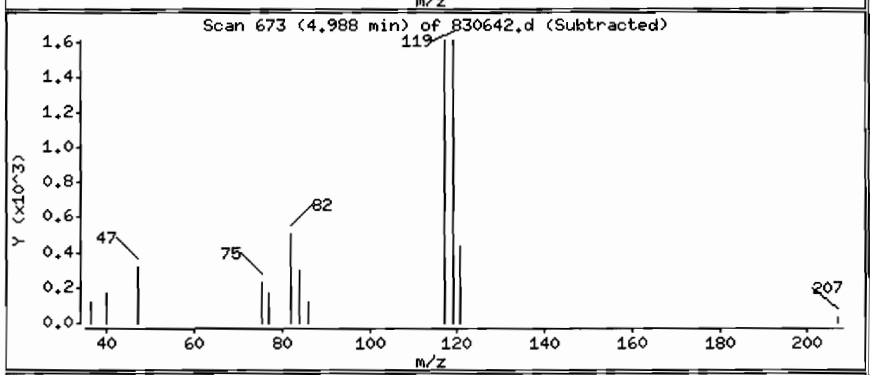
Purge Volume: 25.0 Operator: JP1

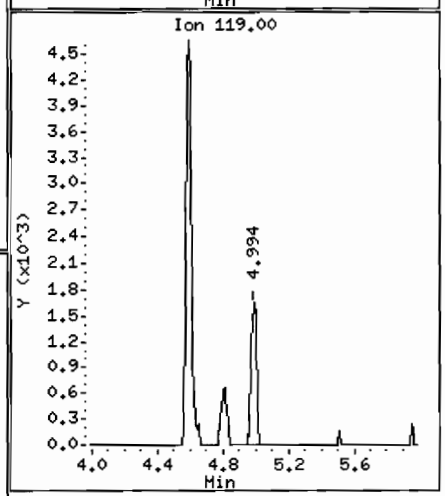
Column phase: DB-624 Column diameter: 0.53

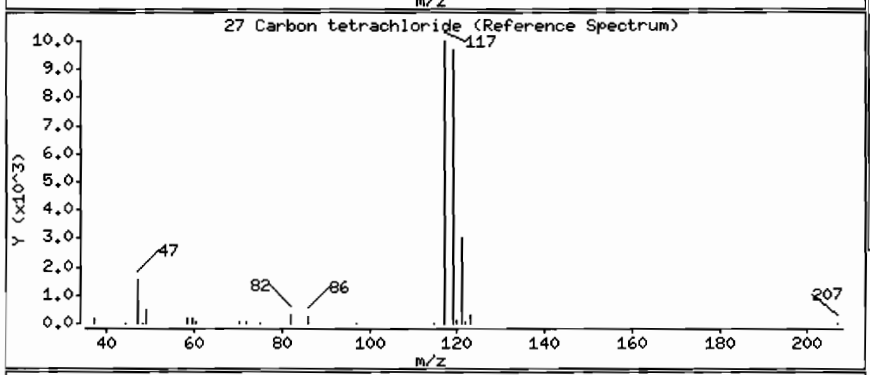
27 Carbon tetrachloride Concentration: 0.048 ug/L

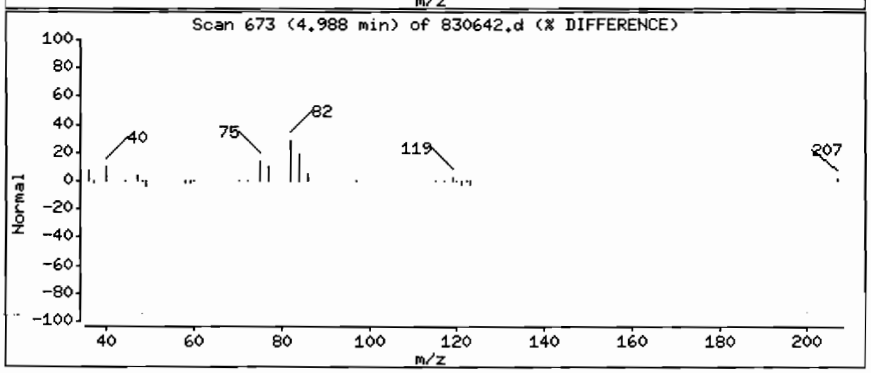












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[05/20/10 @1100(WATER)

Purge Volume: 25.0

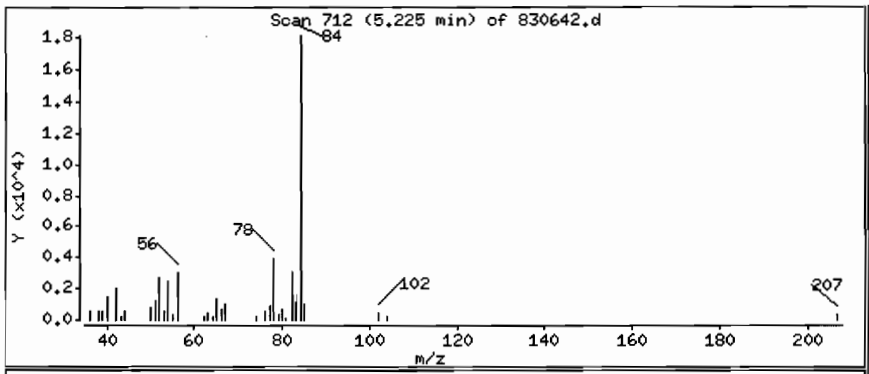
Operator: JP1

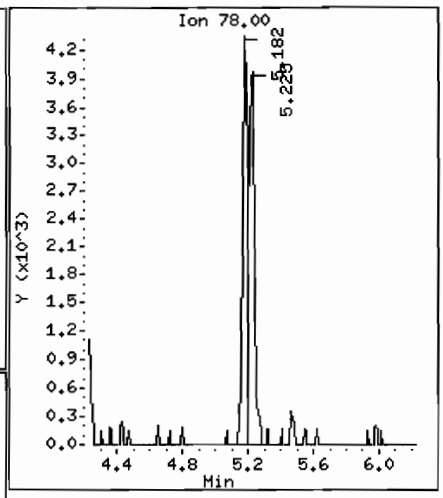
Column phase: DB-624

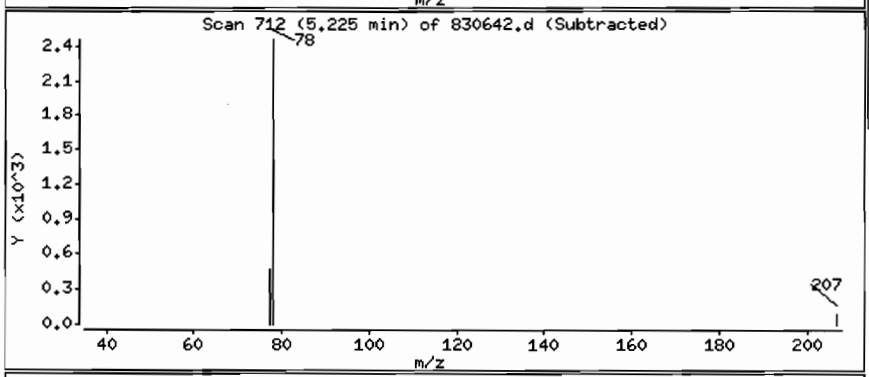
Column diameter: 0.53

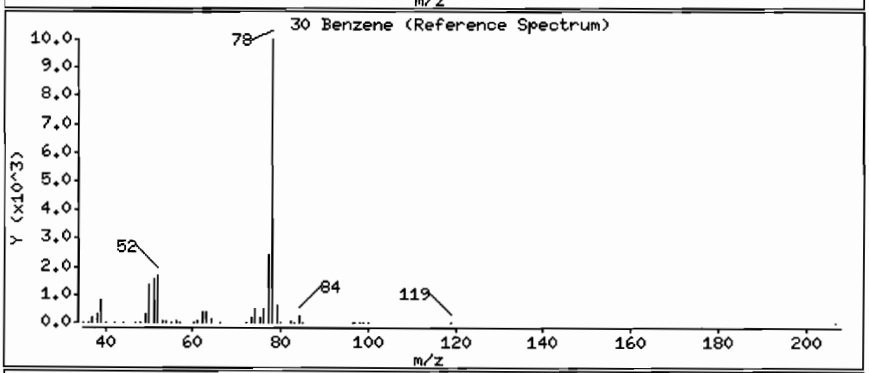
30 Benzene

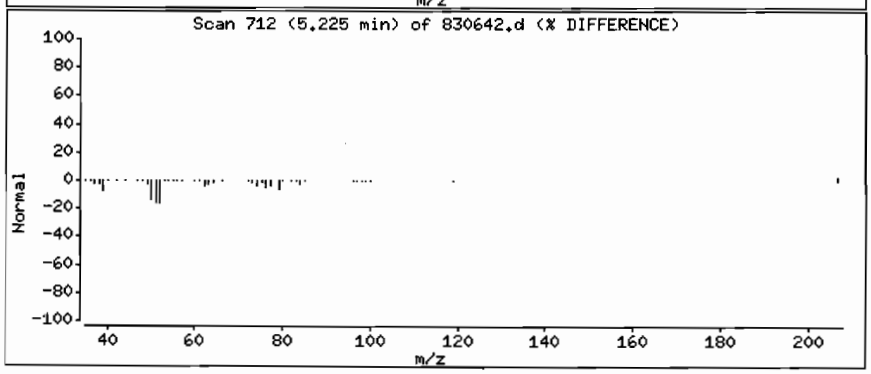
Concentration: 0.037 ug/L











Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[05/20/10 @1100(WATER)

Purge Volume: 25.0

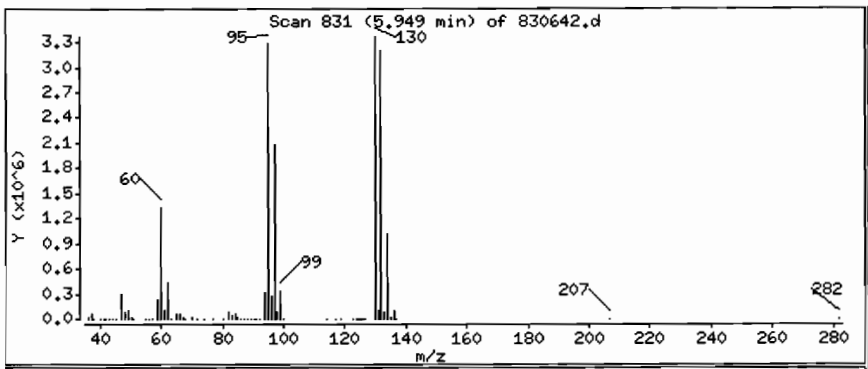
Operator: JP1

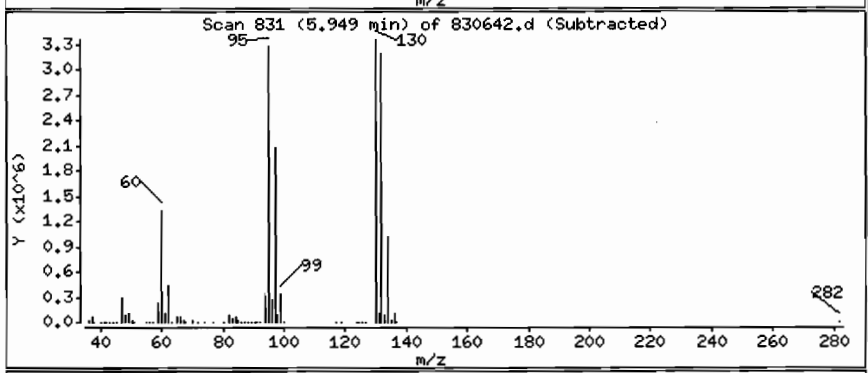
Column phase: DB-624

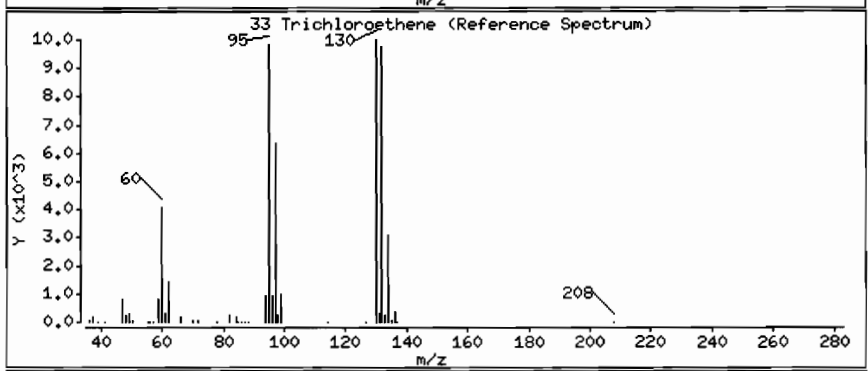
Column diameter: 0.53

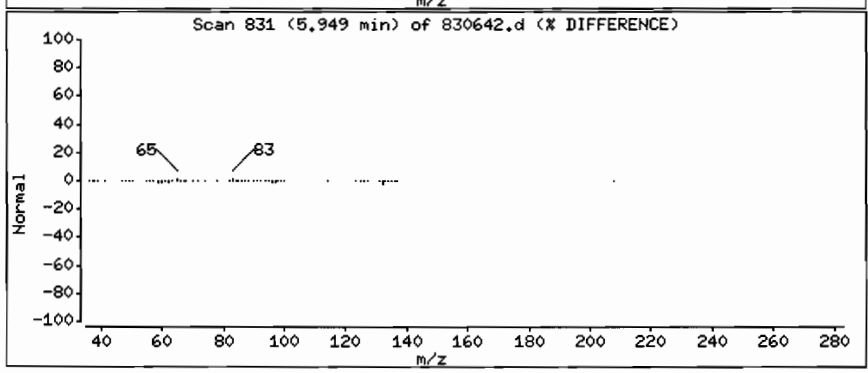
33 Trichloroethene

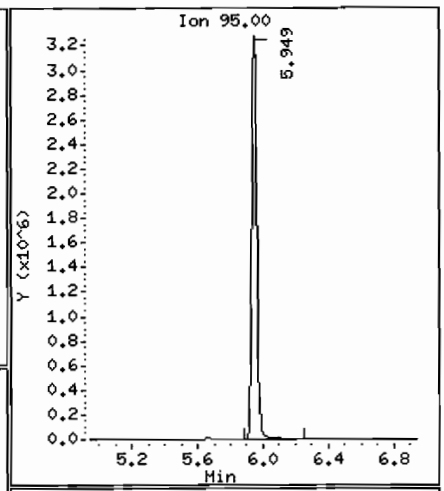
Concentration: 110 ug/L

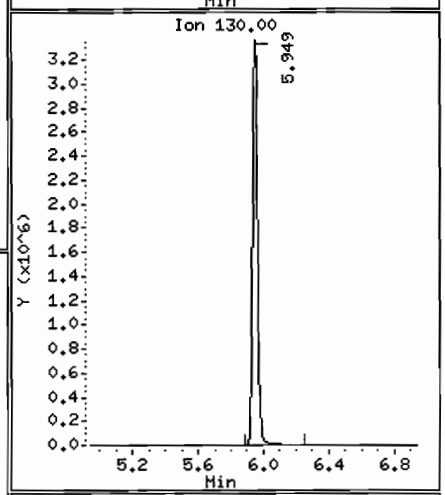


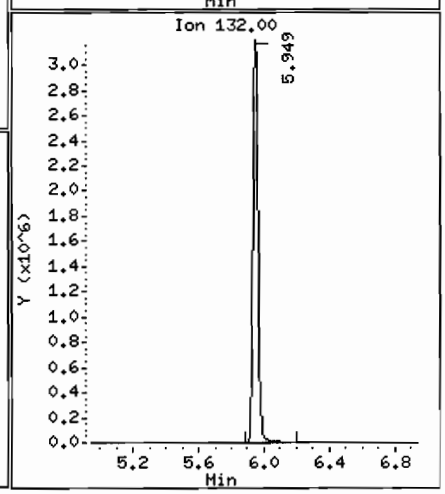












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[105/20/10 @1100(WATER)

Purge Volume: 25.0

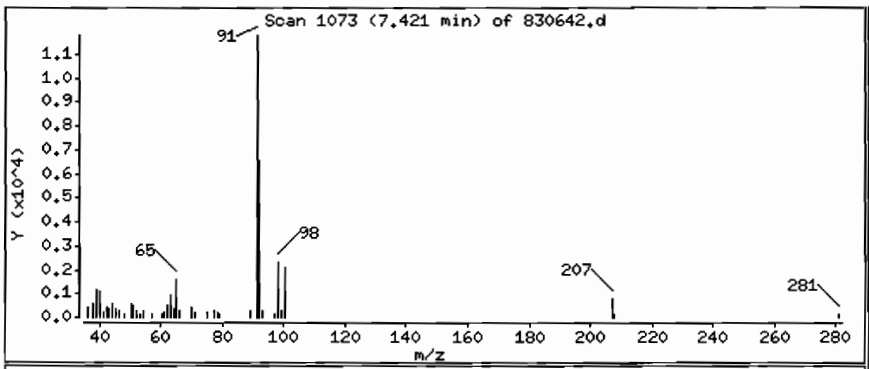
Operator: JP1

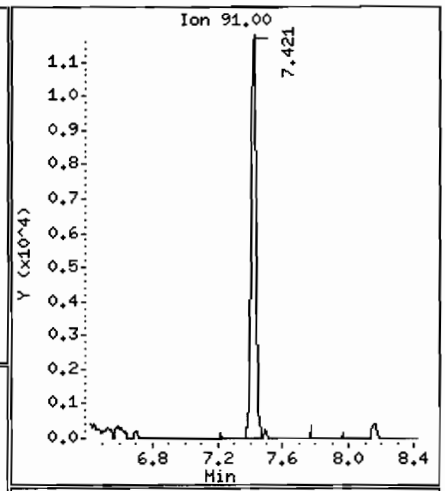
Column phase: DB-624

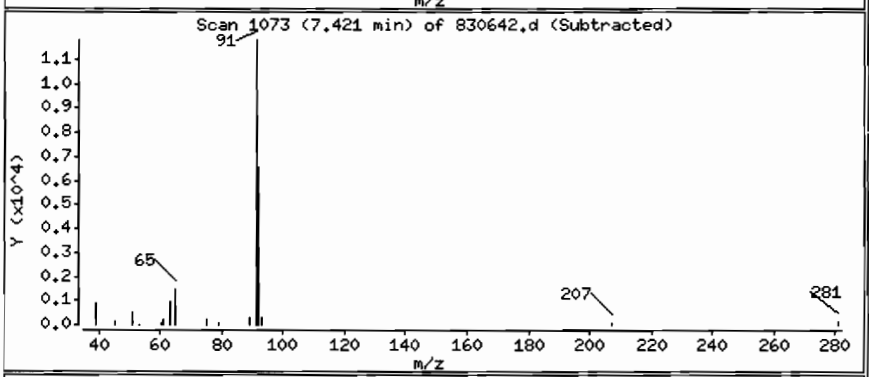
Column diameter: 0.53

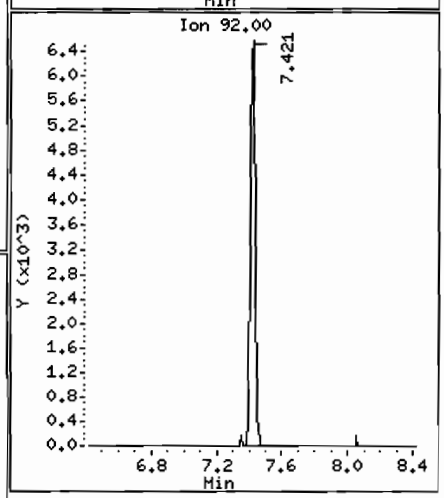
41 Toluene

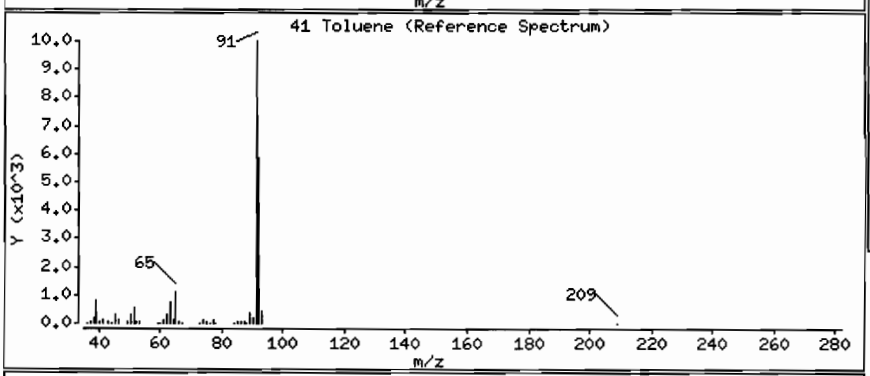
Concentration: 0.092 ug/L

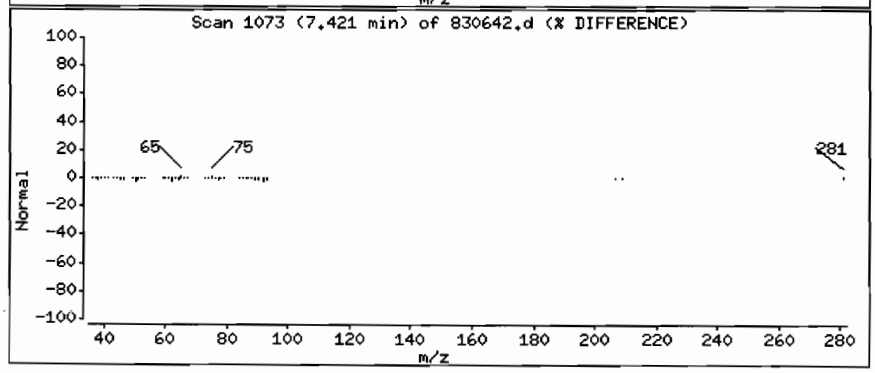












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[05/20/10 @1100(WATER)

Purge Volume: 25.0

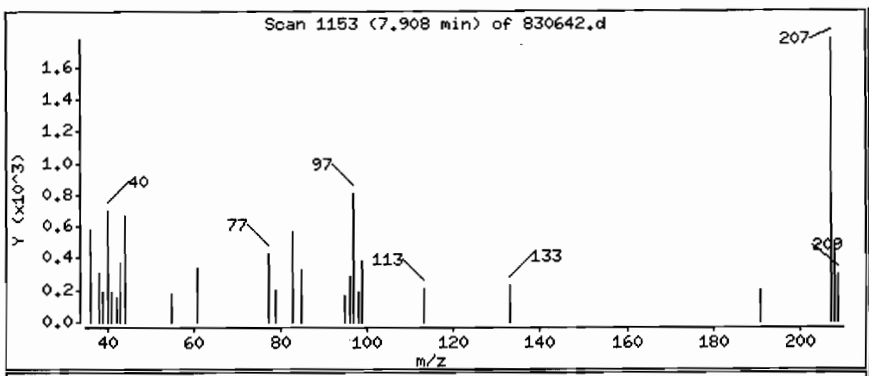
Operator: JP1

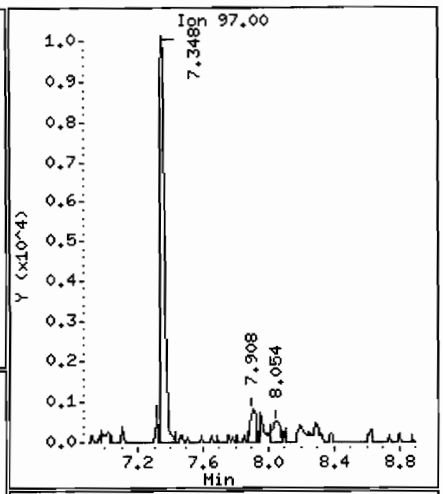
Column phase: DB-624

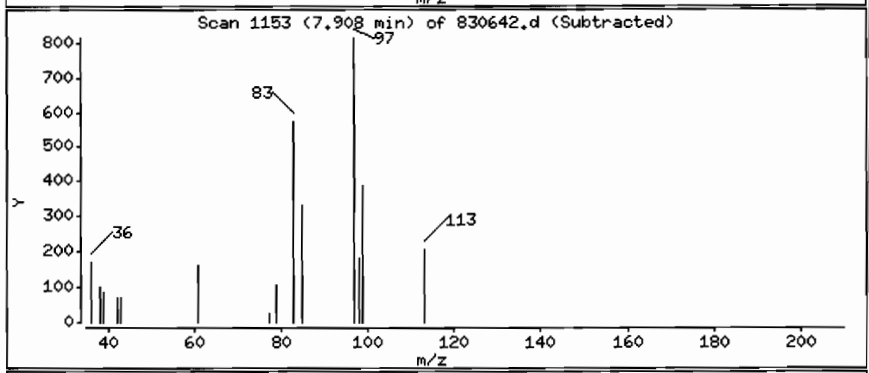
Column diameter: 0.53

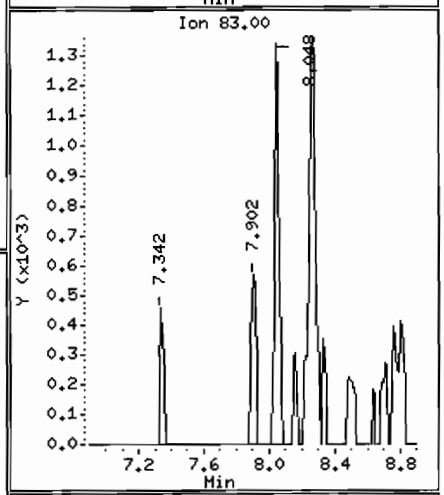
44 1,1,2-Trichloroethane

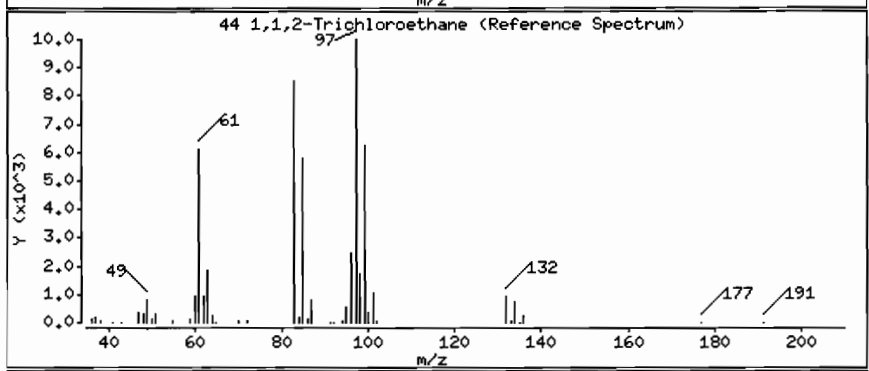
Concentration: 0.085 ug/L

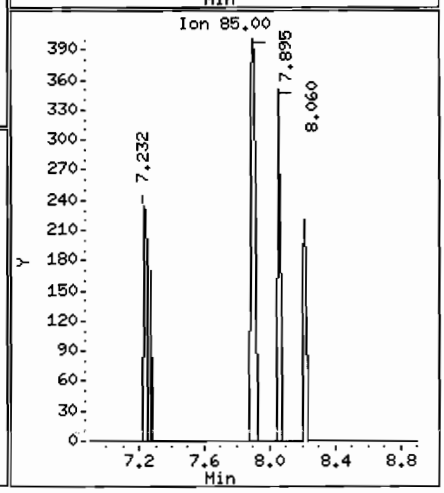


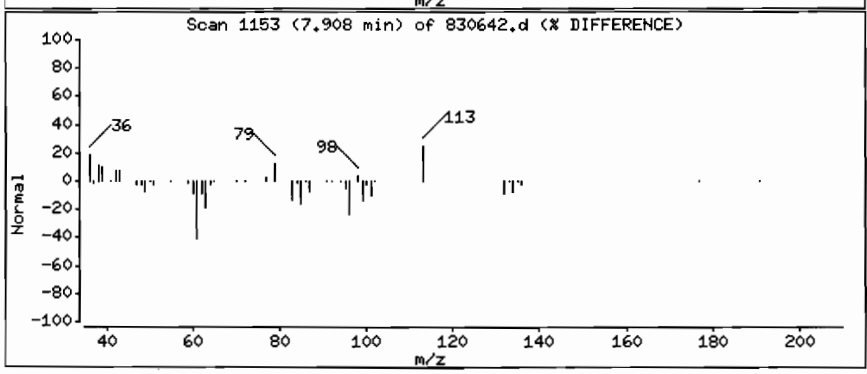












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

Purge Volume: 25.0

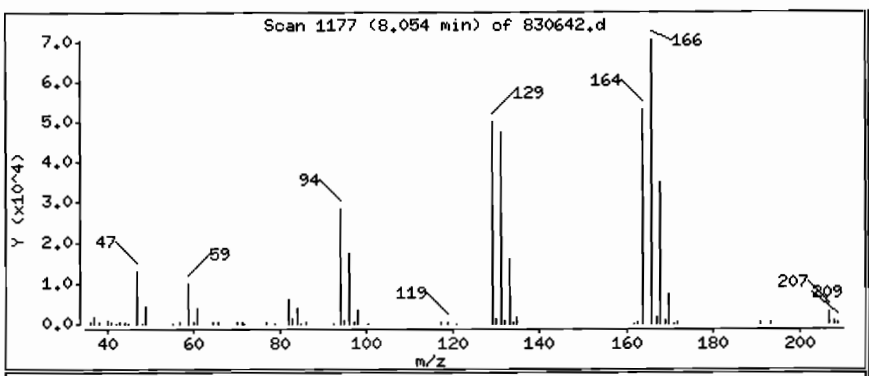
Operator: JP1

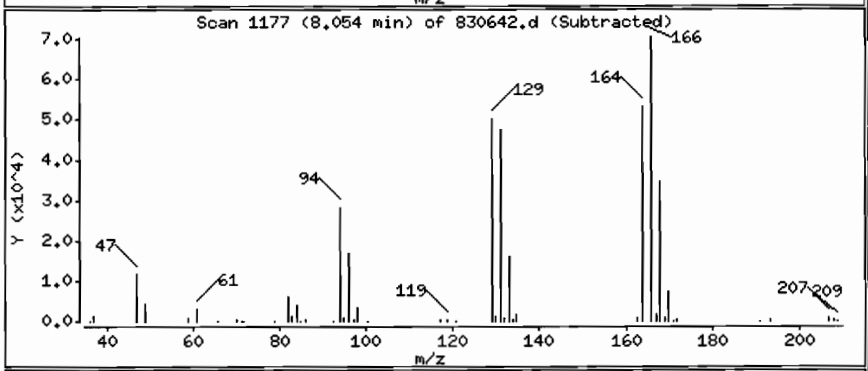
Column phase: DB-624

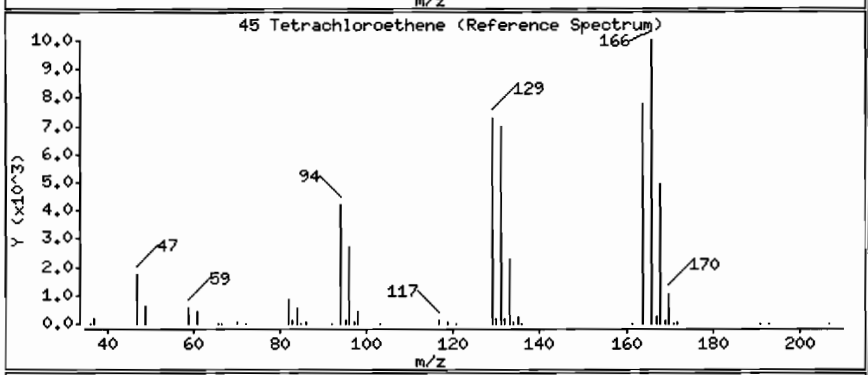
Column diameter: 0.53

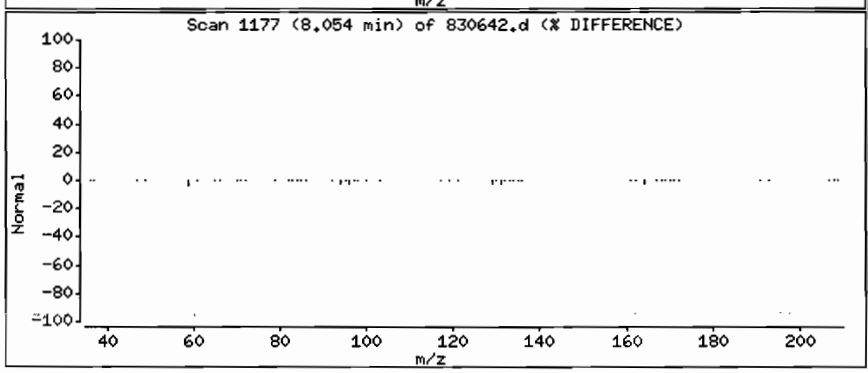
45 Tetrachloroethene

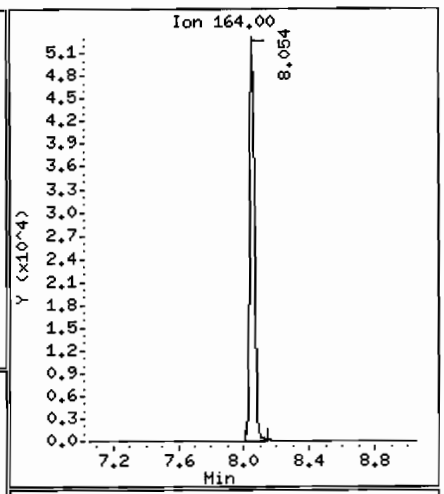
Concentration: 2.2 ug/L

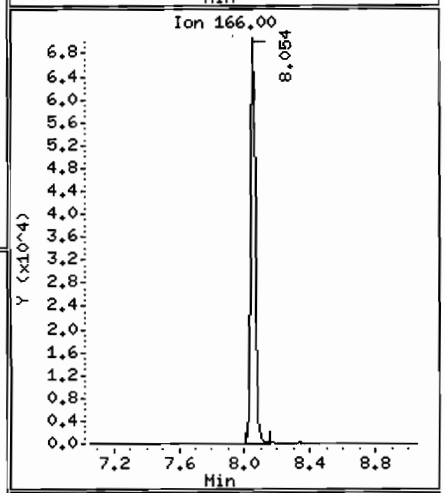


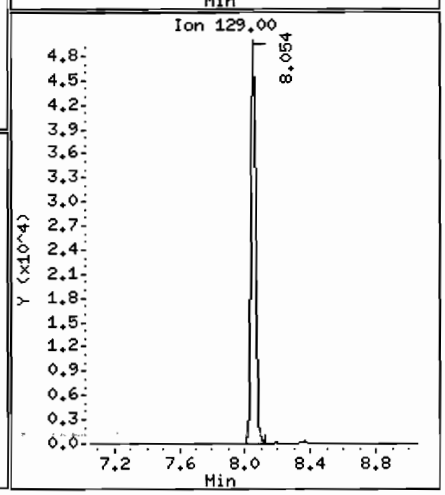












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)

Purge Volume: 25.0

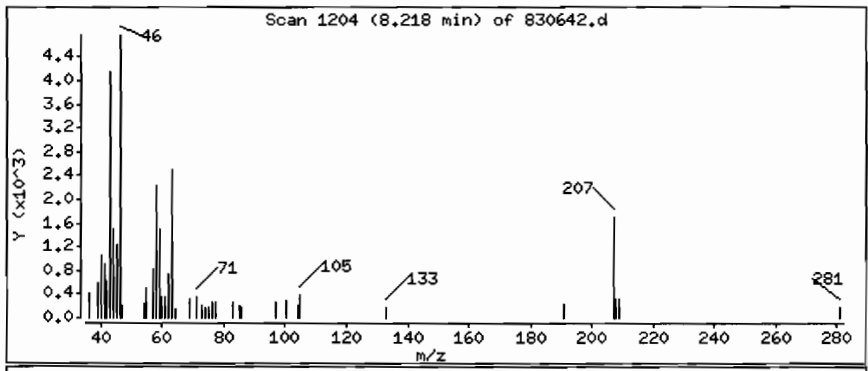
Operator: JP1

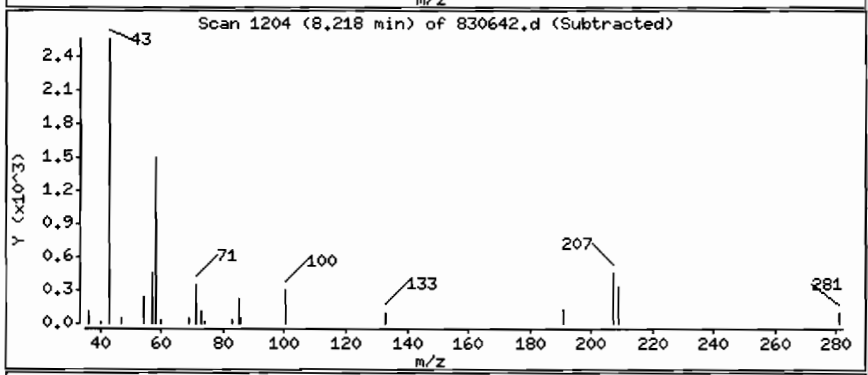
Column phase: DB-624

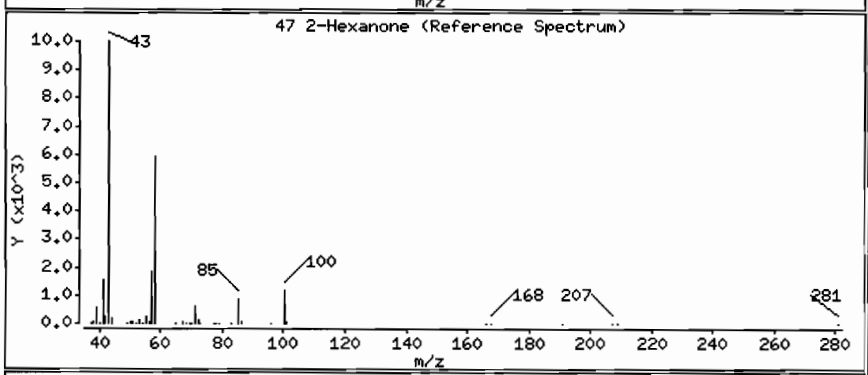
Column diameter: 0.53

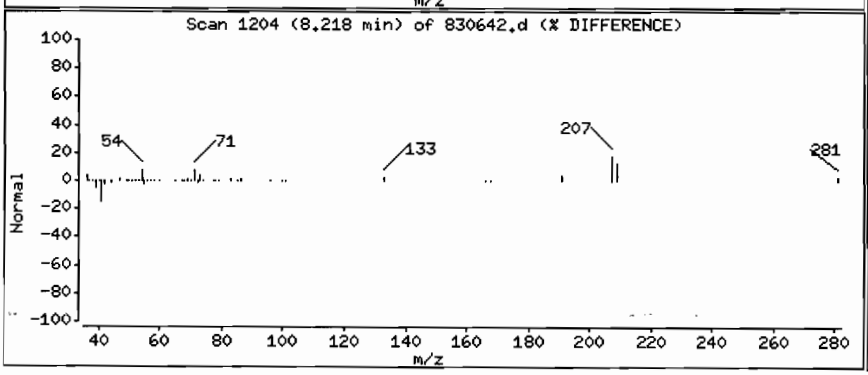
47 2-Hexanone

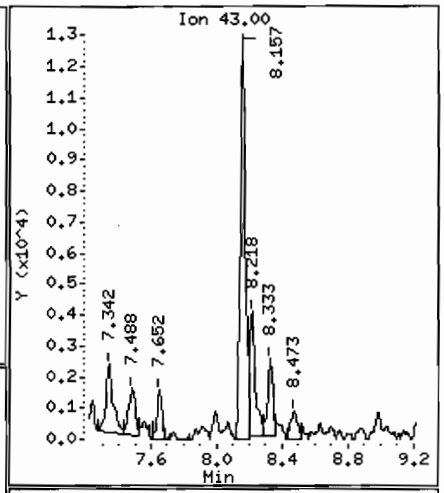
Concentration: 1.2 ug/L

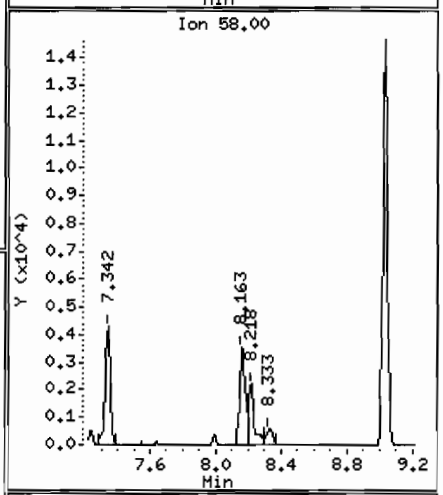


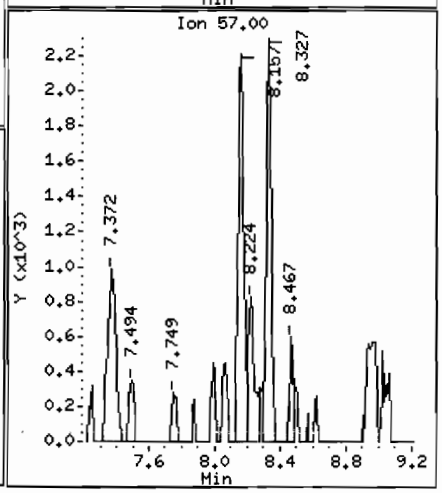












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

Client ID: ISCO IW05

Instrument: J.i

Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

Purge Volume: 25.0

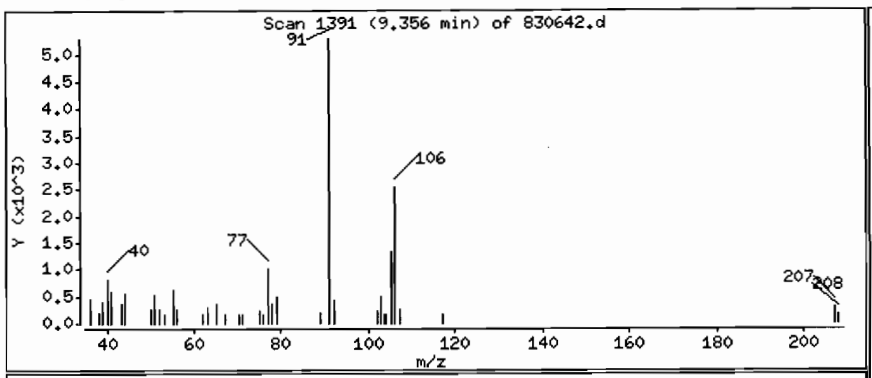
Operator: JP1

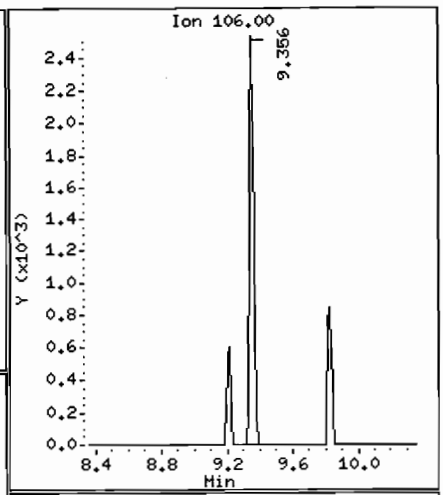
Column phase: DB-624

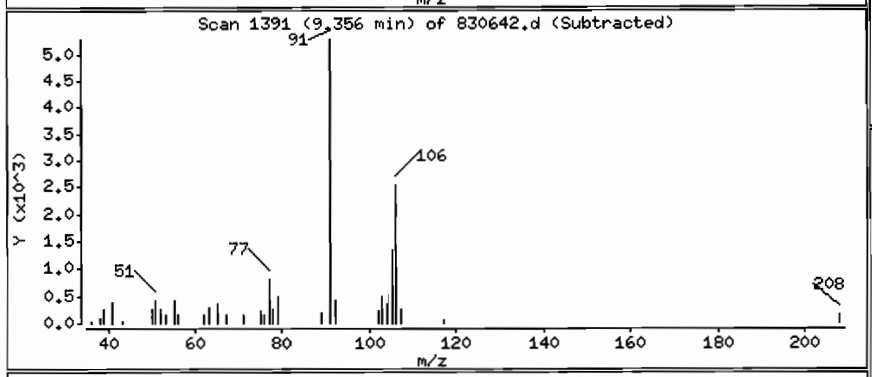
Column diameter: 0.53

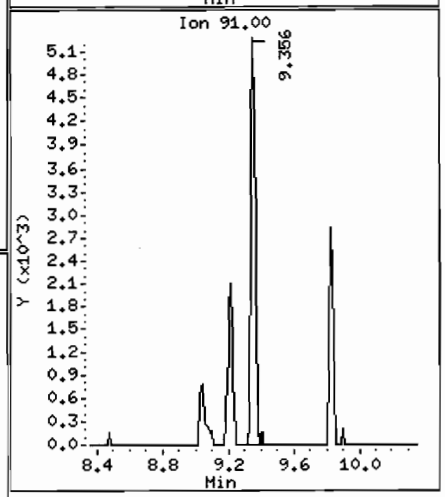
53 m,p-Xylene

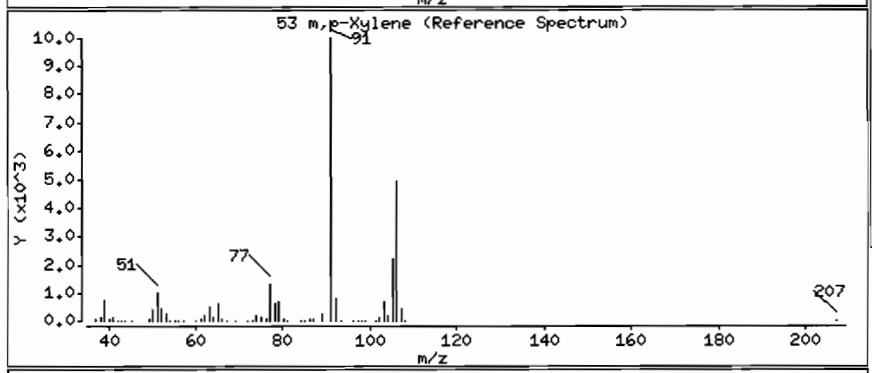
Concentration: 0.042 ug/L

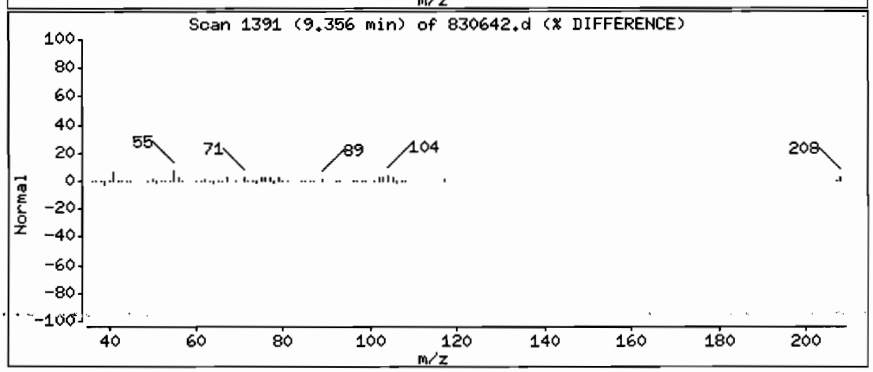












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

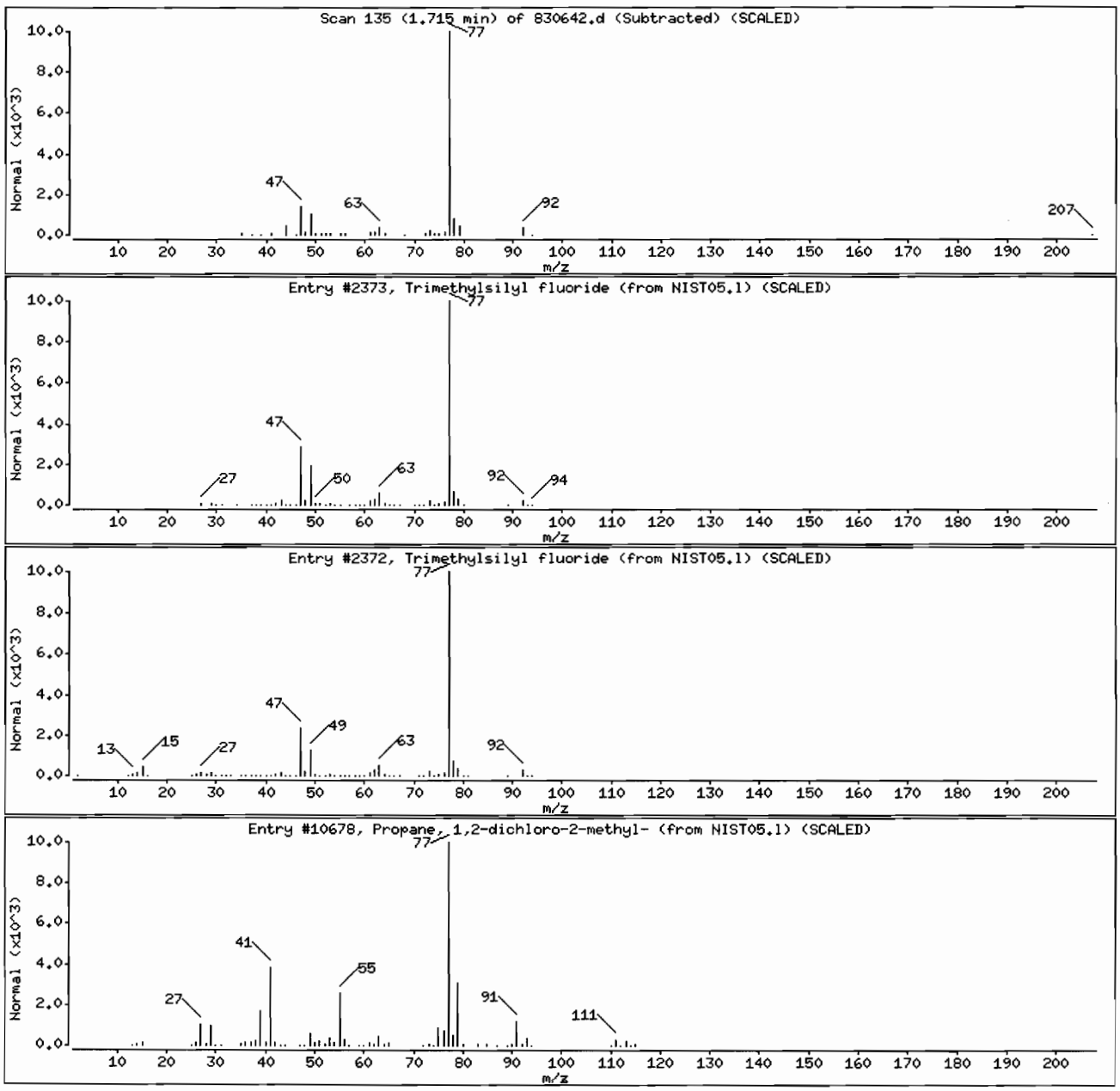
Client ID: ISCO IW05 Instrument: J.i

Sample Info: ISCO IW05 :[105/20/10 @1100(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

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	72	C3H9FSi	92
Propane, 1,2-dichloro-2-methyl-	594-37-6	NIST05.1	10678	38	C4H8Cl2	126



Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830642.d

Date : 25-MAY-2010 22:35

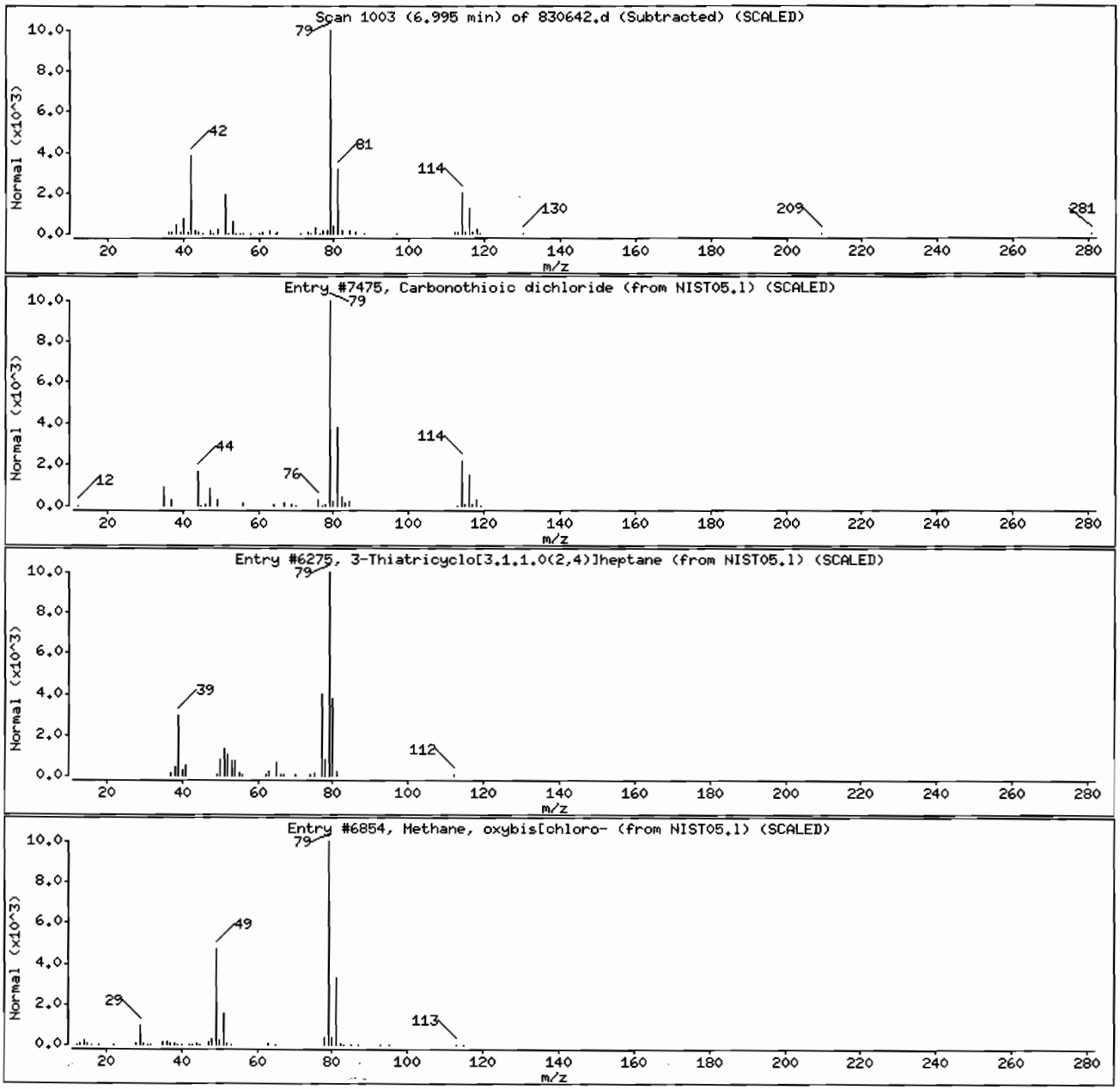
Client ID: ISCO IW05 Instrument: J.i

Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830642D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830642D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 9.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	4.6	U
74-87-3	Chloromethane	4.6	U
75-01-4	Vinyl chloride	4.6	U
74-83-9	Bromomethane	4.6	U
75-00-3	Chloroethane	4.6	U
75-69-4	Trichlorofluoromethane	4.6	U
75-35-4	1,1-Dichloroethene	4.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U
67-64-1	Acetone	290	DB
75-15-0	Carbon disulfide	4.6	U
79-20-9	Methyl acetate	4.6	U
75-09-2	Methylene chloride	0.79	DJB
156-60-5	trans-1,2-Dichloroethene	4.6	U
1634-04-4	Methyl tert-butyl ether	0.50	DJ
75-34-3	1,1-Dichloroethane	4.6	U
156-59-2	cis-1,2-Dichloroethene	4.6	U
78-93-3	2-Butanone	8.9	DJ
74-97-5	Bromochloromethane	4.6	U
67-66-3	Chloroform	4.6	U
71-55-6	1,1,1-Trichloroethane	4.6	U
110-82-7	Cyclohexane	4.6	U
56-23-5	Carbon tetrachloride	4.6	U
71-43-2	Benzene	4.6	U
107-06-2	1,2-Dichloroethane	4.6	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830642D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830642D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 9.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	120	D
108-87-2	Methylcyclohexane	4.6	U
78-87-5	1,2-Dichloropropane	4.6	U
75-27-4	Bromodichloromethane	4.6	U
10061-01-5	cis-1,3-Dichloropropene	4.6	U
108-10-1	4-Methyl-2-pentanone	46	U
108-88-3	Toluene	4.6	U
10061-02-6	trans-1,3-Dichloropropene	4.6	U
79-00-5	1,1,2-Trichloroethane	4.6	U
127-18-4	Tetrachloroethene	2.4	DJ
591-78-6	2-Hexanone	5.4	DJB
124-48-1	Dibromochloromethane	4.6	U
106-93-4	1,2-Dibromoethane	4.6	U
108-90-7	Chlorobenzene	4.6	U
100-41-4	Ethylbenzene	4.6	U
95-47-6	o-Xylene	4.6	U
179601-23-1	m,p-Xylene	4.6	U
100-42-5	Styrene	4.6	U
75-25-2	Bromoform	4.6	U
98-82-8	Isopropylbenzene	4.6	U
79-34-5	1,1,2,2-Tetrachloroethane	4.6	U
541-73-1	1,3-Dichlorobenzene	4.6	U
106-46-7	1,4-Dichlorobenzene	4.6	U
95-50-1	1,2-Dichlorobenzene	4.6	U
96-12-8	1,2-Dibromo-3-chloropropane	4.6	U
120-82-1	1,2,4-Trichlorobenzene	4.6	U
87-61-6	1,2,3-Trichlorobenzene	4.6	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO IW05DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830642D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830642D

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 9.2

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	29	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

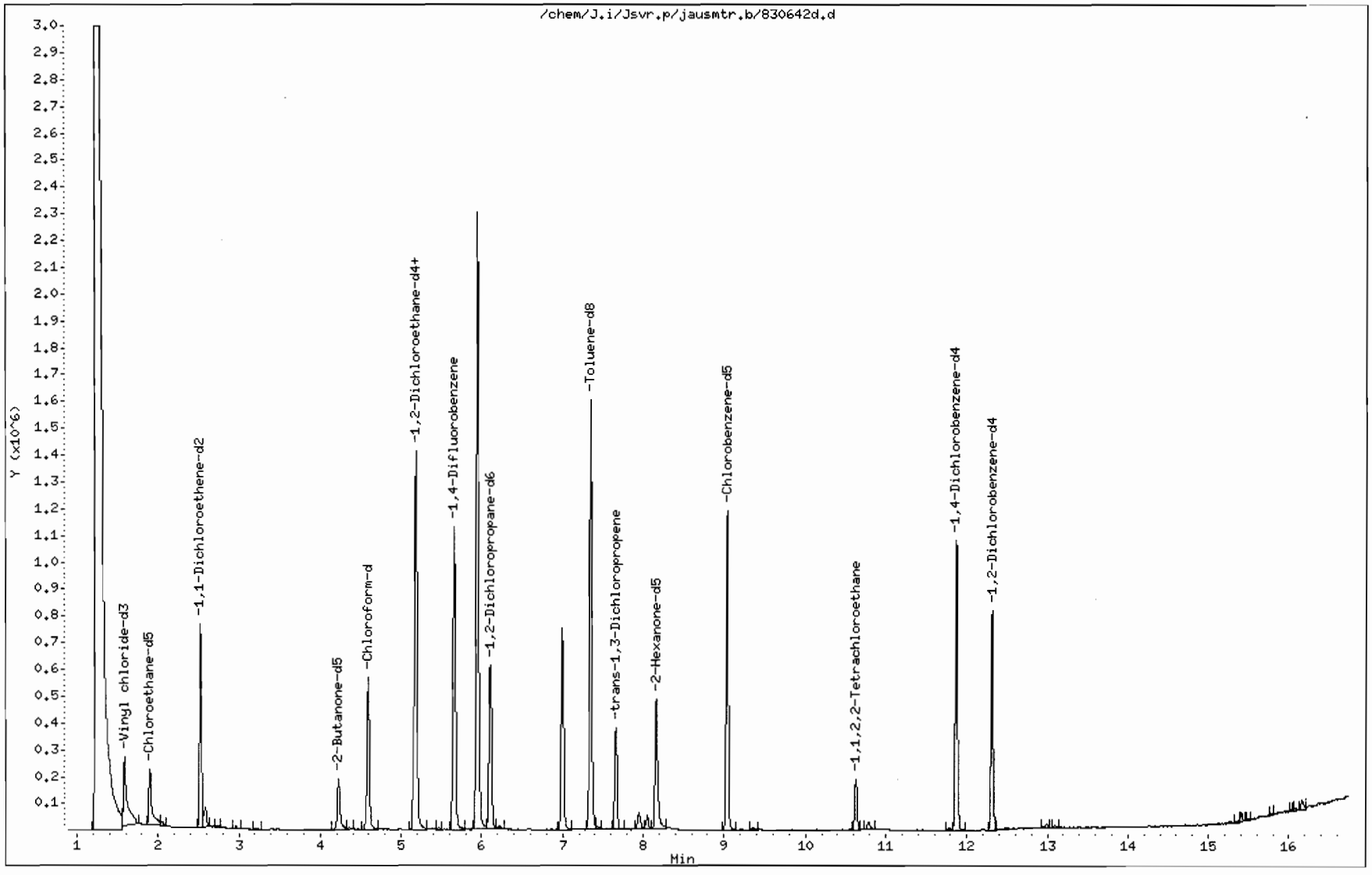
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d
Date : 25-MAY-2010 15:24
Client ID: ISCO IW05DL
Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830642d.d
Lab Smp Id: 830642D1 Client Smp ID: ISCO IW05DL
Inj Date : 25-MAY-2010 15:24
Operator : JH2 Inst ID: J.i
Smp Info : ISCO IW05 :[ ]05/20/10 @1100(WATER)
Misc Info : 830642,052510JV,9.2,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 4
Dil Factor: 9.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	9.20000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.280)	425031	4.88441	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	332996	5.14030	5.1
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	542305	3.90428	3.9(a)
10	1,1-Dichloroethene	96	Compound Not Detected.					
11	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12	Acetone	43	2.584	2.584	(0.457)	91373	31.1195	290
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	Methylene chloride	84	2.962	2.962	(0.524)	5264	0.08600	0.79(a)
16	trans-1,2-Dichloroethene	96	Compound Not Detected.					
17	Methyl tert-butyl ether	73	3.217	3.211	(0.569)	3141	0.05422	0.50(a)
18	1,1-Dichloroethane	63	Compound Not Detected.					
$ 19	2-Butanone-d5	46	4.221	4.221	(0.746)	304288	56.9497	57
20	cis-1,2-Dichloroethene	96	Compound Not Detected.					
21	2-Butanone	43	4.294	4.288	(0.759)	5808	0.96909	8.9(a)
22	Bromochloromethane	128	Compound Not Detected.					
$ 23	Chloroform-d	84	4.592	4.586	(0.812)	559212	5.03326	5.0
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	5.164	5.164	(0.913)	184392	5.22741	5.2
$ 29	Benzene-d6	84	5.182	5.182	(0.573)	1395023	5.29346	5.3
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1071808	5.00000	
33	Trichloroethene	95	5.949	5.949	(0.658)	896664	13.3615	120
$ 34	1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	357379	5.22966	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	7.342	7.342	(0.812)	1256443	5.29357	5.3
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	257968	5.31834	5.3
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	8.054	8.054	(0.891)	13625	0.26118	2.4(a)
$ 46	2-Hexanone-d5	63	8.163	8.157	(0.903)	232367	53.9802	54
47	2-Hexanone	43	8.212	8.218	(0.908)	5186	0.58367	5.4(aM)
48	Dibromochloromethane	129	Compound Not Detected.					
49	1,2-Dibromoethane	107	Compound Not Detected.					
* 50	Chlorobenzene-d5	117	9.039	9.039	(1.000)	791587	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	118569	5.46131	5.5
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	341101	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	253426	5.11989	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).
M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830642d.d
Lab Smp Id: 830642D1 Client Smp ID: ISCO IW05DL
Inj Date : 25-MAY-2010 15:24
Operator : JH2 Inst ID: J.i
Smp Info : ISCO IW05 :[ ]05/20/10 @1100(WATER)
Misc Info : 830642,052510JV,9.2,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 4
Dil Factor: 9.20000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	9.20000	Dilution Factor
X	25.00000	method volume 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	5.657	2388488	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
6.995	1515871	3.17328441	29	0	0	0	32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d

Date : 25-MAY-2010 15:24

Client ID: ISCO IW05DL

Instrument: J.i

Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

Purge Volume: 25.0

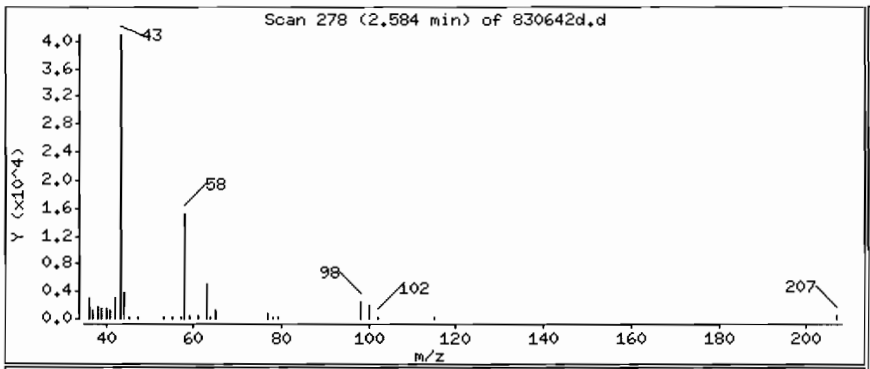
Operator: JH2

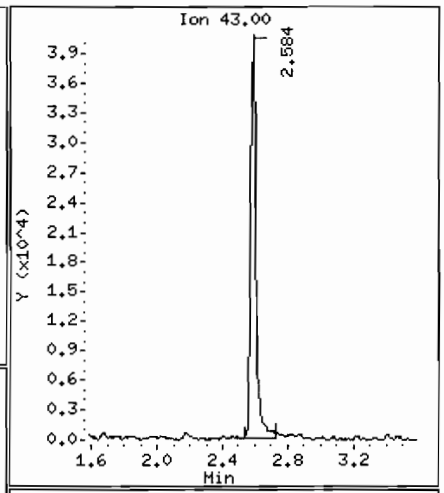
Column phase: DB-624

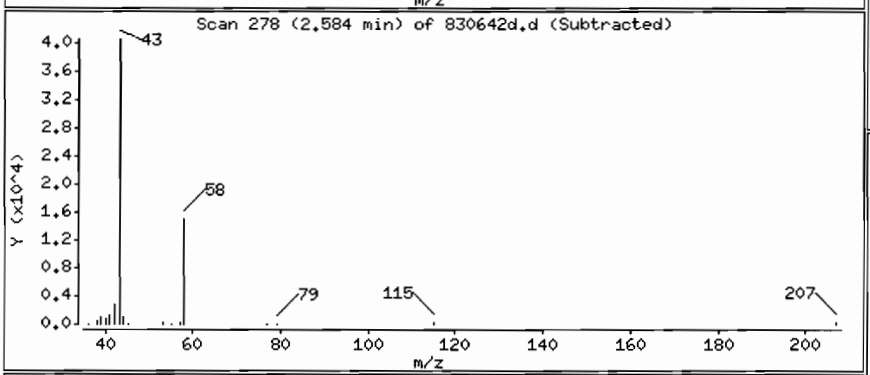
Column diameter: 0.53

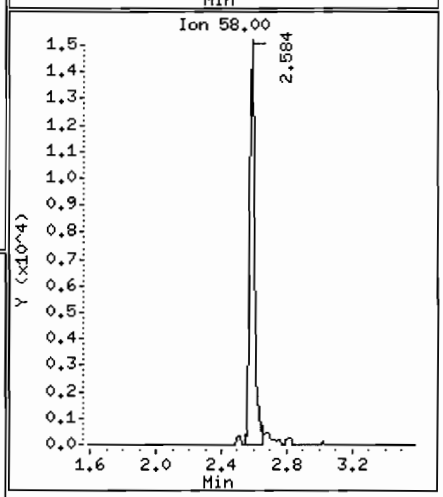
12 Acetone

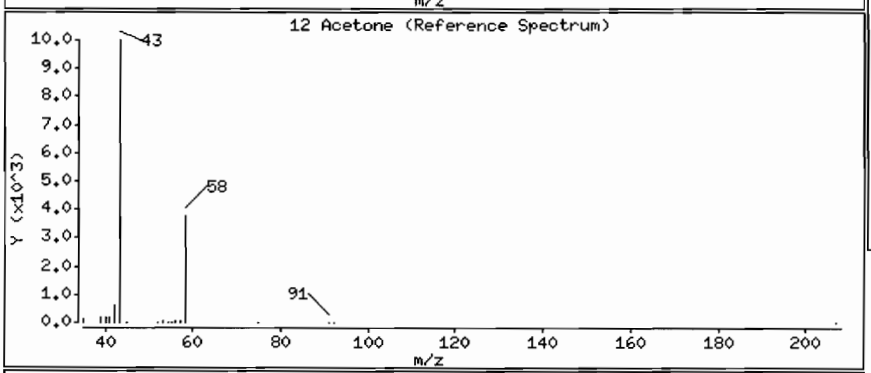
Concentration: 290 ug/L

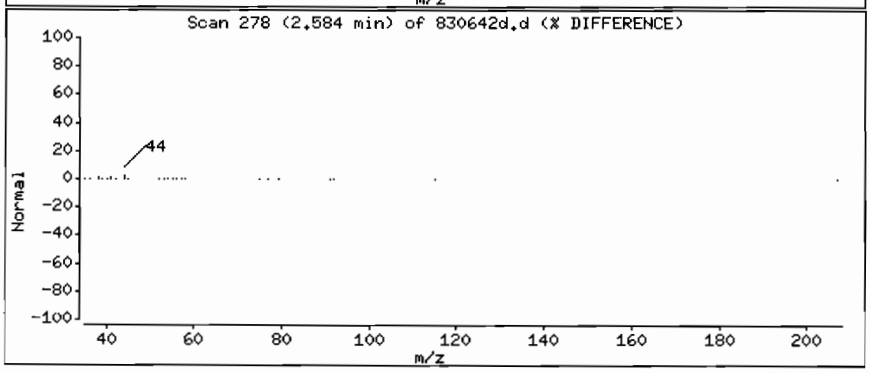












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d

Date : 25-MAY-2010 15:24

Client ID: ISCO IW05DL

Instrument: J.i

Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)

Purge Volume: 25.0

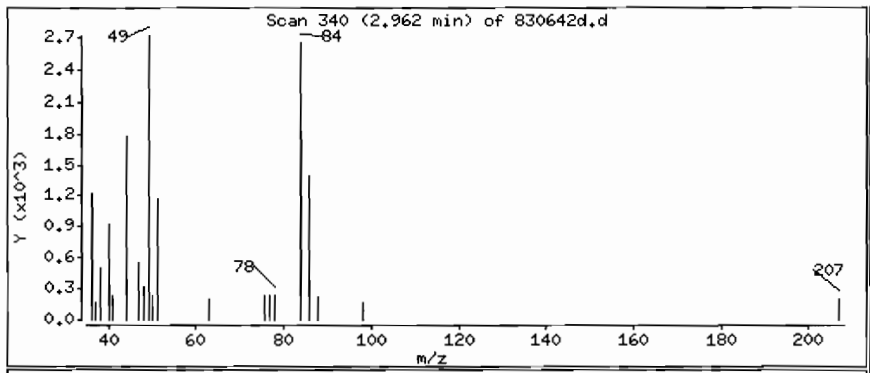
Operator: JH2

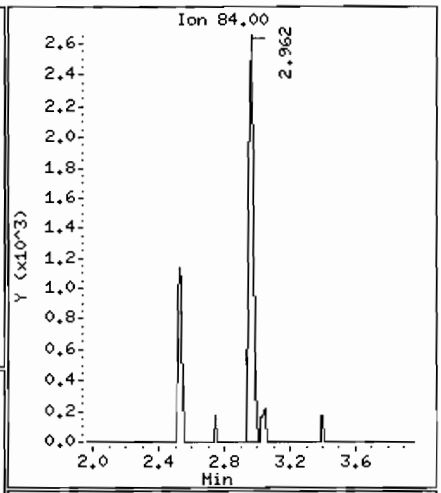
Column phase: DB-624

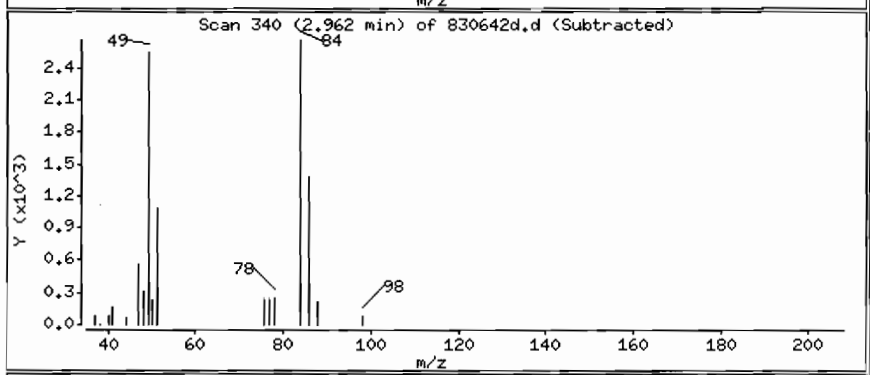
Column diameter: 0.53

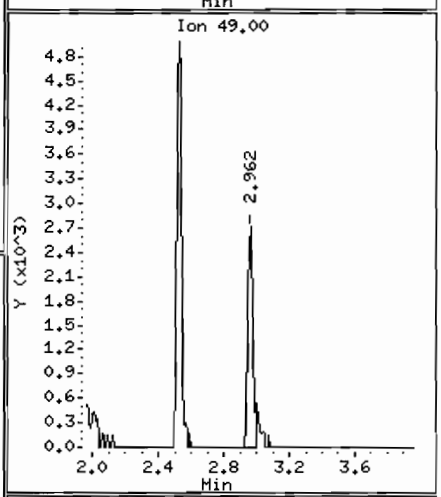
15 Methylene chloride

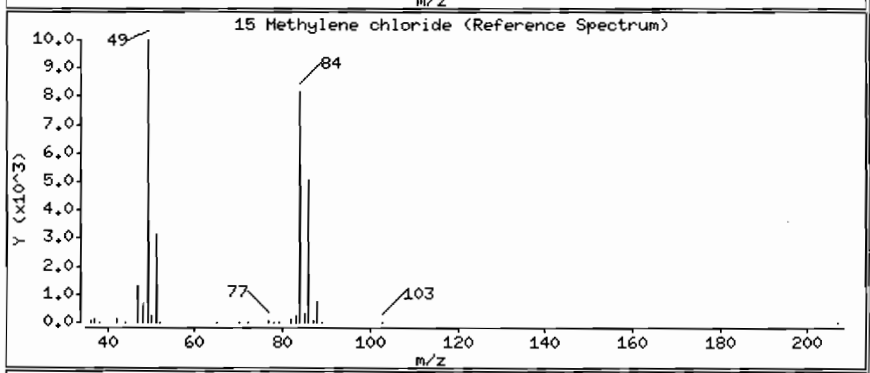
Concentration: 0.79 ug/L

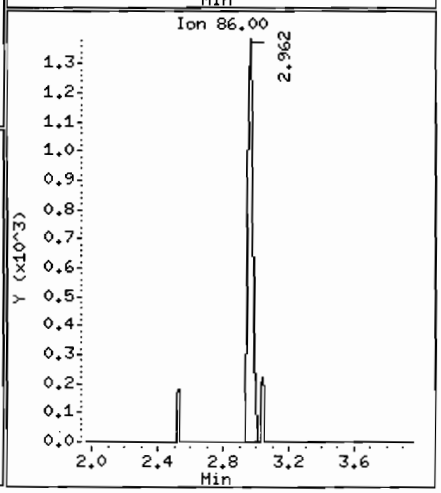


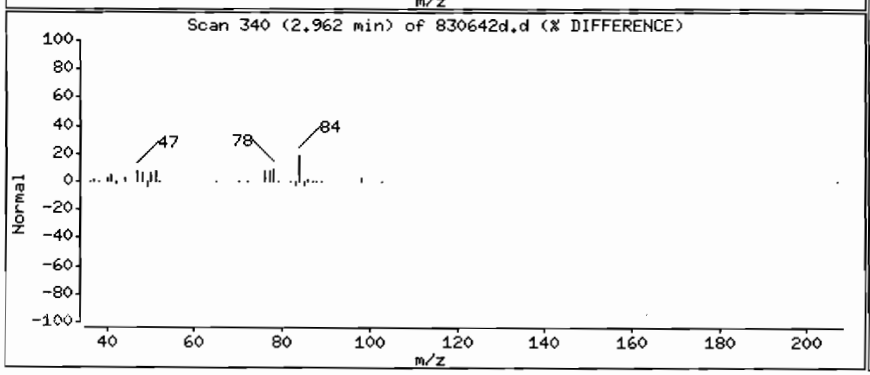












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d

Date : 25-MAY-2010 15:24

Client ID: ISCO IW05DL

Instrument: J.i

Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)

Purge Volume: 25.0

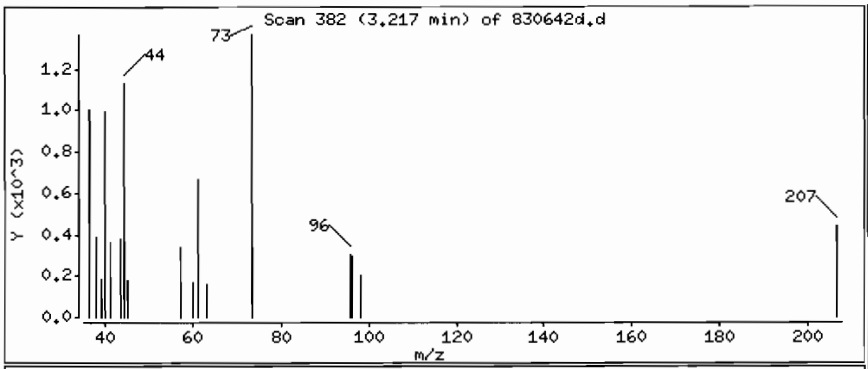
Operator: JH2

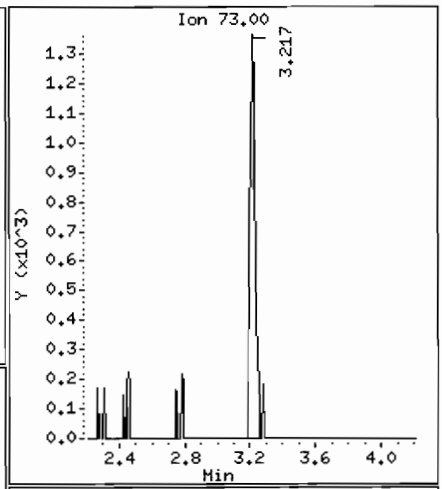
Column phase: DB-624

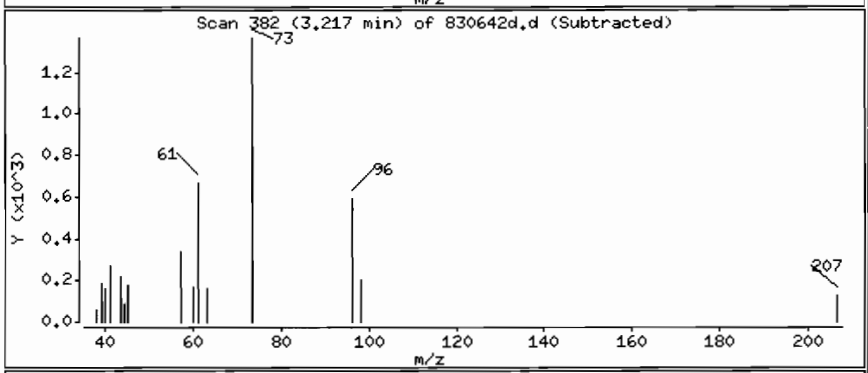
Column diameter: 0.53

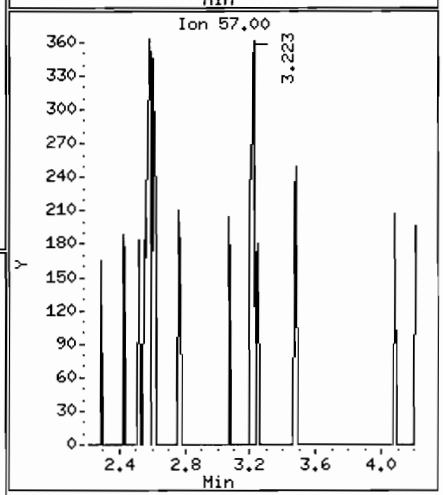
17 Methyl tert-butyl ether

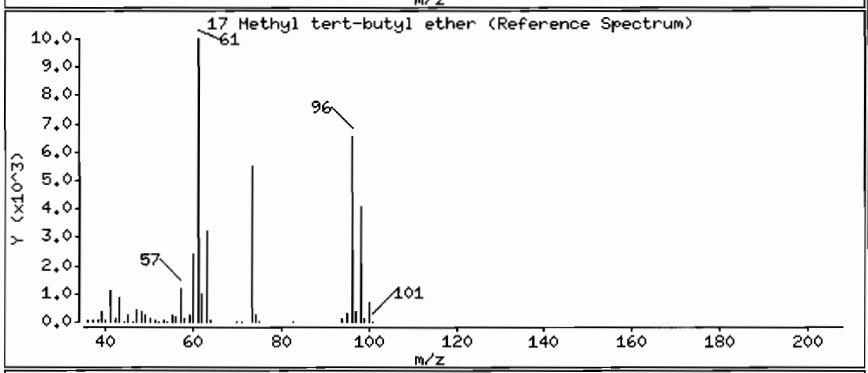
Concentration: 0.50 ug/L

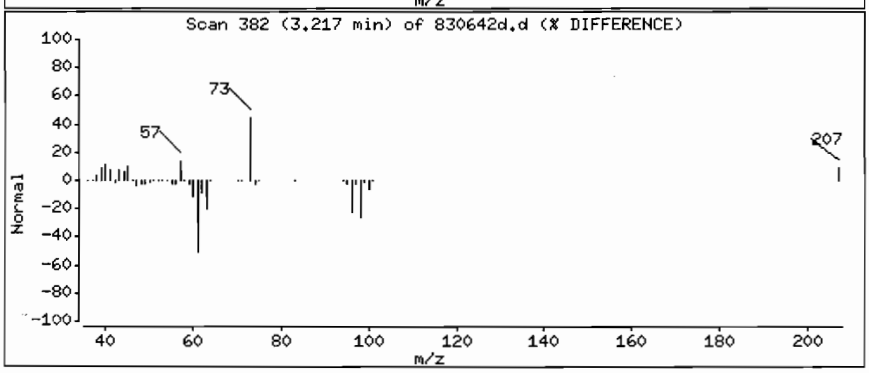












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d

Date : 25-MAY-2010 15:24

Client ID: ISCO IW05DL

Instrument: J.i

Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)

Purge Volume: 25.0

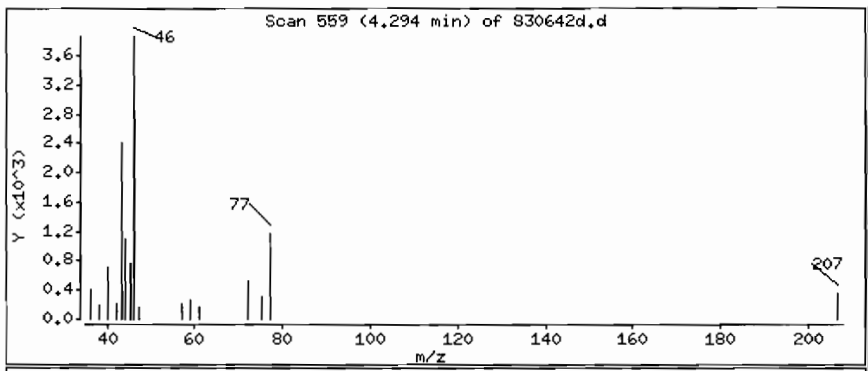
Operator: JH2

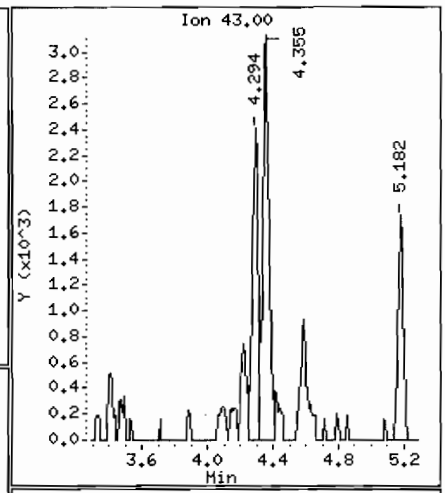
Column phase: DB-624

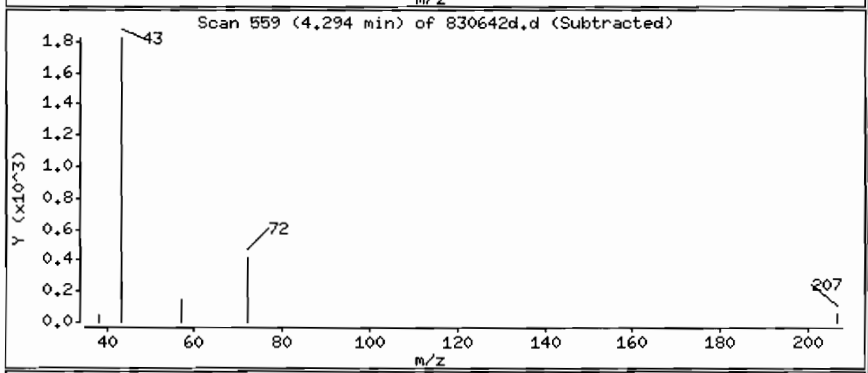
Column diameter: 0.53

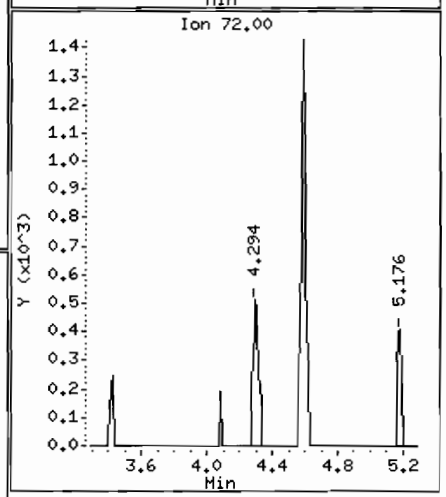
21 2-Butanone

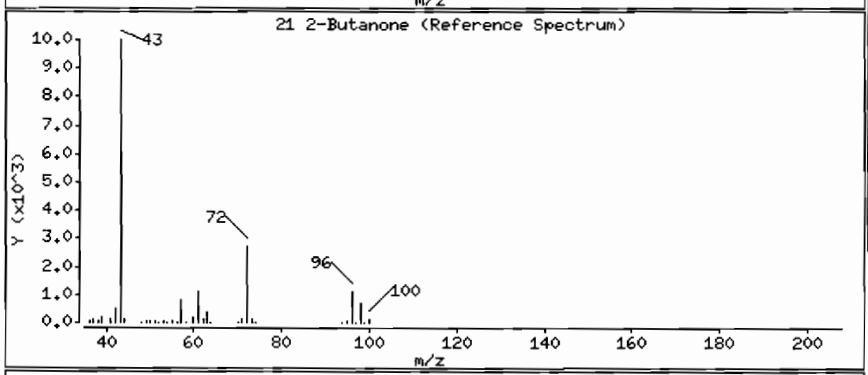
Concentration: 8.9 ug/L

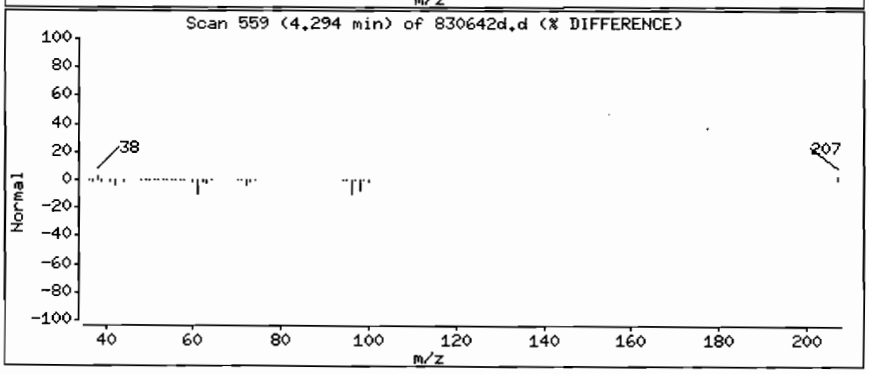












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d

Date : 25-MAY-2010 15:24

Client ID: ISCO IW05DL

Instrument: J.i

Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)

Purge Volume: 25.0

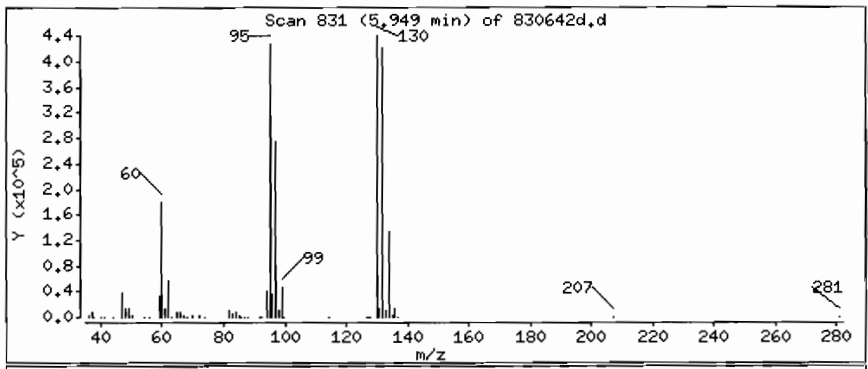
Operator: JH2

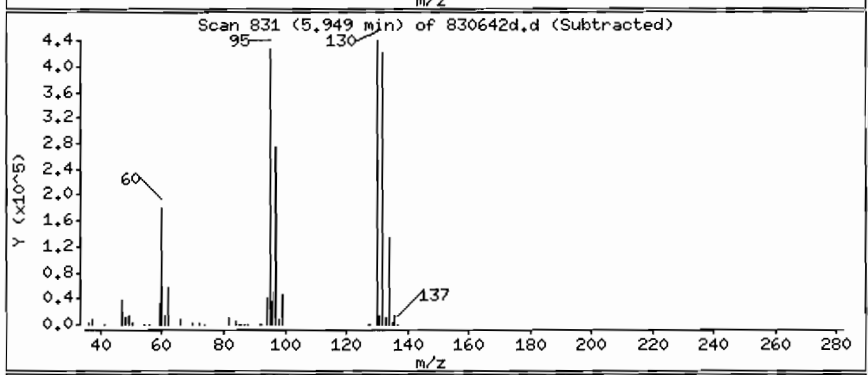
Column phase: DB-624

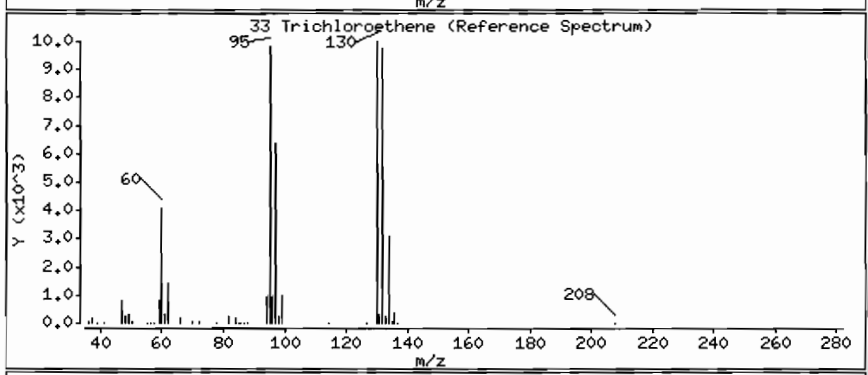
Column diameter: 0.53

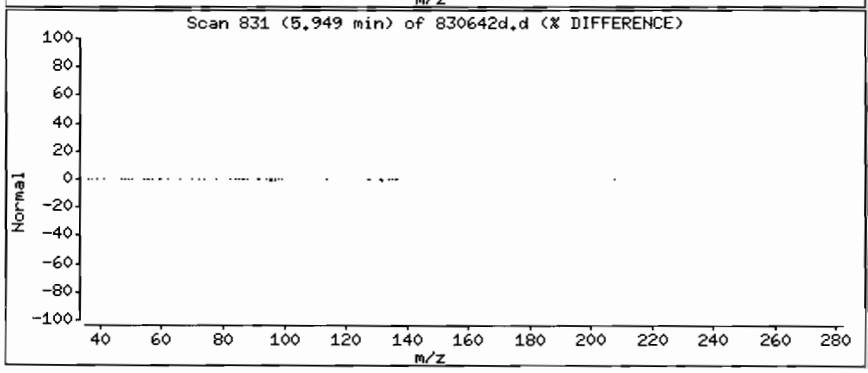
33 Trichloroethene

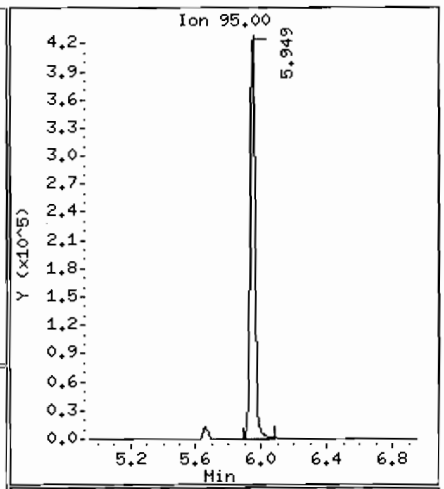
Concentration: 120 ug/L

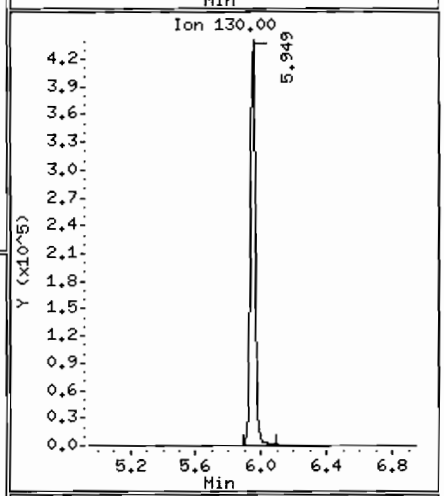


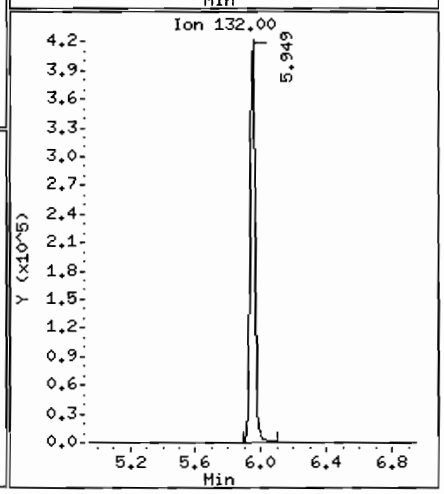












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d

Date : 25-MAY-2010 15:24

Client ID: ISCO IW05DL

Instrument: J.i

Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

Purge Volume: 25.0

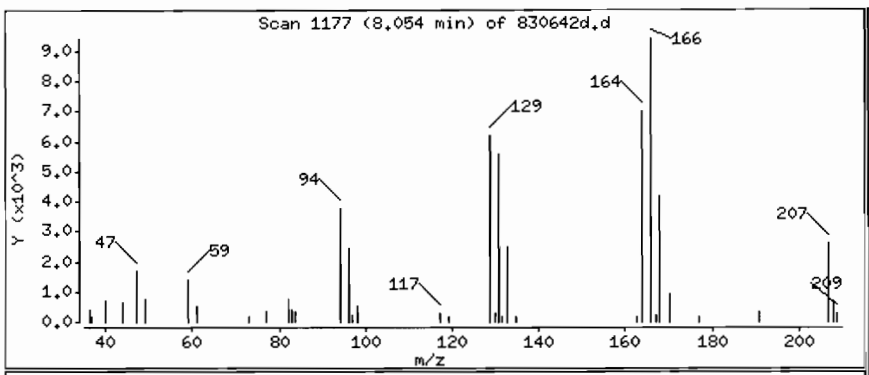
Operator: JH2

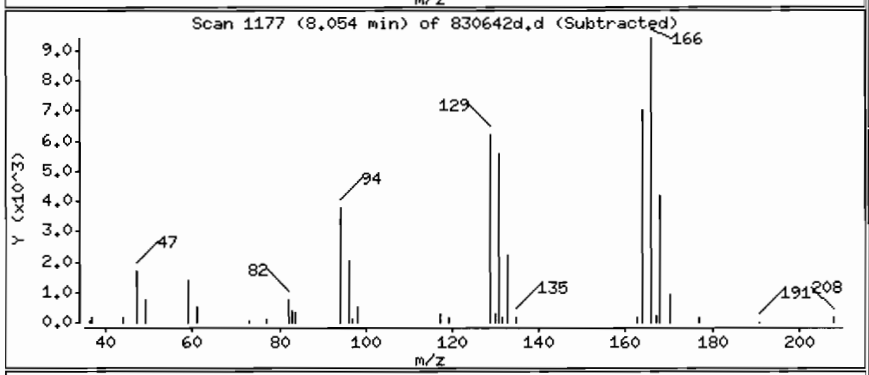
Column phase: DB-624

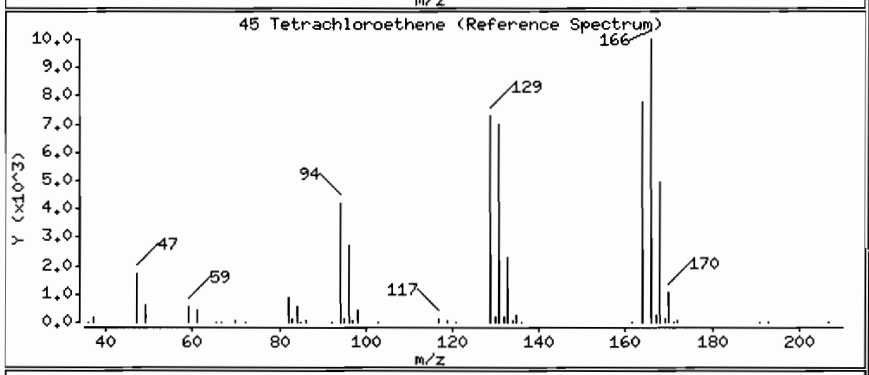
Column diameter: 0.53

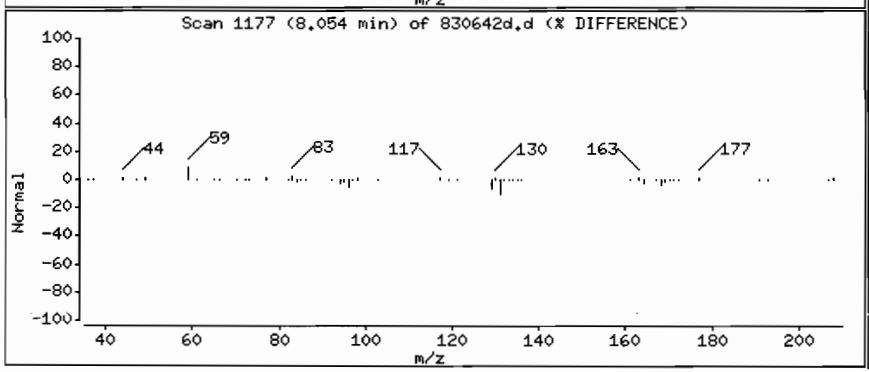
45 Tetrachloroethene

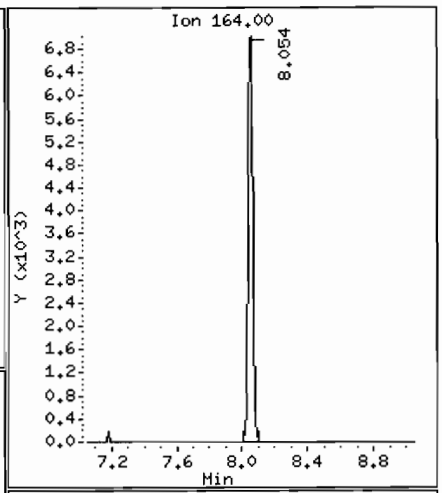
Concentration: 2.4 ug/L

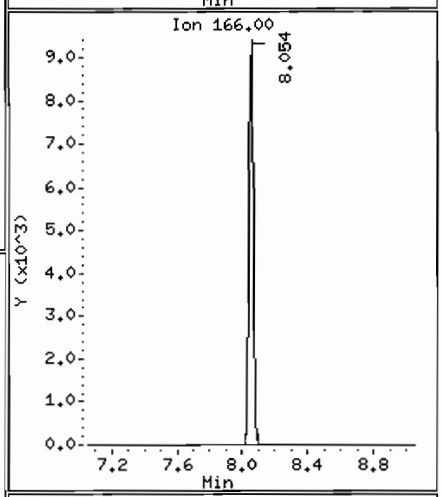


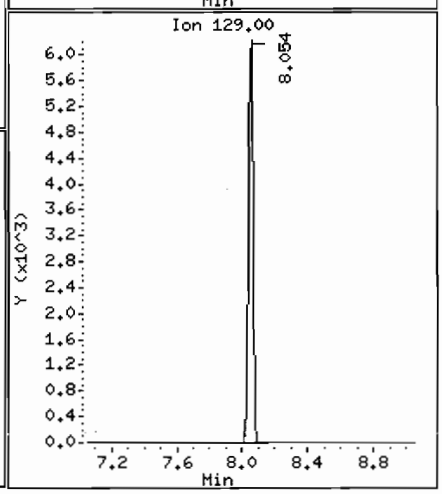












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d

Date : 25-MAY-2010 15:24

Client ID: ISCO IW05DL

Instrument: J.i

Sample Info: ISCO IW05 :[ ]05/20/10 @1100(WATER)

Purge Volume: 25.0

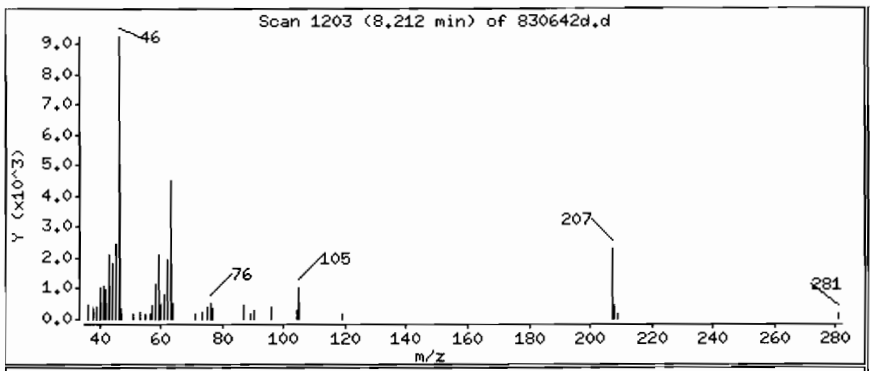
Operator: JH2

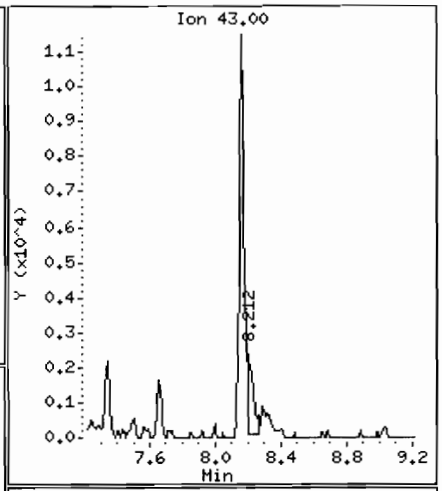
Column phase: DB-624

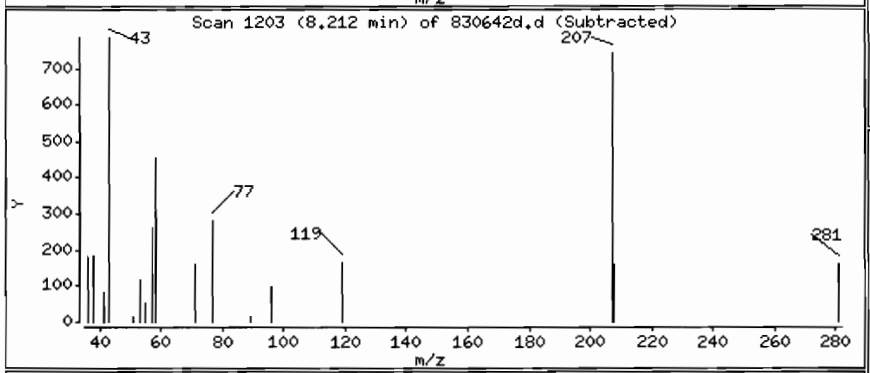
Column diameter: 0.53

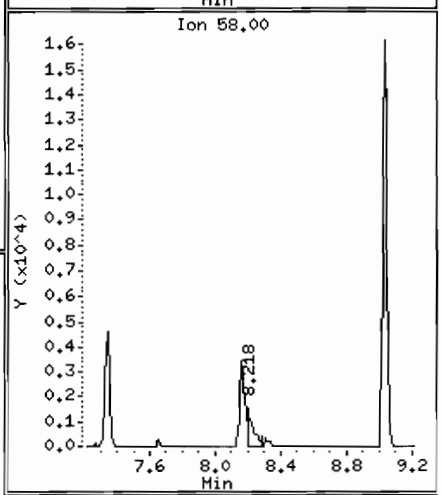
47 2-Hexanone

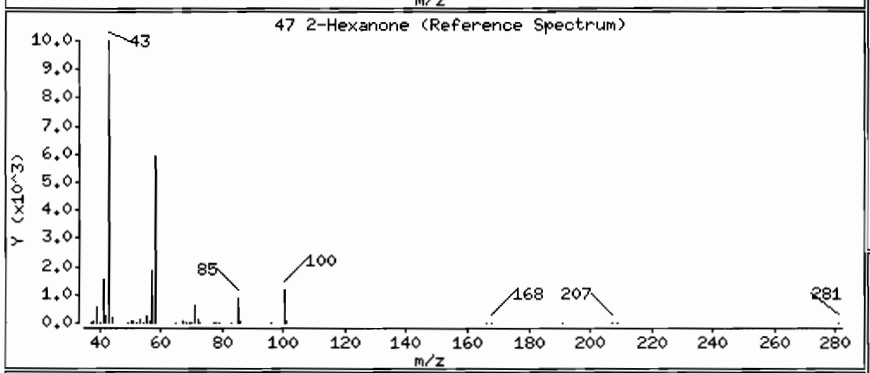
Concentration: 5.4 ug/L

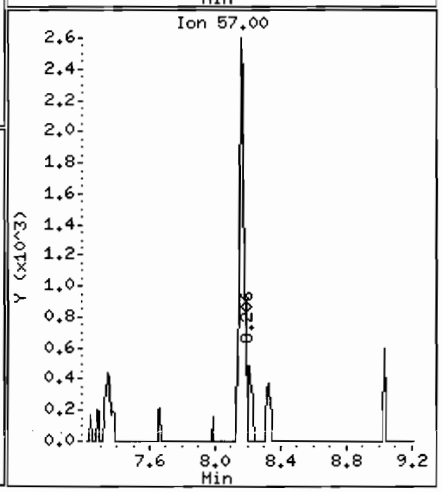


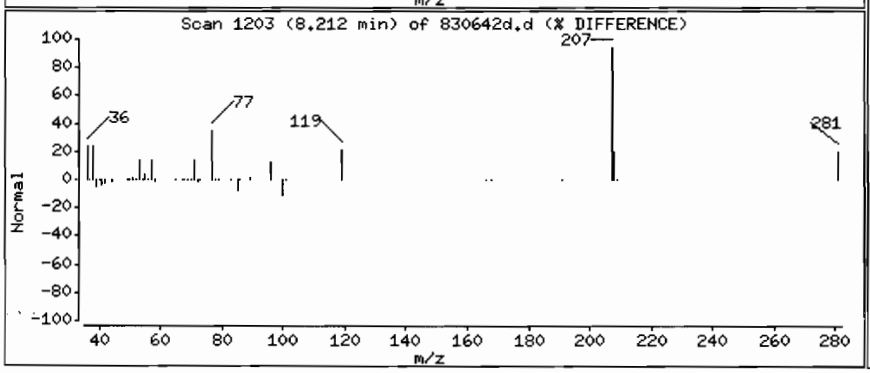












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830642d.d

Date : 25-MAY-2010 15:24

Client ID: ISCO IW05DL

Instrument: J.i

Sample Info: ISCO IW05 :[J05/20/10 @1100(WATER)

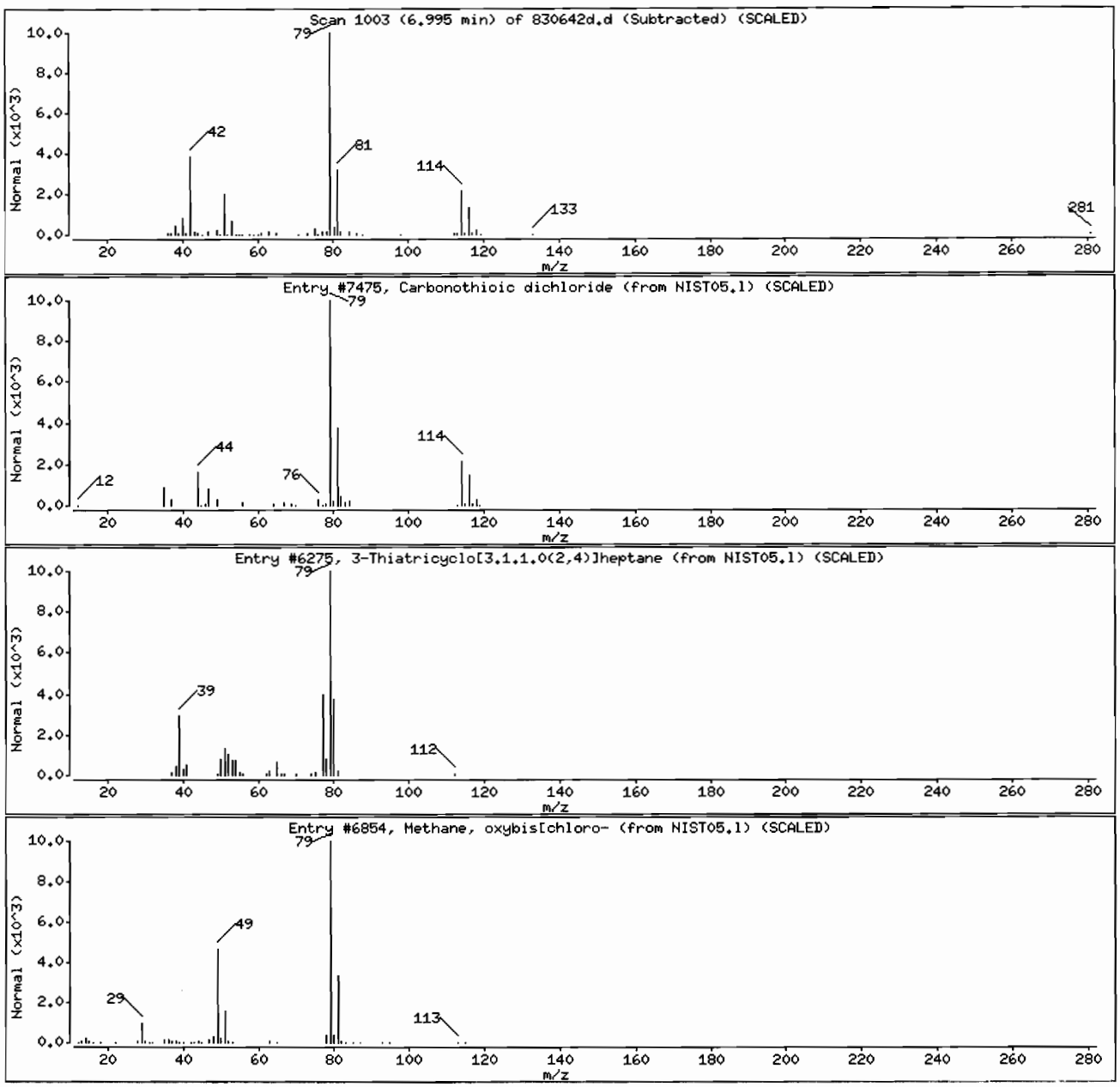
Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114

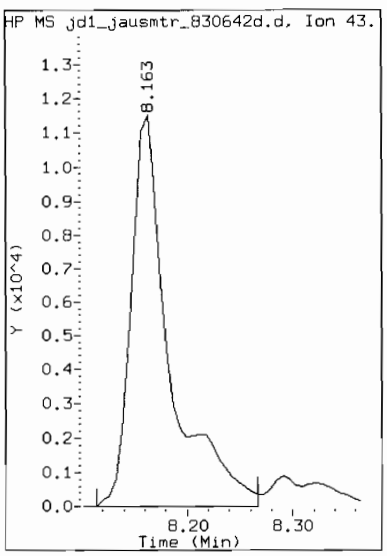


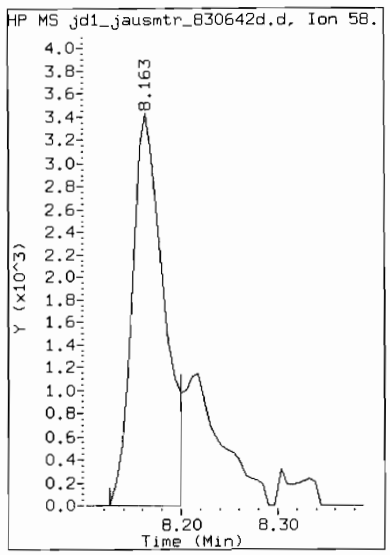
MANUAL INTEGRATION REPORT

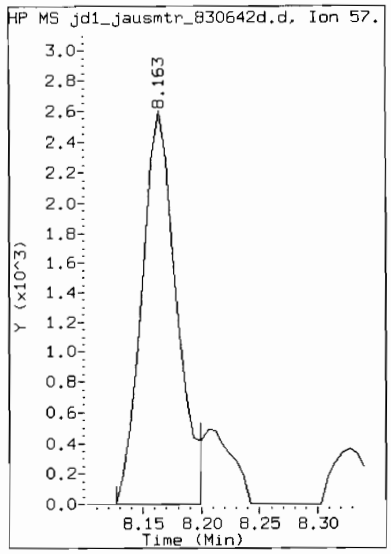
Data File Name: 830642d.d
Client Sample ID: ISCO IW05DL
Compound Name: 2-Hexanone

Inj. Date and Time: 25-MAY-2010 15:24
Instrument ID: J.i
CAS #: 591-78-6

Target Version: Target 3.50
Report Version: 1.1
Report Date: 05/28/2010 10:50

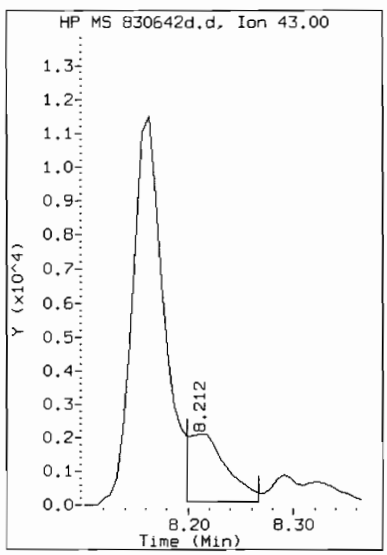


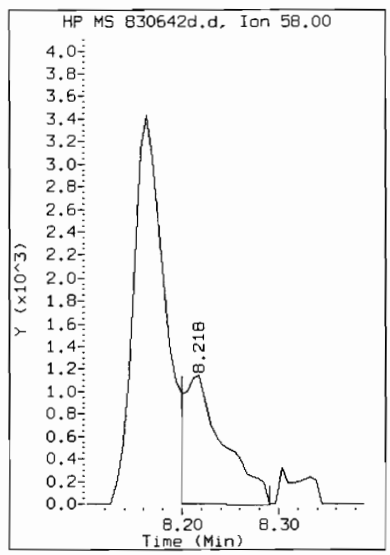


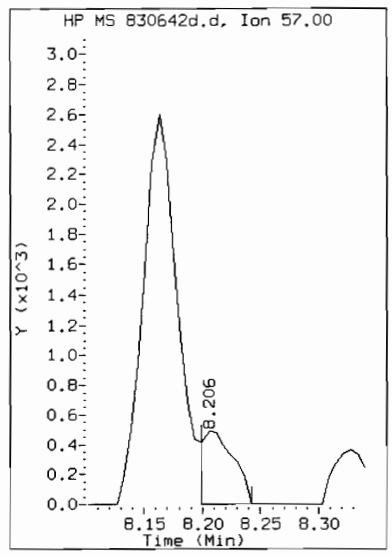


Original Integrations:

Area = 29363 Area = 7911 Area = 5362







Final Integrations:

Area = 5186 Area = 3411 Area = 946

Manual Integration Reason: MI1 - Poor automated baseline

1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW06

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830643

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830643

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	24	B
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.077	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.83	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	0.80	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.28	J
71-55-6	1,1,1-Trichloroethane	0.069	J
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.039	J
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW06

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830643

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830643

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	31	E
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.10	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.9	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.042	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO IW06

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830643

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830643

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.0	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1) EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

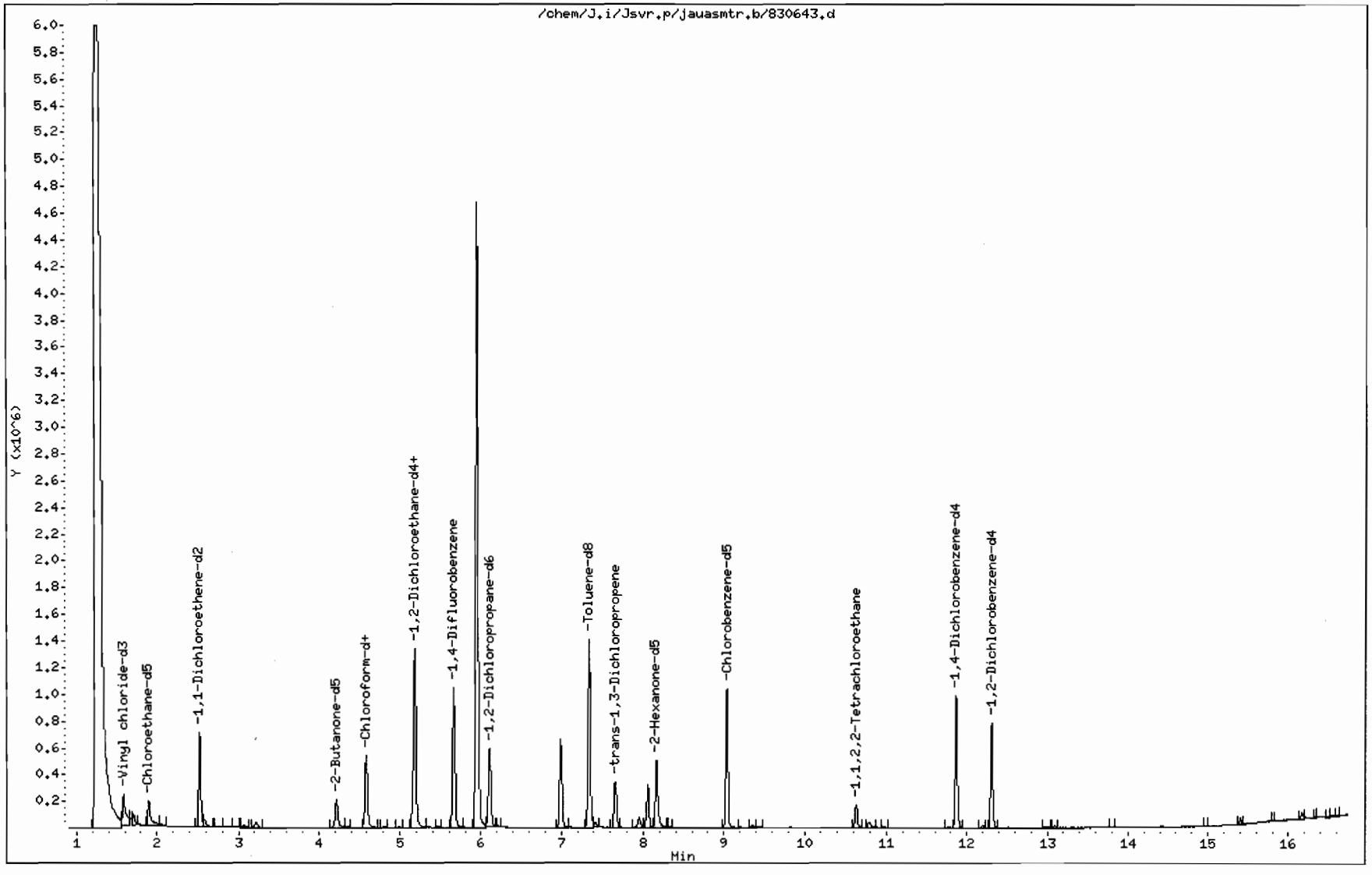
Sample Info: ISCO IW06 :[ ]05/18/10 @1500(WATER)

Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/830643.d
Lab Smp Id: 830643 Client Smp ID: ISCO IW06
Inj Date : 25-MAY-2010 23:31
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW06 :[ ]05/18/10 @1500(WATER)
Misc Info : 830643,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	394595	5.04987	5.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	308058	5.29565	5.3
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	505453	4.05243	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	2.585	2.584	(0.457)	63475	24.0744	24
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	Methylene chloride	84	2.962	2.962	(0.524)	4228	0.07693	0.077(a)
16	trans-1,2-Dichloroethene	96	Compound Not Detected.					
17	Methyl tert-butyl ether	73	3.217	3.217	(0.569)	43319	0.83272	0.83(H)
18	1,1-Dichloroethane	63	Compound Not Detected.					
$ 19	2-Butanone-d5	46	4.221	4.221	(0.746)	309442	64.4946	64
20	cis-1,2-Dichloroethene	96	Compound Not Detected.					
21	2-Butanone	43	4.288	4.282	(0.758)	4281	0.79547	0.80(a)
22	Bromochloromethane	128	Compound Not Detected.					
$ 23	Chloroform-d	84	4.592	4.592	(0.812)	519608	5.20818	5.2
24	Chloroform	83	4.610	4.610	(0.815)	27077	0.28456	0.28(aQ)
25	1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	6140	0.06885	0.069(a)
26	Cyclohexane	56	Compound Not Detected.					
27	Carbon tetrachloride	117	4.988	4.987	(0.552)	2883	0.03868	0.039(a)
$ 28	1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	176181	5.56213	5.6
$ 29	Benzene-d6	84	5.182	5.182	(0.573)	1316779	5.64825	5.6
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.657	5.657	(1.000)	962453	5.00000	
33	Trichloroethene	95	5.949	5.943	(0.658)	1831295	30.8479	31(A)
$ 34	1,2-Dichloropropane-d6	67	6.107	6.101	(0.676)	338599	5.60109	5.6
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	7.342	7.342	(0.812)	1123193	5.34937	5.3
41	Toluene	91	7.421	7.421	(0.821)	25662	0.10100	0.10(a)
$ 42	trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	231765	5.40133	5.4
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	8.054	8.054	(0.891)	89960	1.94940	1.9
$ 46	2-Hexanone-d5	63	8.157	8.157	(0.902)	231852	60.8854	61
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	9.039	9.039	(1.000)	700255	5.00000	
51	Chlorobenzene	112	Compound Not Detected.					
52	Ethylbenzene	91	Compound Not Detected.					
53	m,p-Xylene	106	9.356	9.355	(1.035)	4538	0.04184	0.042(a)
54	Styrene	104	Compound Not Detected.					
55	o-Xylene	106	Compound Not Detected.					
56	Bromoform	173	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	111358	5.79815	5.8
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.868	11.874	(1.000)	308986	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	233402	5.20545	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).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/830643.d
Lab Smp Id: 830643 Client Smp ID: ISCO IW06
Inj Date : 25-MAY-2010 23:31
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW06 :[ ]05/18/10 @1500(WATER)
Misc Info : 830643,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2205972	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1332266	3.01967901	3.0	0	0		32

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

Sample Info: ISCO IW06 :[ ]05/18/10 @1500(WATER)

Purge Volume: 25.0

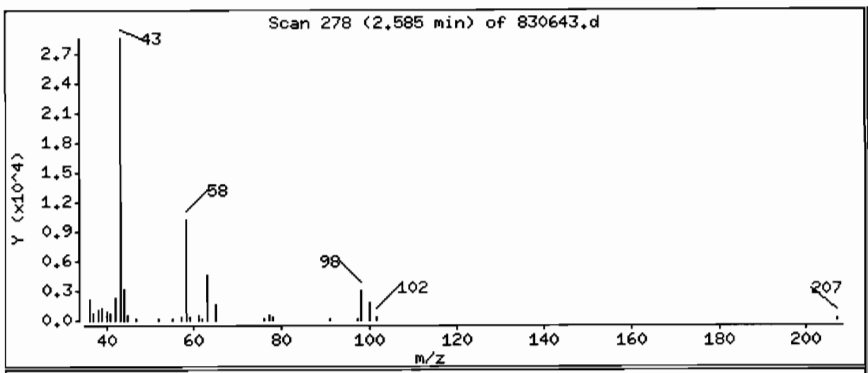
Operator: JP1

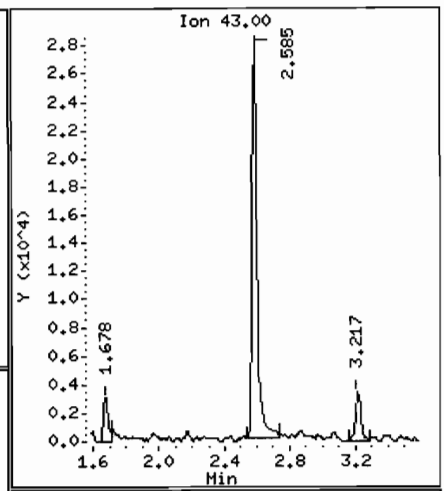
Column phase: DB-624

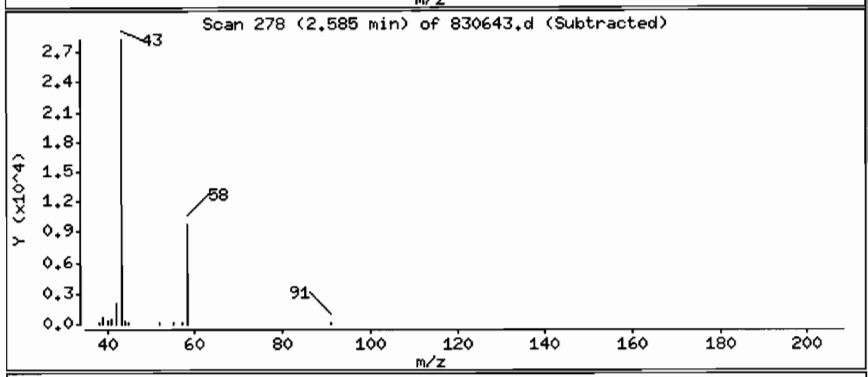
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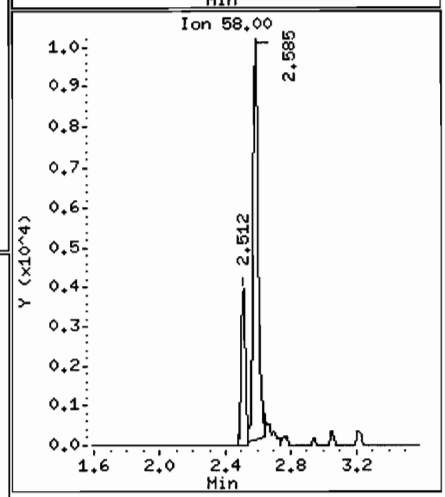
12 Acetone

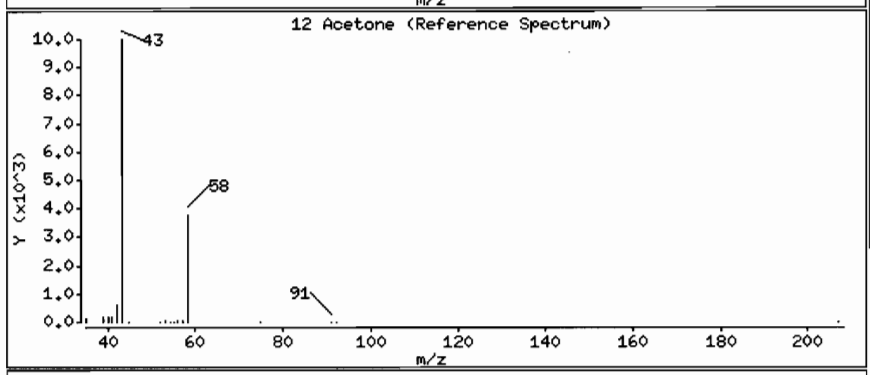
Concentration: 24 ug/L

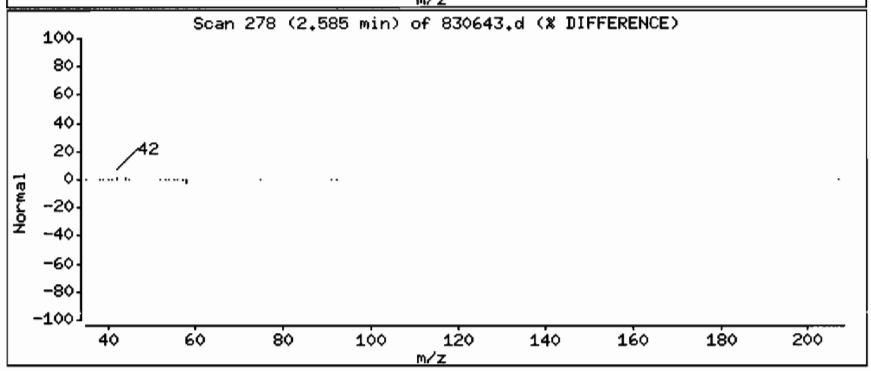












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

Sample Info: ISCO IW06 :[05/18/10 @1500(WATER)

Purge Volume: 25.0

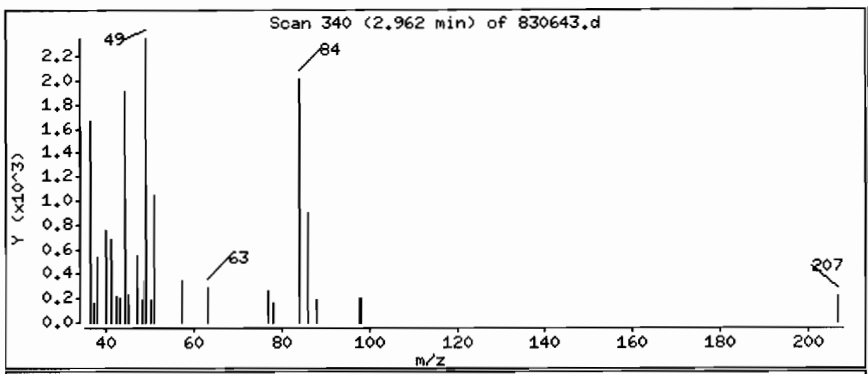
Operator: JP1

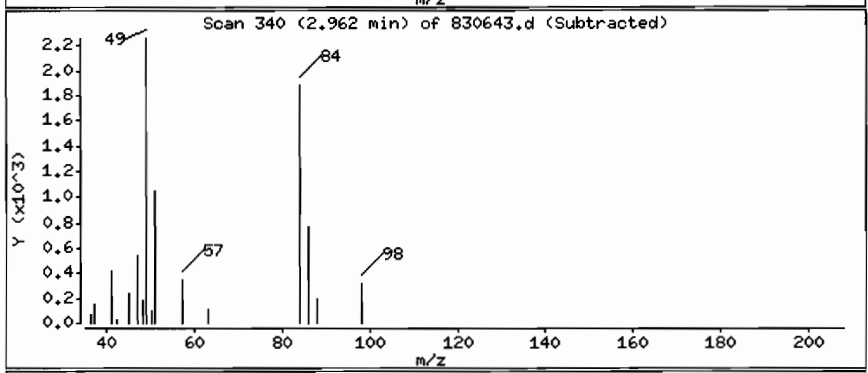
Column phase: DB-624

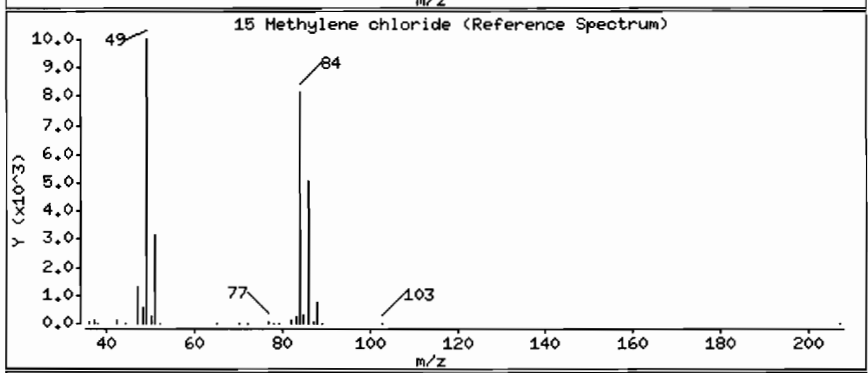
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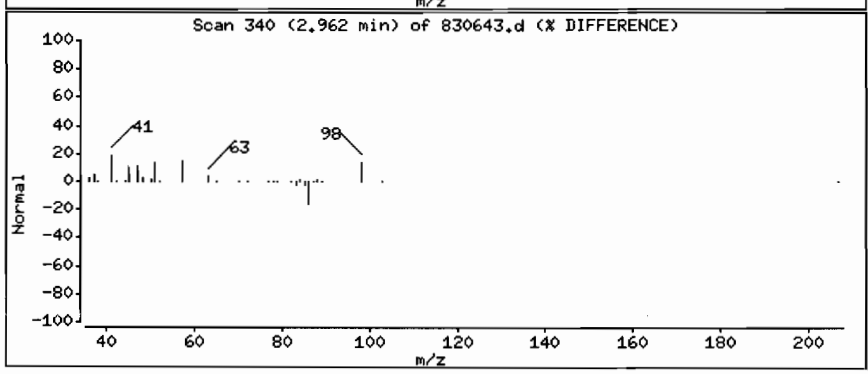
15 Methylene chloride

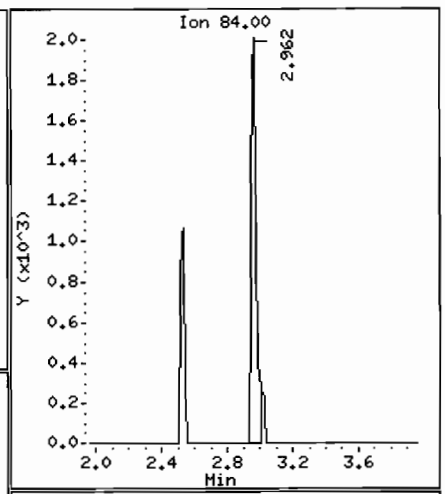
Concentration: 0.077 ug/L

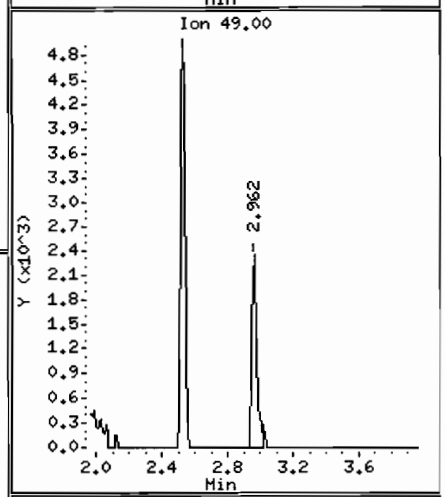


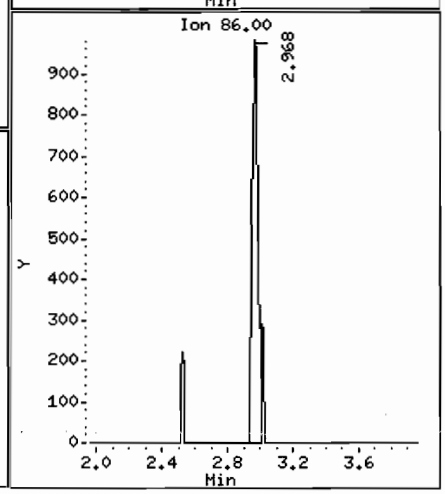












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

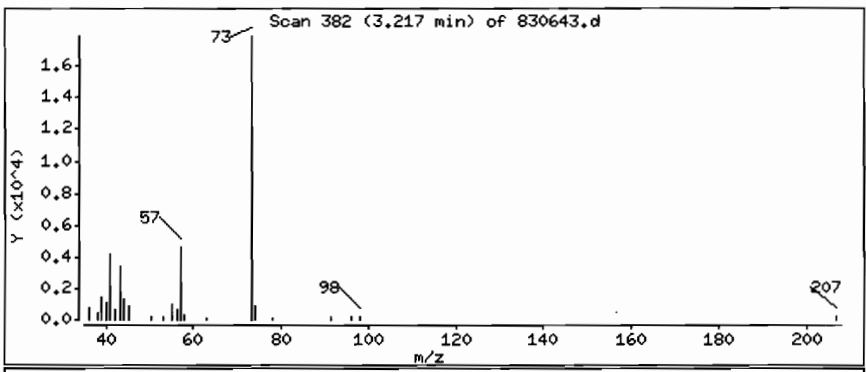
Client ID: ISCO IW06 Instrument: J.i

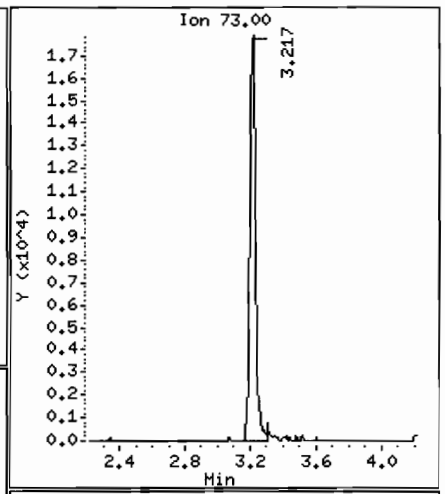
Sample Info: ISCO IW06 :[05/18/10 @1500(WATER)

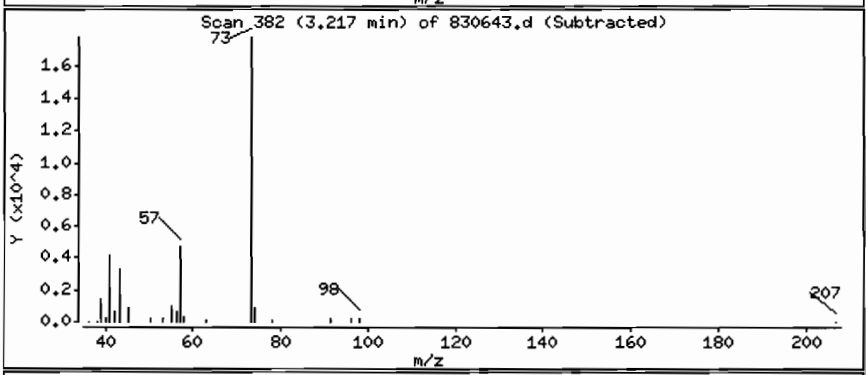
Purge Volume: 25.0 Operator: JP1

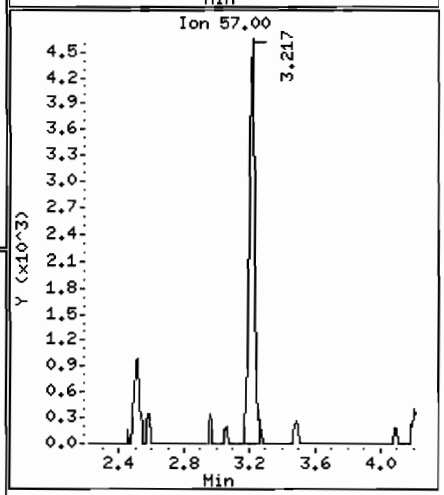
Column phase: DB-624 Column diameter: 0.53

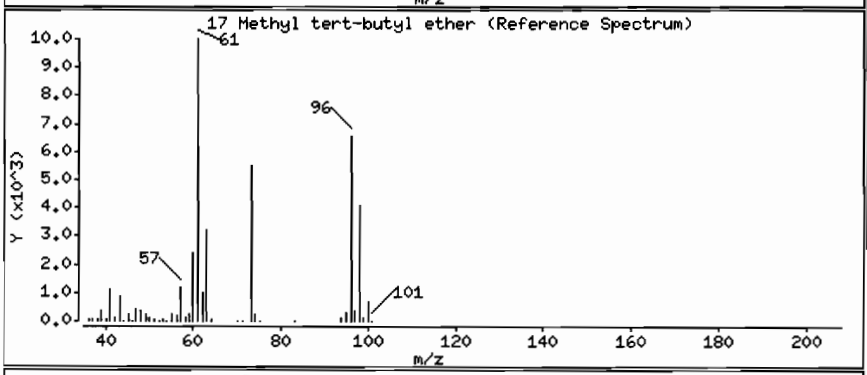
17 Methyl tert-butyl ether Concentration: 0.83 ug/L

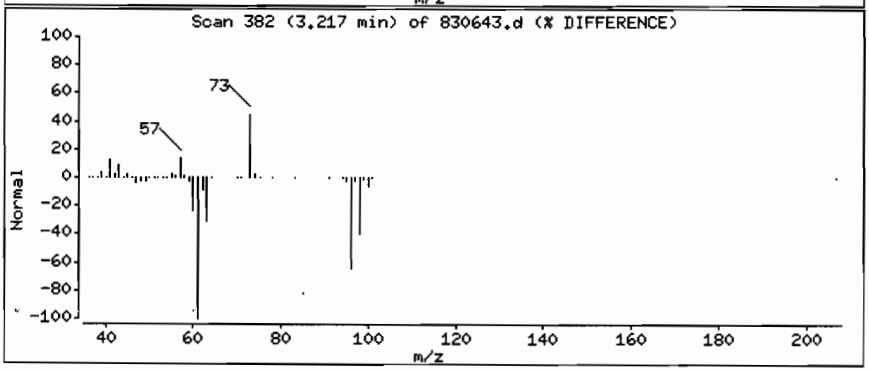












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

Sample Info: ISCO IW06 :[ ]05/18/10 @1500(WATER)

Purge Volume: 25.0

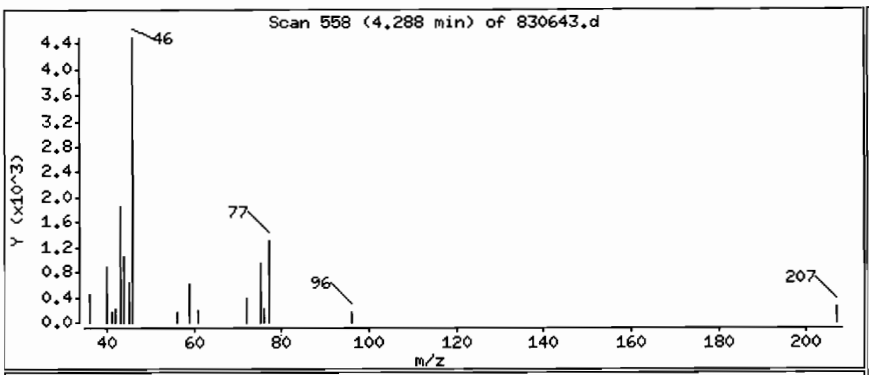
Operator: JP1

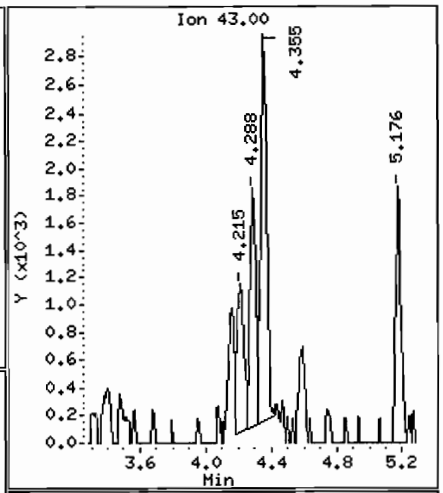
Column phase: DB-624

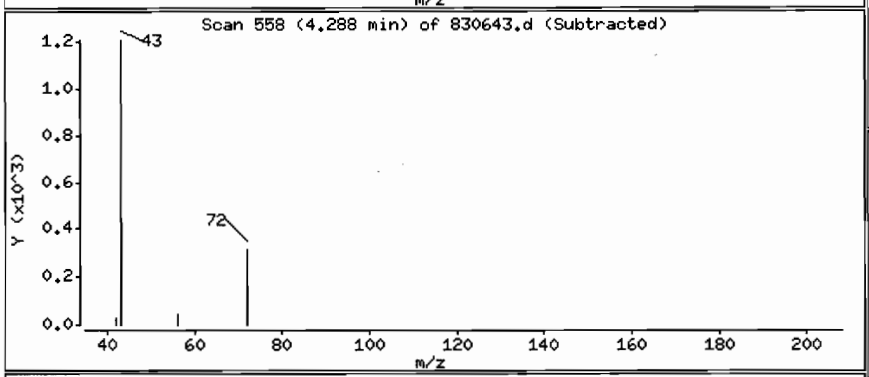
Column diameter: 0.53

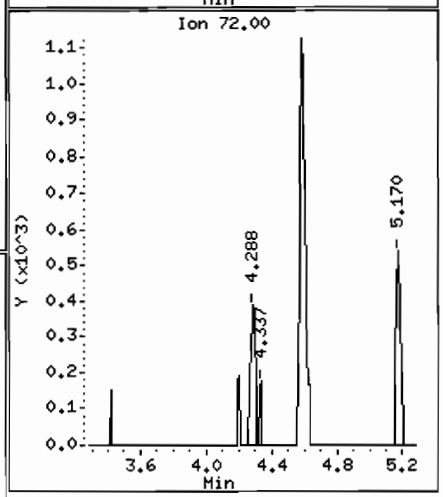
21 2-Butanone

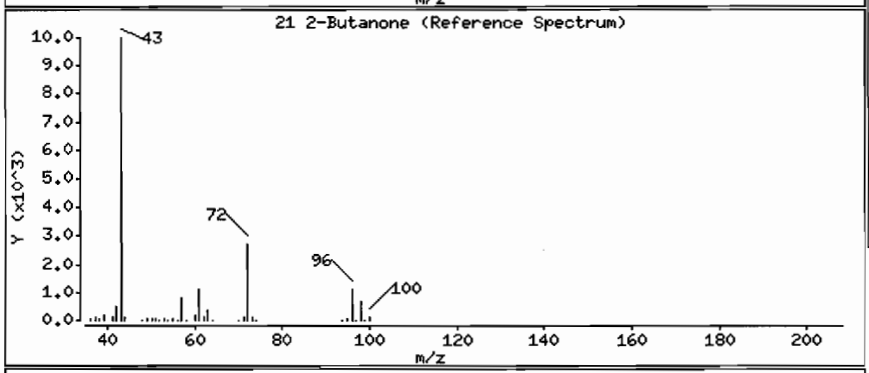
Concentration: 0.80 ug/L

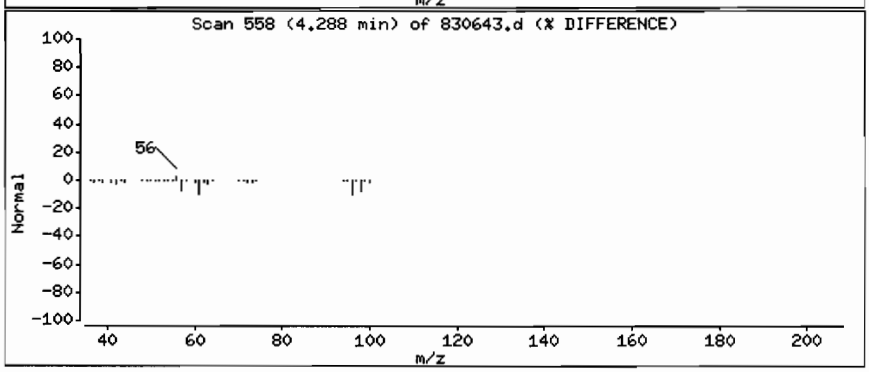












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

Sample Info: ISCO IW06 :[ ]05/18/10 @1500(WATER)

Purge Volume: 25.0

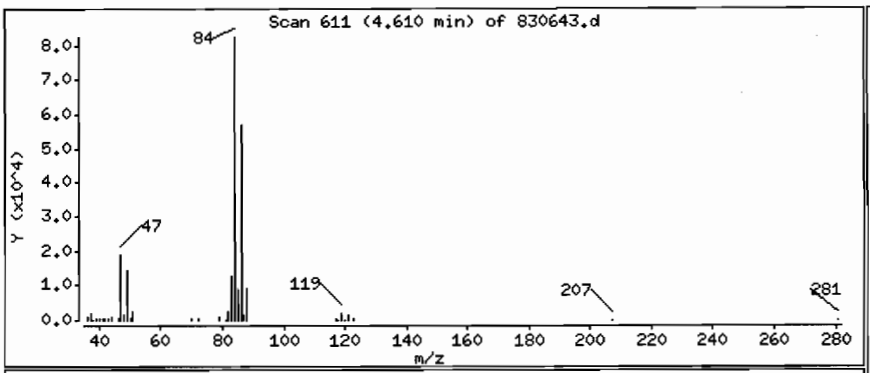
Operator: JP1

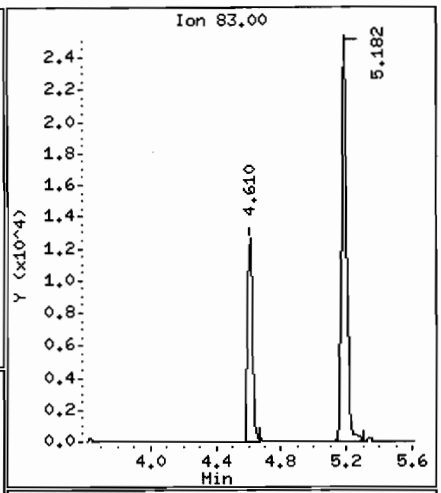
Column phase: DB-624

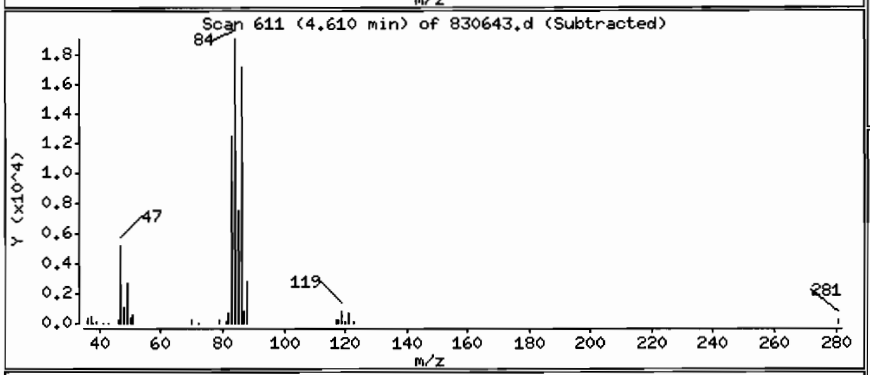
Column diameter: 0.53

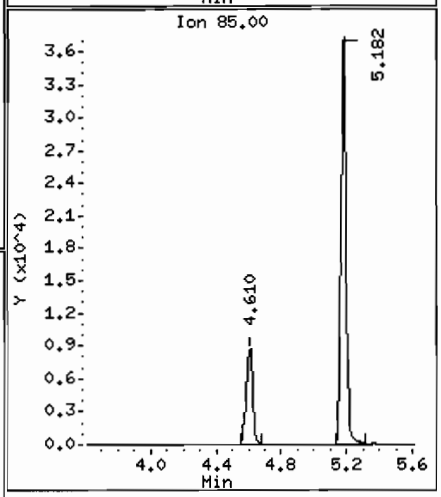
24 Chloroform

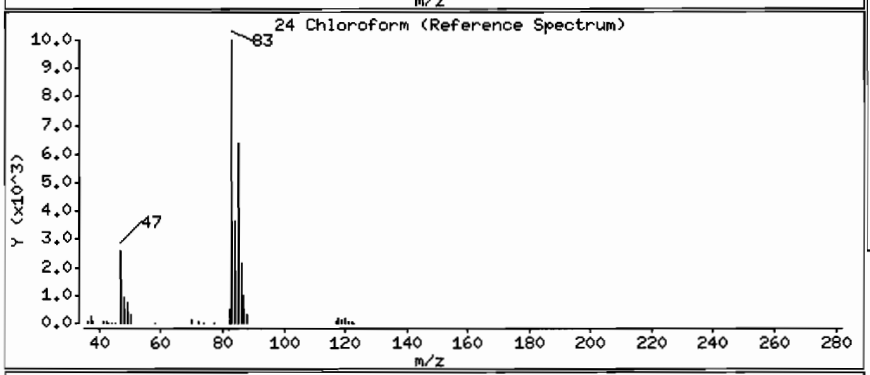
Concentration: 0.28 ug/L

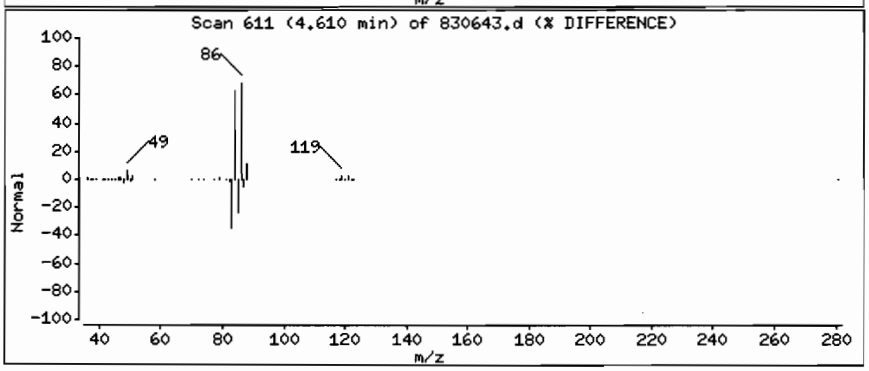












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

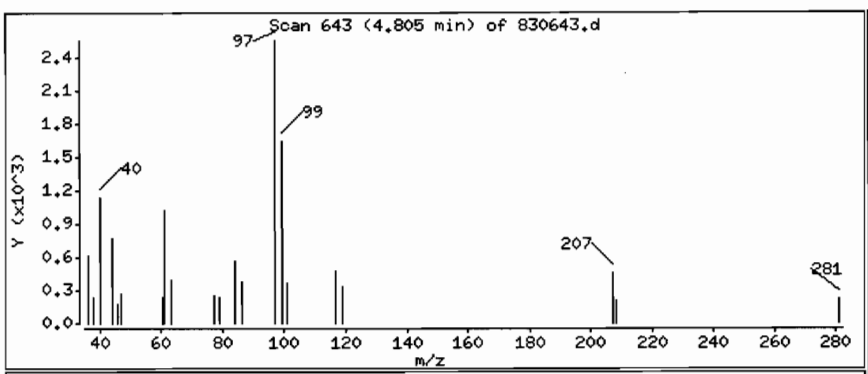
Client ID: ISCO IW06 Instrument: J.i

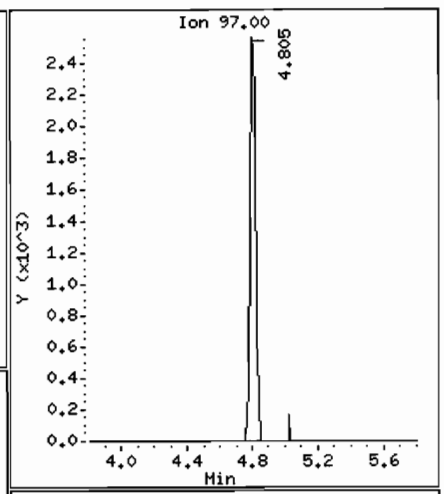
Sample Info: ISCO IW06 :[05/18/10 @1500(WATER)

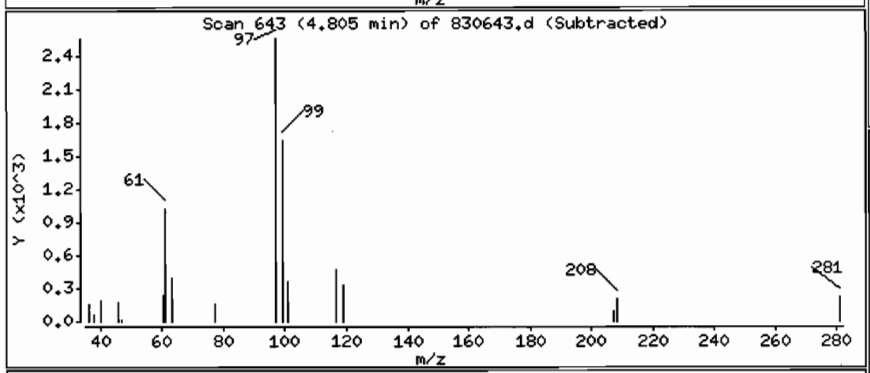
Purge Volume: 25.0 Operator: JP1

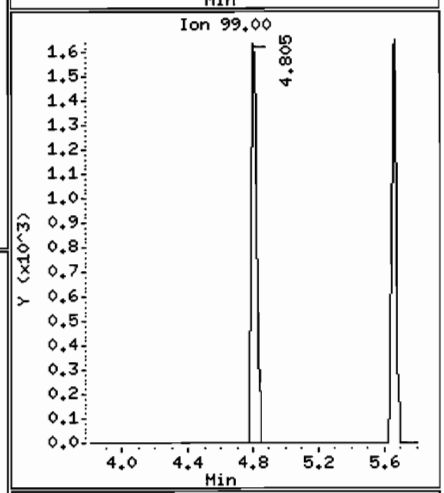
Column phase: DB-624 Column diameter: 0.53

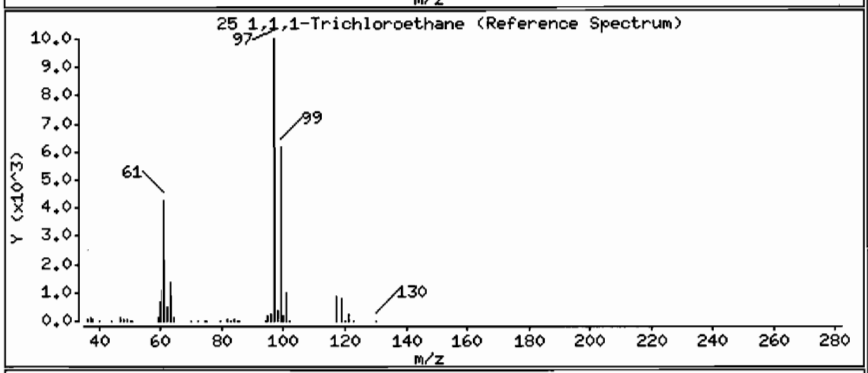
25 1,1,1-Trichloroethane Concentration: 0.069 ug/L

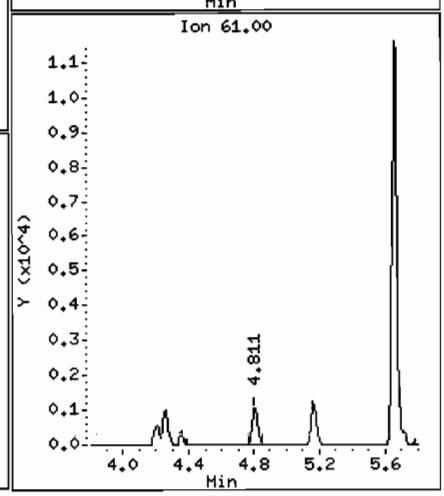


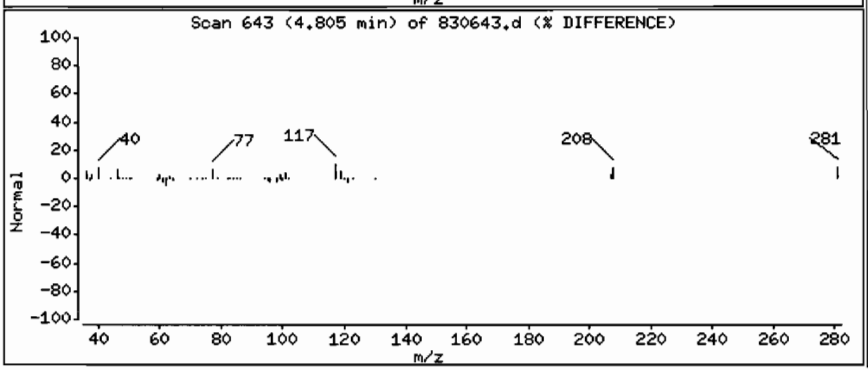












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

Sample Info: ISCO IW06 :[05/18/10 @1500(WATER)

Purge Volume: 25.0

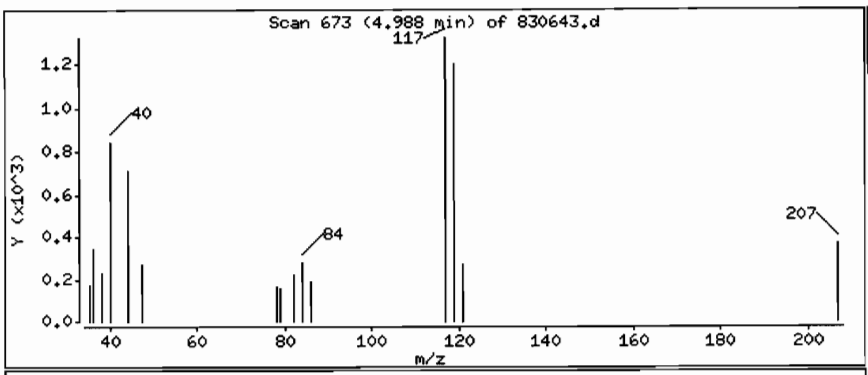
Operator: JP1

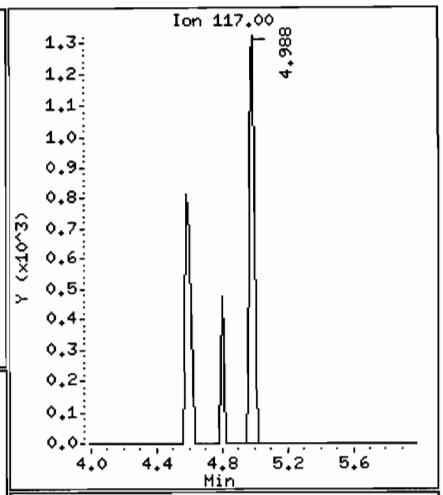
Column phase: DB-624

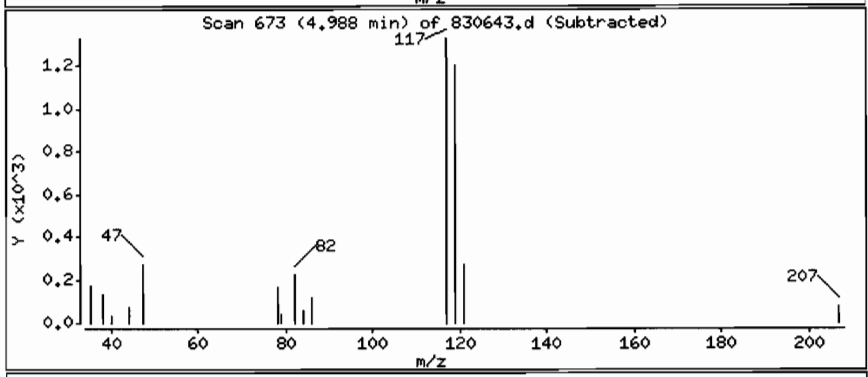
Column diameter: 0.53

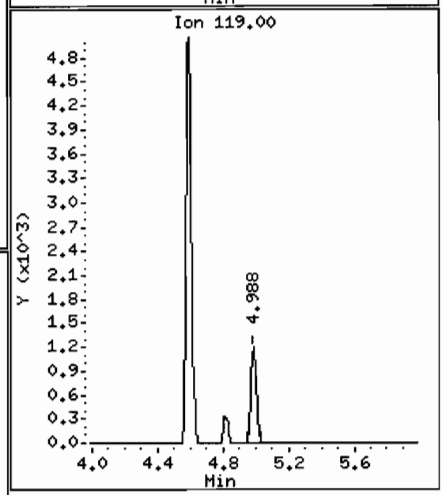
27 Carbon tetrachloride

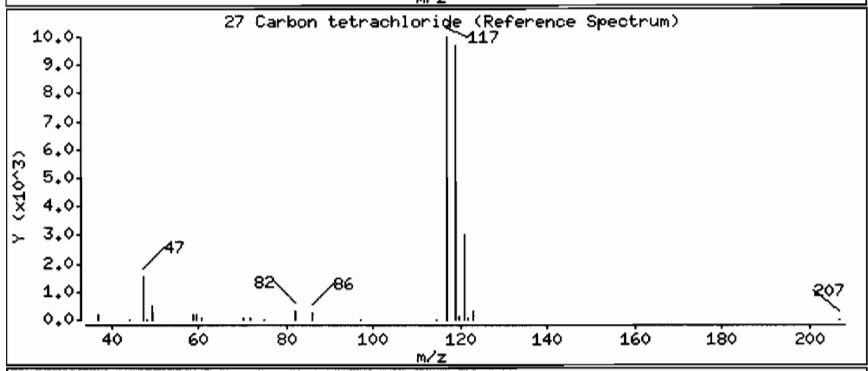
Concentration: 0.039 ug/L

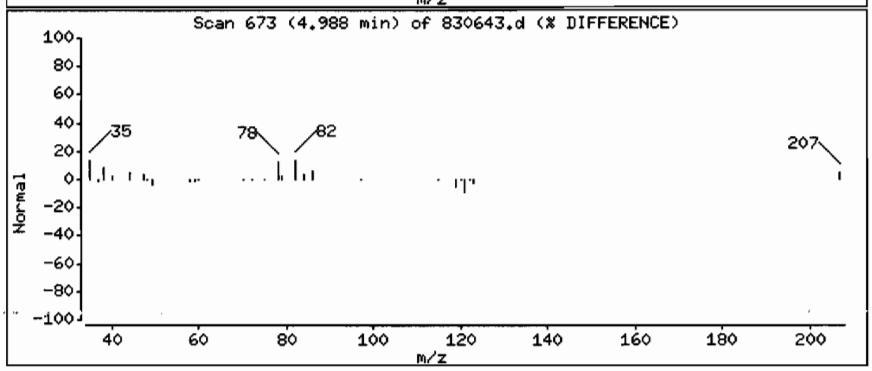












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

Sample Info: ISCO IW06 :[ ]05/18/10 @1500(WATER)

Purge Volume: 25.0

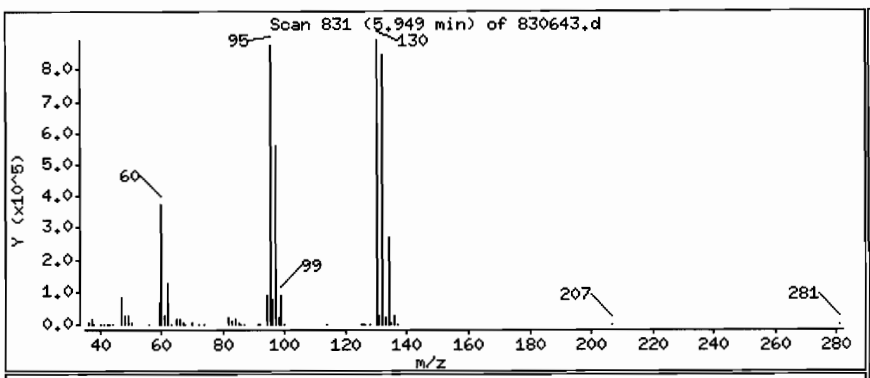
Operator: JP1

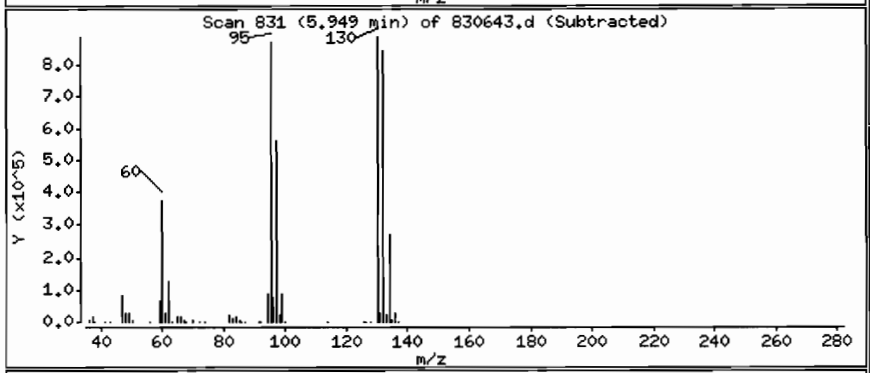
Column phase: DB-624

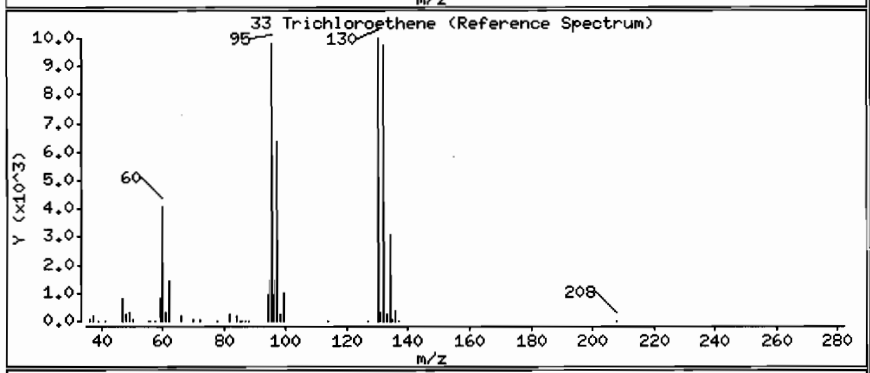
Column diameter: 0.53

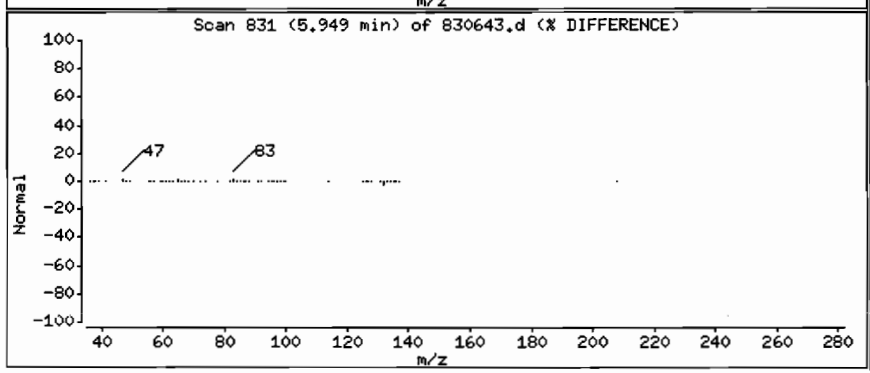
33 Trichloroethene

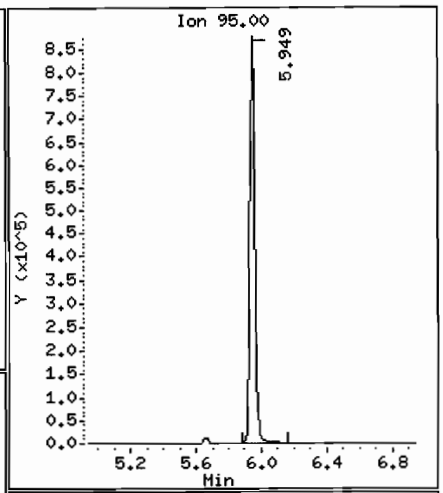
Concentration: 31 ug/L

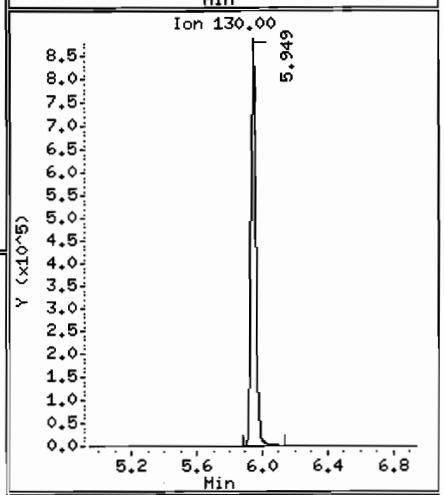


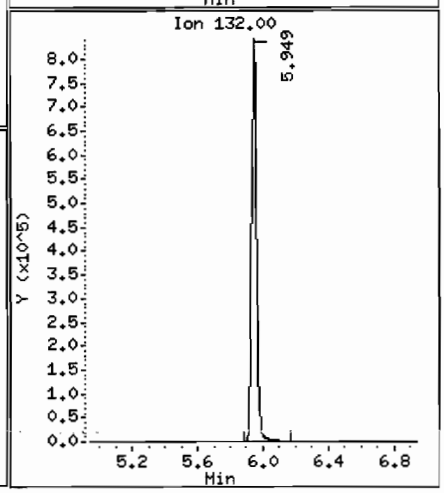












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

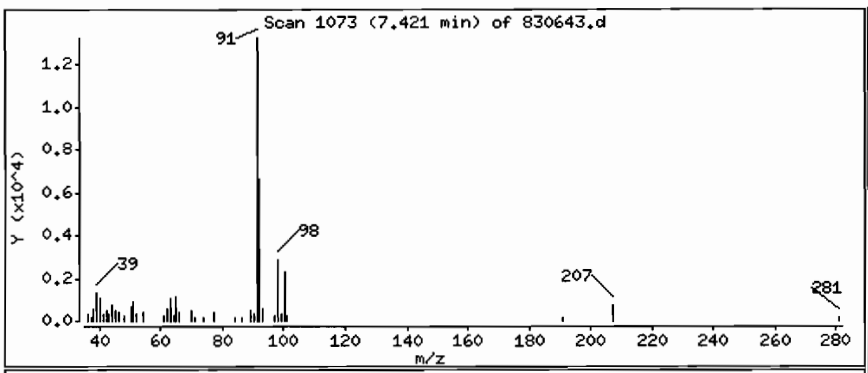
Client ID: ISCO IW06 Instrument: J.i

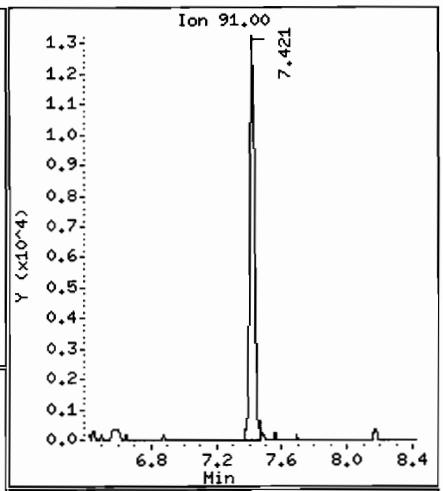
Sample Info: ISCO IW06 :[J05/18/10 @1500(WATER)

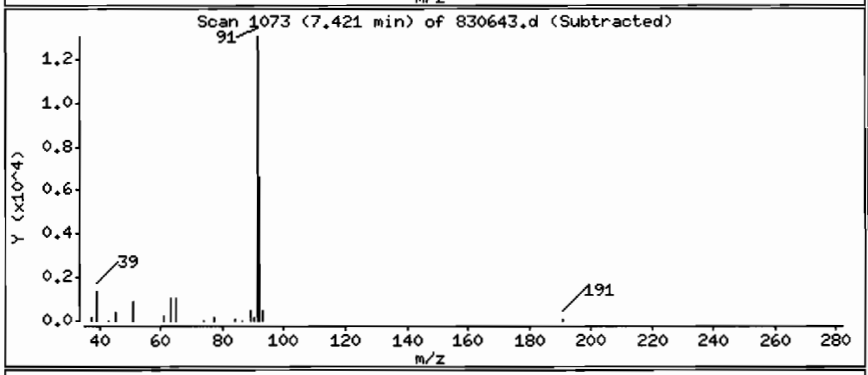
Purge Volume: 25.0 Operator: JP1

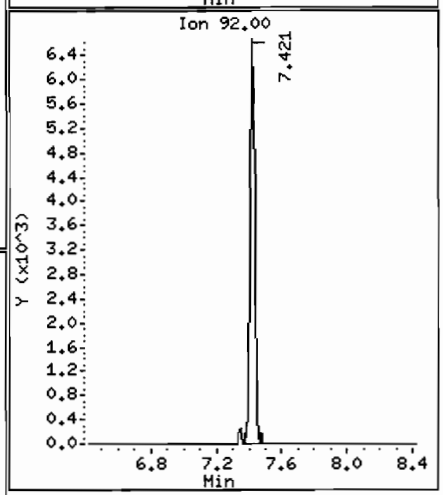
Column phase: DB-624 Column diameter: 0.53

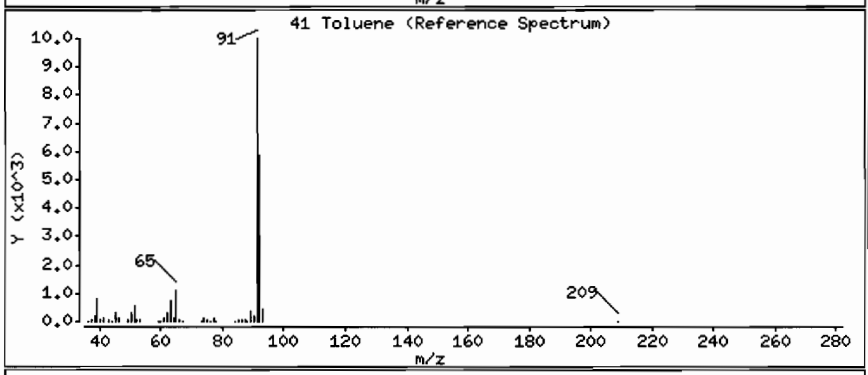
41 Toluene Concentration: 0.10 ug/L

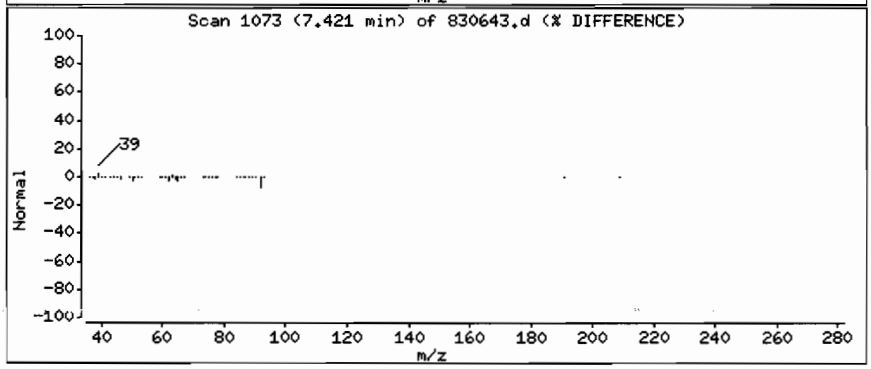












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

Sample Info: ISCO IW06 :[J05/18/10 @1500(WATER)

Purge Volume: 25.0

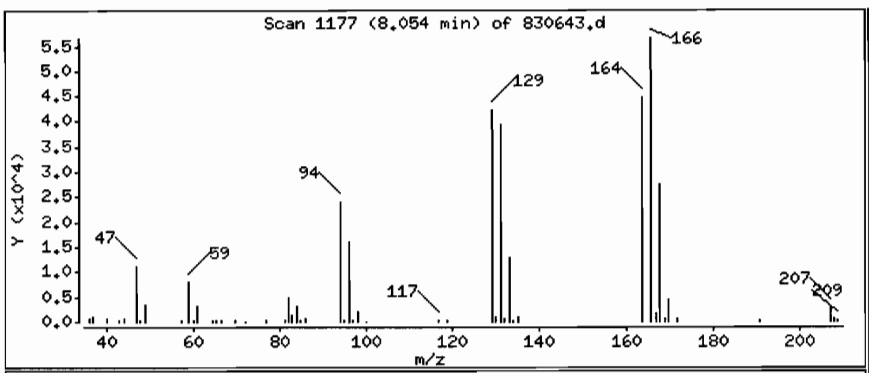
Operator: JP1

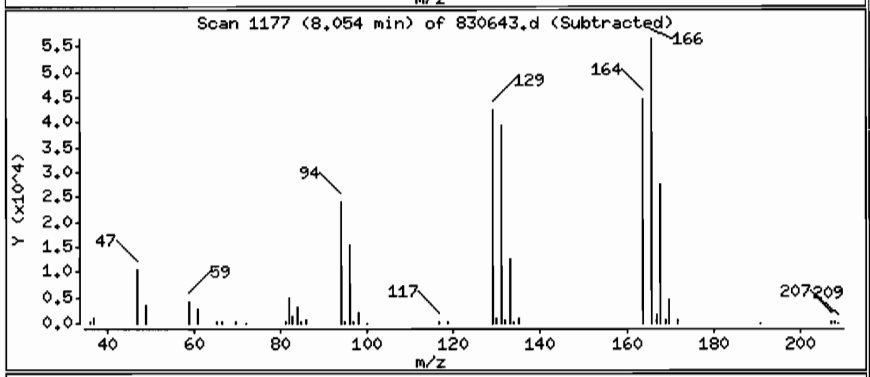
Column phase: DB-624

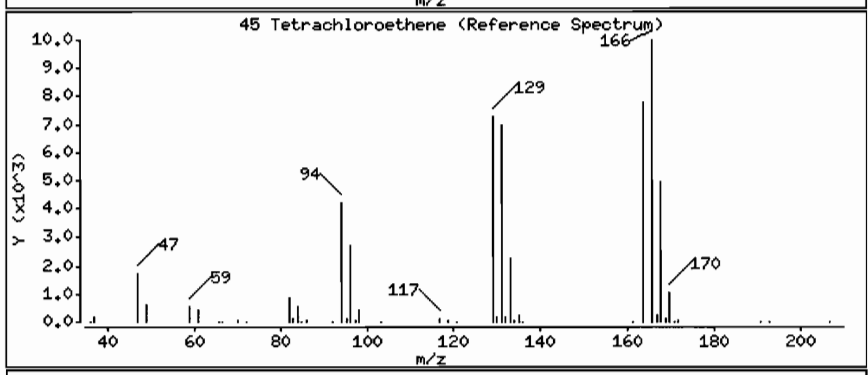
Column diameter: 0.53

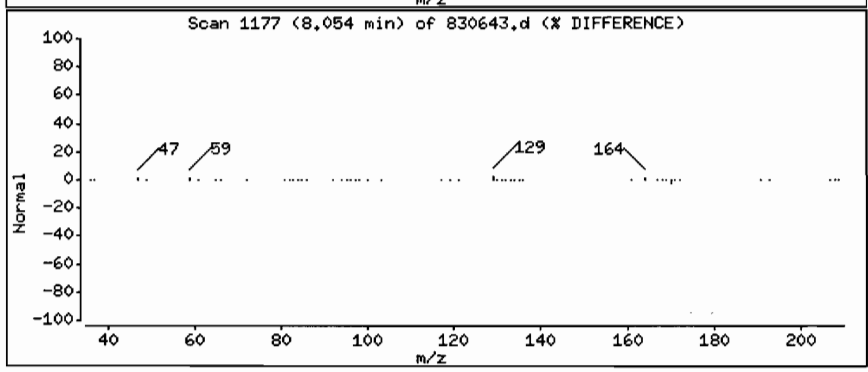
45 Tetrachloroethene

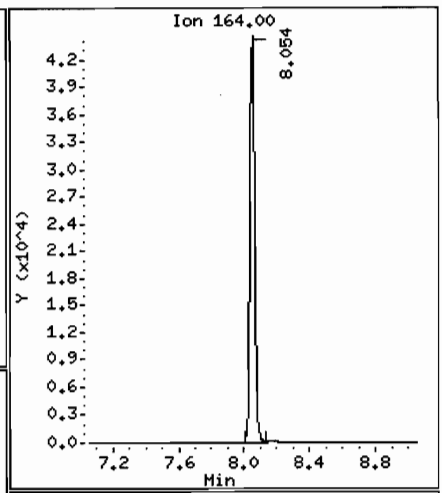
Concentration: 1.9 ug/L

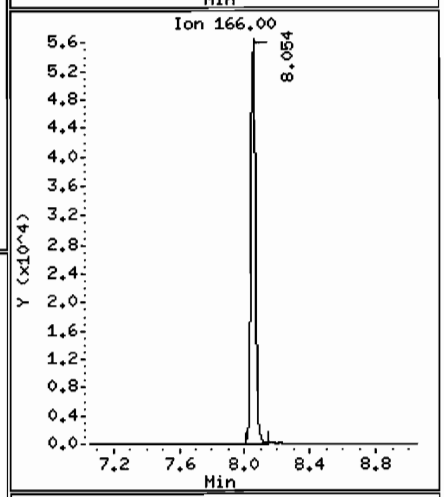


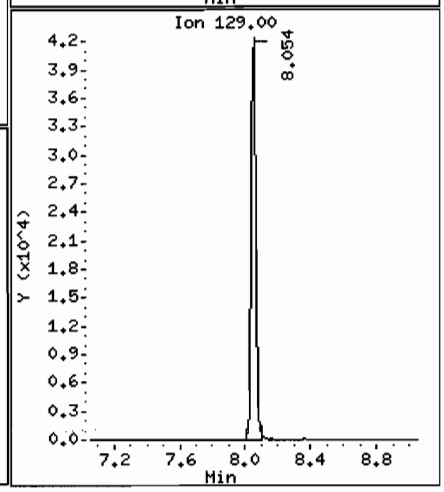












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

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Date : 25-MAY-2010 23:31

Client ID: ISCO IW06

Instrument: J.i

Sample Info: ISCO IW06 :[J05/18/10 @1500(WATER)

Purge Volume: 25.0

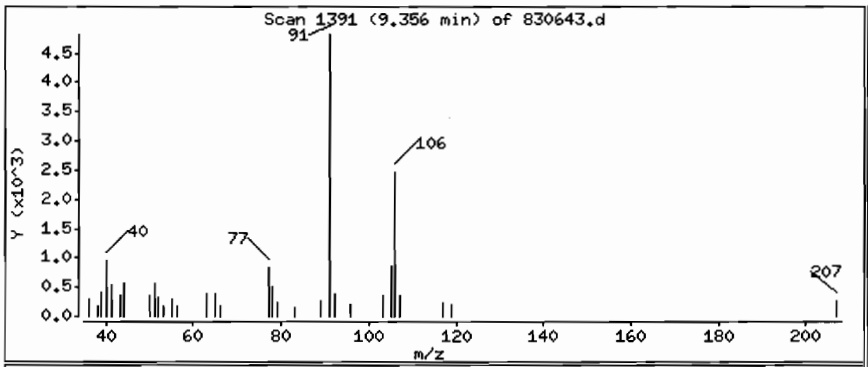
Operator: JP1

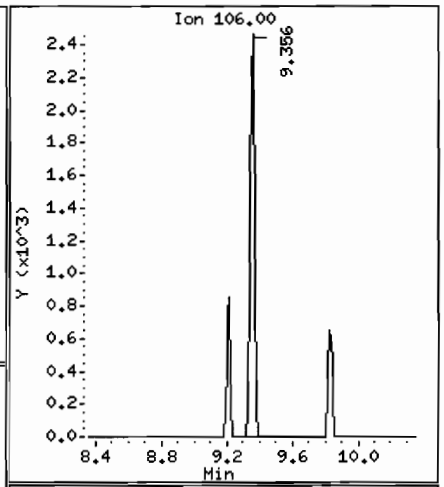
Column phase: DB-624

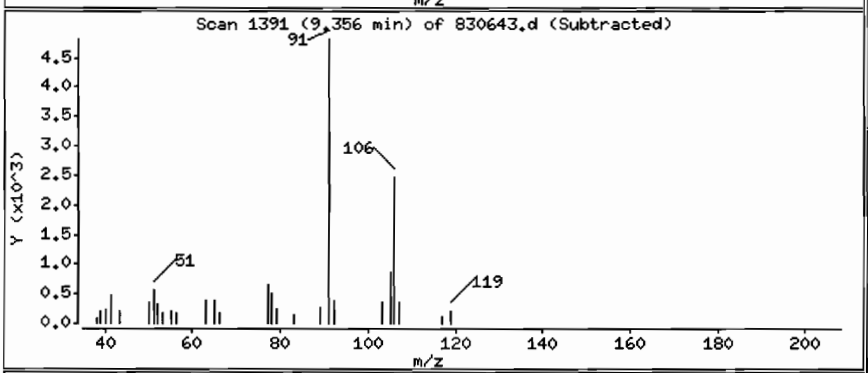
Column diameter: 0.53

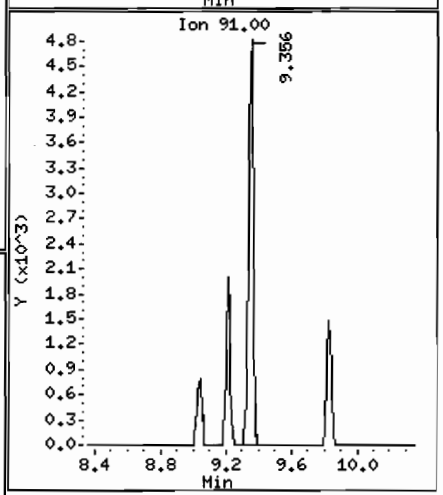
53 m,p-Xylene

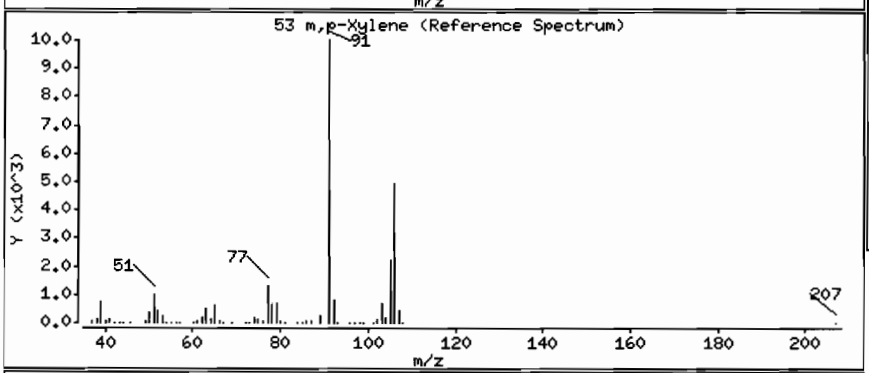
Concentration: 0.042 ug/L

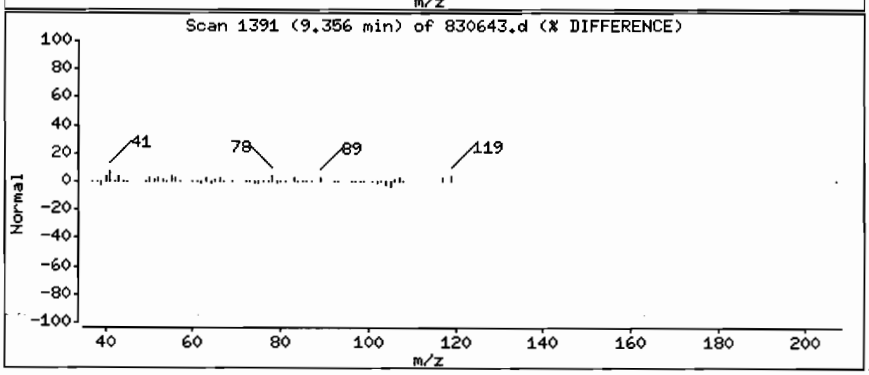












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830643.d

Date : 25-MAY-2010 23:31

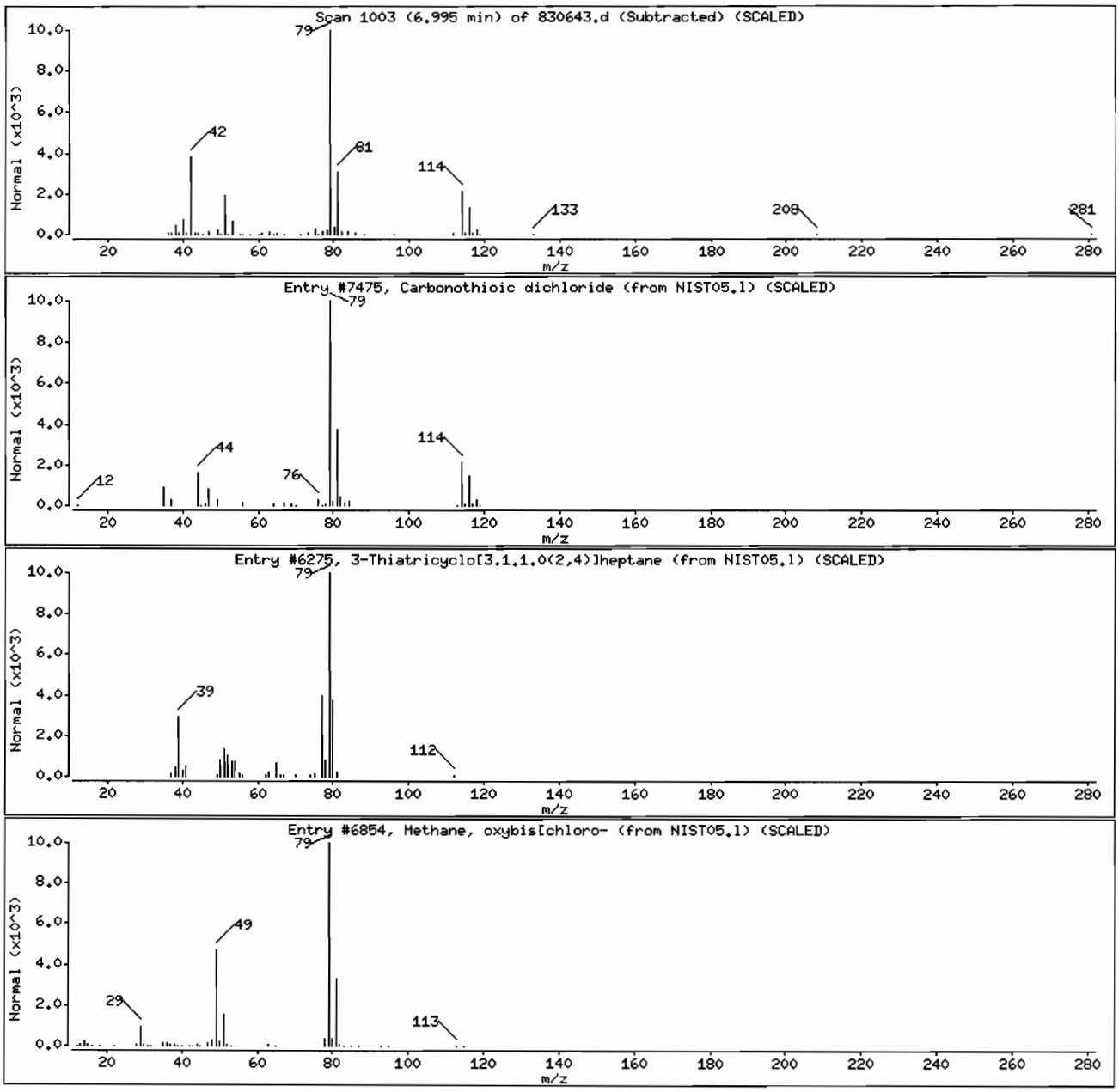
Client ID: ISCO IW06 Instrument: J.i

Sample Info: ISCO IW06 :[105/18/10 @1500(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW06DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830643D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830643D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	21	DB
75-15-0	Carbon disulfide	1.0	U
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	0.17	DJB
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	0.61	DJ
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	0.062	DJ
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW06DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830643D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830643D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	28	D
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.10	DJ
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.8	D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
179601-23-1	m,p-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO IW06DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830643D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830643D

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	6.3	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Page 5

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

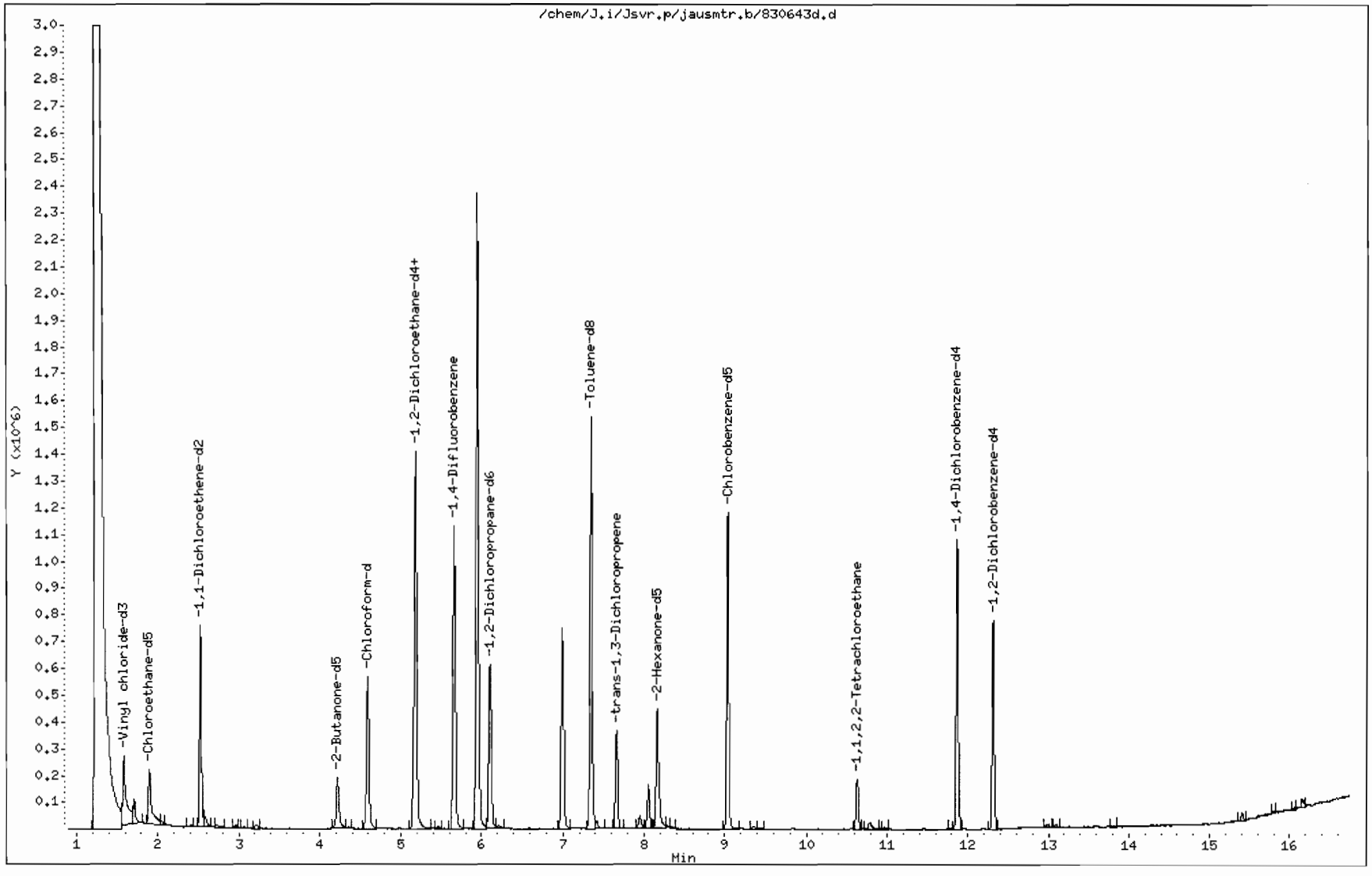
Sample Info: ISCO IW06 :[ ]05/18/10 @1500(WATER)

Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830643d.d
Lab Smp Id: 830643D1 Client Smp ID: ISCO IW06DL
Inj Date : 25-MAY-2010 15:51
Operator : JH2 Inst ID: J.i
Smp Info : ISCO IW06 :[ ]05/18/10 @1500(WATER)
Misc Info : 830643,052510JV,2,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 5
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	408588	4.75690	4.8
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	330057	5.16162	5.2
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	534747	3.90026	3.9
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	(0.457)	30558	10.5436	21
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	5147	0.08519	0.17(a)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.211	3.211	(0.568)	17357	0.30353	0.61(a)
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	300784	57.0307	57
	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	4.586	4.586	(0.811)	557907	5.08724	5.1
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	3111	0.03092	0.062(a)
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	180846	5.19399	5.2
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1398041	5.31617	5.3
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1057961	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	929946	13.8868	28
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	353575	5.18497	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	7.342	7.342	(0.812)	1208972	5.10438	5.1
	41 Toluene	91	7.421	7.421	(0.821)	14578	0.05086	0.10(a)
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	241625	4.99198	5.0
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	48113	0.92426	1.8
$	46 2-Hexanone-d5	63	8.163	8.157	(0.903)	227946	53.0655	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	9.039	9.039	(1.000)	789911	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	113424	5.23542	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	11.868	11.868	(1.000)	339416	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	241917	4.91164	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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830643d.d
Lab Smp Id: 830643D1 Client Smp ID: ISCO IW06DL
Inj Date : 25-MAY-2010 15:51
Operator : JH2 Inst ID: J.i
Smp Info : ISCO IW06 :[ ]05/18/10 @1500(WATER)
Misc Info : 830643,052510JV,2,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 5
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2383939	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
6.995	1491470	3.12816143	6.3	0		0	32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

Sample Info: ISCO IW06 :[ ]05/18/10 @1500(WATER)

Purge Volume: 25.0

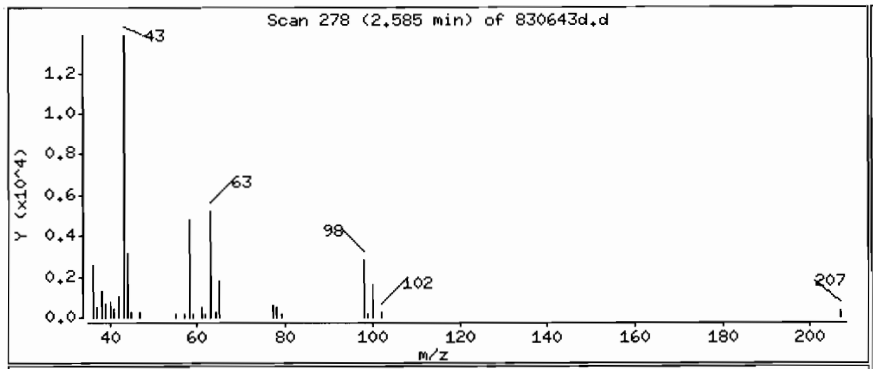
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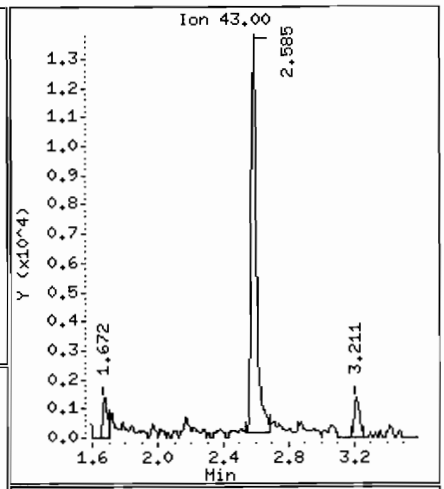
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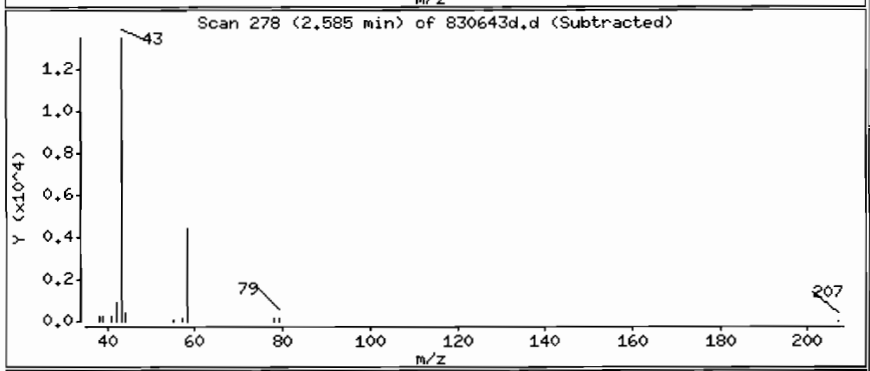
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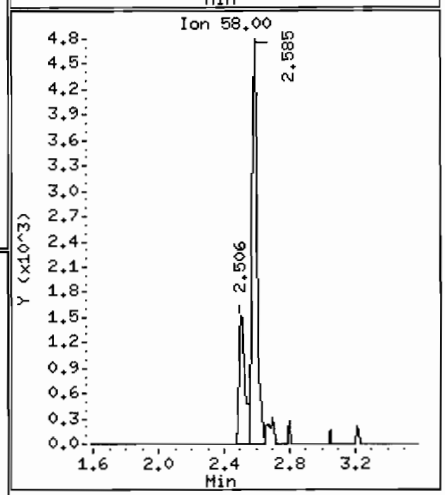
12 Acetone

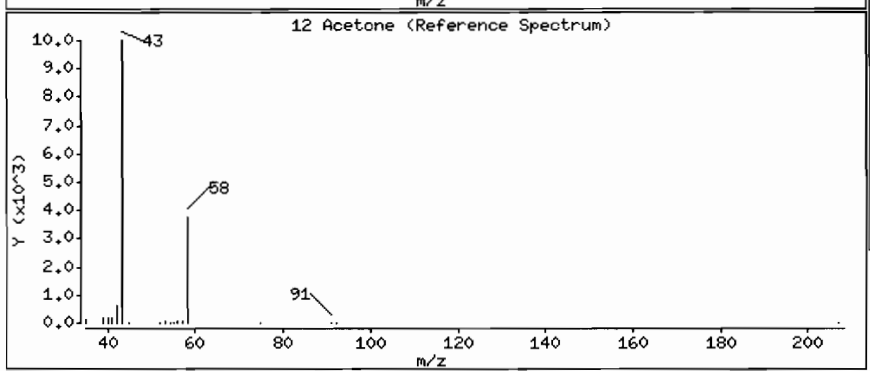
Concentration: 21 ug/L

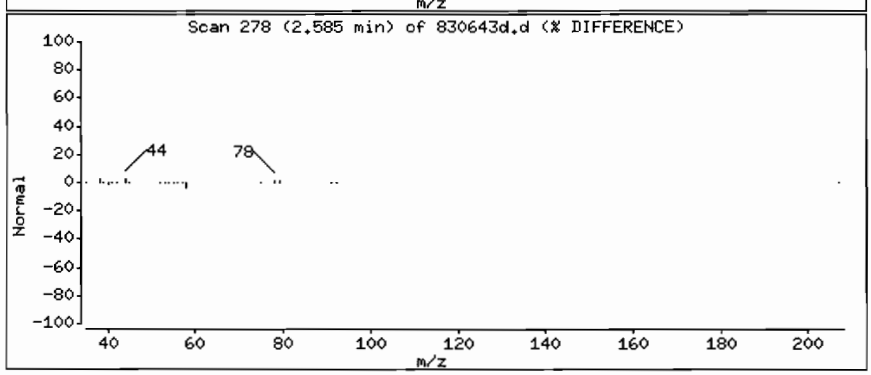












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

Sample Info: ISCO IW06 :[J05/18/10 @1500(WATER)

Purge Volume: 25.0

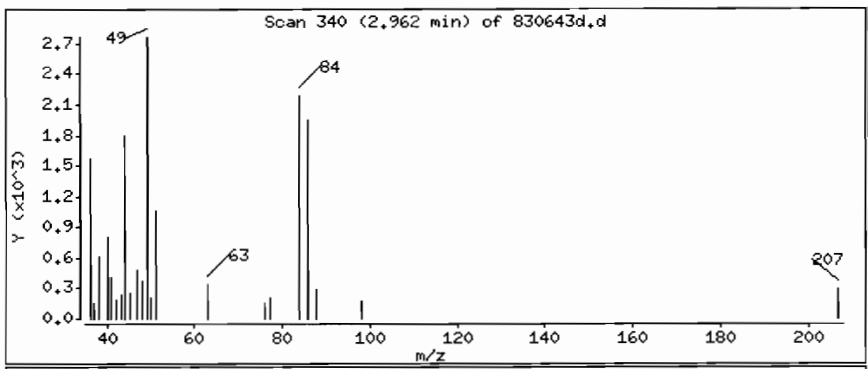
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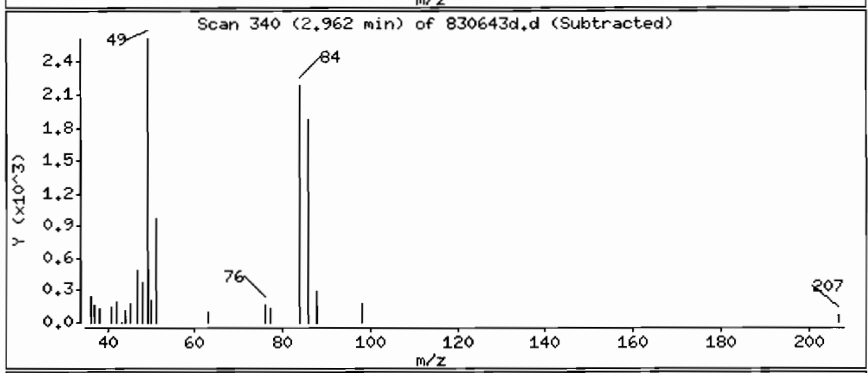
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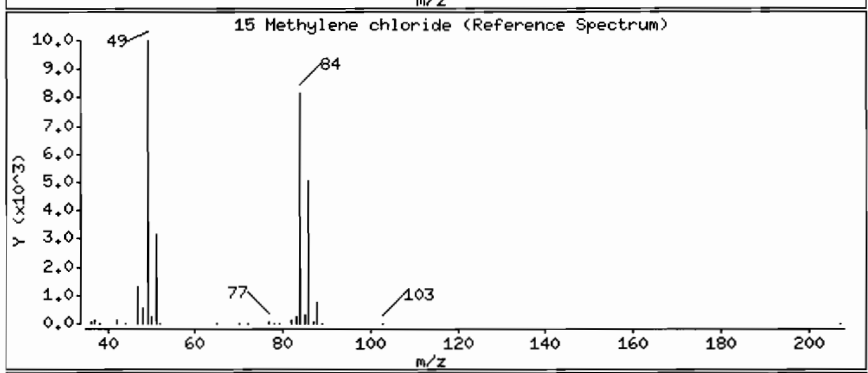
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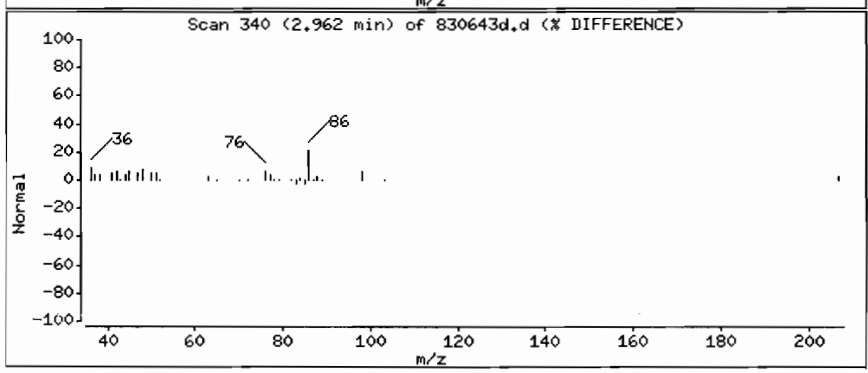
15 Methylene chloride

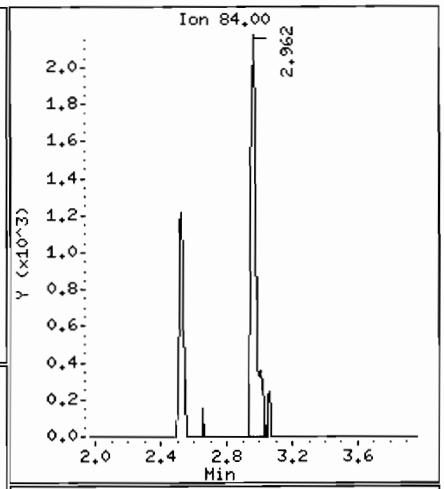
Concentration: 0.17 ug/L

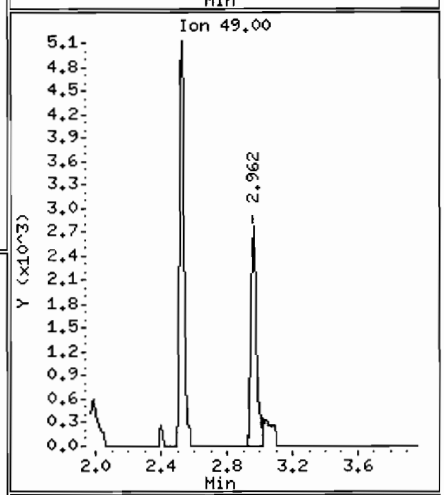


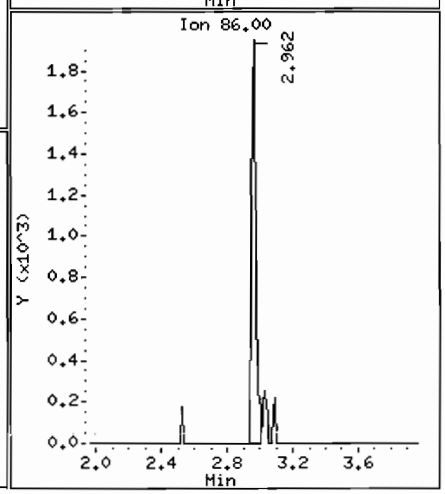












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

Sample Info: ISCO IW06 :[05/18/10 @1500(WATER)

Purge Volume: 25.0

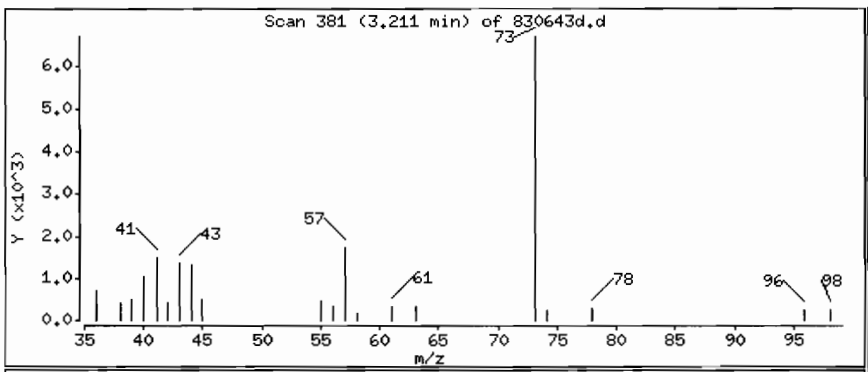
Operator: JH2

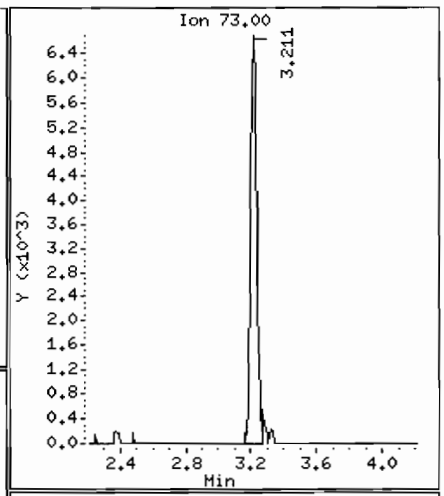
Column phase: DB-624

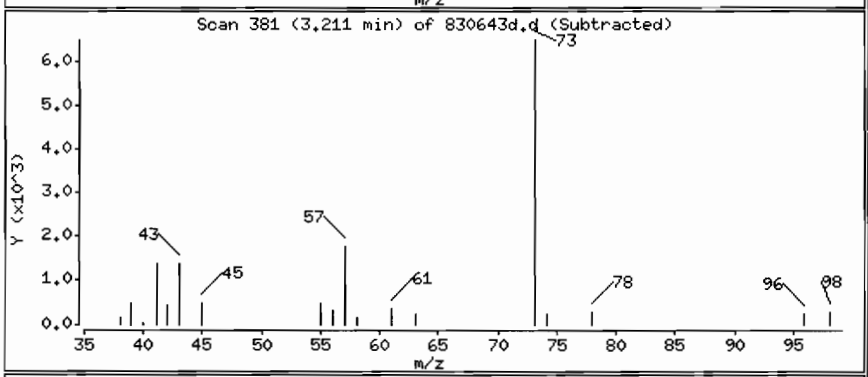
Column diameter: 0.53

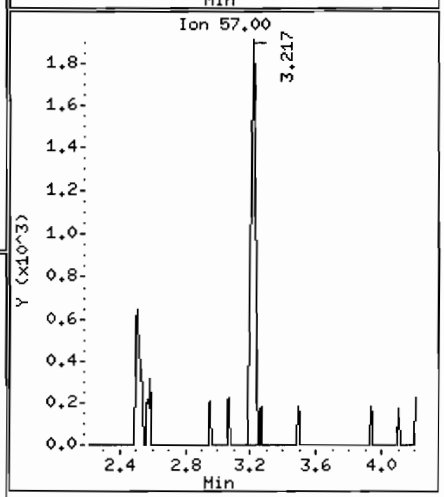
17 Methyl tert-butyl ether

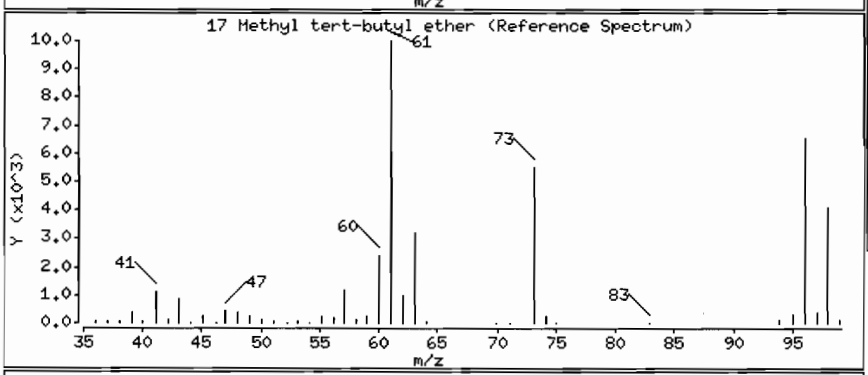
Concentration: 0.61 ug/L

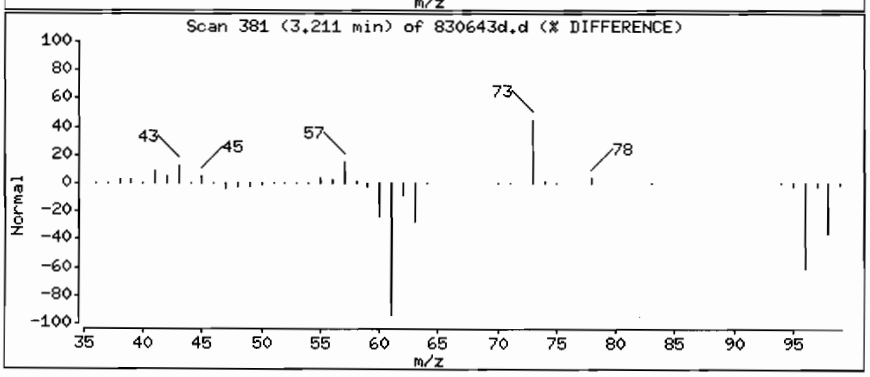












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

Sample Info: ISCO IW06 :[J05/18/10 @1500(WATER)

Purge Volume: 25.0

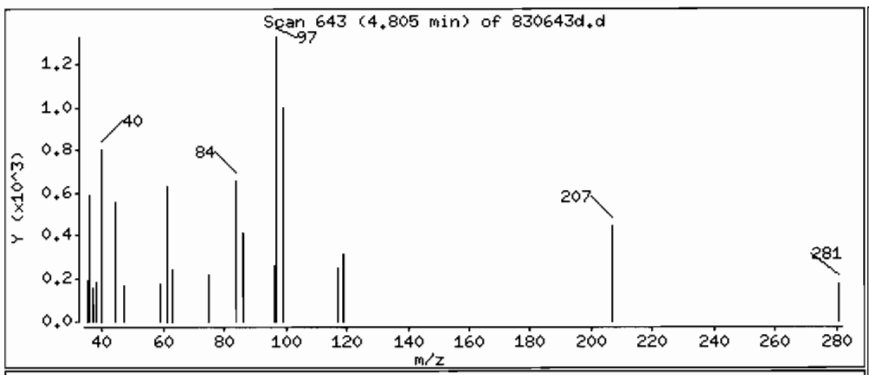
Operator: JH2

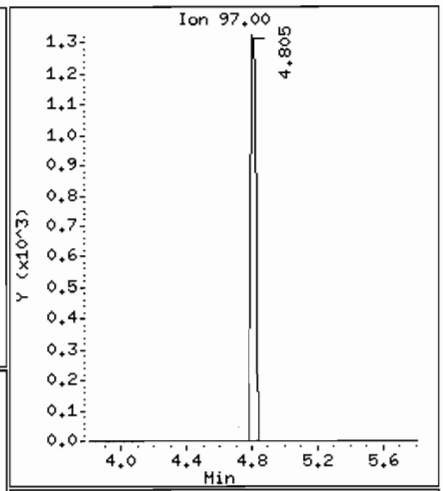
Column phase: DB-624

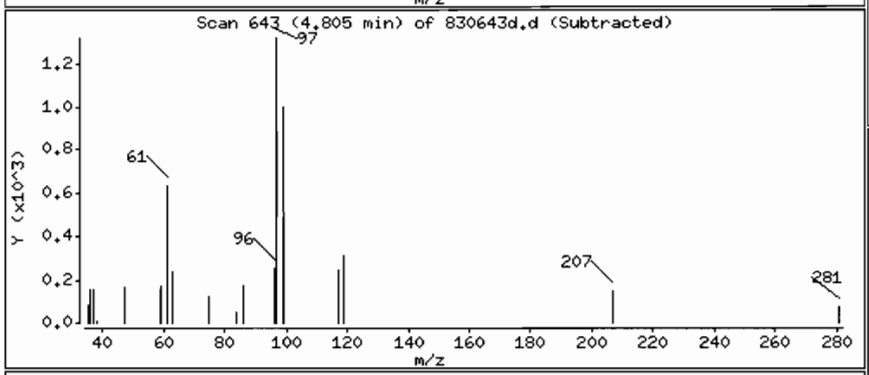
Column diameter: 0.53

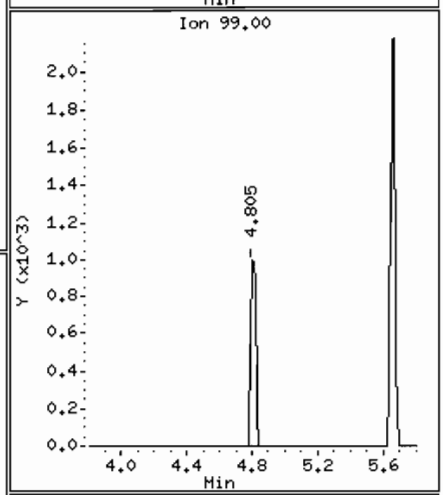
25 1,1,1-Trichloroethane

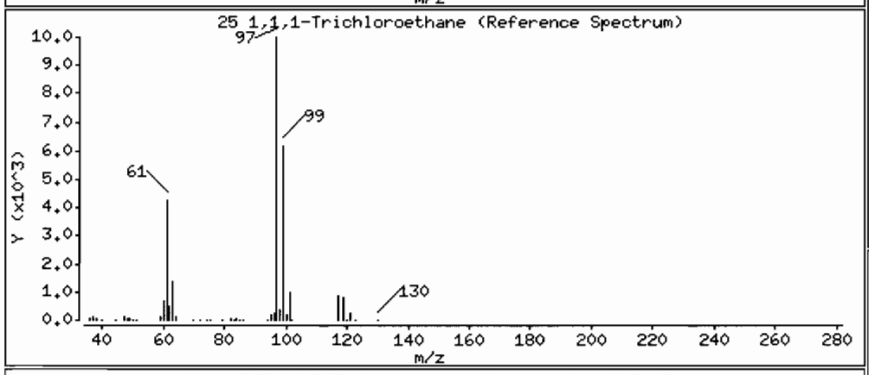
Concentration: 0.062 ug/L

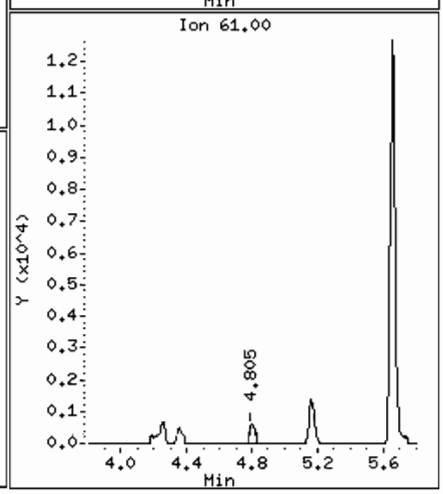


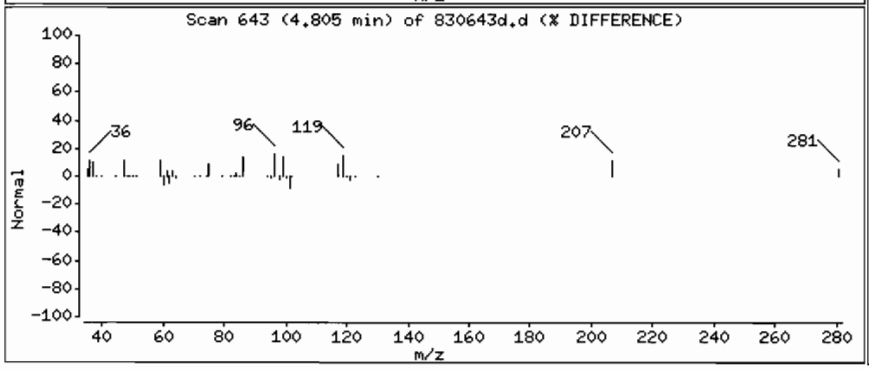












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

Sample Info: ISCO IW06 :[05/18/10 @1500(WATER)

Purge Volume: 25.0

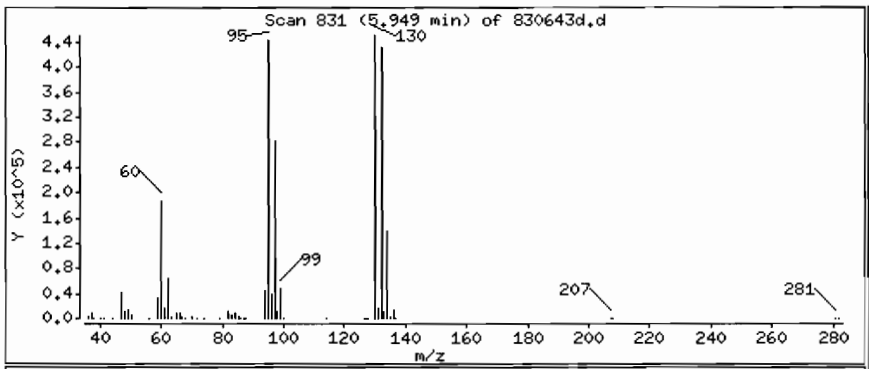
Operator: JH2

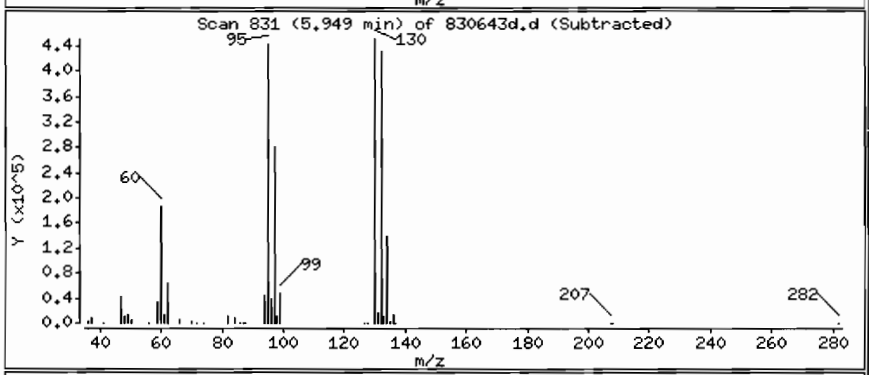
Column phase: DB-624

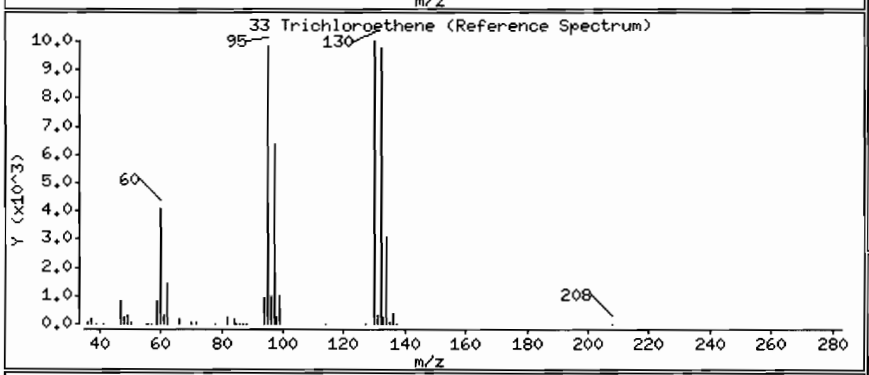
Column diameter: 0.53

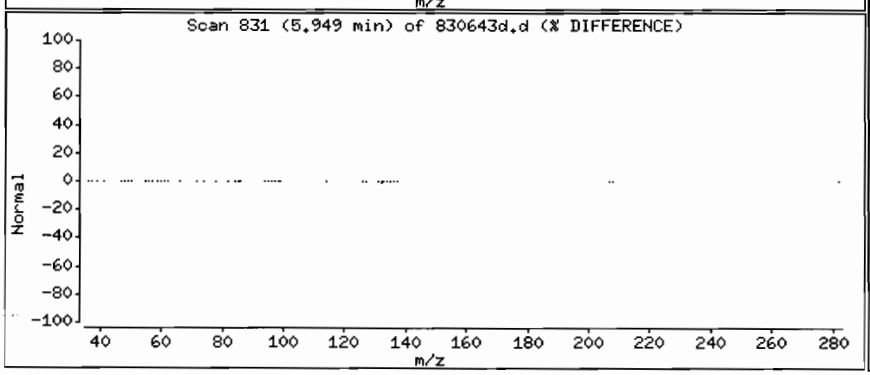
33 Trichloroethene

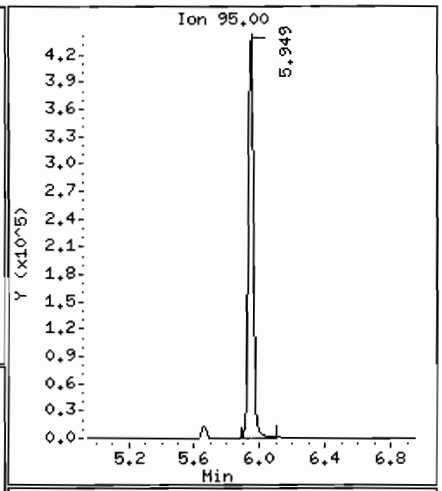
Concentration: 28 ug/L

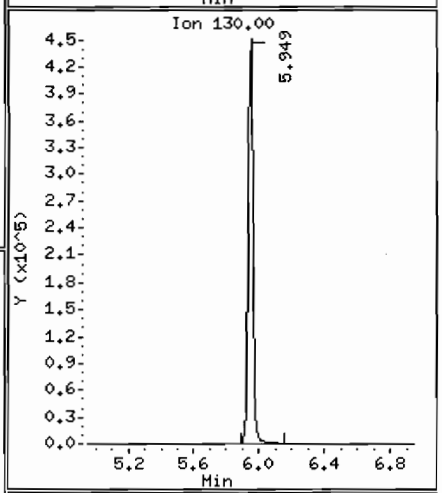


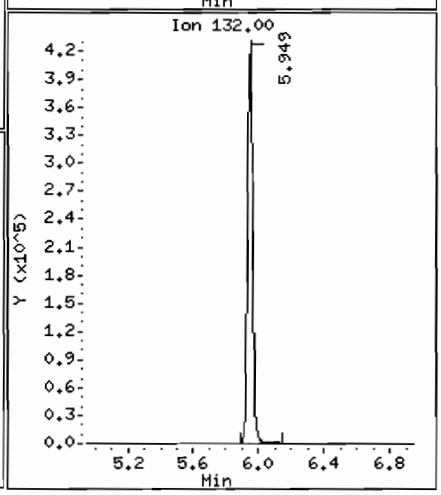












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

Sample Info: ISCO IW06 :[05/18/10 @1500(WATER)

Purge Volume: 25.0

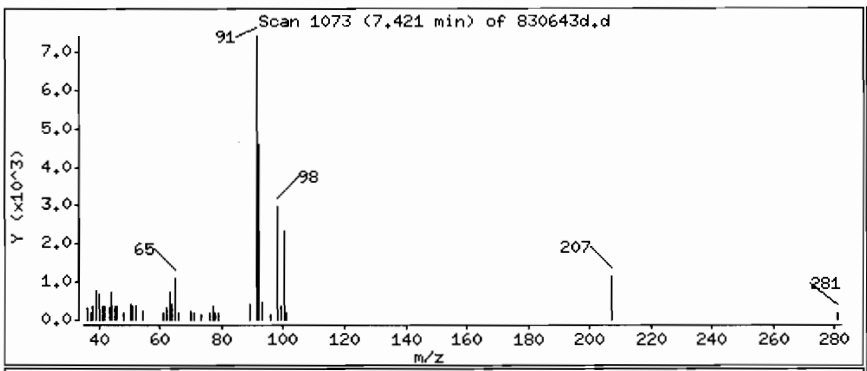
Operator: JH2

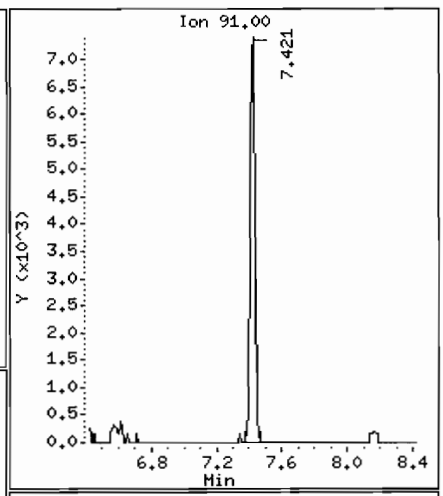
Column phase: DB-624

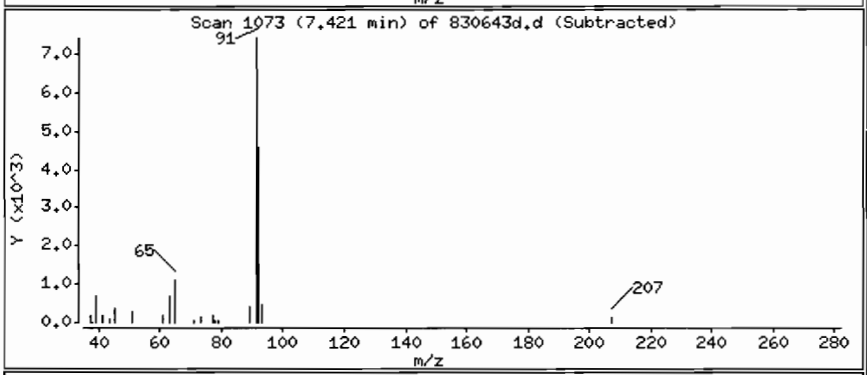
Column diameter: 0.53

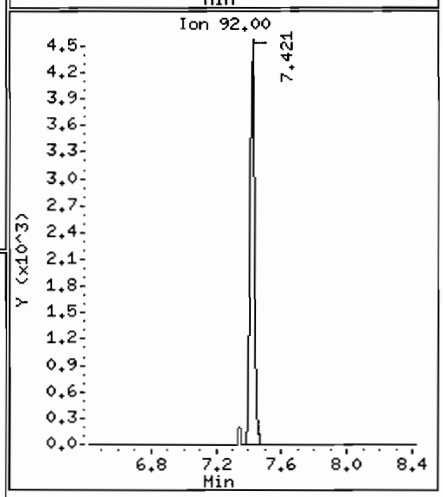
41 Toluene

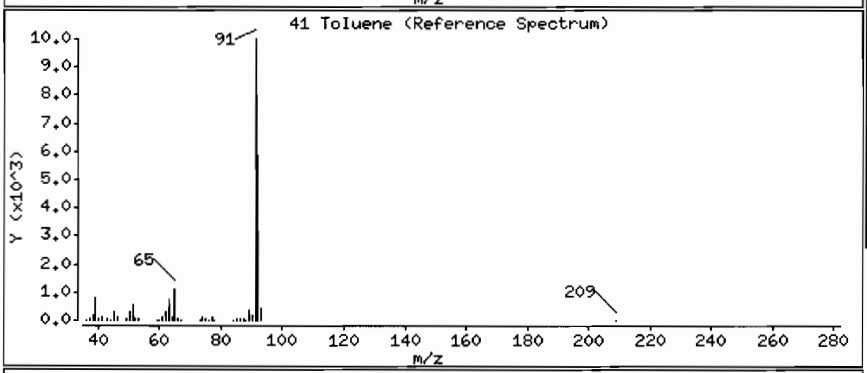
Concentration: 0.10 ug/L

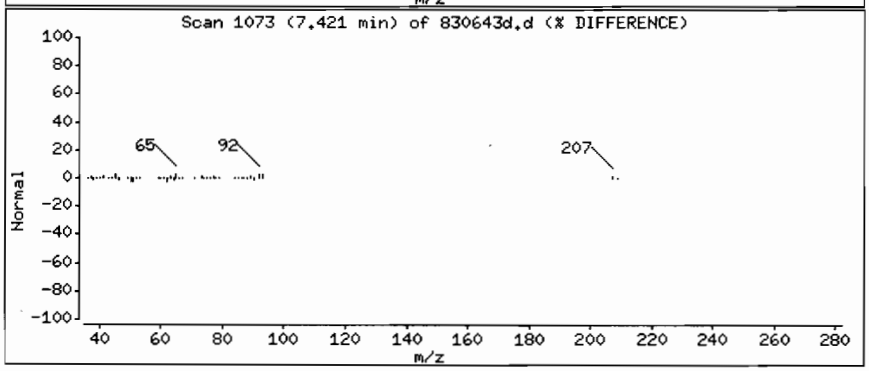












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

Sample Info: ISCO IW06 :[ ]05/18/10 @1500(WATER)

Purge Volume: 25.0

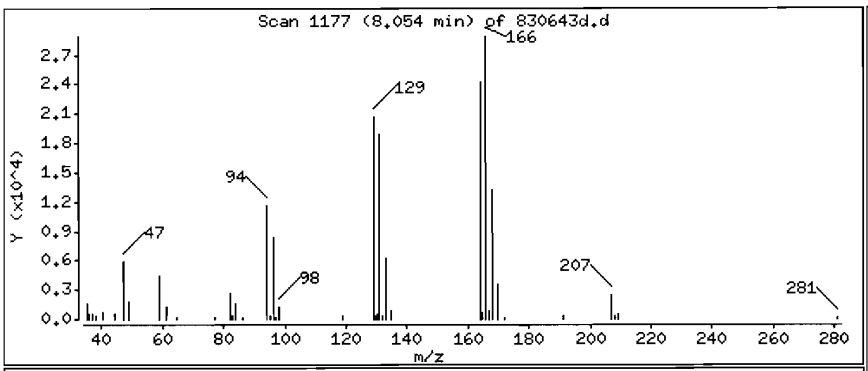
Operator: JH2

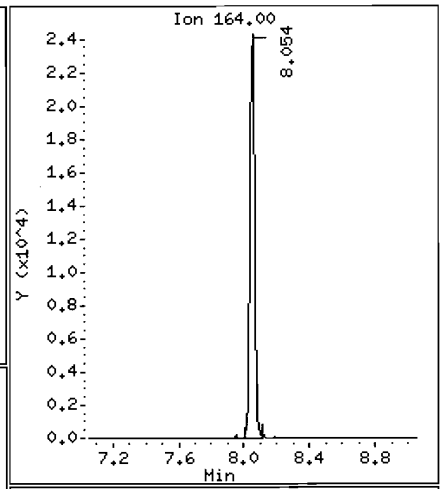
Column phase: DB-624

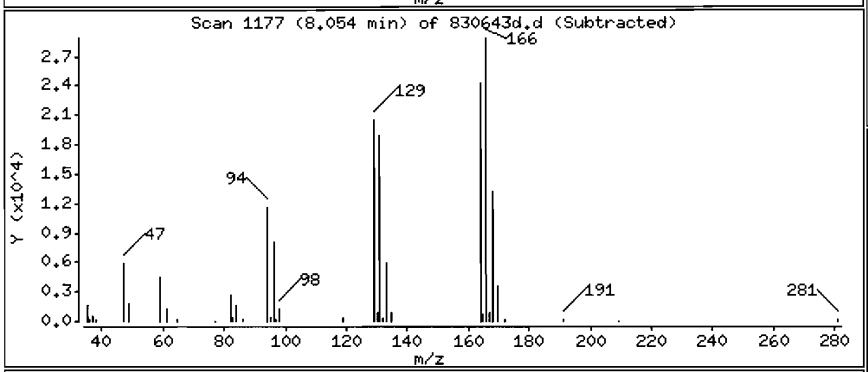
Column diameter: 0.53

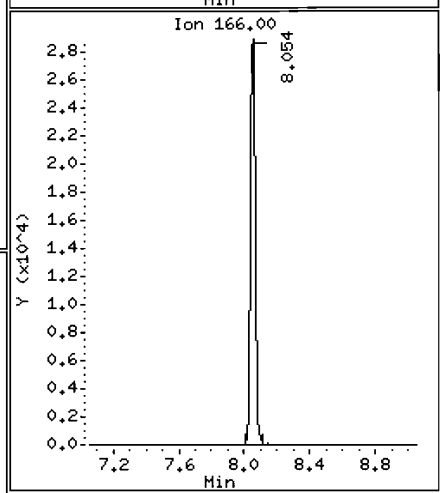
45 Tetrachloroethene

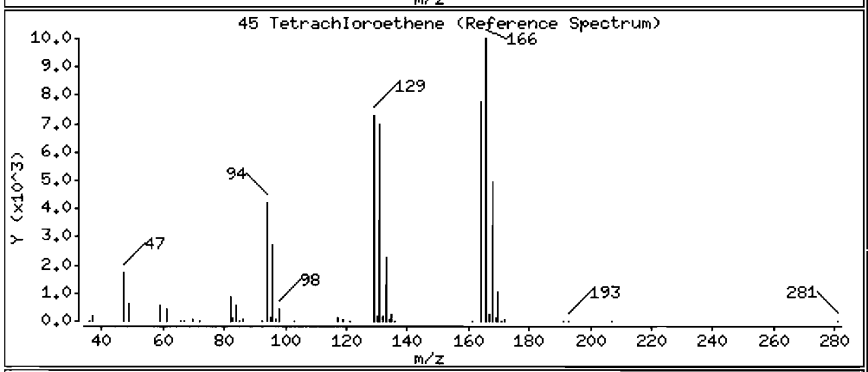
Concentration: 1.8 ug/L

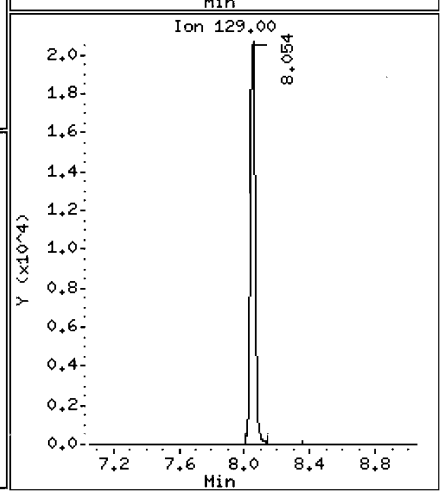


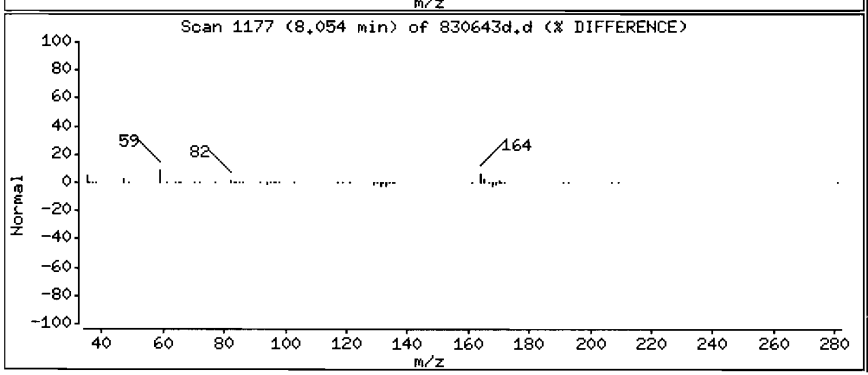












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830643d.d

Date : 25-MAY-2010 15:51

Client ID: ISCO IW06DL

Instrument: J.i

Sample Info: ISCO IW06 :[J05/18/10 @1500(WATER)

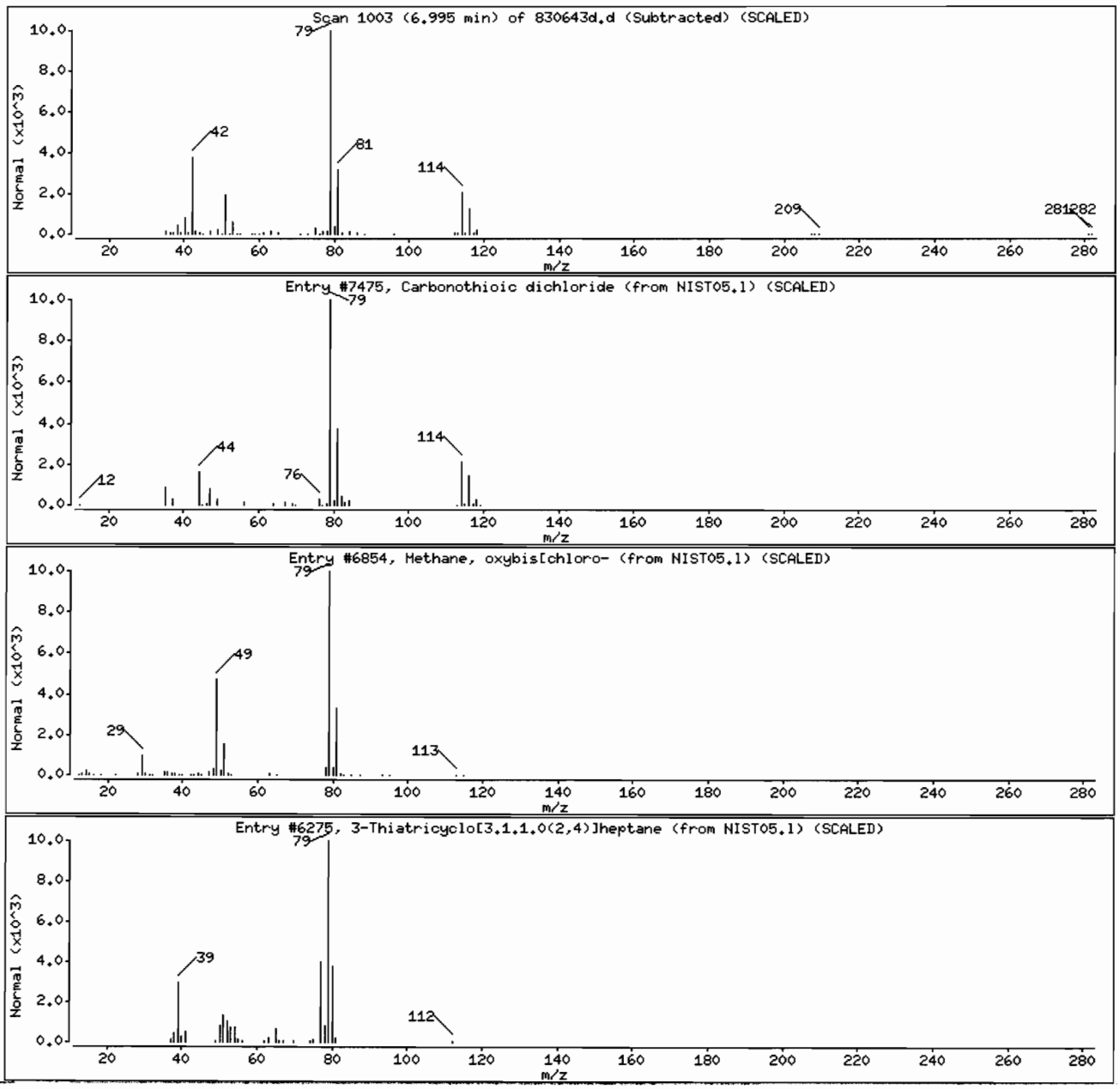
Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	38	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830644

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830644

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	3.0	JB
75-15-0	Carbon disulfide	0.082	JB
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.71	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	2.8	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.055	J
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830644

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830644

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	340	E
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.089	J
127-18-4	Tetrachloroethene	2.7	
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.035	JB

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO IW16

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830644

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830644

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.0	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d
Date : 25-MAY-2010 20:43
Client ID: ISCO IW16
Sample Info: ISCO IW16 :[105/17/10 @1030(WATER)
Purge Volume: 25.0
Column phase: DB-624
Instrument: J.i
Operator: JP1
Column diameter: 0.53
Y (x10^7)
0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8 6.0 6.2 6.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Min
-Vinyl chloride-d3
-Chloroethane-d5
-1,1-Dichloroethene-d2
-2-Butanone-d5
-Chloroform-d
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-1,2-Dichloropropane-d6
-Toluene-d8
-trans-1,3-Dichloropropene
-2-Hexanone-d5
-Chlorobenzene-d5
-1,1,2,2-Tetrachloroethane
-1,4-Dichlorobenzene-d4
-1,2-Dichlorobenzene-d4
/chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Page 5

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/830644.d
Lab Smp Id: 830644 Client Smp ID: ISCO IW16
Inj Date : 25-MAY-2010 20:43
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW16 :[ ]05/17/10 @1030(WATER)
Misc Info : 830644,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	413651	4.83351	4.8
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	323329	5.07495	5.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	529793	3.87830	3.9
	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	(0.457)	8703	3.01385	3.0(a)
	13 Carbon disulfide	76	2.731	2.737	(0.483)	17053	0.08199	0.082(a)
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.217	3.217	(0.569)	40462	0.71017	0.71
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	279047	53.1033	53
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	180558	2.78258	2.8
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.586	4.592	(0.811)	542737	4.96706	5.0
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	5506	0.05458	0.055(aQ)
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	175556	5.06055	5.1
$	29 Benzene-d6	84	5.176	5.182	(0.573)	1365838	5.17991	5.2
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1054095	5.00000	
	33 Trichloroethene	95	5.949	5.943	(0.658)	23036327	343.085	340(A)
$	34 1,2-Dichloropropane-d6	67	6.107	6.101	(0.676)	324188	4.74139	4.7
	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	7.342	7.342	(0.812)	1212168	5.10426	5.1
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	234177	4.82524	4.8
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	7.908	7.901	(0.875)	2171	0.08942	0.089(a)
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	142391	2.72807	2.7
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	220031	51.0867	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	9.039	9.039	(1.000)	792017	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	108351	4.98796	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	11.868	11.874	(1.000)	332283	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	243118	5.04198	5.0
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	14.472	14.472	(1.219)	1045	0.03535	0.035(aQ)

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

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/830644.d
Lab Smp Id: 830644 Client Smp ID: ISCO IW16
Inj Date : 25-MAY-2010 20:43
Operator : JP1 Inst ID: J.i
Smp Info : ISCO IW16 :[ ]05/17/10 @1030(WATER)
Misc Info : 830644,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2410330	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1440078	2.98730303	3.0	0		0	32

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

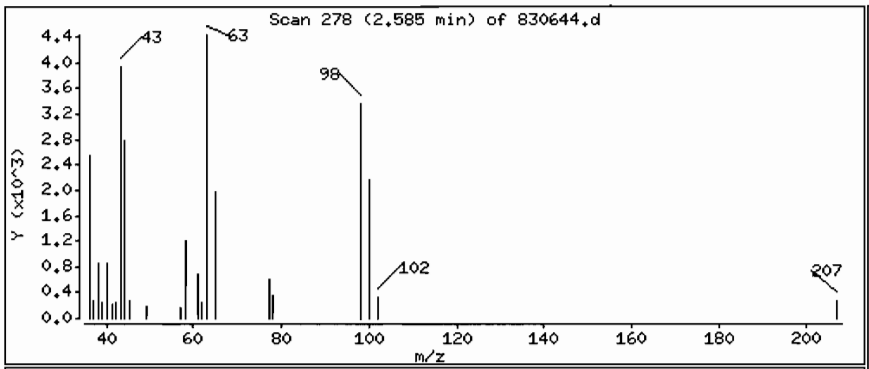
Client ID: ISCO IW16 Instrument: J.i

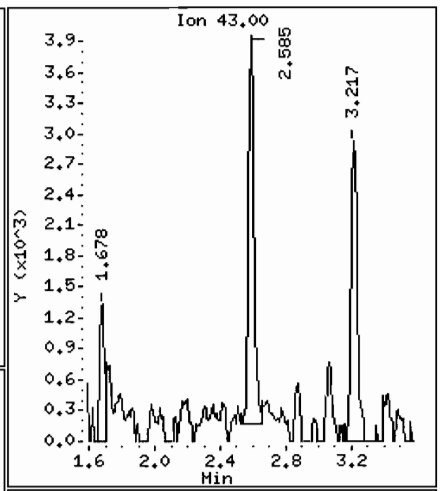
Sample Info: ISCO IW16 :[J05/17/10 @1030(WATER)

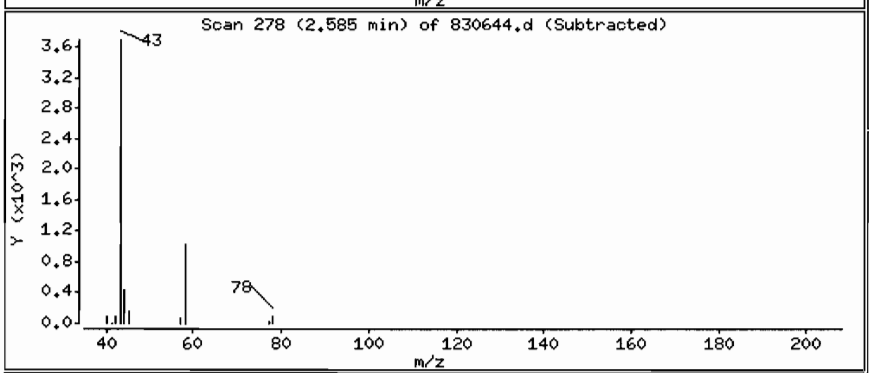
Purge Volume: 25.0 Operator: JP1

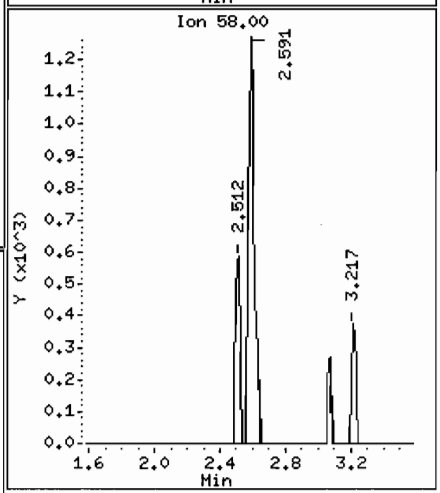
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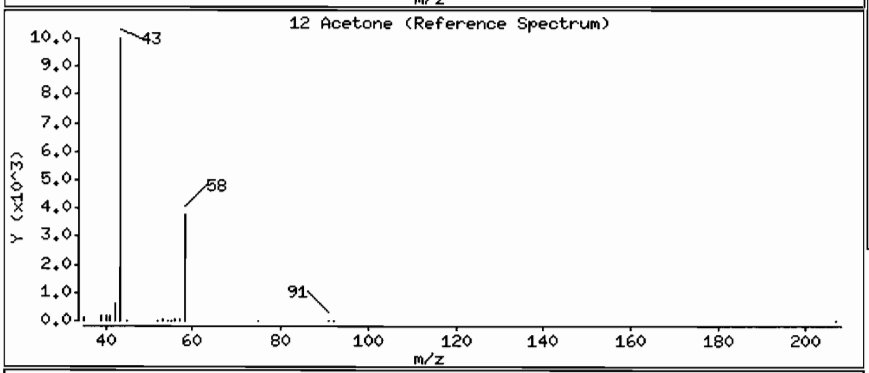
12 Acetone Concentration: 3.0 ug/L

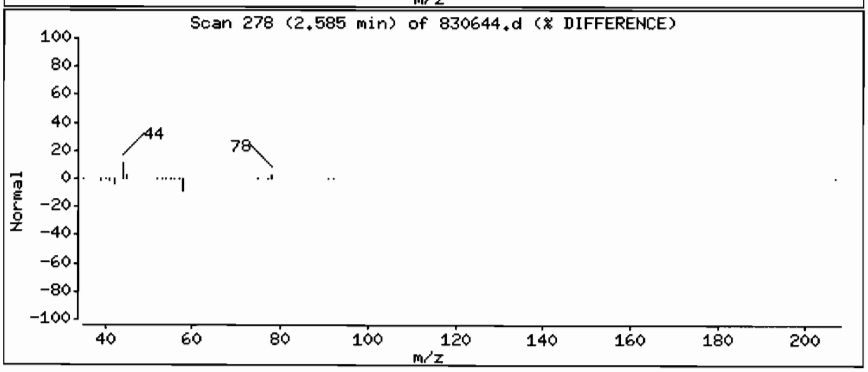












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

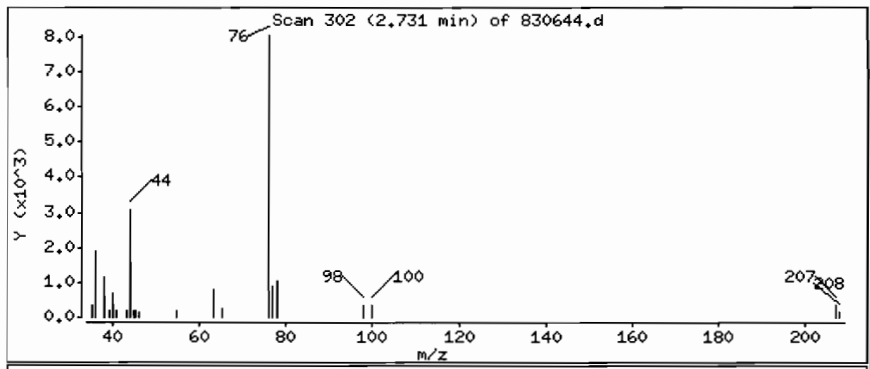
Client ID: ISCO IW16 Instrument: J.i

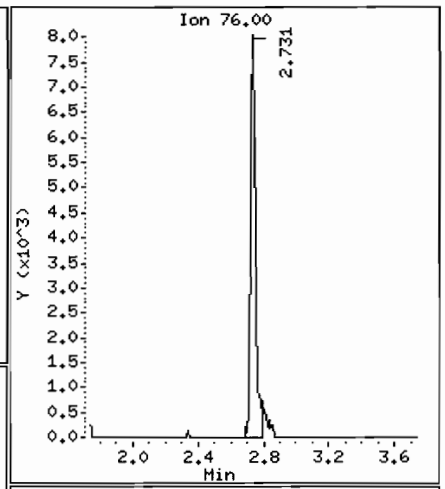
Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

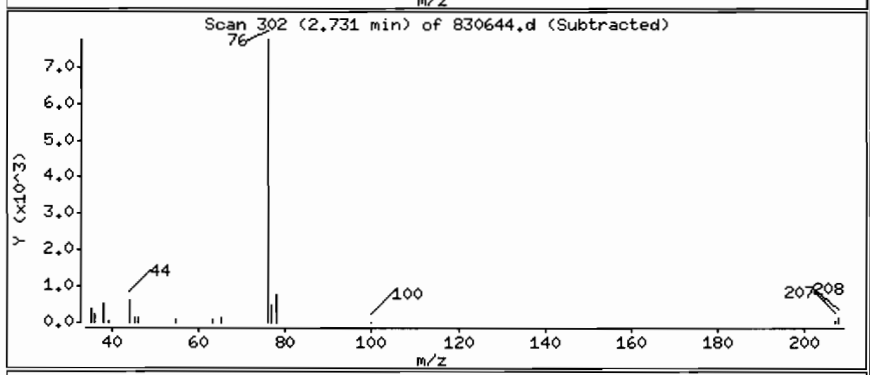
Purge Volume: 25.0 Operator: JP1

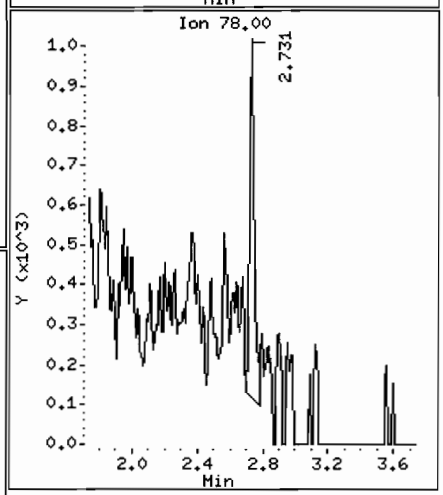
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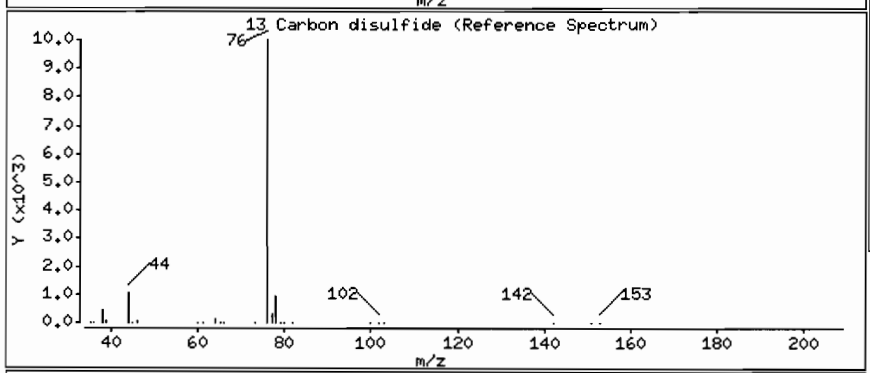
13 Carbon disulfide Concentration: 0.082 ug/L

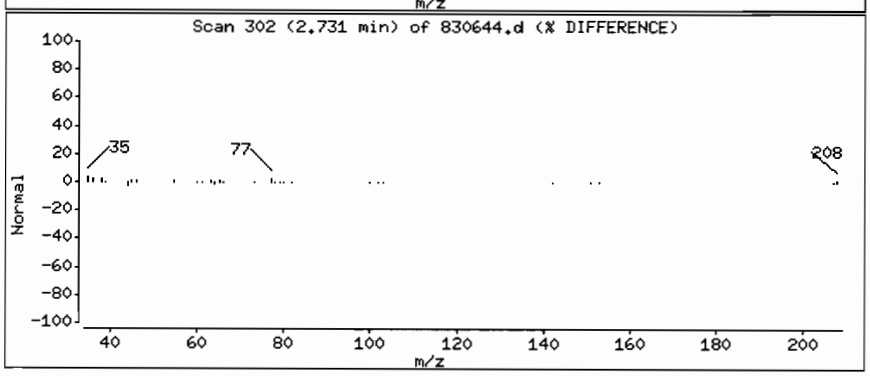












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

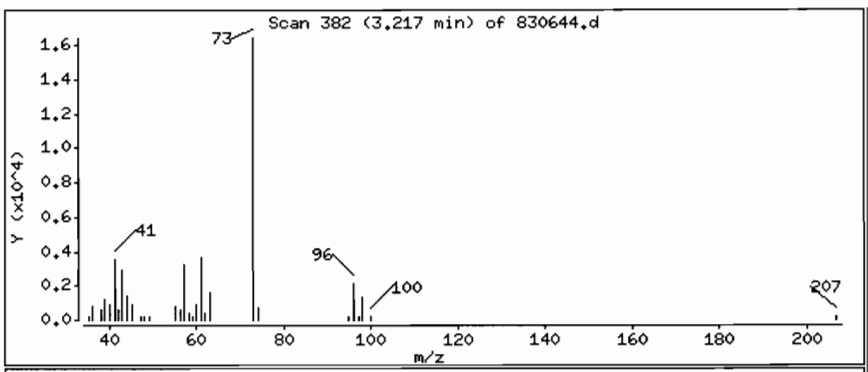
Client ID: ISCO IW16 Instrument: J.i

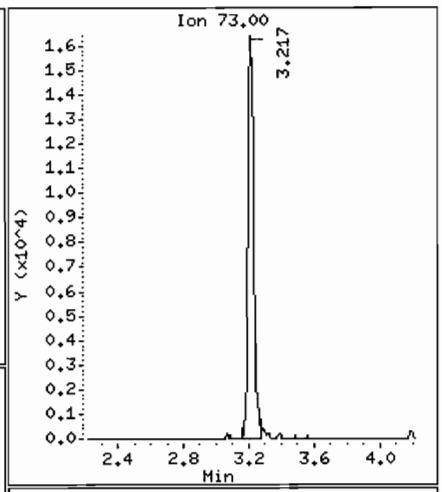
Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

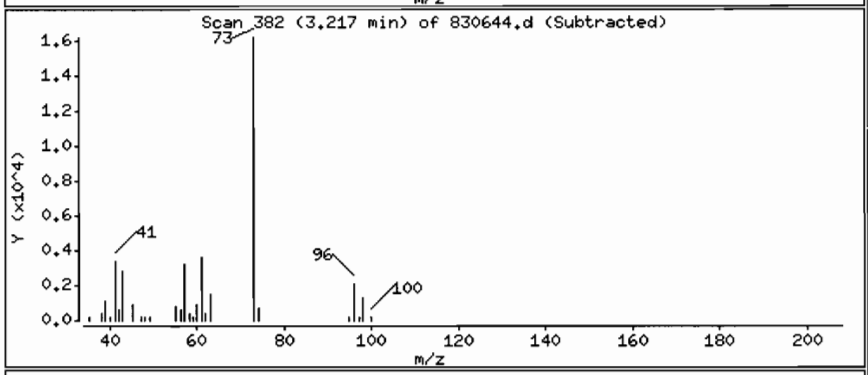
Purge Volume: 25.0 Operator: JP1

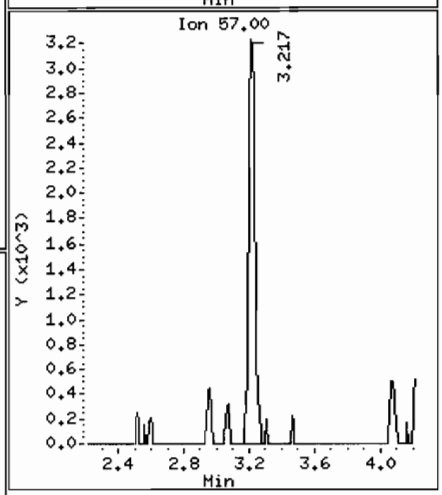
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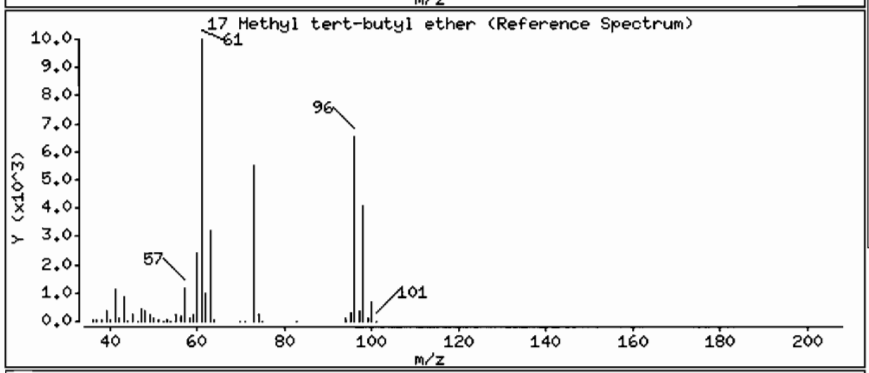
17 Methyl tert-butyl ether Concentration: 0.71 ug/L

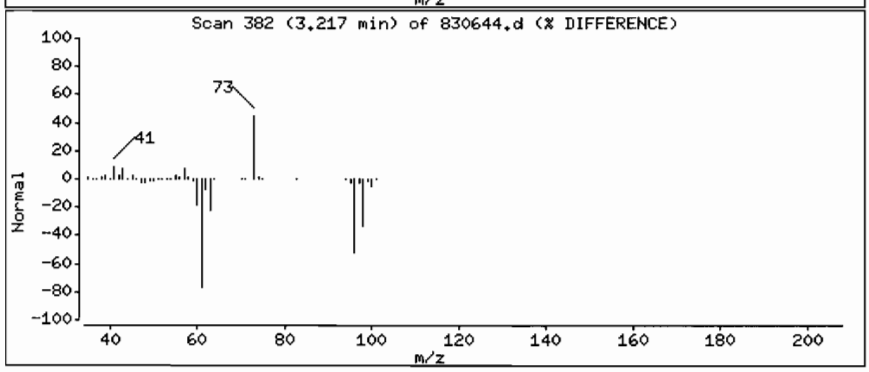












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

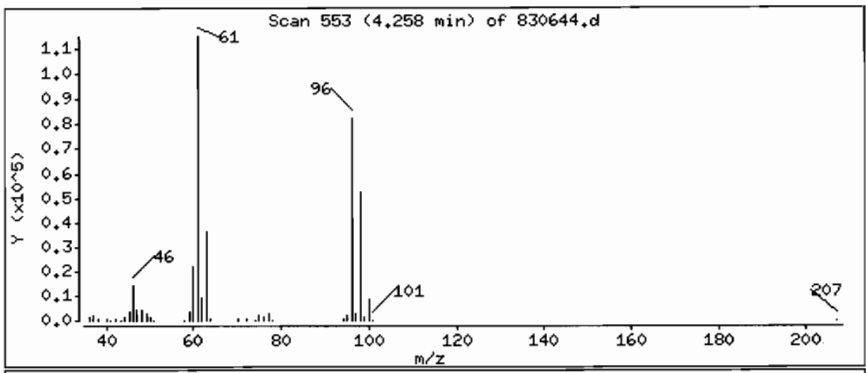
Client ID: ISCO IW16 Instrument: J.i

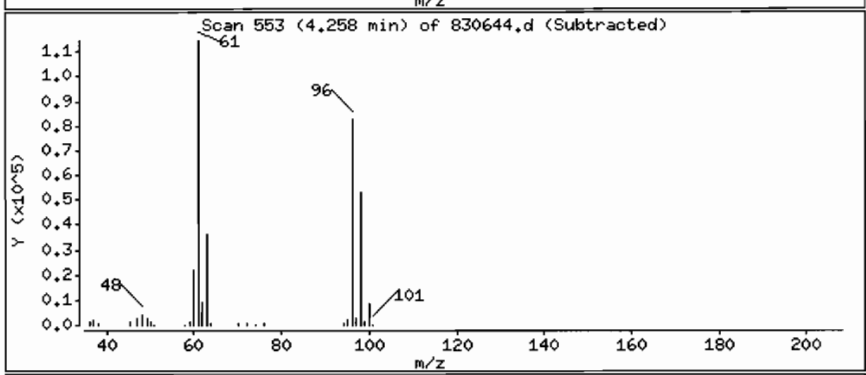
Sample Info: ISCO IW16 :[J05/17/10 @1030(WATER)

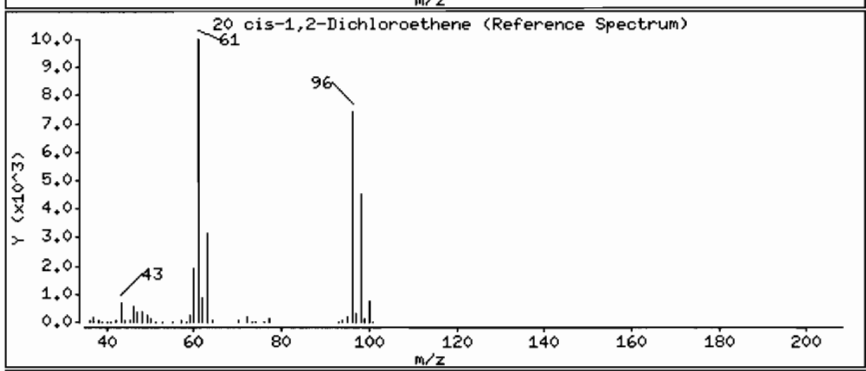
Purge Volume: 25.0 Operator: JP1

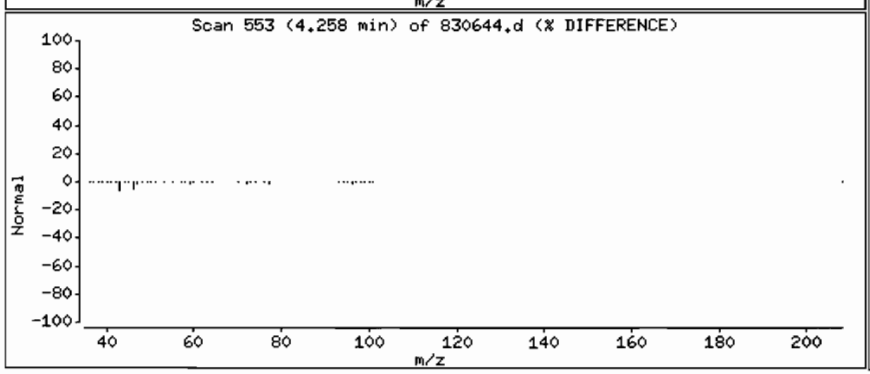
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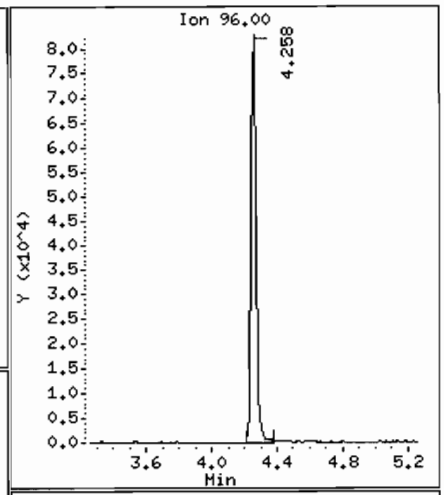
20 cis-1,2-Dichloroethene Concentration: 2.8 ug/L

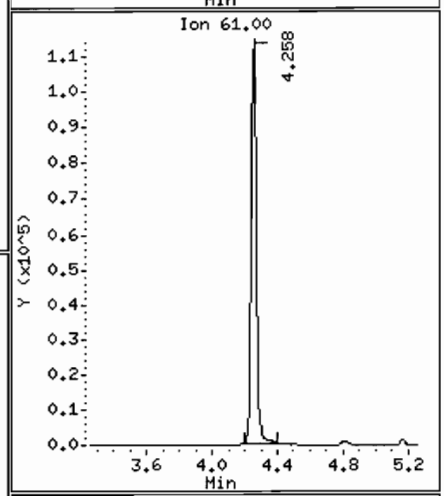


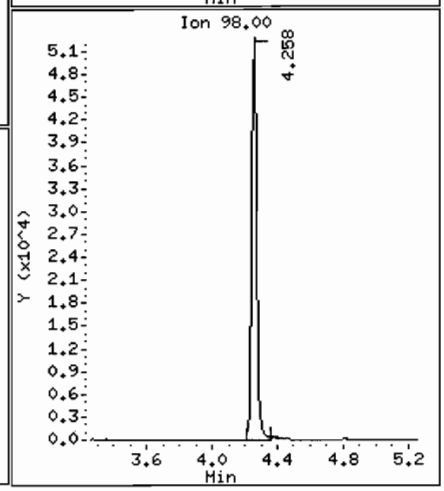












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Date : 25-MAY-2010 20:43

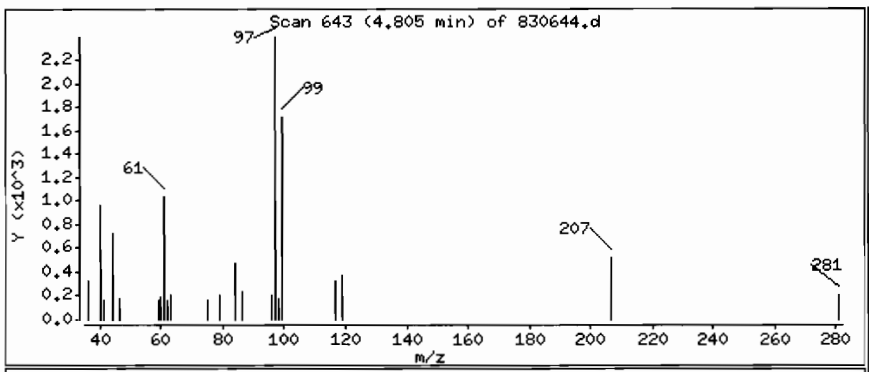
Client ID: ISCO IW16 Instrument: J.i

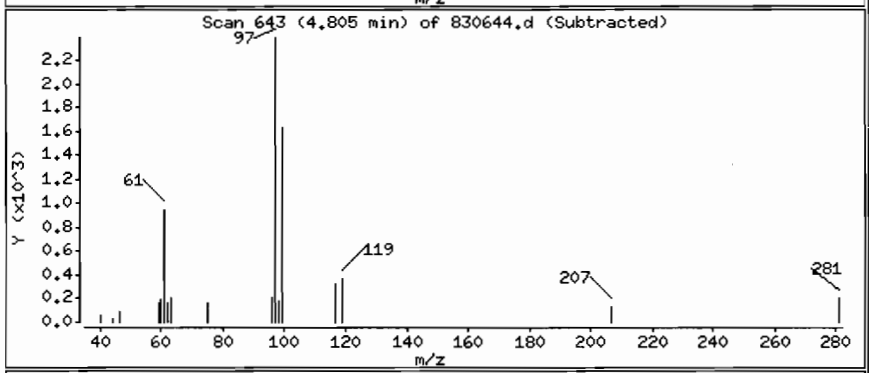
Sample Info: ISCO IW16 :[J05/17/10 @1030(WATER)

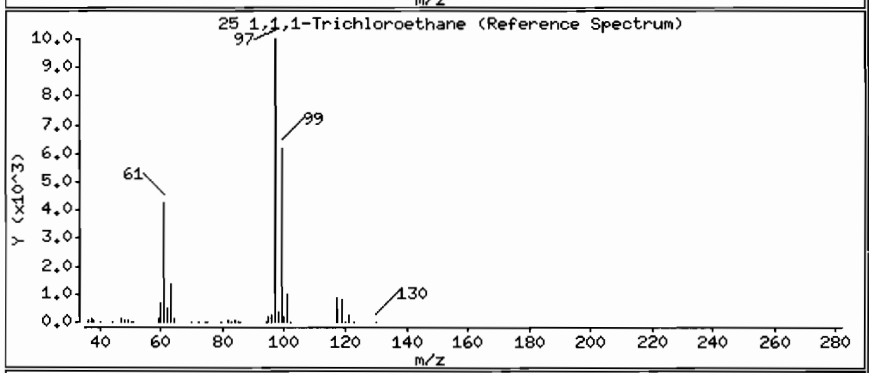
Purge Volume: 25.0 Operator: JP1

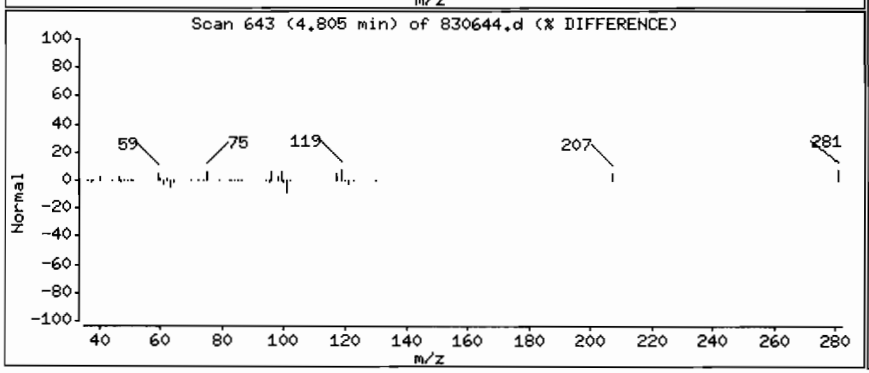
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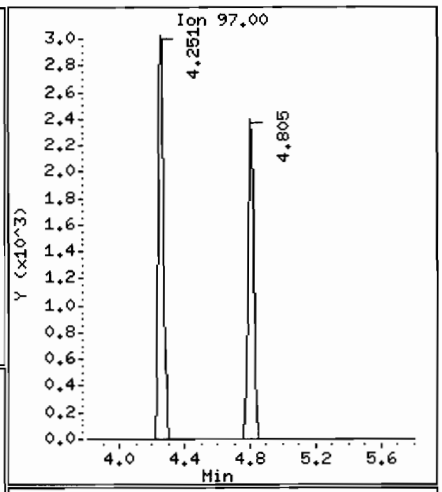
25 1,1,1-Trichloroethane Concentration: 0.055 ug/L

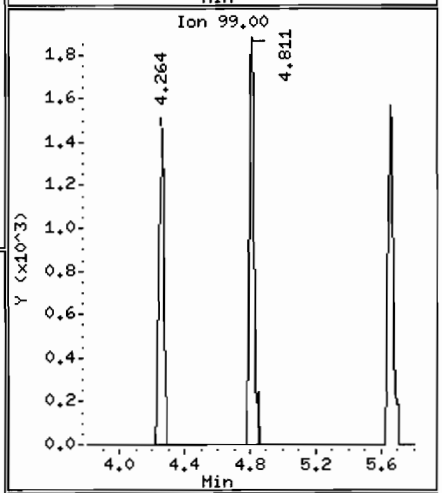


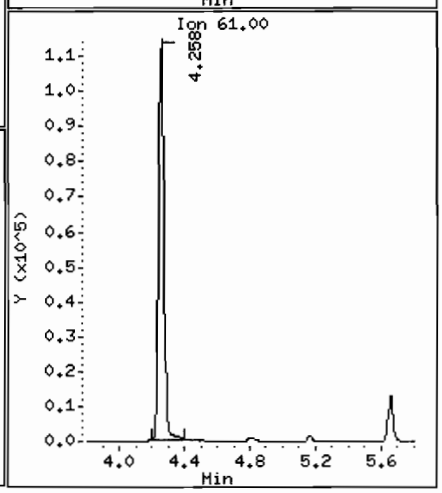












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

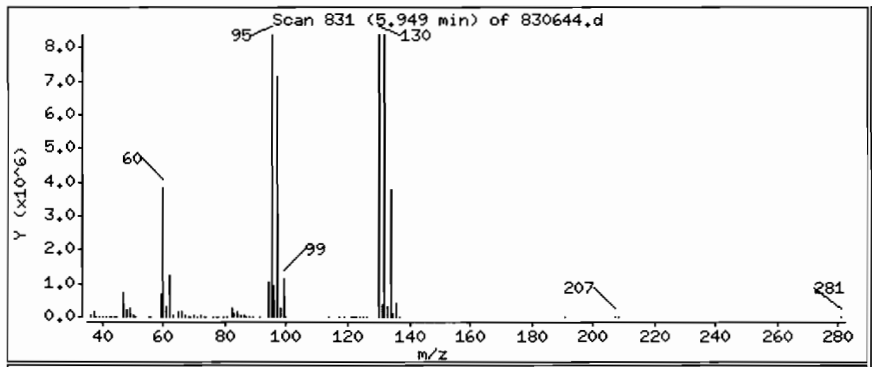
Client ID: ISCO IW16 Instrument: J.i

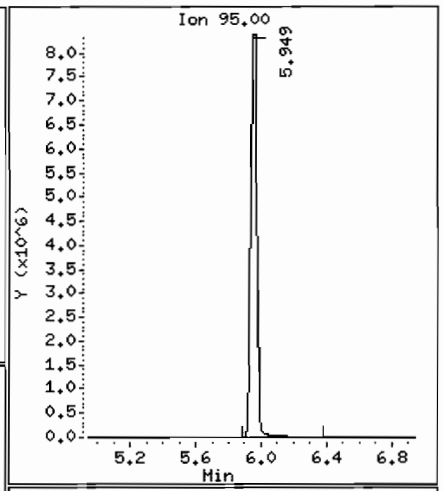
Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

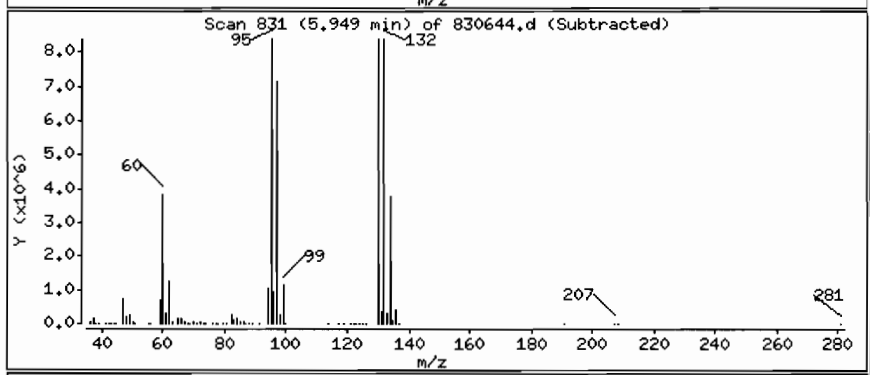
Purge Volume: 25.0 Operator: JP1

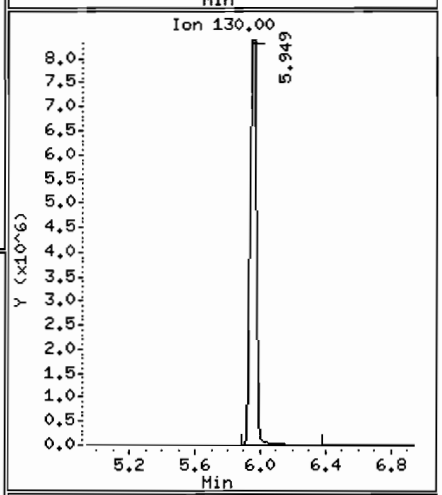
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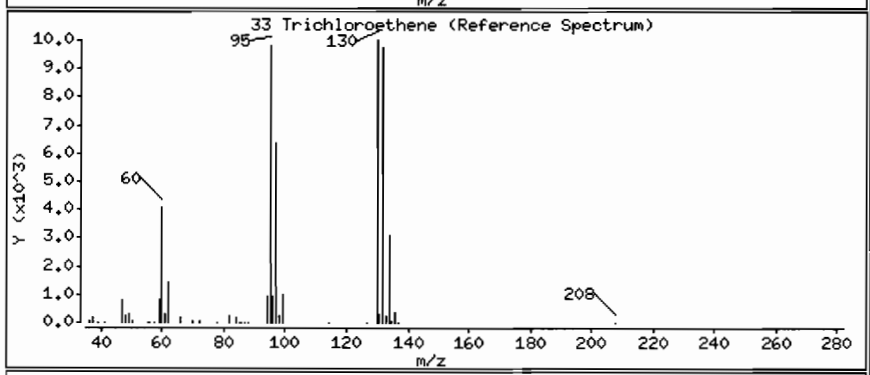
33 Trichloroethene Concentration: 340 ug/L

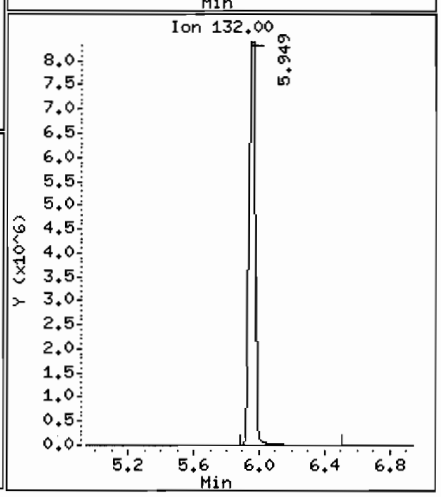


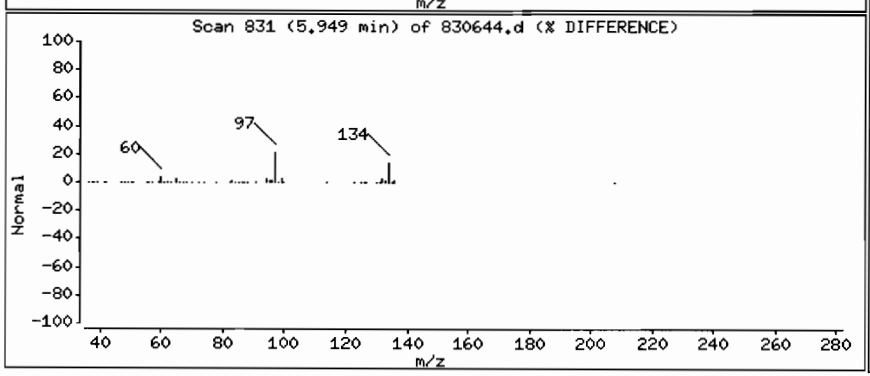












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

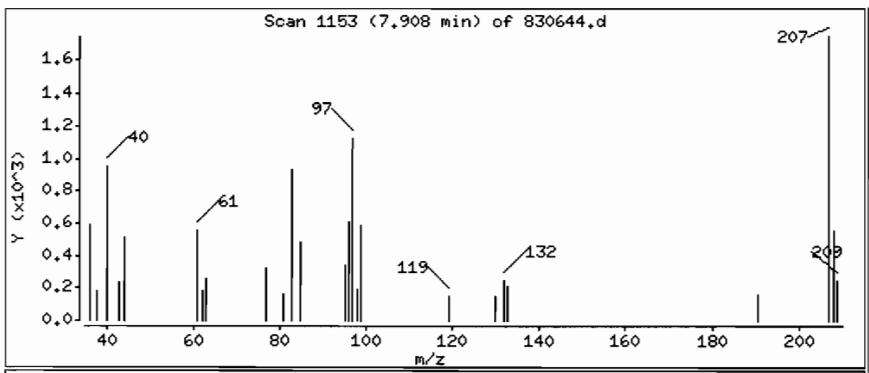
Client ID: ISCO IW16 Instrument: J.i

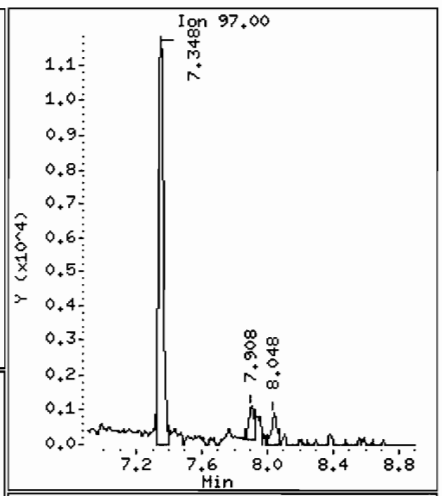
Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

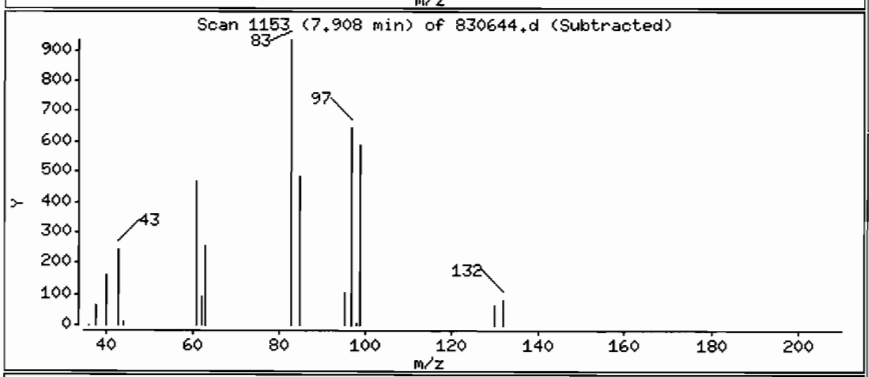
Purge Volume: 25.0 Operator: JP1

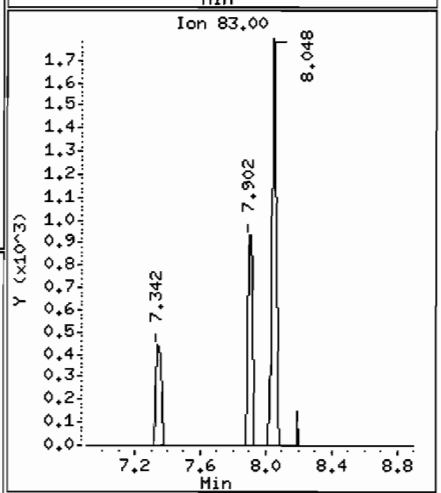
Column phase: DB-624 Column diameter: 0.53

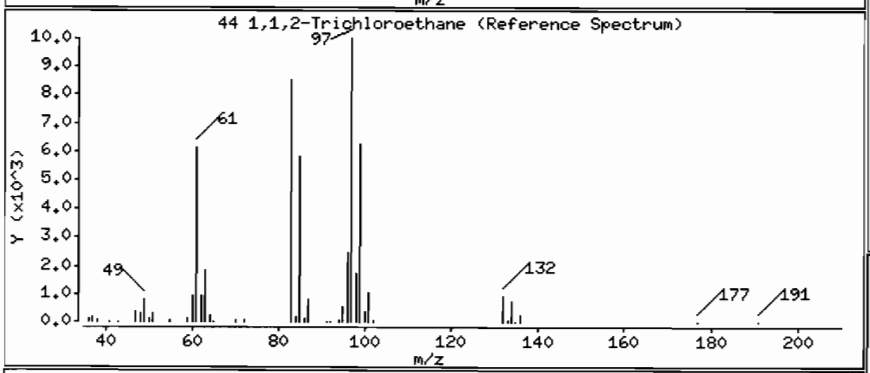
44 1,1,2-Trichloroethane Concentration: 0.089 ug/L

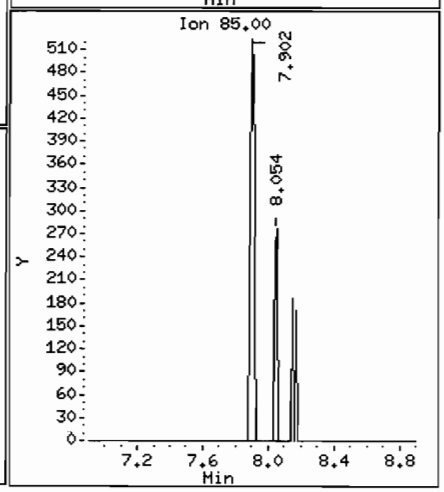


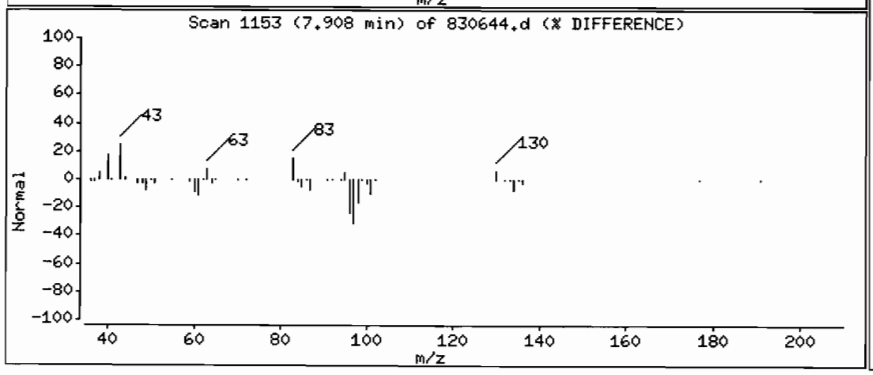












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

Client ID: ISCO IW16

Instrument: J.i

Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

Purge Volume: 25.0

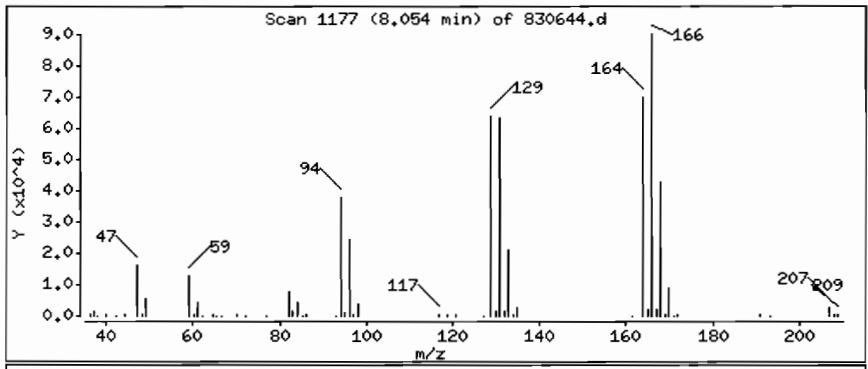
Operator: JP1

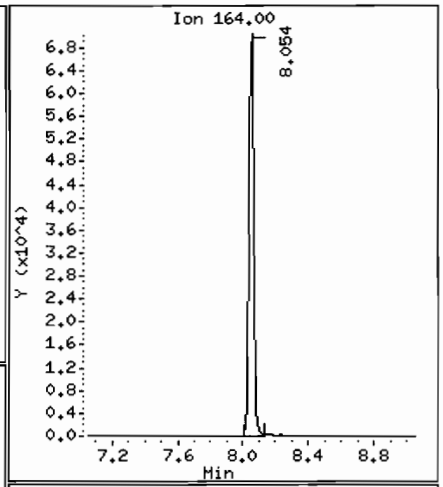
Column phase: DB-624

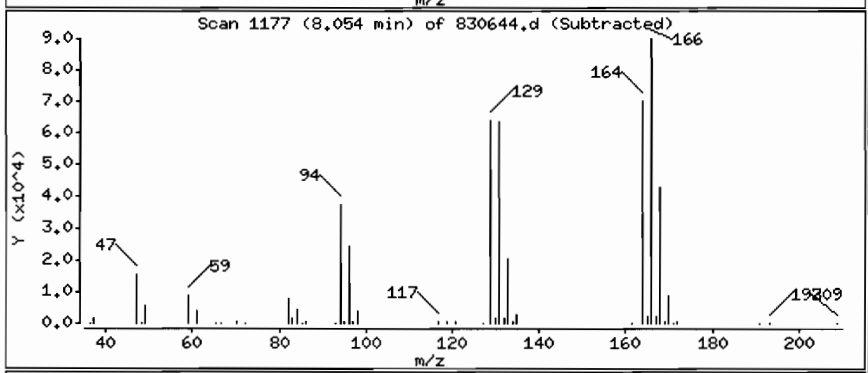
Column diameter: 0.53

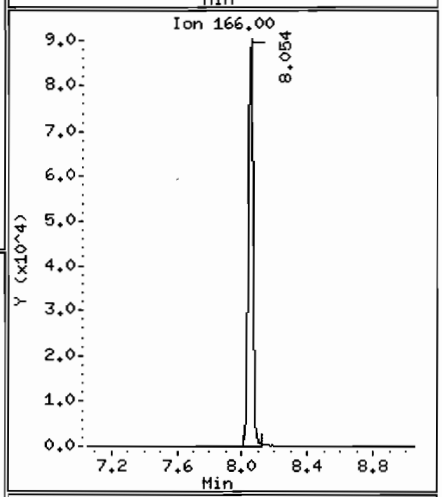
45 Tetrachloroethene

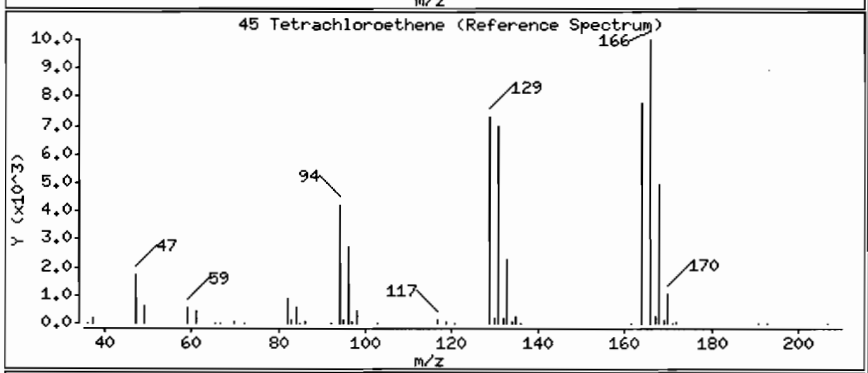
Concentration: 2.7 ug/L

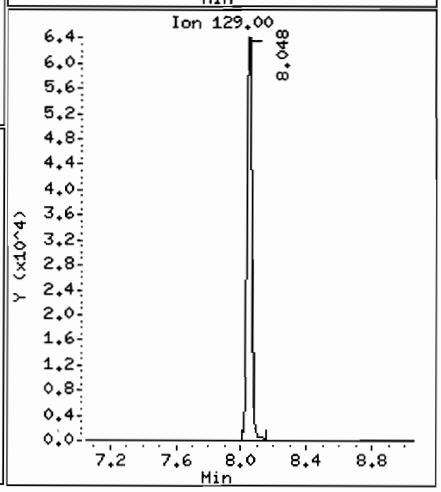


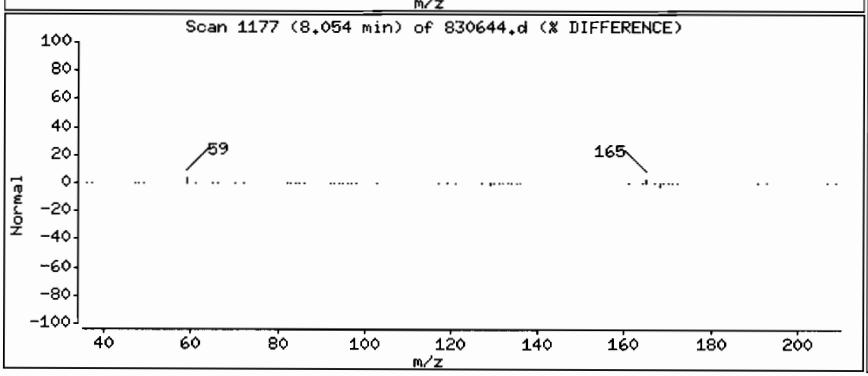












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

Client ID: ISCO IW16

Instrument: J.i

Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

Purge Volume: 25.0

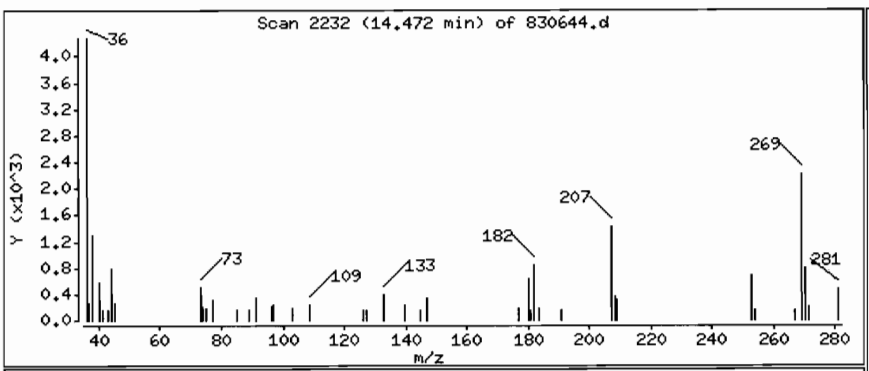
Operator: JP1

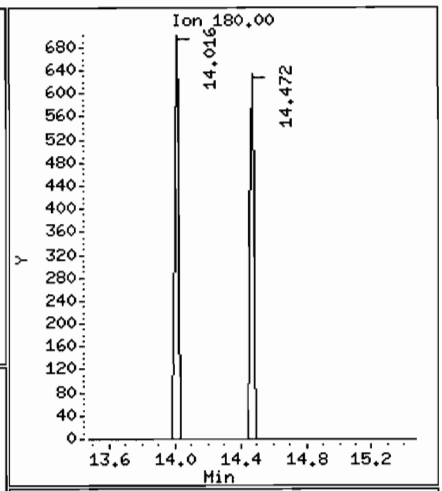
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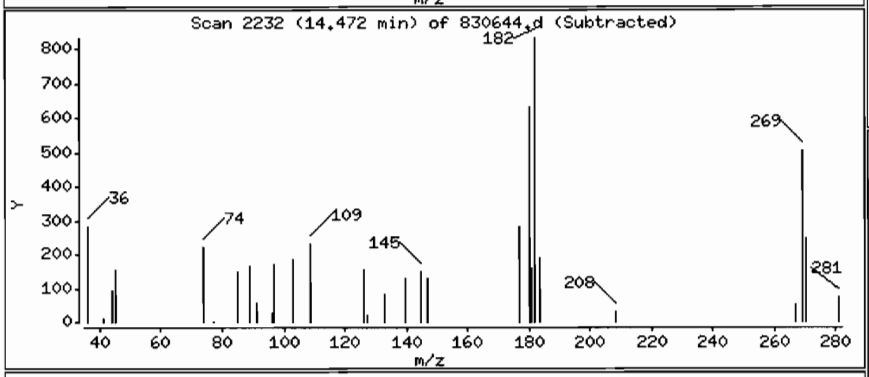
Column diameter: 0.53

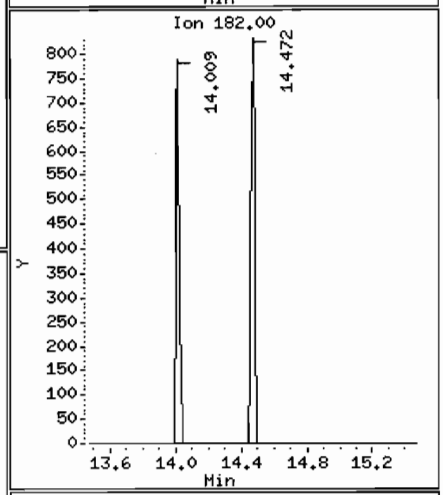
67 1,2,3-Trichlorobenzene

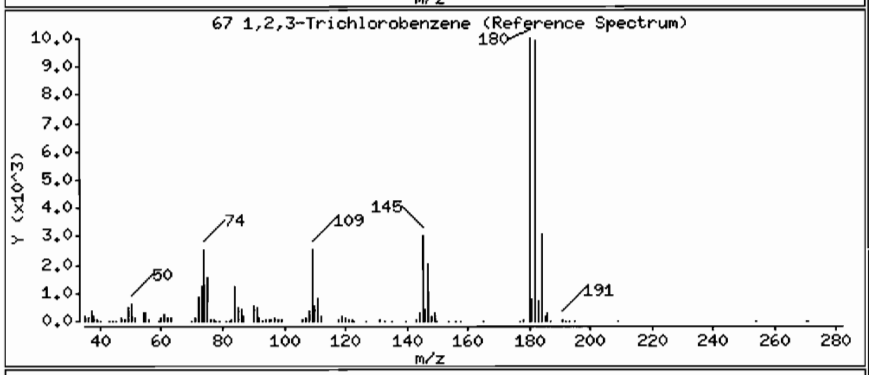
Concentration: 0.035 ug/L

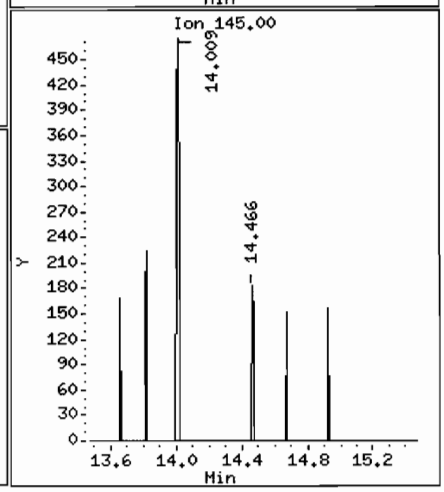


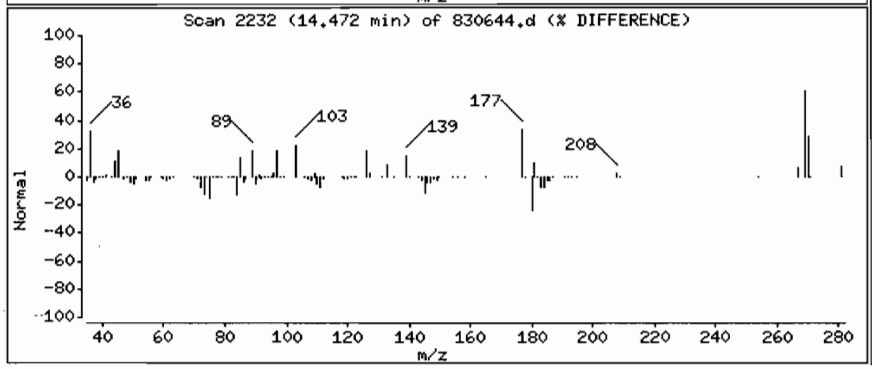












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830644.d

Date : 25-MAY-2010 20:43

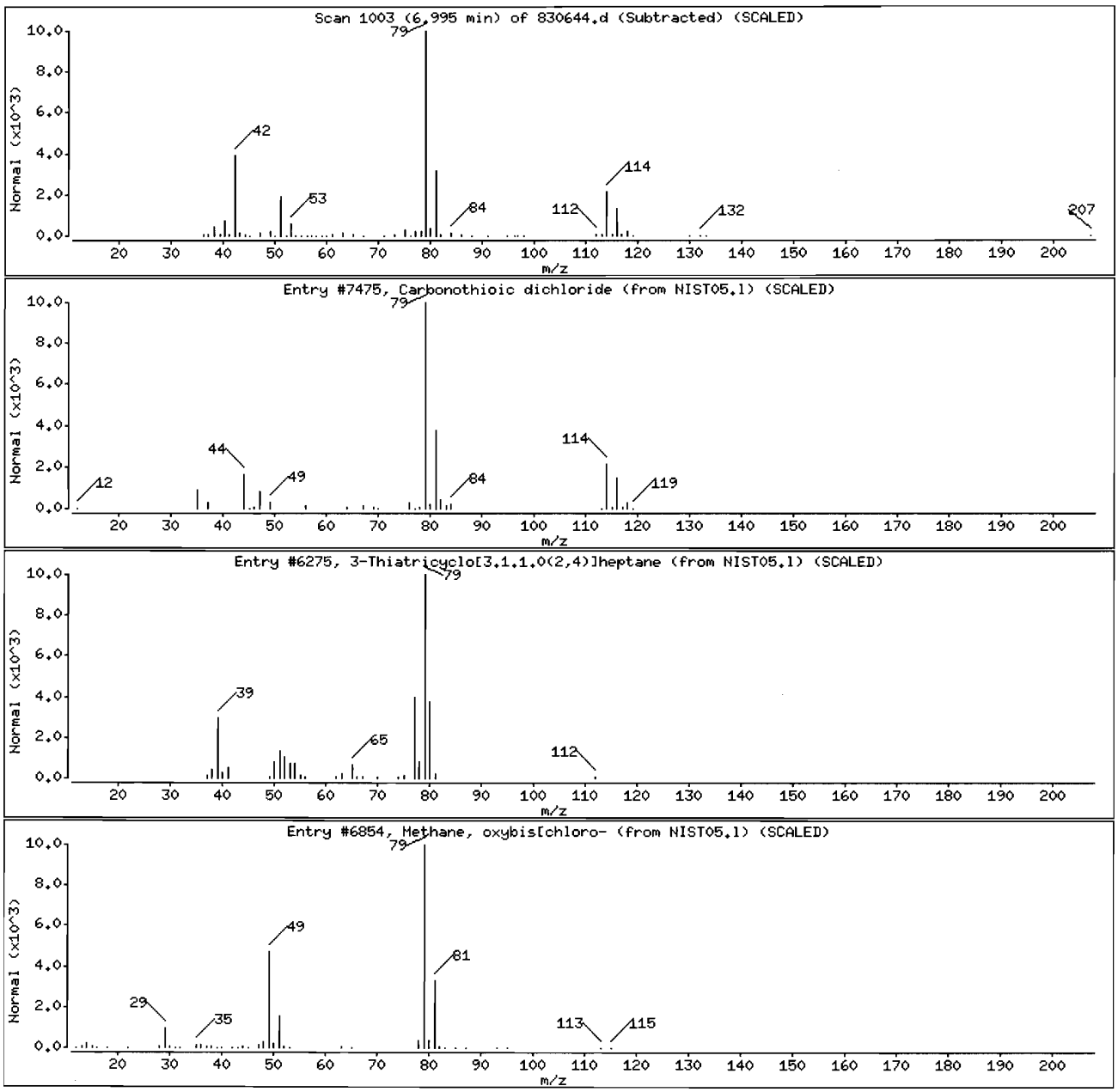
Client ID: ISCO IW16 Instrument: J.i

Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW16DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830644D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830644D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.9

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.5	U
74-87-3	Chloromethane	1.5	U
75-01-4	Vinyl chloride	1.5	U
74-83-9	Bromomethane	1.5	U
75-00-3	Chloroethane	1.5	U
75-69-4	Trichlorofluoromethane	1.5	U
75-35-4	1,1-Dichloroethene	1.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.5	U
67-64-1	Acetone	5.2	DJB
75-15-0	Carbon disulfide	1.5	U
79-20-9	Methyl acetate	1.5	U
75-09-2	Methylene chloride	0.19	DJB
156-60-5	trans-1,2-Dichloroethene	1.5	U
1634-04-4	Methyl tert-butyl ether	0.61	DJ
75-34-3	1,1-Dichloroethane	1.5	U
156-59-2	cis-1,2-Dichloroethene	2.7	D
78-93-3	2-Butanone	15	U
74-97-5	Bromochloromethane	1.5	U
67-66-3	Chloroform	1.5	U
71-55-6	1,1,1-Trichloroethane	1.5	U
110-82-7	Cyclohexane	1.5	U
56-23-5	Carbon tetrachloride	1.5	U
71-43-2	Benzene	1.5	U
107-06-2	1,2-Dichloroethane	1.5	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO IW16DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830644D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830644D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.9

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	390	DE
108-87-2	Methylcyclohexane	1.5	U
78-87-5	1,2-Dichloropropane	1.5	U
75-27-4	Bromodichloromethane	1.5	U
10061-01-5	cis-1,3-Dichloropropene	1.5	U
108-10-1	4-Methyl-2-pentanone	15	U
108-88-3	Toluene	1.5	U
10061-02-6	trans-1,3-Dichloropropene	1.5	U
79-00-5	1,1,2-Trichloroethane	1.5	U
127-18-4	Tetrachloroethene	2.7	D
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	1.5	U
106-93-4	1,2-Dibromoethane	1.5	U
108-90-7	Chlorobenzene	1.5	U
100-41-4	Ethylbenzene	1.5	U
95-47-6	o-Xylene	1.5	U
179601-23-1	m,p-Xylene	1.5	U
100-42-5	Styrene	1.5	U
75-25-2	Bromoform	1.5	U
98-82-8	Isopropylbenzene	1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1.5	U
541-73-1	1,3-Dichlorobenzene	1.5	U
106-46-7	1,4-Dichlorobenzene	1.5	U
95-50-1	1,2-Dichlorobenzene	1.5	U
96-12-8	1,2-Dibromo-3-chloropropane	1.5	U
120-82-1	1,2,4-Trichlorobenzene	1.5	U
87-61-6	1,2,3-Trichlorobenzene	1.5	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO IW16DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830644D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830644D

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.9

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	8.7	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

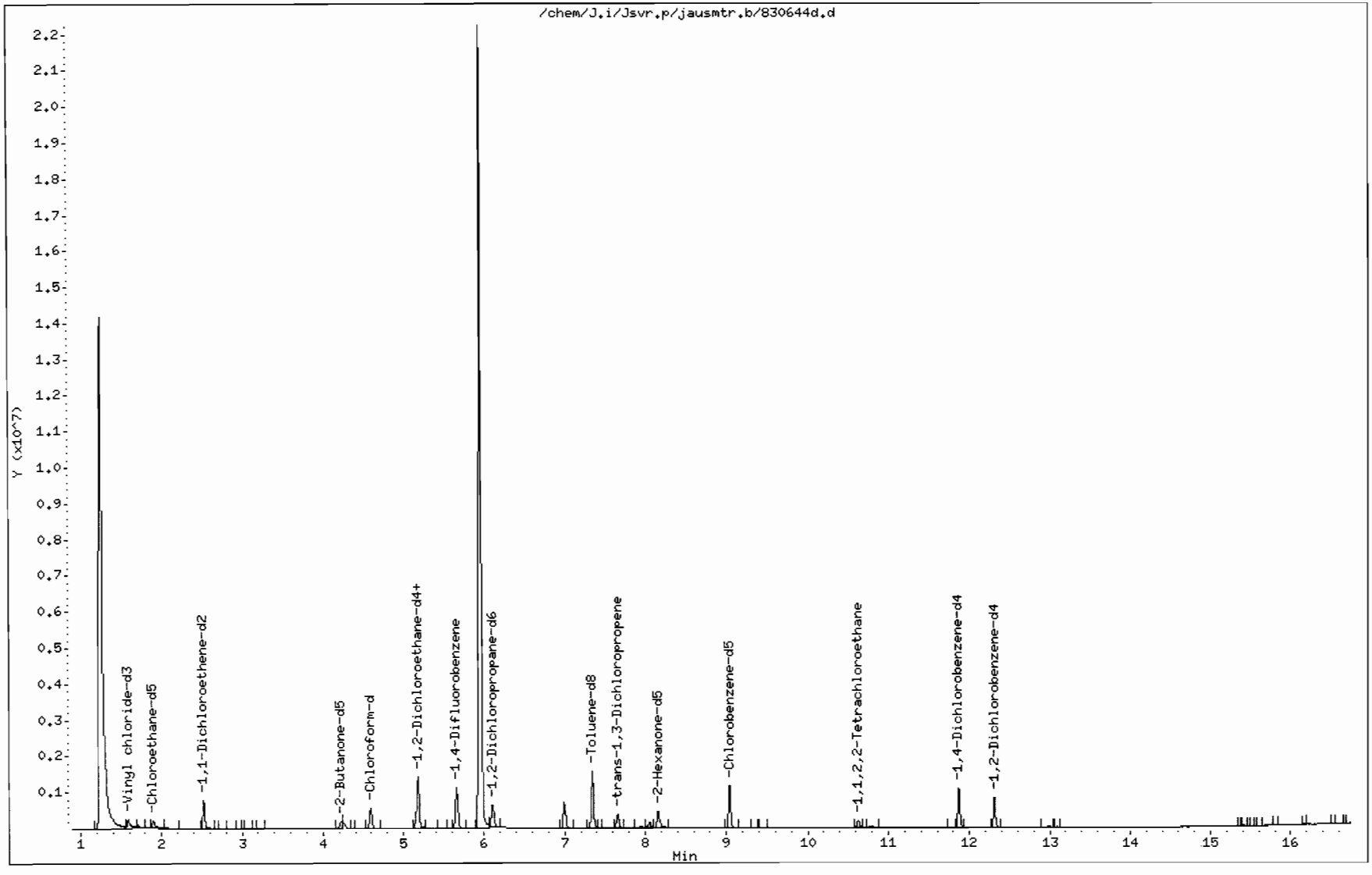
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830644d.d
Date : 25-MAY-2010 16:19
Client ID: ISCO IW16DL
Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830644d.d
Lab Smp Id: 830644D1 Client Smp ID: ISCO IW16DL
Inj Date : 25-MAY-2010 16:19
Operator : JH2 Inst ID: J.i
Smp Info : ISCO IW16 :[ ]05/17/10 @1030(WATER)
Misc Info : 830644,052510JV,2.9,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6
Dil Factor: 2.90000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.90000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	419145	4.87279	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	332544	5.19303	5.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	546052	3.97698	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	2.585	2.584	(0.457)	5162	1.77851	5.2(a)
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	Methylene chloride	84	2.962	2.962	(0.524)	3932	0.06499	0.19(a)
16	trans-1,2-Dichloroethene	96	Compound Not Detected.					
17	Methyl tert-butyl ether	73	3.217	3.211	(0.569)	12061	0.21061	0.61(a)
18	1,1-Dichloroethane	63	Compound Not Detected.					
$ 19	2-Butanone-d5	46	4.221	4.221	(0.746)	286288	54.2041	54
20	cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	60219	0.92331	2.7
21	2-Butanone	43	Compound Not Detected.					
22	Bromochloromethane	128	Compound Not Detected.					
$ 23	Chloroform-d	84	4.592	4.586	(0.812)	561003	5.10811	5.1
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	5.164	5.164	(0.913)	184302	5.28563	5.3
$ 29	Benzene-d6	84	5.182	5.182	(0.573)	1419196	5.54031	5.5
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1059485	5.00000	
33	Trichloroethene	95	5.949	5.949	(0.658)	8663339	132.814	390(A)
$ 34	1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	349518	5.26195	5.3
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	7.342	7.342	(0.812)	1230414	5.33323	5.3
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	247702	5.25379	5.3
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	8.054	8.054	(0.891)	47027	0.92745	2.7
$ 46	2-Hexanone-d5	63	8.163	8.157	(0.903)	234878	56.1352	56
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	9.039	9.039	(1.000)	769424	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	118770	5.62815	5.6
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.874	11.868	(1.000)	332634	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	252415	5.22927	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).
A - Target compound detected but, quantitated amount
exceeded maximum amount.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830644d.d
Lab Smp Id: 830644D1 Client Smp ID: ISCO IW16DL
Inj Date : 25-MAY-2010 16:19
Operator : JH2 Inst ID: J.i
Smp Info : ISCO IW16 :[ ]05/17/10 @1030(WATER)
Misc Info : 830644,052510JV,2.9,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6
Dil Factor: 2.90000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.90000	Dilution Factor
X	25.00000	method volume 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	5.657	2376322	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
6.995	1431138	3.01124573	8.7	0		0	32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830644d.d

Date : 25-MAY-2010 16:19

Client ID: ISCO IW16DL

Instrument: J.i

Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

Purge Volume: 25.0

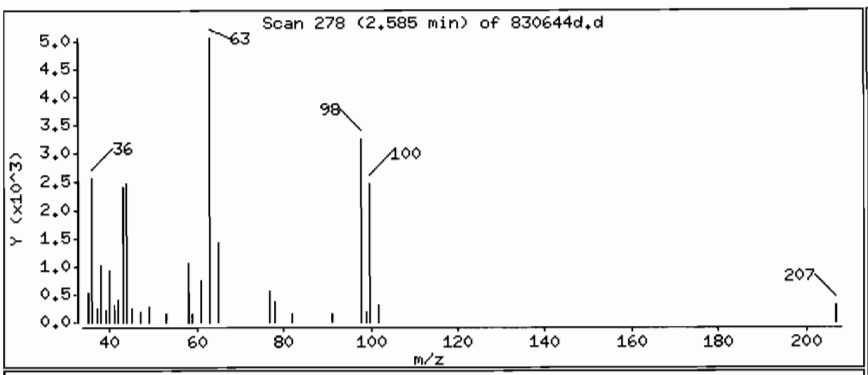
Operator: JH2

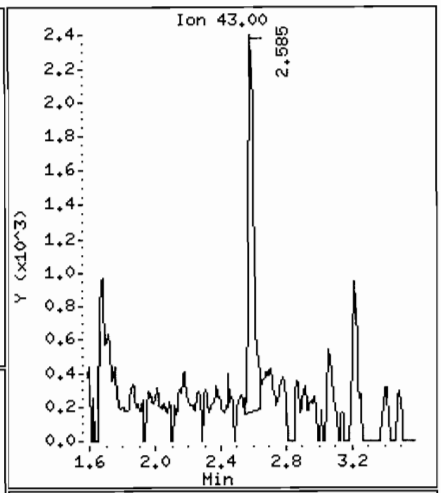
Column phase: DB-624

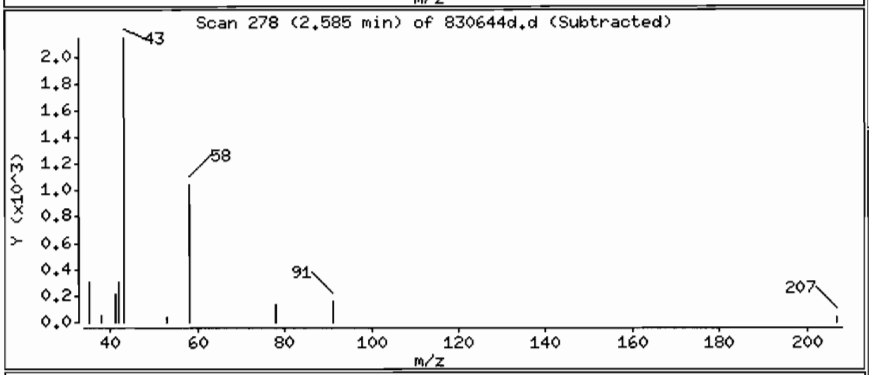
Column diameter: 0.53

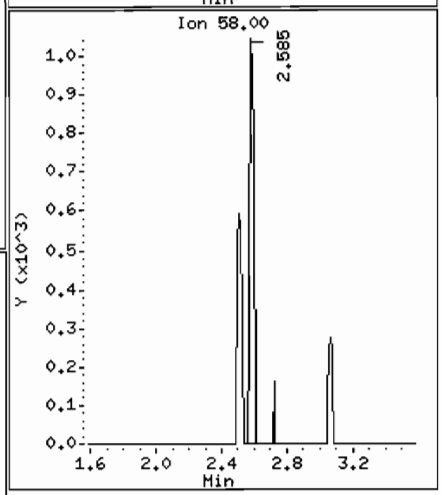
12 Acetone

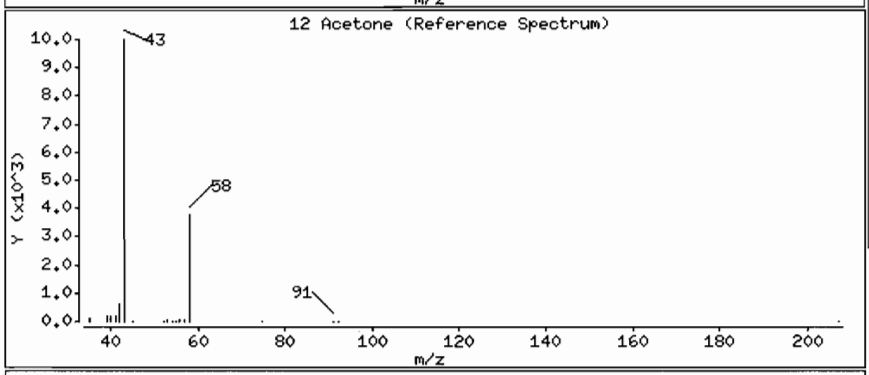
Concentration: 5.2 ug/L

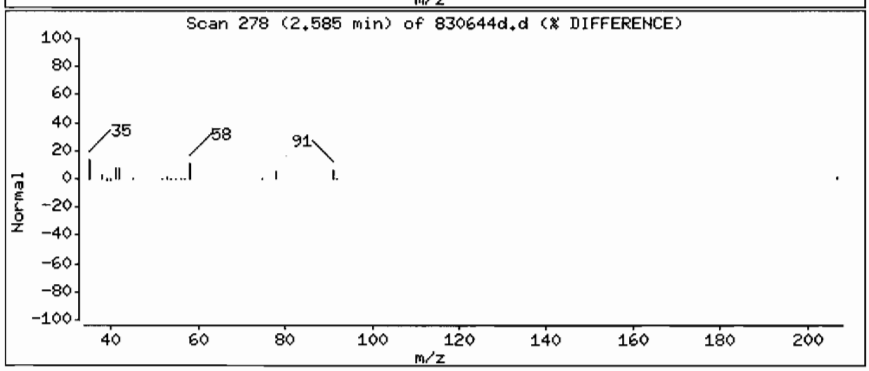












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830644d.d

Date : 25-MAY-2010 16:19

Client ID: ISCO IW16DL

Instrument: J.i

Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

Purge Volume: 25.0

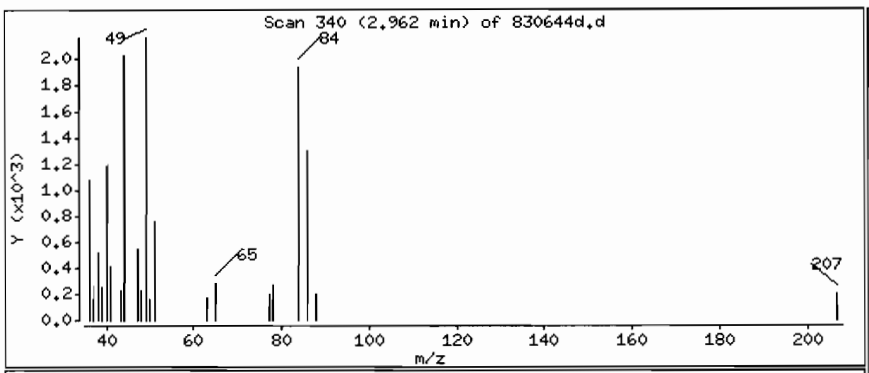
Operator: JH2

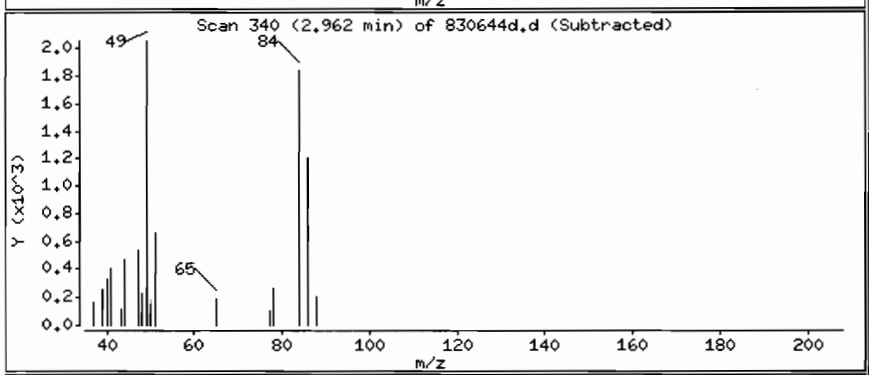
Column phase: DB-624

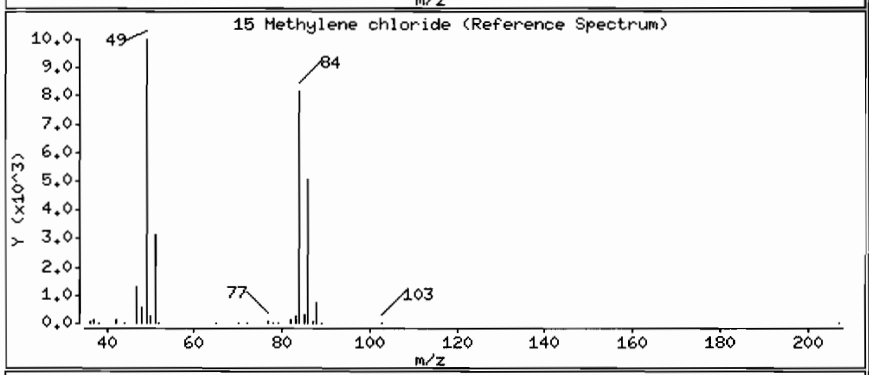
Column diameter: 0.53

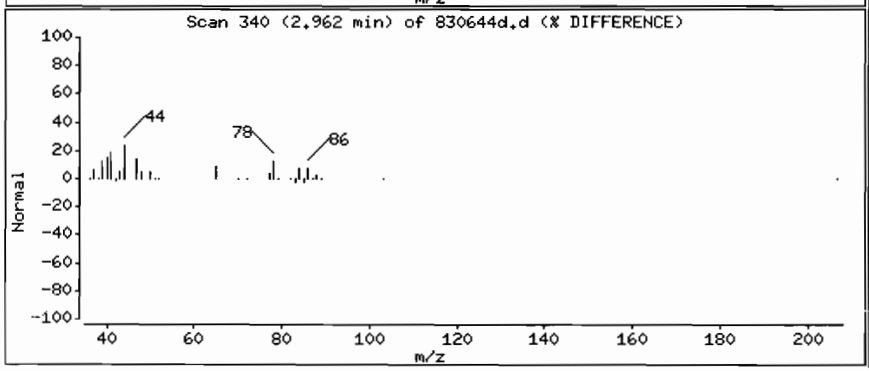
15 Methylene chloride

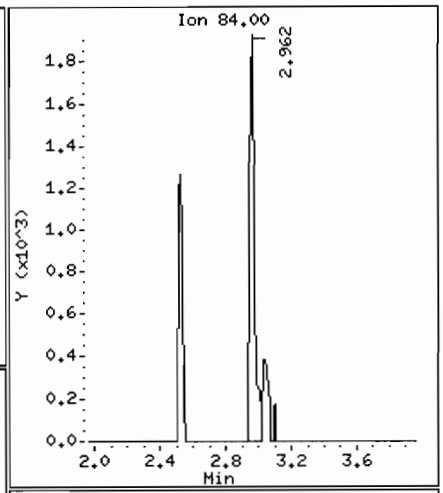
Concentration: 0.19 ug/L

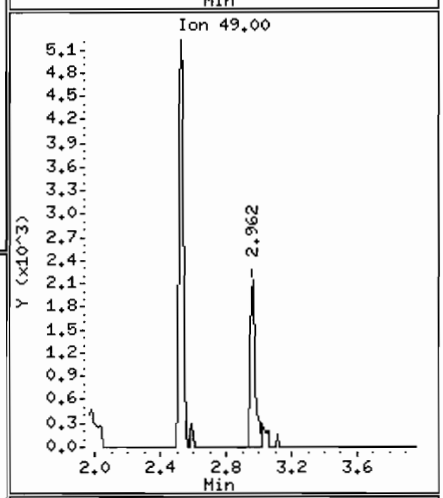


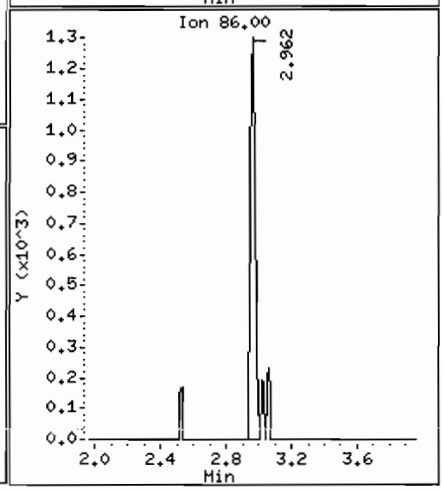












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830644d.d

Date : 25-MAY-2010 16:19

Client ID: ISCO IW16DL

Instrument: J.i

Sample Info: ISCO IW16 :[05/17/10 @1030(WATER)

Purge Volume: 25.0

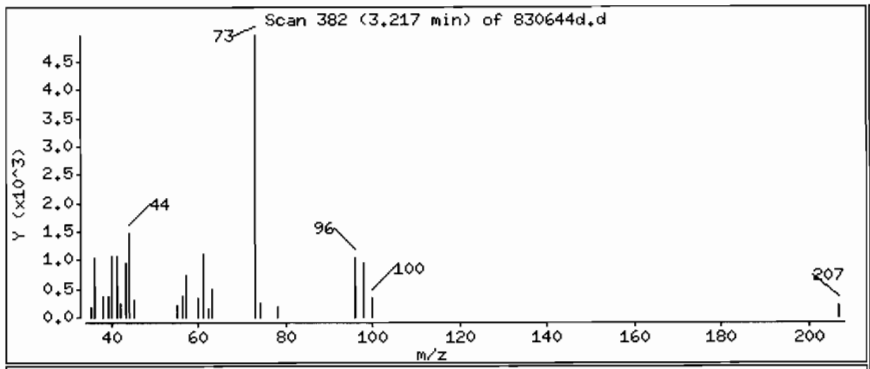
Operator: JH2

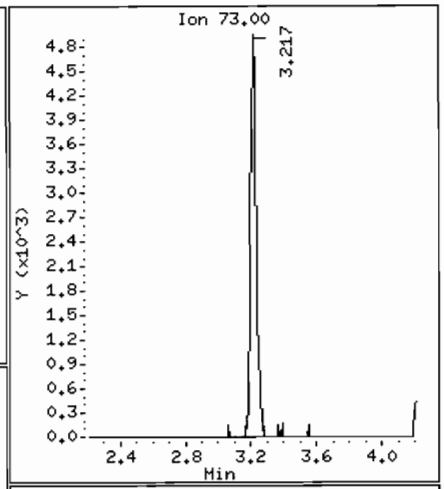
Column phase: DB-624

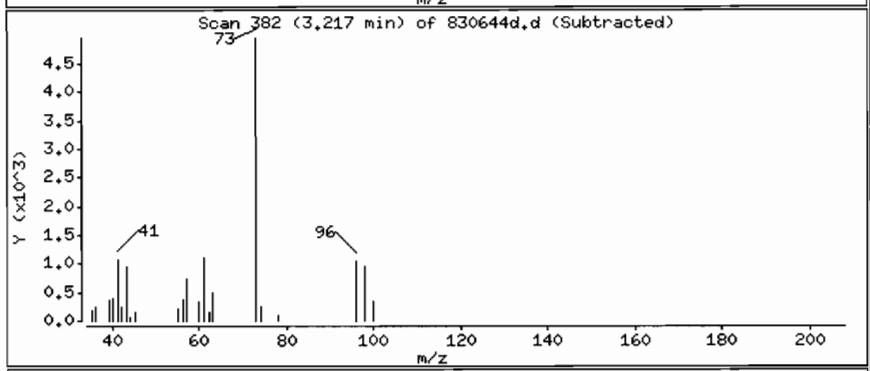
Column diameter: 0.53

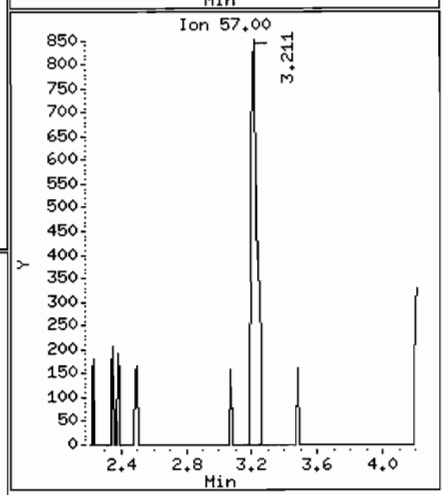
17 Methyl tert-butyl ether

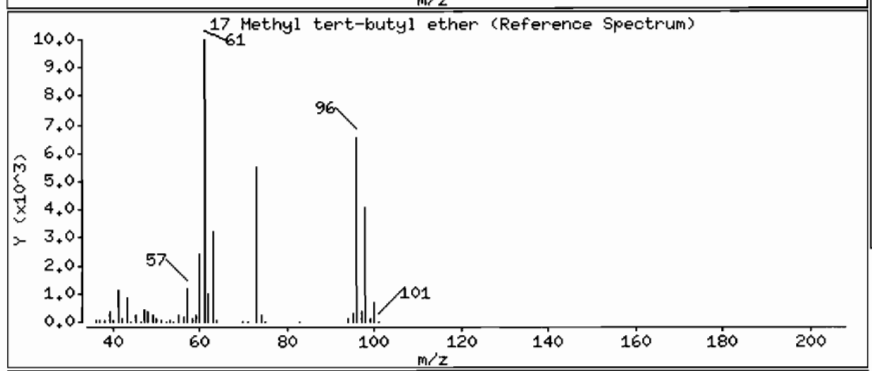
Concentration: 0.61 ug/L

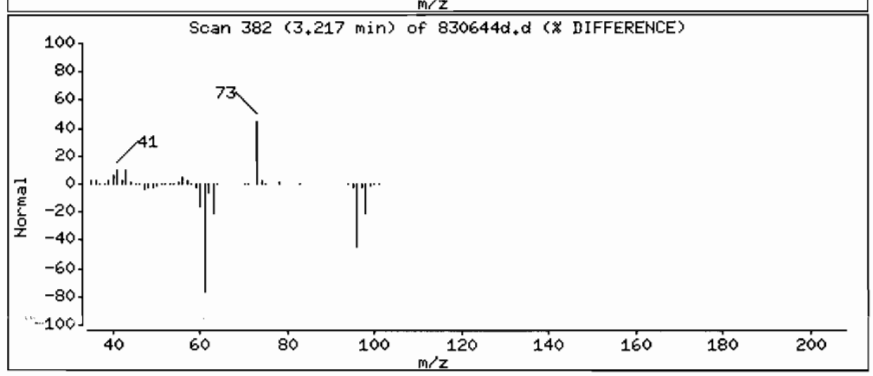












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830644d.d

Date : 25-MAY-2010 16:19

Client ID: ISCO IW16DL

Instrument: J.i

Sample Info: ISCO IW16 :[ ]05/17/10 @1030(WATER)

Purge Volume: 25.0

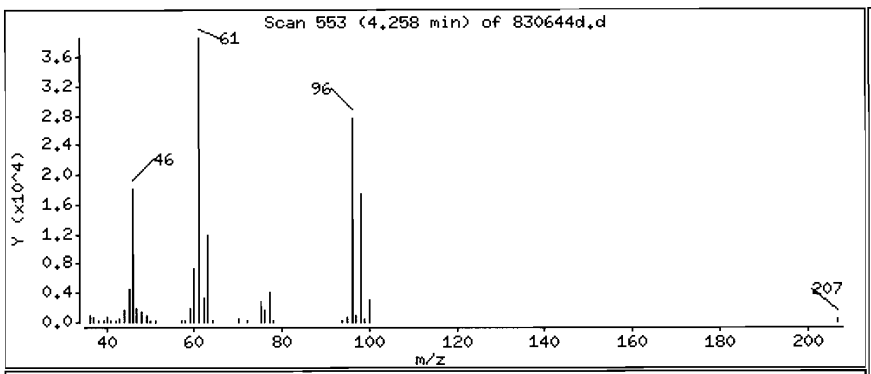
Operator: JH2

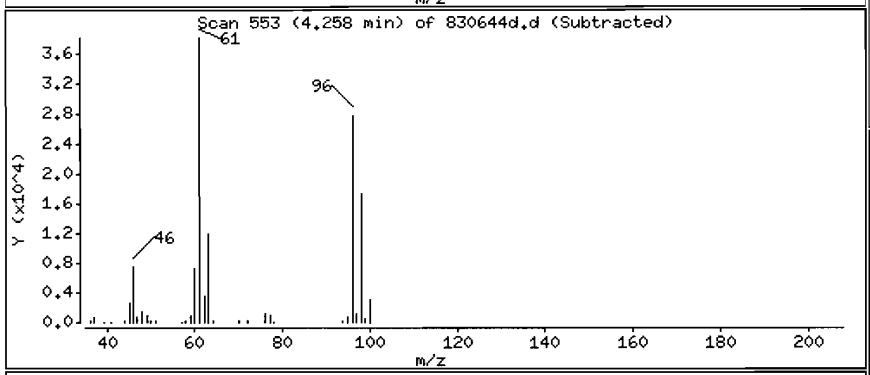
Column phase: DB-624

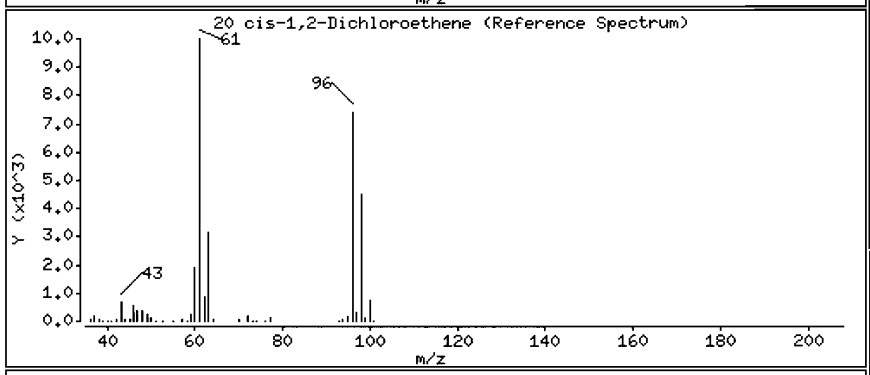
Column diameter: 0.53

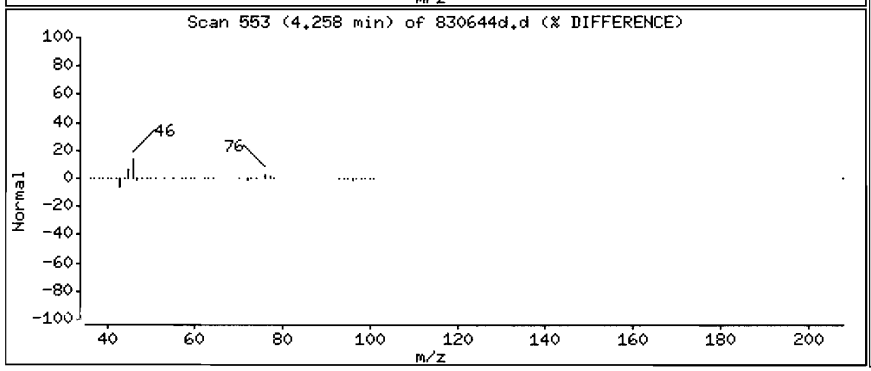
20 cis-1,2-Dichloroethene

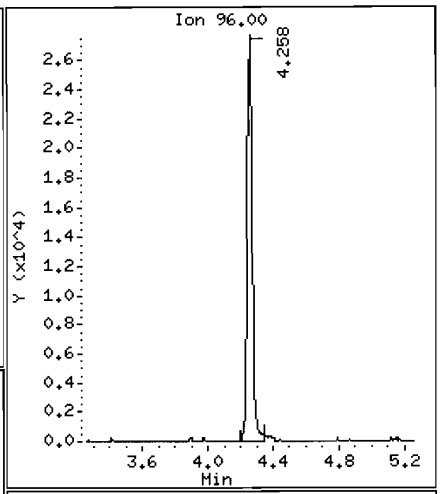
Concentration: 2.7 ug/L

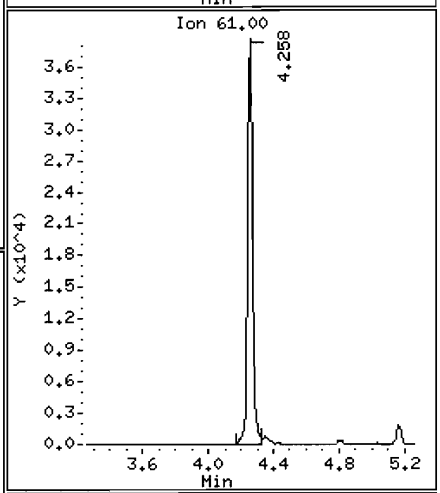


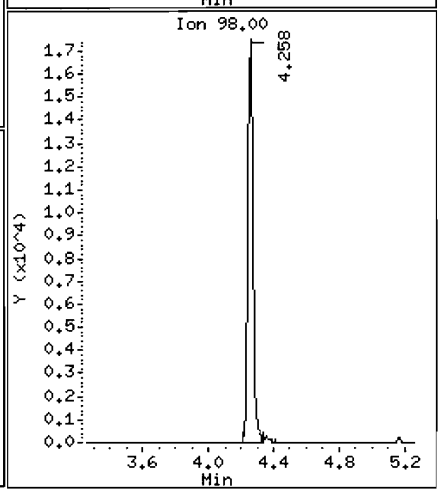












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830644d.d

Date : 25-MAY-2010 16:19

Client ID: ISCO IW16DL

Instrument: J.i

Sample Info: ISCO IW16 :[J05/17/10 @1030(WATER)

Purge Volume: 25.0

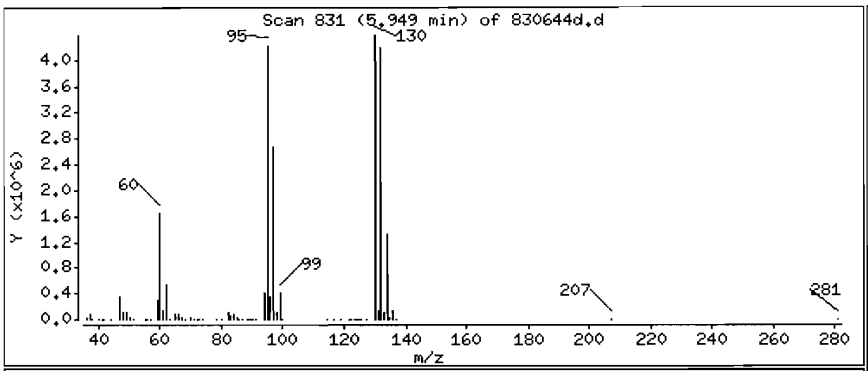
Operator: JH2

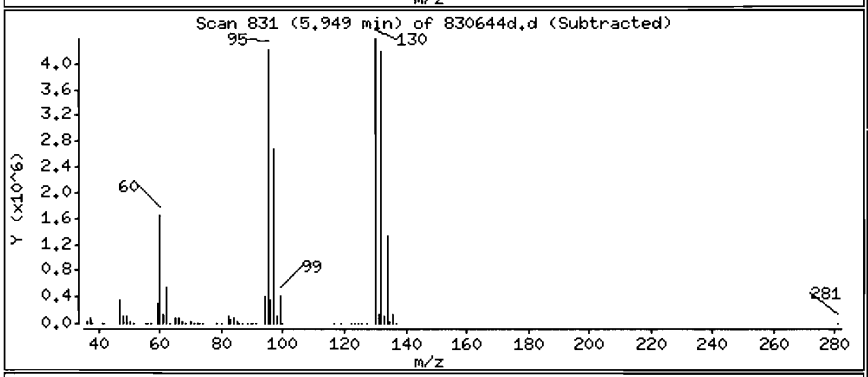
Column phase: DB-624

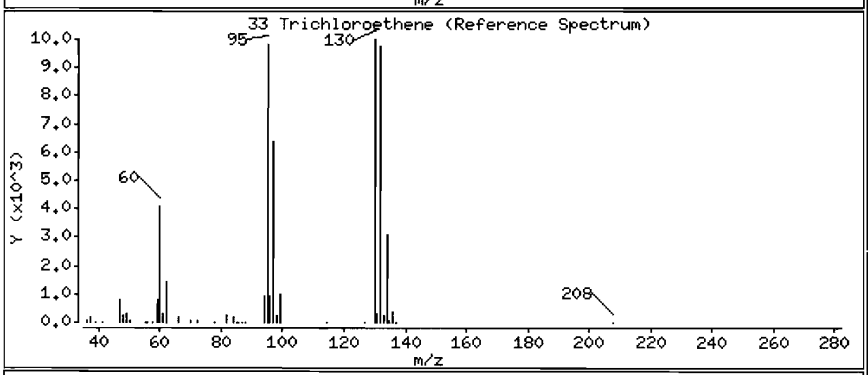
Column diameter: 0.53

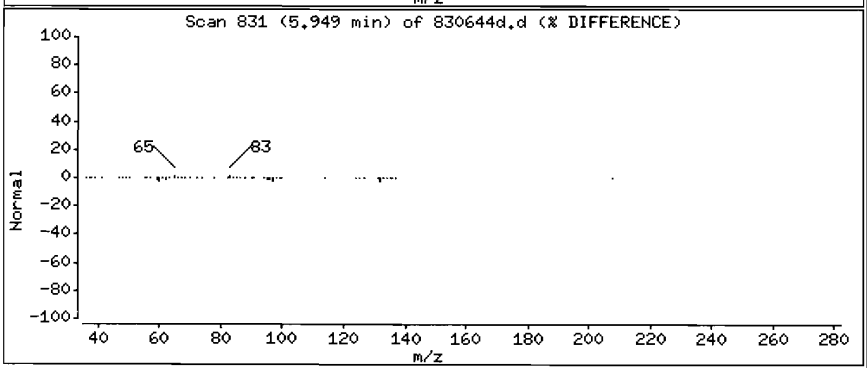
33 Trichloroethene

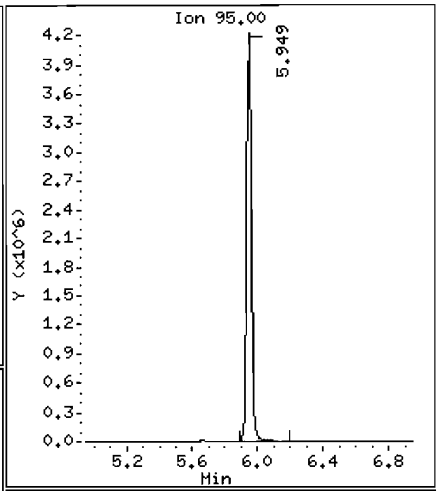
Concentration: 390 ug/L

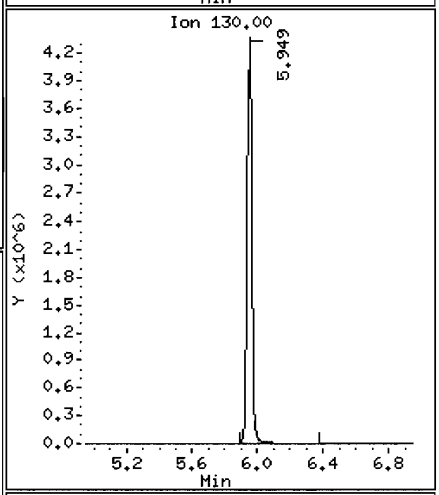


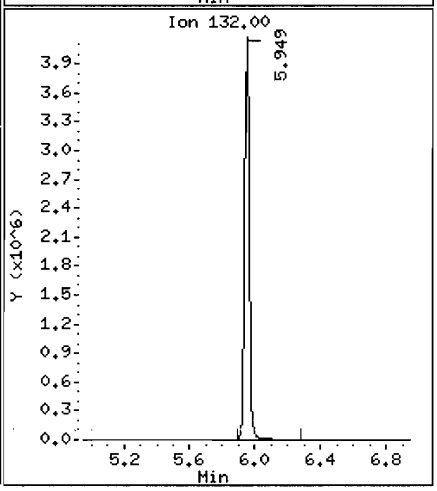












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830644d.d

Date : 25-MAY-2010 16:19

Client ID: ISCO IW16DL

Instrument: J.i

Sample Info: ISCO IW16 :[J05/17/10 @1030(WATER)

Purge Volume: 25.0

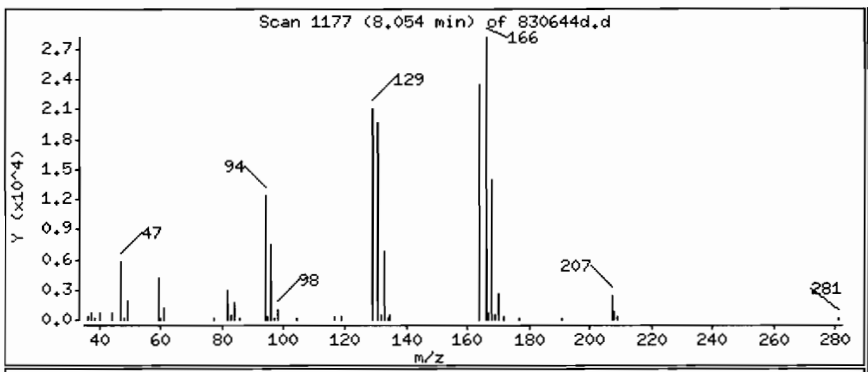
Operator: JH2

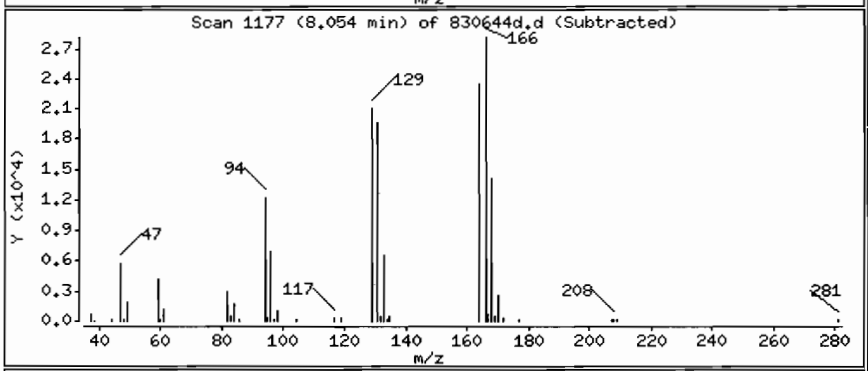
Column phase: DB-624

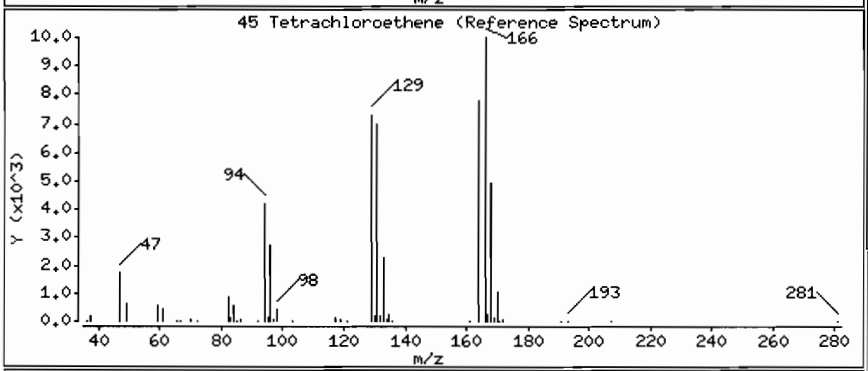
Column diameter: 0.53

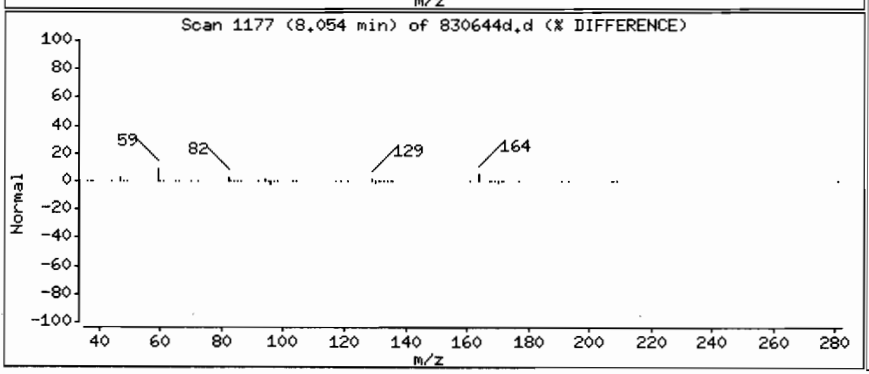
45 Tetrachloroethene

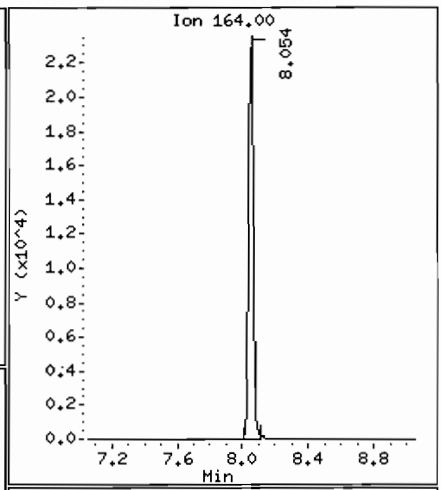
Concentration: 2.7 ug/L

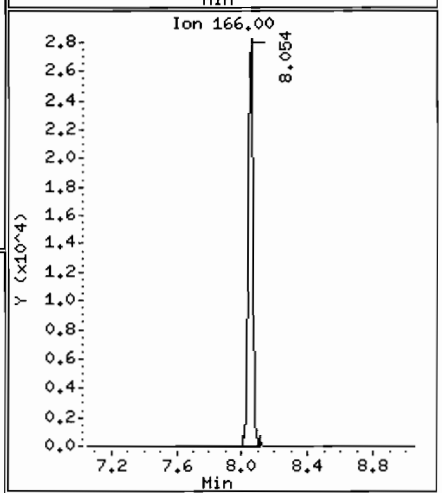


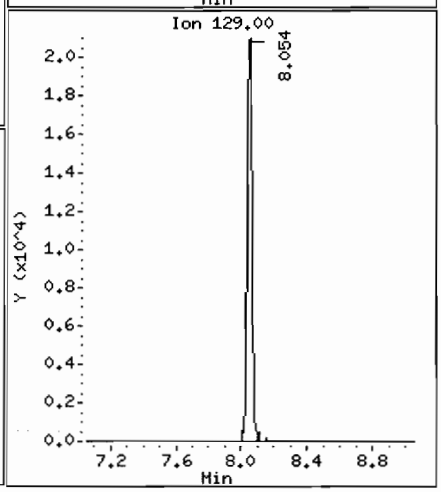












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830644d.d

Date : 25-MAY-2010 16:19

Client ID: ISCO IW16DL

Instrument: J.i

Sample Info: ISCO IW16 :[J05/17/10 @1030(WATER)

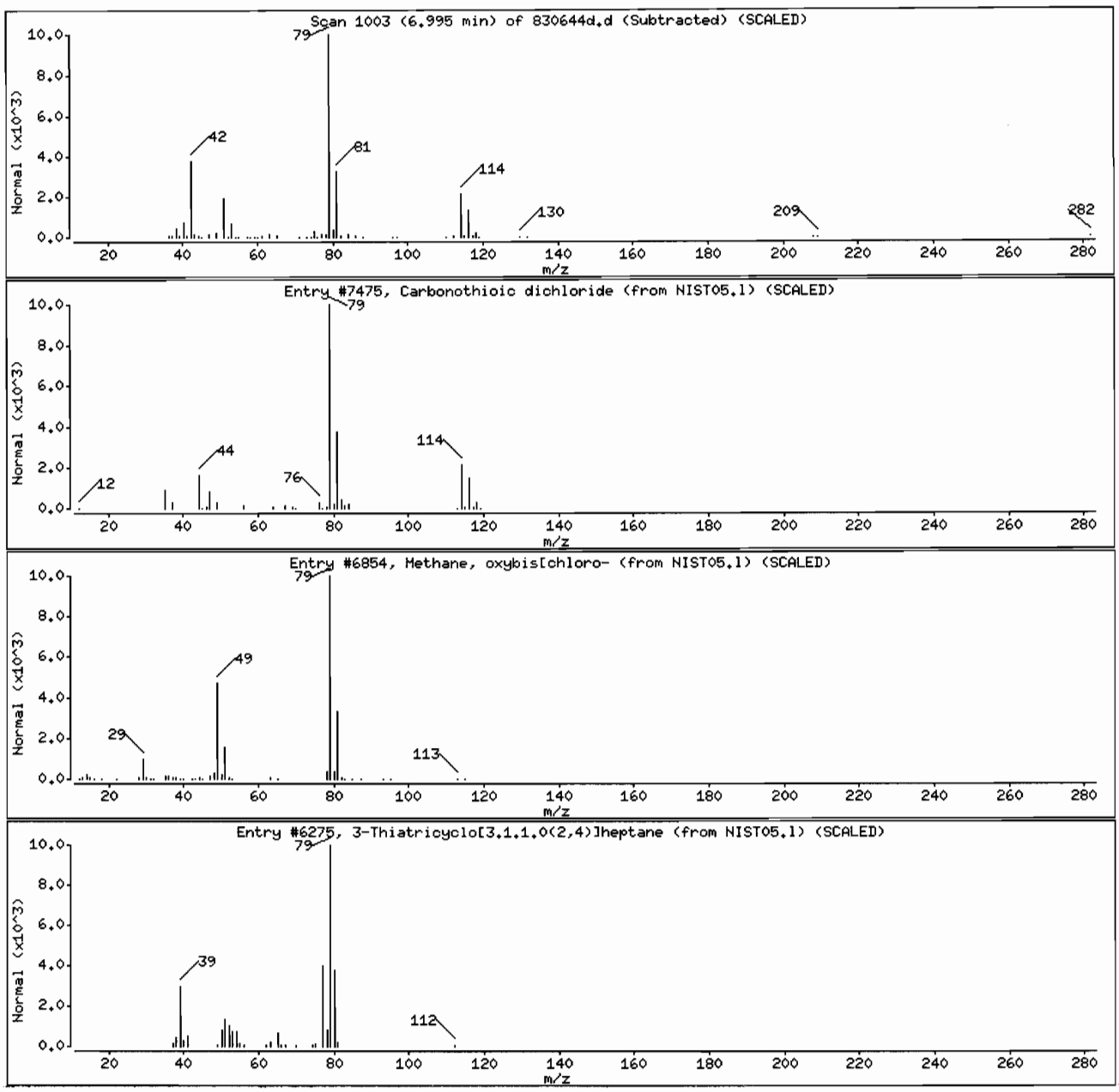
Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	58	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	33	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	28	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO MW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830640

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830640D2

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	6.4	B
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.060	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	1.3	
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.30	J
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO MW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830640

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830640D2

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	23	E
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.15	J
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.18	J
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.069	J
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO MW01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830640

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830640D2

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

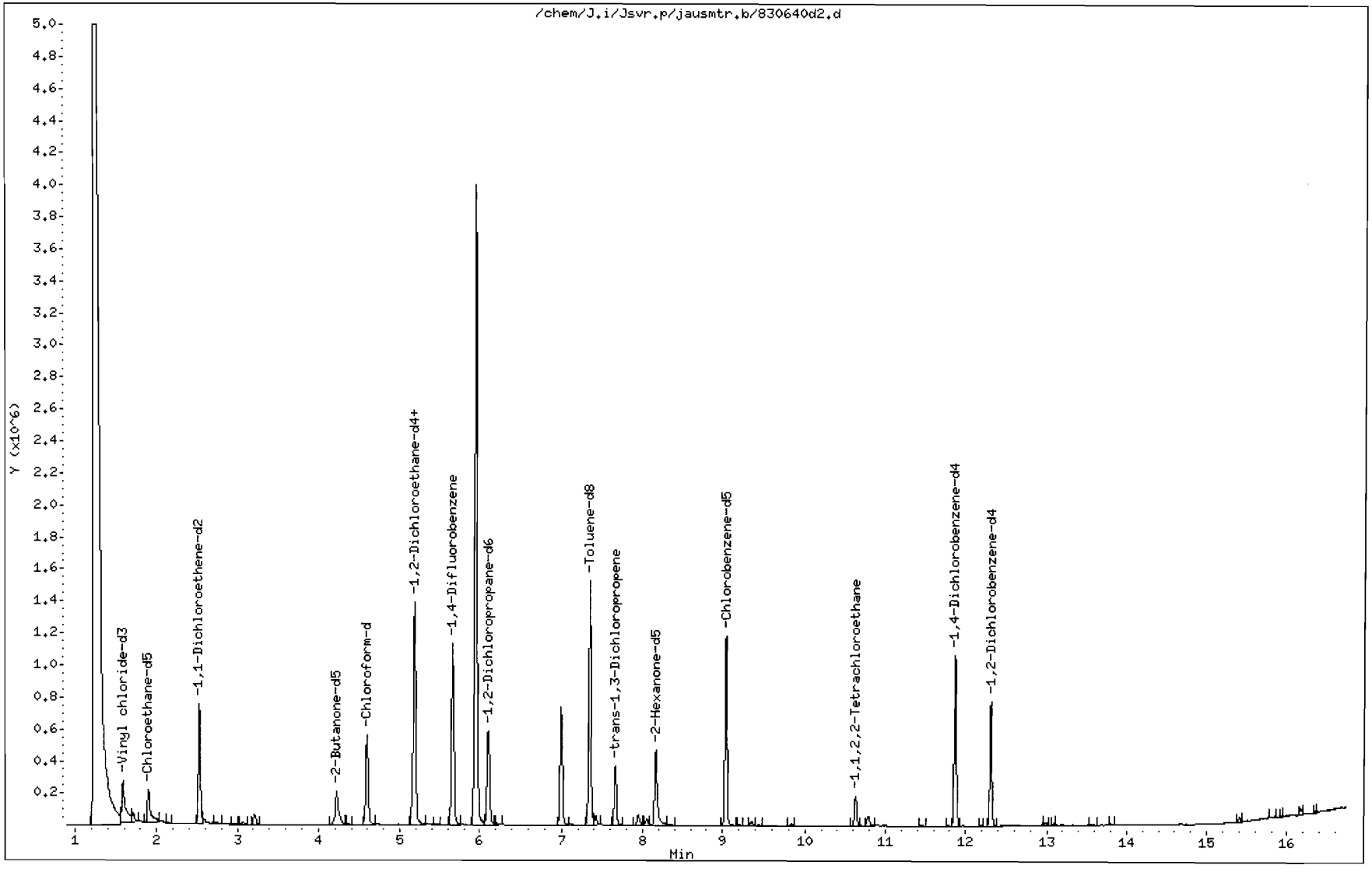
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.1	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d
Date : 25-MAY-2010 16:47
Client ID: ISCO MW01
Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d
Lab Smp Id: 830640 Client Smp ID: ISCO MW01
Inj Date : 25-MAY-2010 16:47
Operator : JH2 Inst ID: J.i
Smp Info : ISCO MW01 :[ ]05/17/10 @1600(WATER)
Misc Info : 830640,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.280)	418876	4.86403	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	323678	5.04873	5.0
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	529160	3.84950	3.8
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	2.584	2.584	(0.456)	18648	6.41752	6.4
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.523)	3636	0.06003	0.060(a)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.568)	72882	1.27122	1.3
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.221	4.221	(0.745)	302488	57.2051	57
	20 cis-1,2-Dichloroethene	96	4.257	4.257	(0.752)	19263	0.29501	0.30(a)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.592	4.586	(0.811)	553380	5.03287	5.0
	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	5.164	5.164	(0.912)	184270	5.27860	5.3
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1379986	5.20315	5.2
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.663	5.657	(1.000)	1060712	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	1544031	22.8620	23(A)
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	335311	4.87557	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	7.342	7.342	(0.812)	1208117	5.05764	5.1
	41 Toluene	91	7.421	7.421	(0.821)	43182	0.14939	0.15(a)
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	248809	5.09694	5.1
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	9446	0.17992	0.18(a)
$	46 2-Hexanone-d5	63	8.163	8.157	(0.903)	237110	54.7322	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	9.039	9.039	(1.000)	796646	5.00000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	9.356	9.355	(1.035)	8473	0.06866	0.069(a)
	54 Styrene	104	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	56 Bromoform	173	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	116014	5.30969	5.3
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.874	11.868	(1.000)	337294	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	241534	4.93471	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.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d
Lab Smp Id: 830640 Client Smp ID: ISCO MW01
Inj Date : 25-MAY-2010 16:47
Operator : JH2 Inst ID: J.i
Smp Info : ISCO MW01 :[ ]05/17/10 @1600(WATER)
Misc Info : 830640,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.663	2405288	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1469637	3.05501187	3.1	0		0	32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

Client ID: ISCO MW01

Instrument: J.i

Sample Info: ISCO MW01 :[J05/17/10 @1600(WATER)

Purge Volume: 25.0

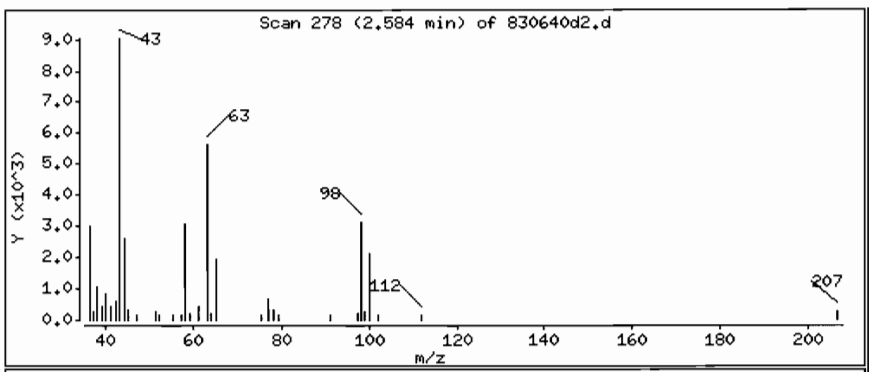
Operator: JH2

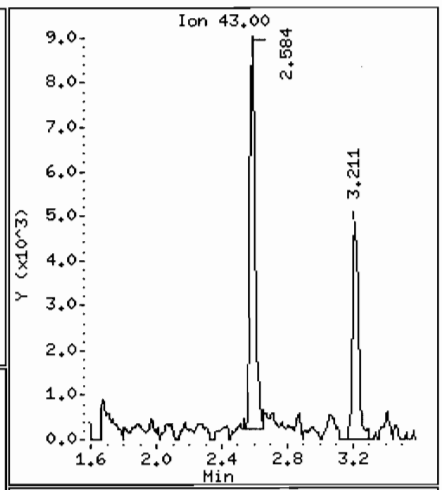
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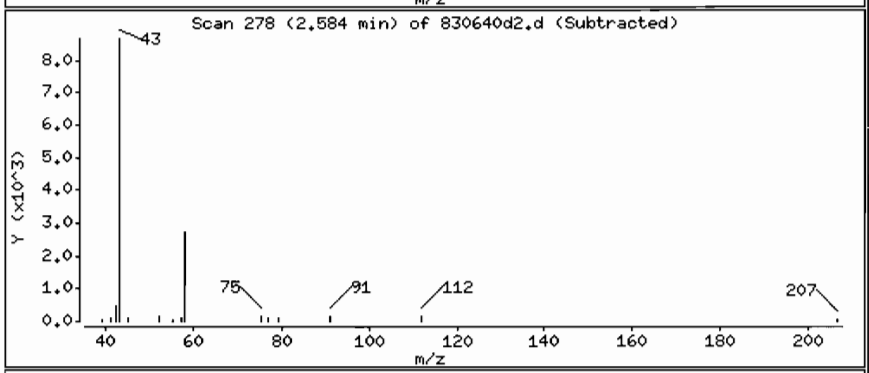
Column diameter: 0.53

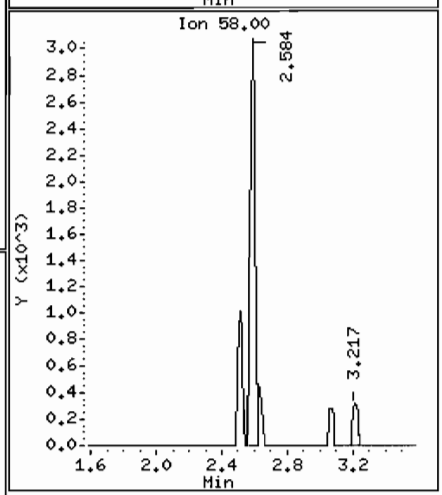
12 Acetone

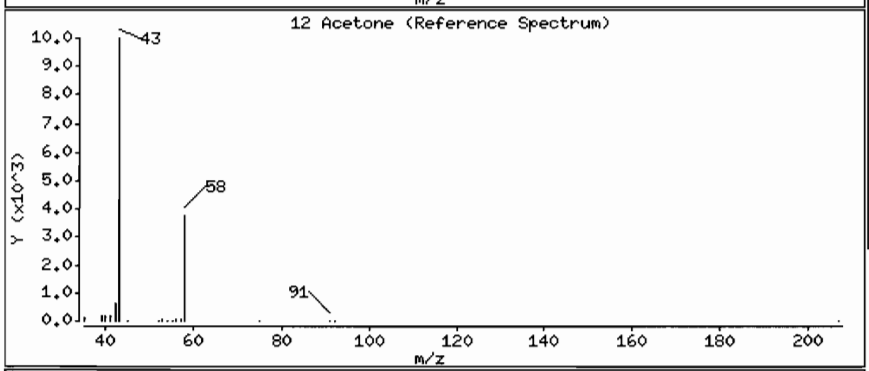
Concentration: 6.4 ug/L

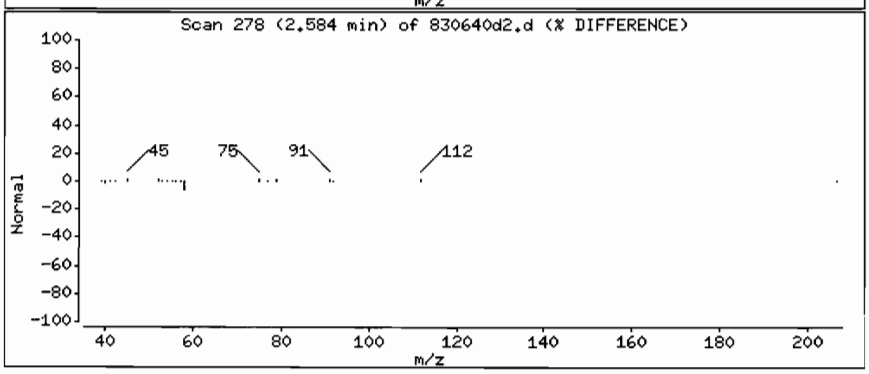












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

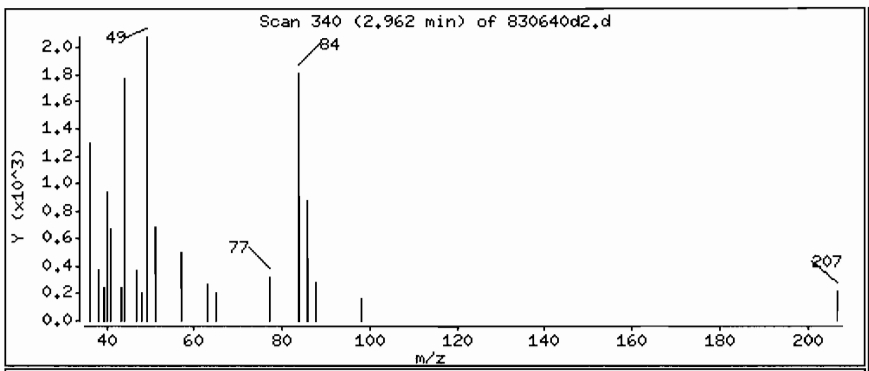
Client ID: ISCO MW01 Instrument: J.i

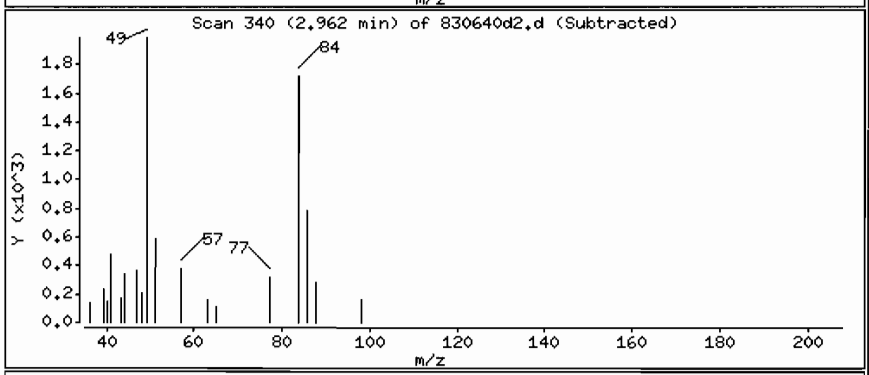
Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

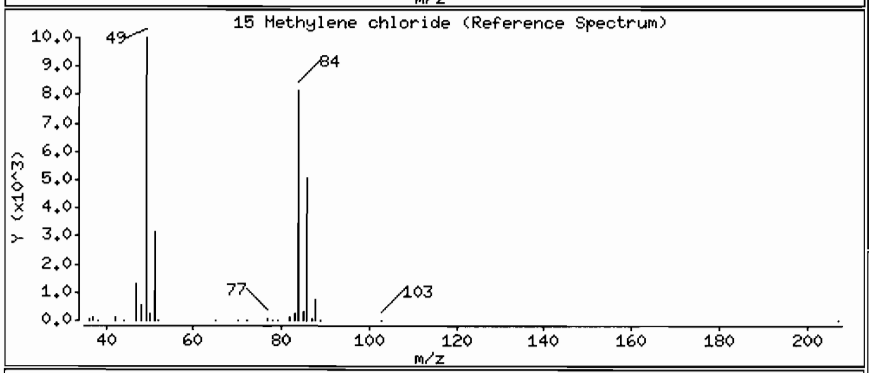
Purge Volume: 25.0 Operator: JH2

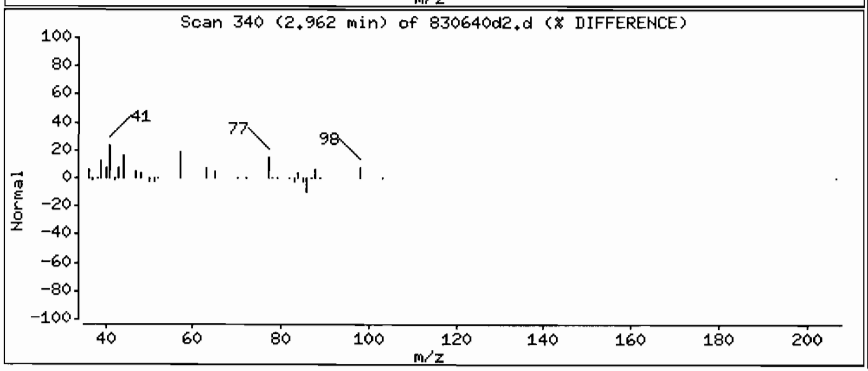
Column phase: DB-624 Column diameter: 0.53

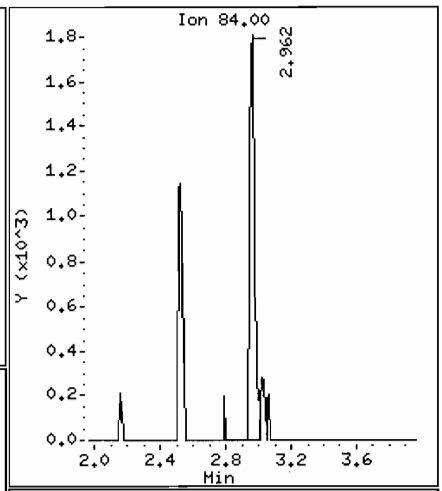
15 Methylene chloride Concentration: 0.060 ug/L

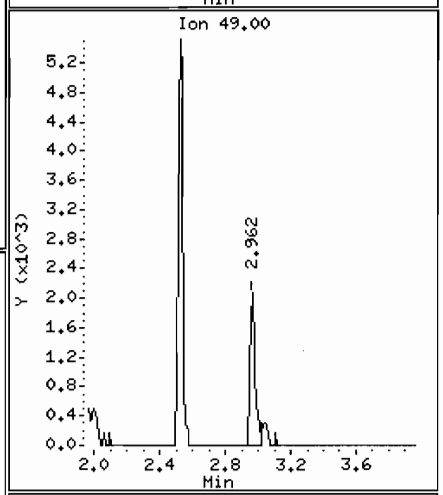


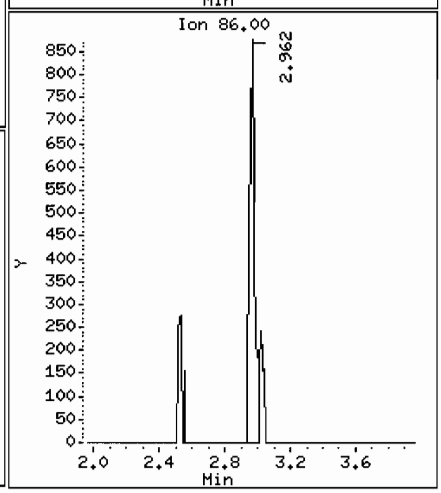












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

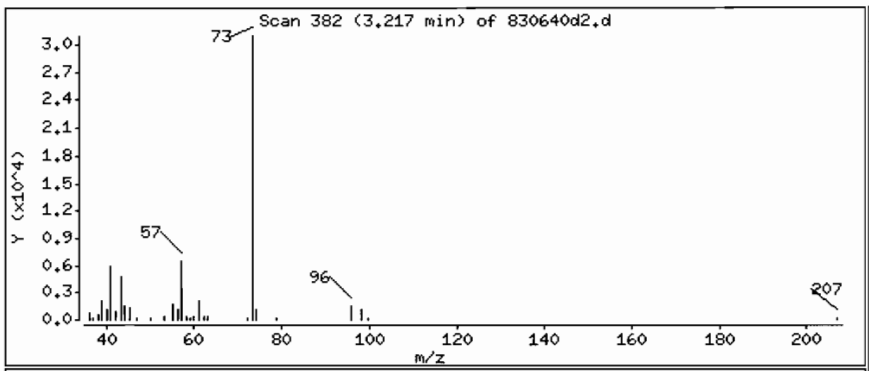
Client ID: ISCO MW01 Instrument: J.i

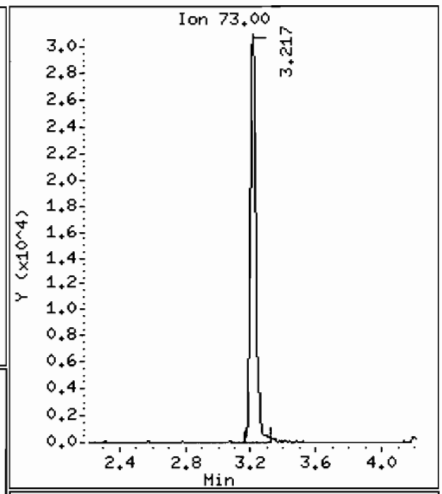
Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

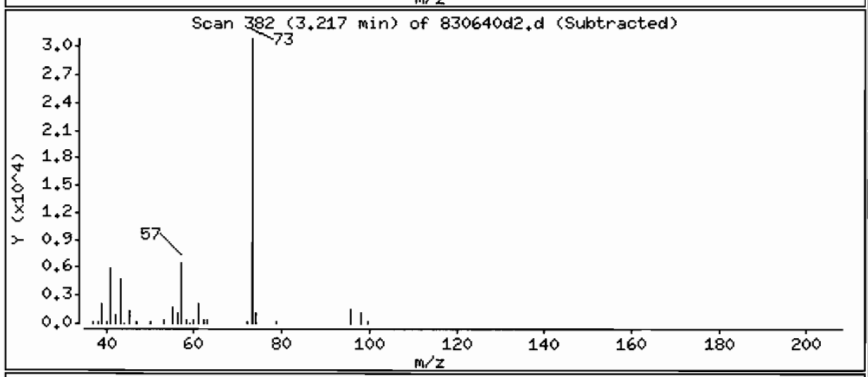
Purge Volume: 25.0 Operator: JH2

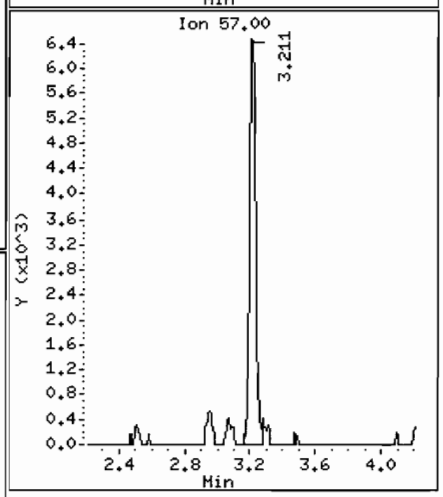
Column phase: DB-624 Column diameter: 0.53

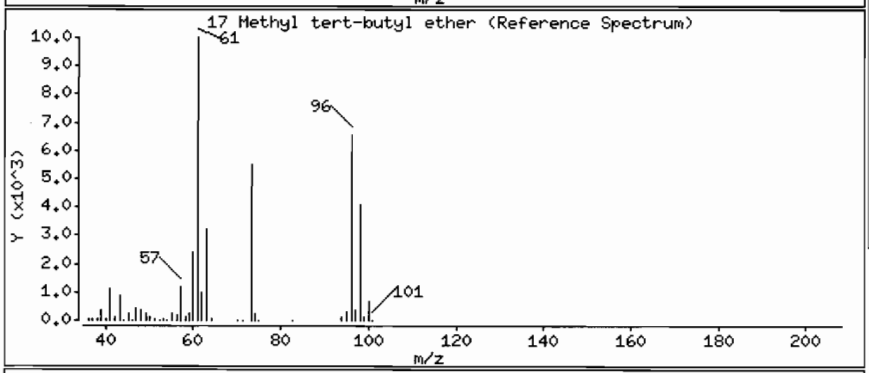
17 Methyl tert-butyl ether Concentration: 1.3 ug/L

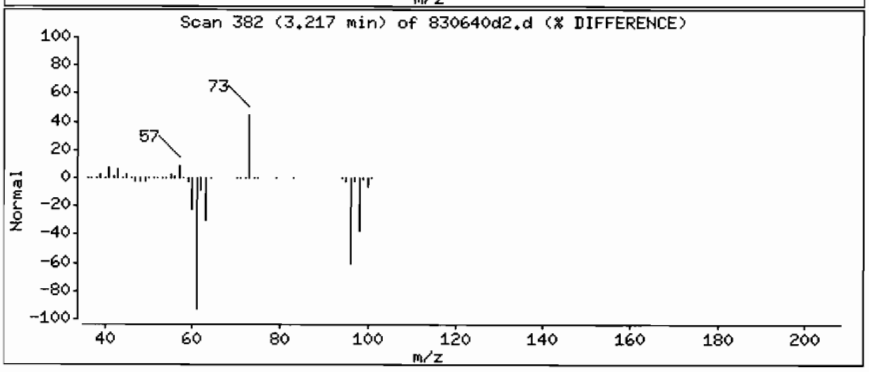












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

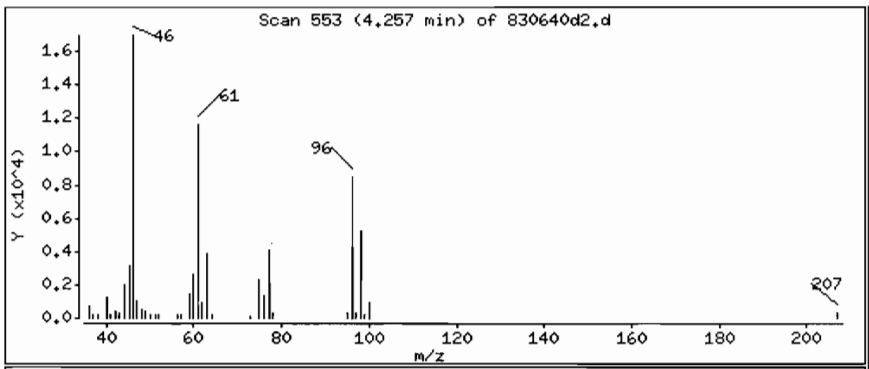
Client ID: ISCO MW01 Instrument: J.i

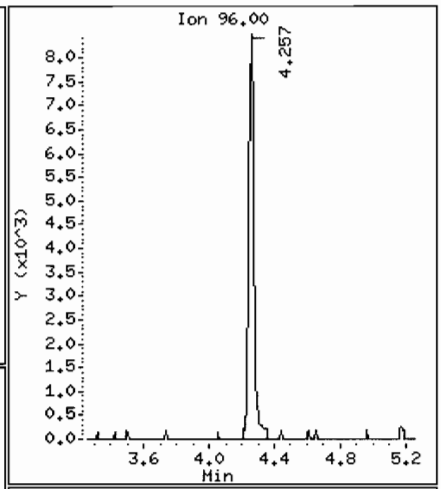
Sample Info: ISCO MW01 :[J05/17/10 @1600(WATER)

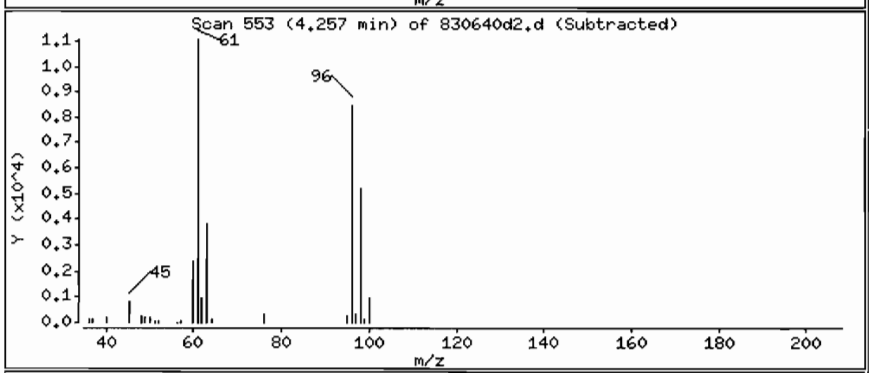
Purge Volume: 25.0 Operator: JH2

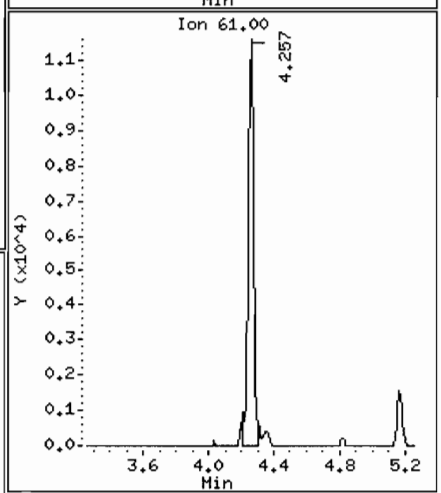
Column phase: DB-624 Column diameter: 0.53

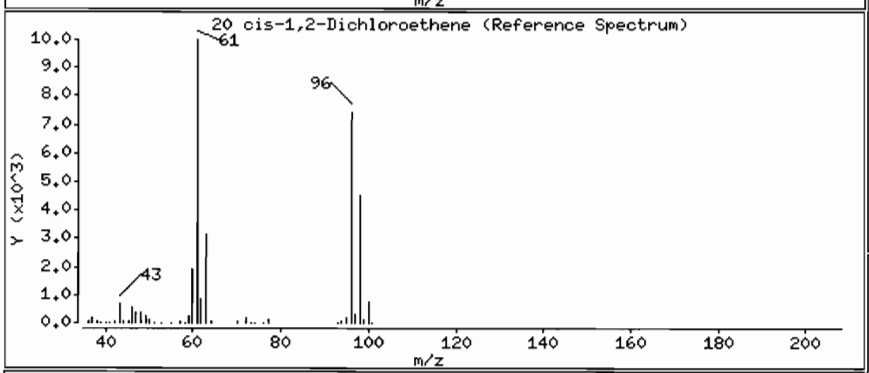
20 cis-1,2-Dichloroethene Concentration: 0.30 ug/L

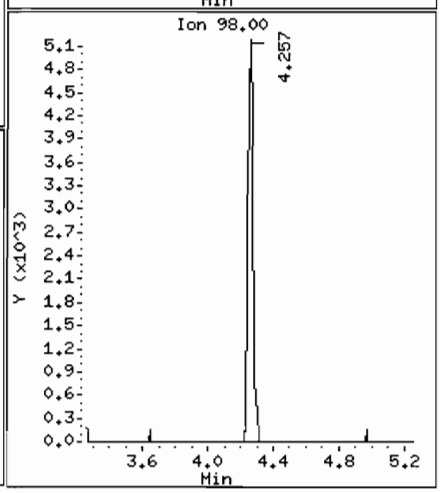


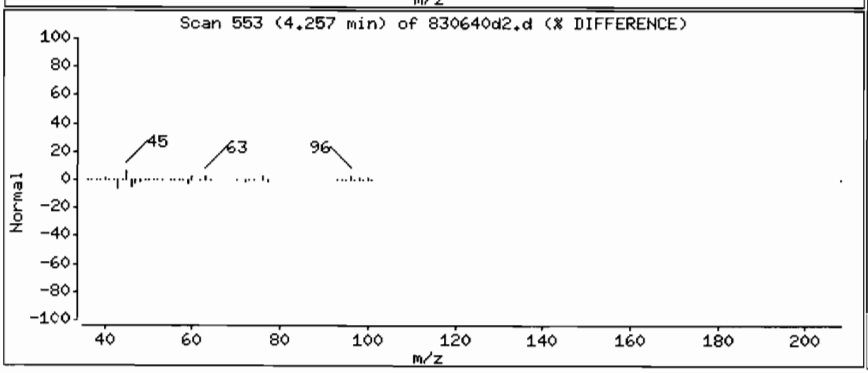












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

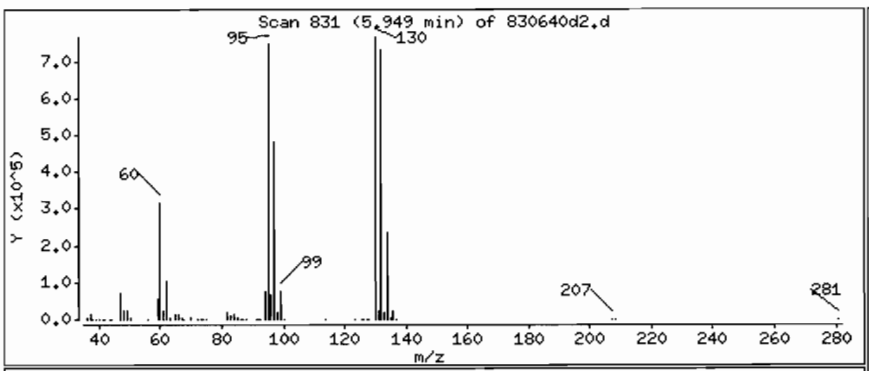
Client ID: ISCO MW01 Instrument: J.i

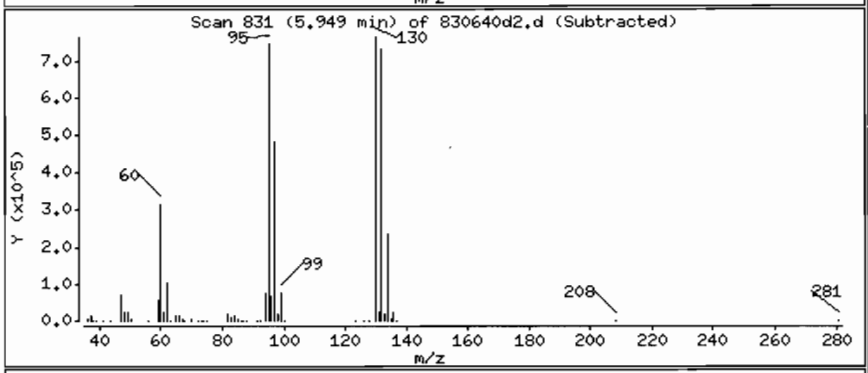
Sample Info: ISCO MW01 :[J05/17/10 @1600(WATER)

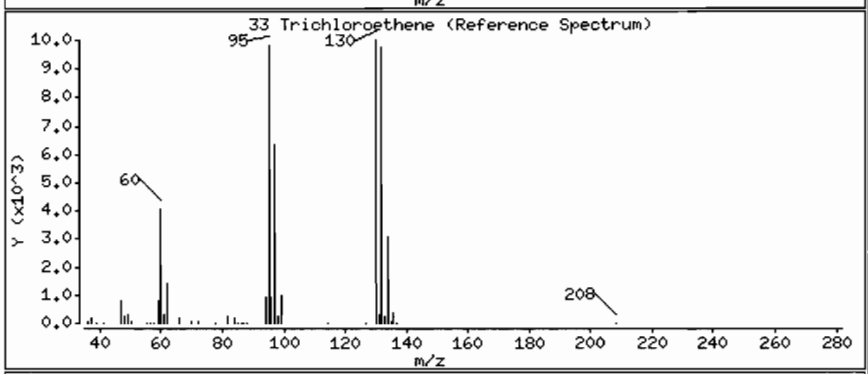
Purge Volume: 25.0 Operator: JH2

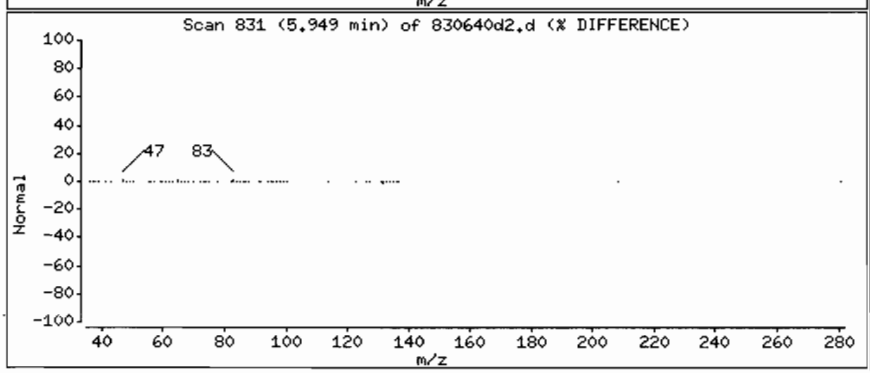
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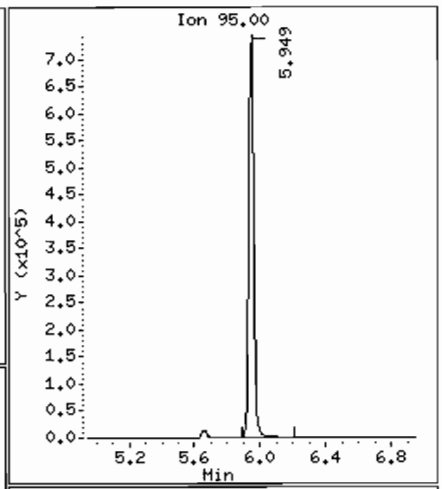
33 Trichloroethene Concentration: 23 ug/L

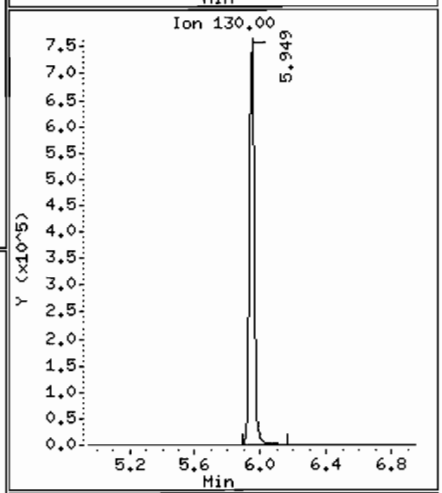


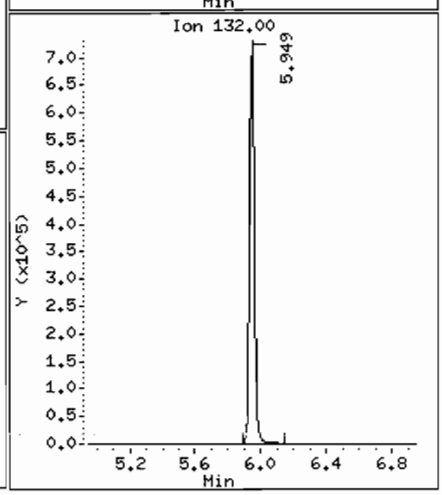












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

Client ID: ISCO MW01

Instrument: J.i

Sample Info: ISCO MW01 :[05/17/10 @1600(WATER)

Purge Volume: 25.0

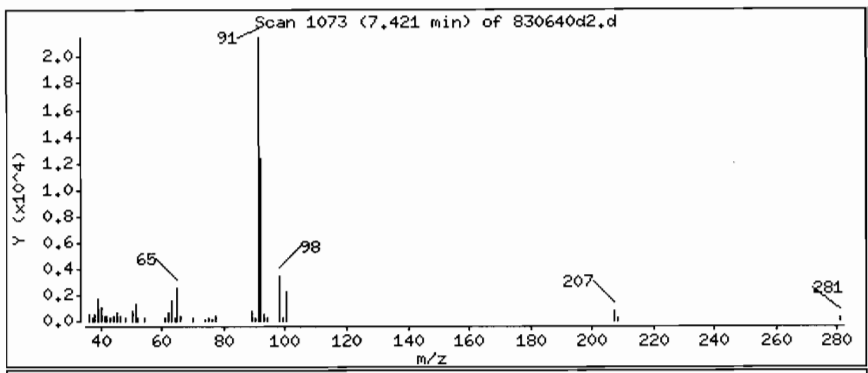
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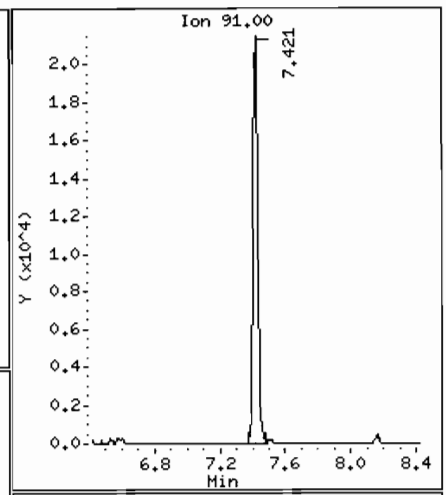
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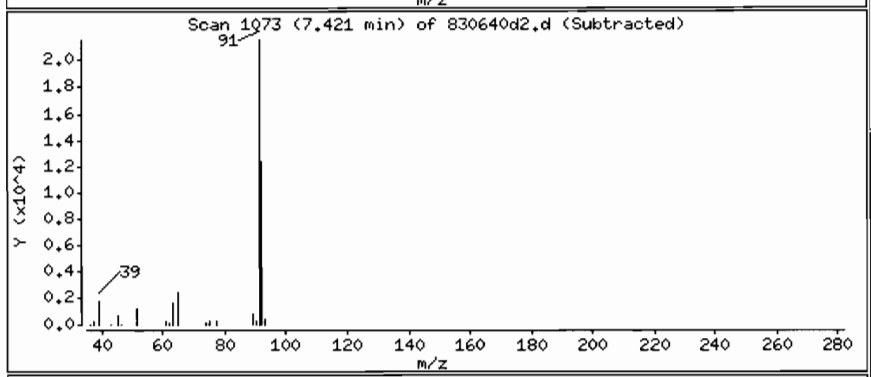
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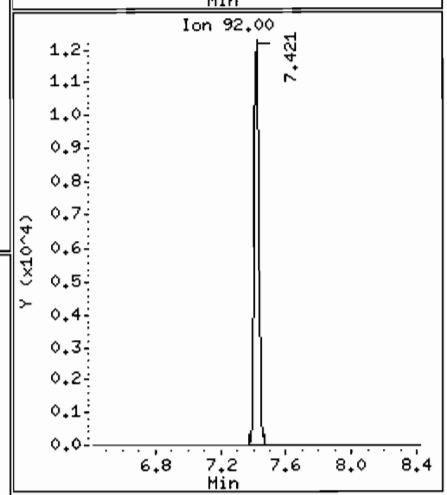
41 Toluene

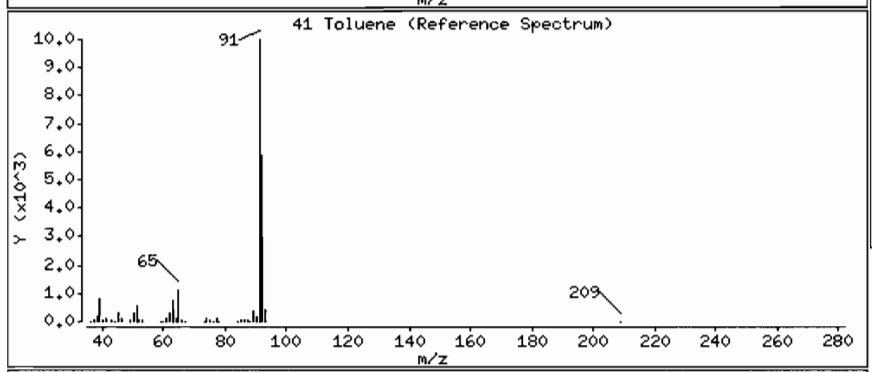
Concentration: 0.15 ug/L

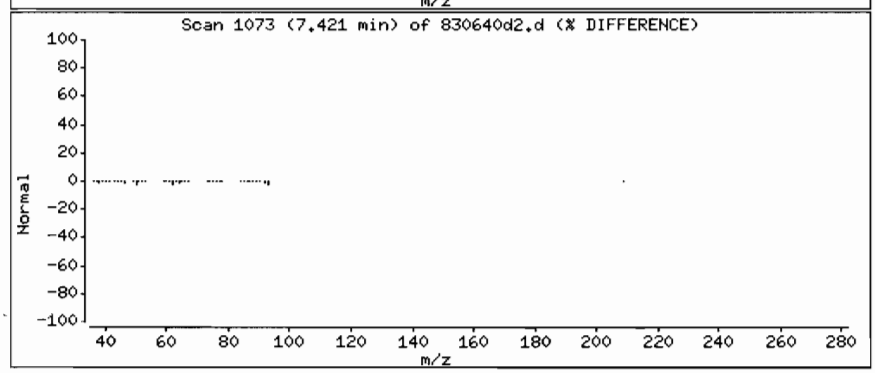












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

Client ID: ISCO MW01

Instrument: J.i

Sample Info: ISCO MW01 :[J05/17/10 @1600(WATER)

Purge Volume: 25.0

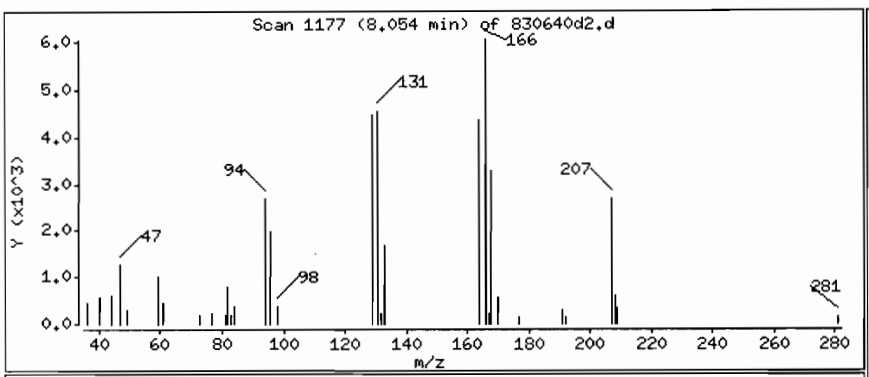
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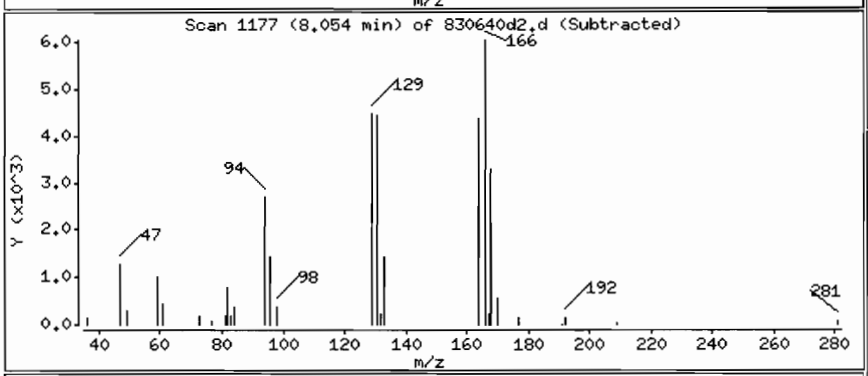
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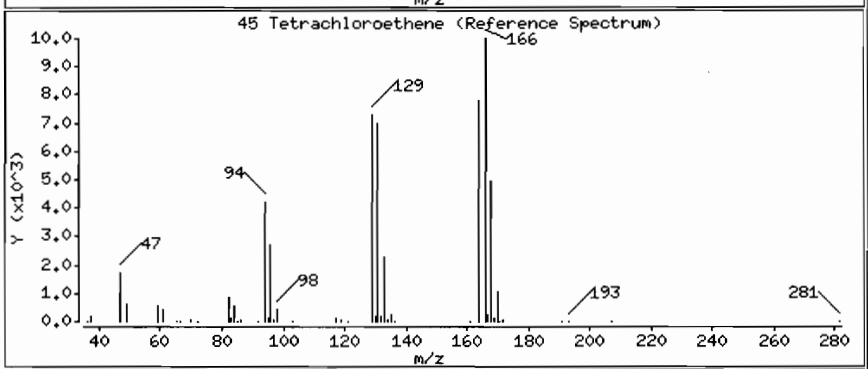
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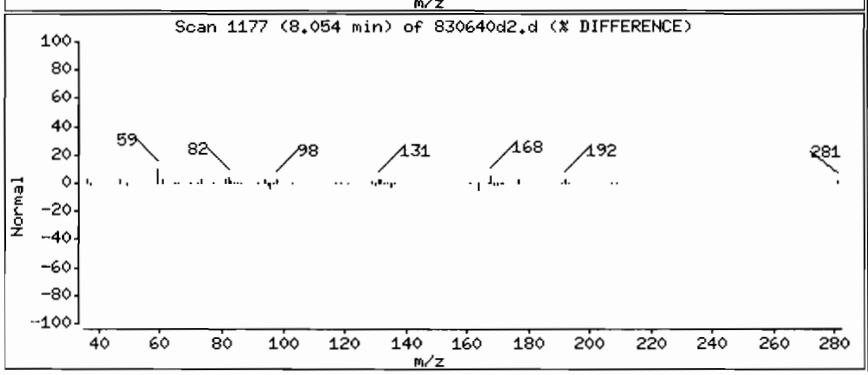
45 Tetrachloroethene

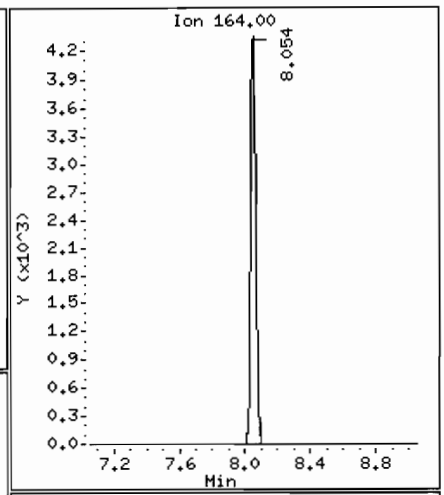
Concentration: 0.18 ug/L

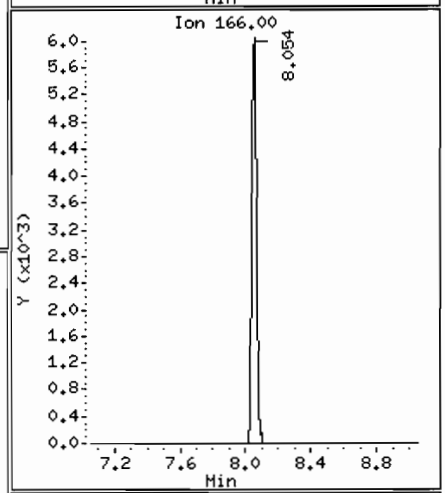


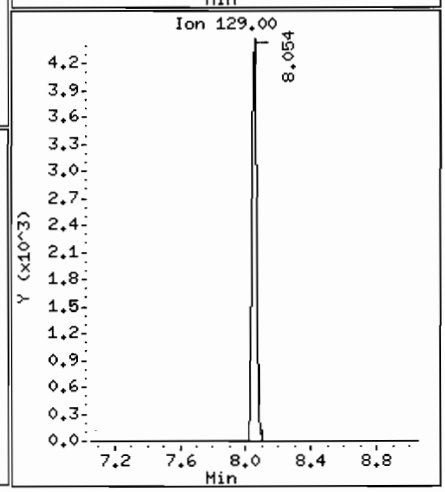












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

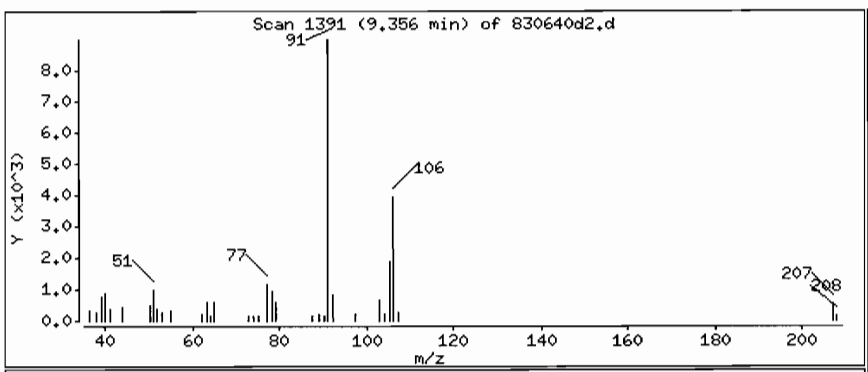
Client ID: ISCO MW01 Instrument: J.i

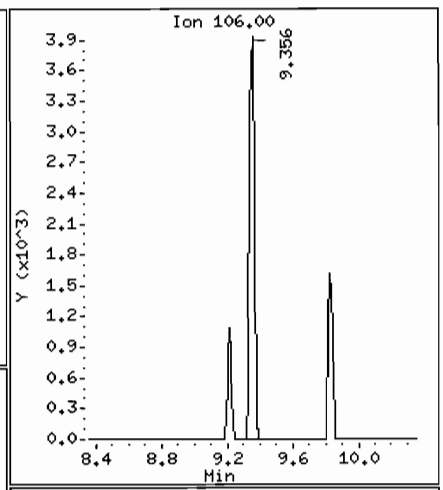
Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

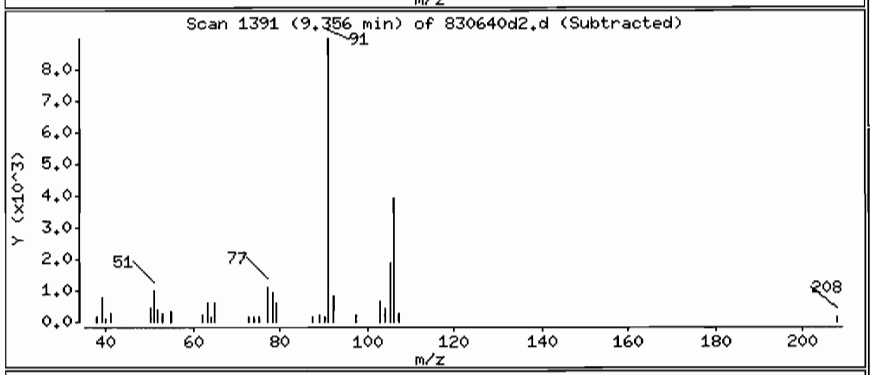
Purge Volume: 25.0 Operator: JH2

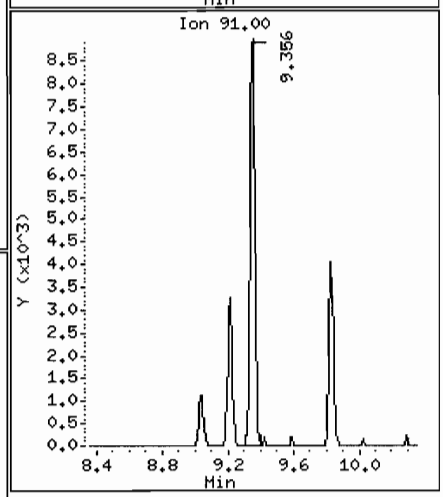
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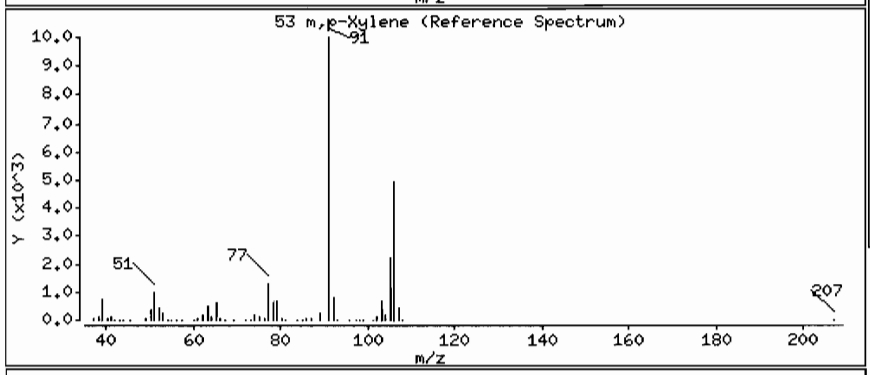
53 m,p-Xylene Concentration: 0.069 ug/L

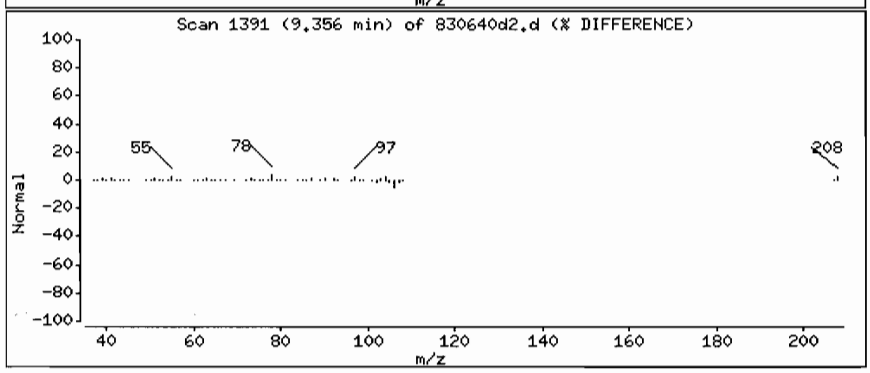












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d2.d

Date : 25-MAY-2010 16:47

Client ID: ISCO MW01

Instrument: J.i

Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

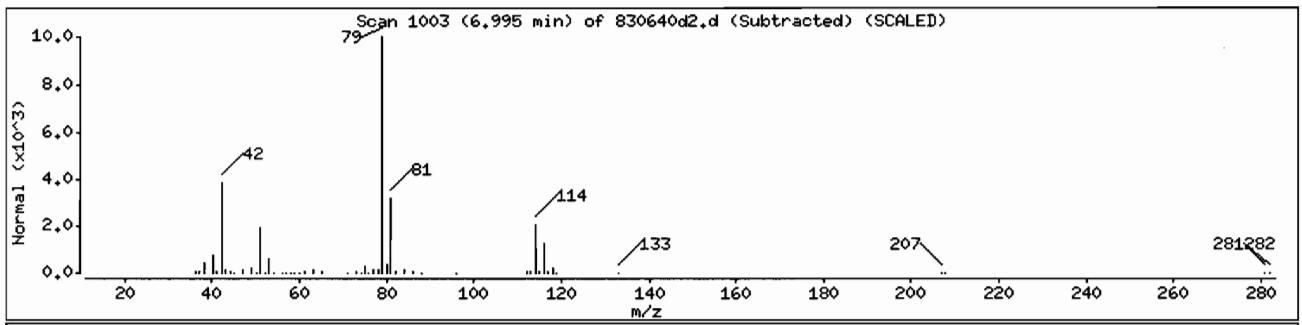
Purge Volume: 25.0

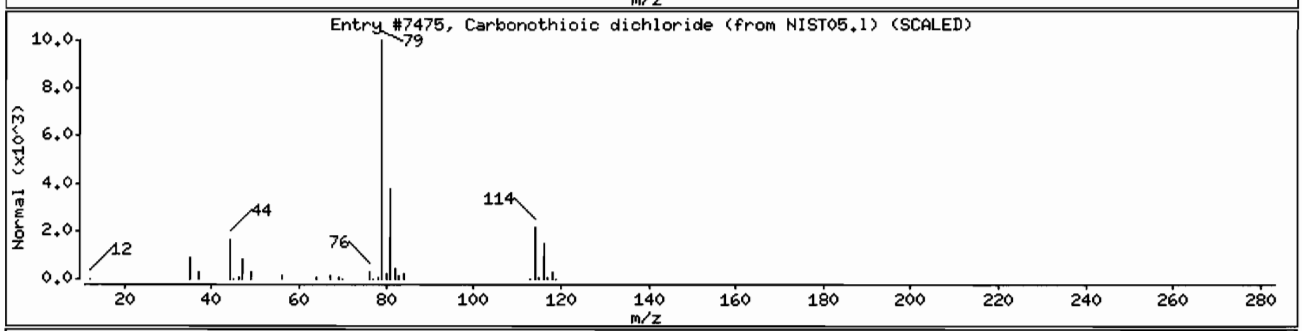
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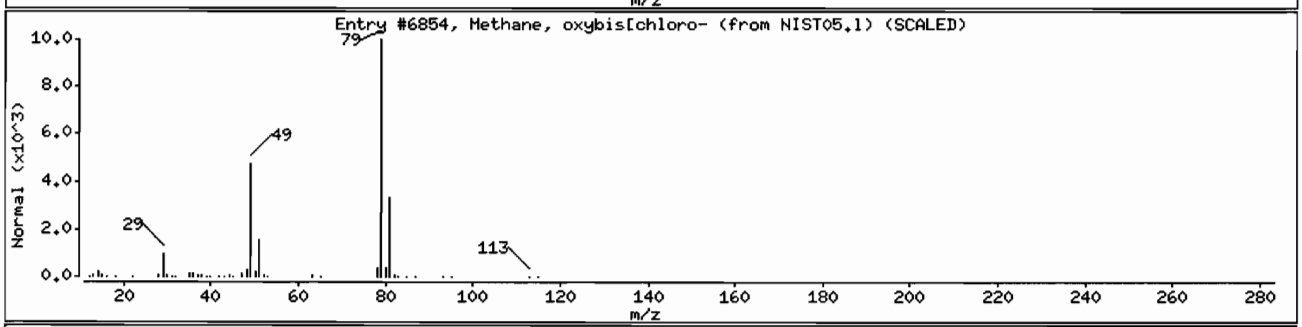
Column phase: DB-624

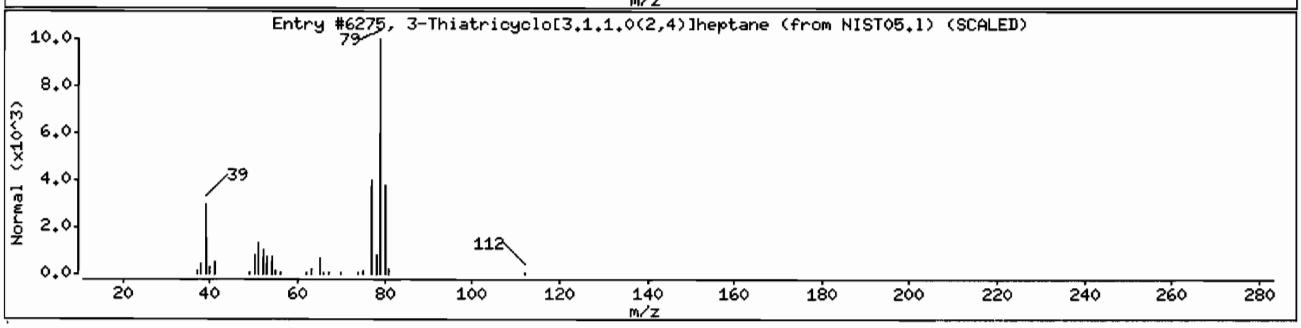
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	52	CC12S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	25	C2H4C120	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	23	C6H8S	112









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO MW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830640D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830640D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U
67-64-1	Acetone	7.3	DJB
75-15-0	Carbon disulfide	0.12	DJB
79-20-9	Methyl acetate	1.0	U
75-09-2	Methylene chloride	0.15	DJB
156-60-5	trans-1,2-Dichloroethene	1.0	U
1634-04-4	Methyl tert-butyl ether	1.0	D
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.29	DJ
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
110-82-7	Cyclohexane	1.0	U
56-23-5	Carbon tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO MW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830640D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830640D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	23	D
108-87-2	Methylcyclohexane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	0.15	DJ
10061-02-6	trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	0.19	DJ
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
179601-23-1	m,p-Xylene	0.079	DJ
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO MW01DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830640D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830640D

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	6.2	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Page 5

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

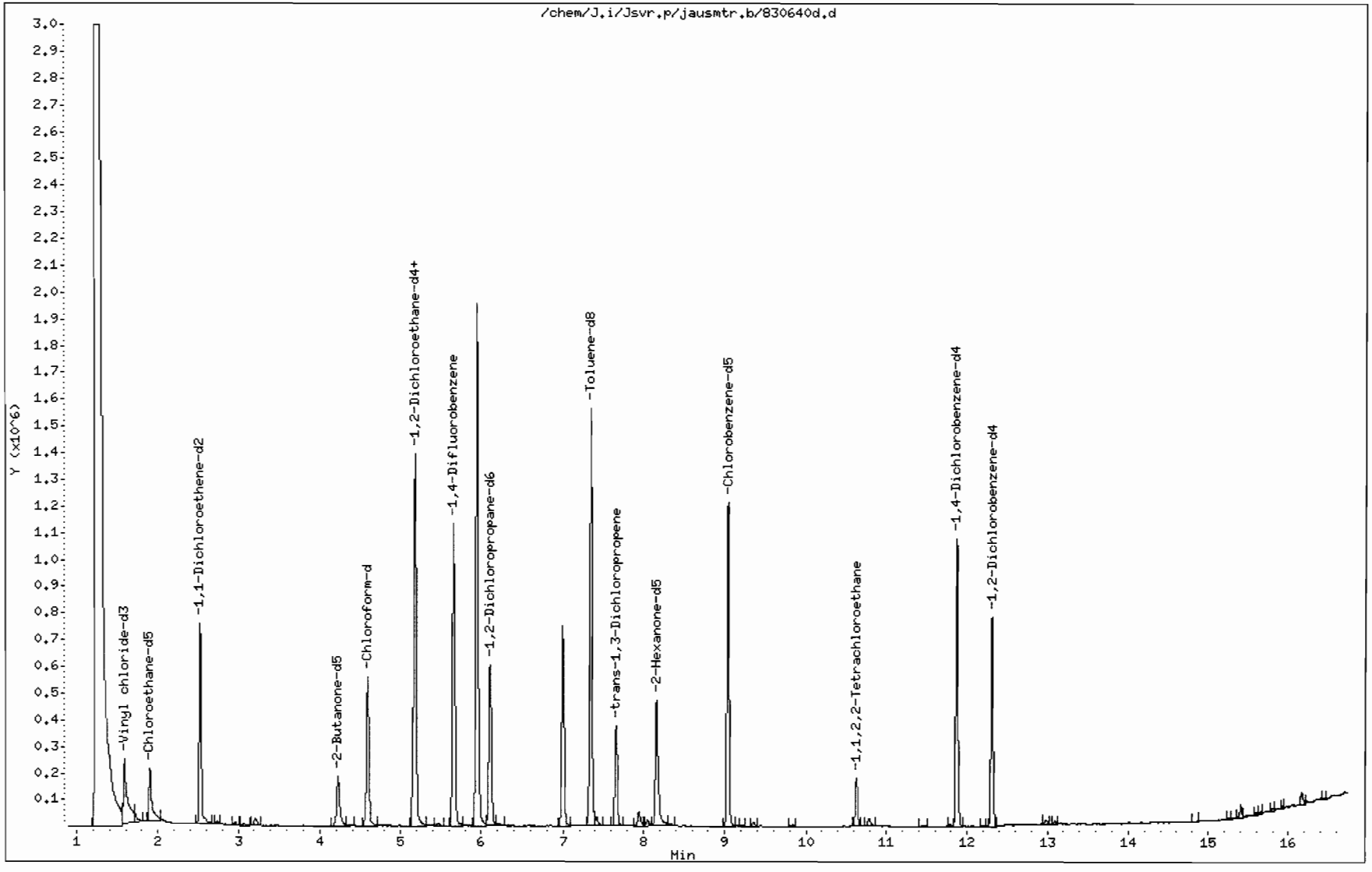
Sample Info: ISCO MW01 :[05/17/10 @1600(WATER)

Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830640d.d
Lab Smp Id: 830640D1 Client Smp ID: ISCO MW01DL
Inj Date : 25-MAY-2010 14:29
Operator : JH2 Inst ID: J.i
Smp Info : ISCO MW01 :[ ]05/17/10 @1600(WATER)
Misc Info : 830640,052510JV,2,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 2
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	418204	4.85573	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	332217	5.18139	5.2
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	540724	3.93322	3.9
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	(0.457)	10614	3.65232	7.3(a)
13	Carbon disulfide	76	2.731	2.730	(0.483)	12877	0.06152	0.12(a)
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	4596	0.07587	0.15(aQ)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.569)	29155	0.50847	1.0
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	287660	54.3953	54
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	9617	0.14727	0.29(a)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.592	4.586	(0.812)	547360	4.97761	5.0
	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	5.164	5.164	(0.913)	178463	5.11173	5.1
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1386715	5.16060	5.2
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1060821	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	770749	11.2640	23
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	347341	4.98488	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	7.342	7.342	(0.812)	1233309	5.09603	5.1
	41 Toluene	91	7.421	7.421	(0.821)	22500	0.07683	0.15(a)
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	250169	5.05822	5.1
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	5056	0.09505	0.19(a)
$	46 2-Hexanone-d5	63	8.163	8.157	(0.903)	234765	53.4869	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	9.039	9.039	(1.000)	807132	5.00000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	9.356	9.355	(1.035)	4942	0.03953	0.079(a)
	54 Styrene	104	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	56 Bromoform	173	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	115836	5.23267	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	11.868	11.868	(1.000)	340061	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	246304	4.99122	5.0
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/jausmtr.b/830640d.d
Lab Smp Id: 830640D1 Client Smp ID: ISCO MW01DL
Inj Date : 25-MAY-2010 14:29
Operator : JH2 Inst ID: J.i
Smp Info : ISCO MW01 :[ ]05/17/10 @1600(WATER)
Misc Info : 830640,052510JV,2,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 2
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2391066	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1477809	3.09027140	6.2	0	0		32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

Purge Volume: 25.0

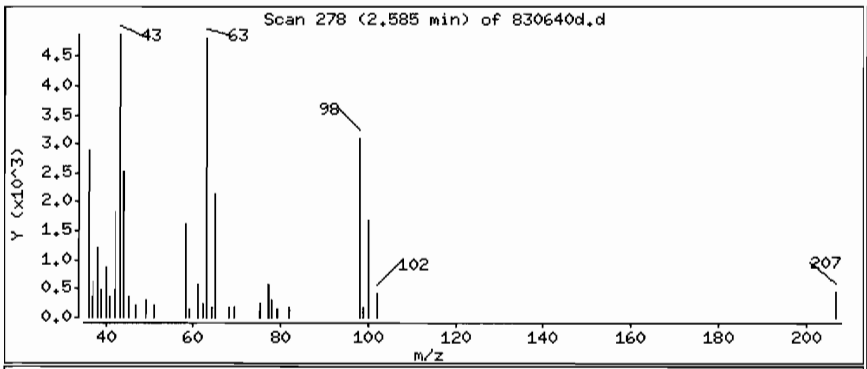
Operator: JH2

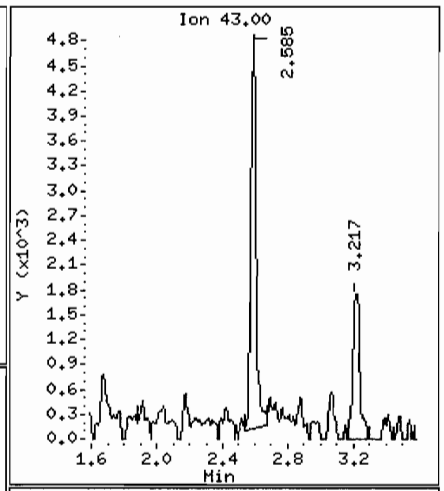
Column phase: DB-624

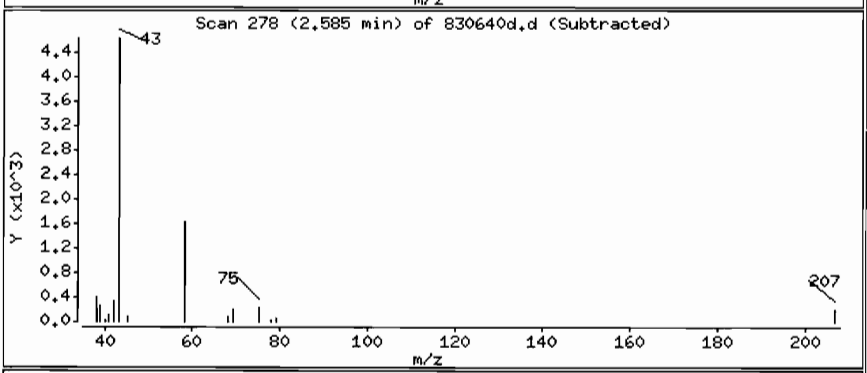
Column diameter: 0.53

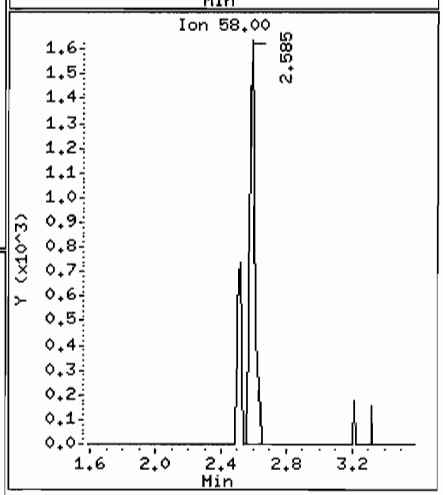
12 Acetone

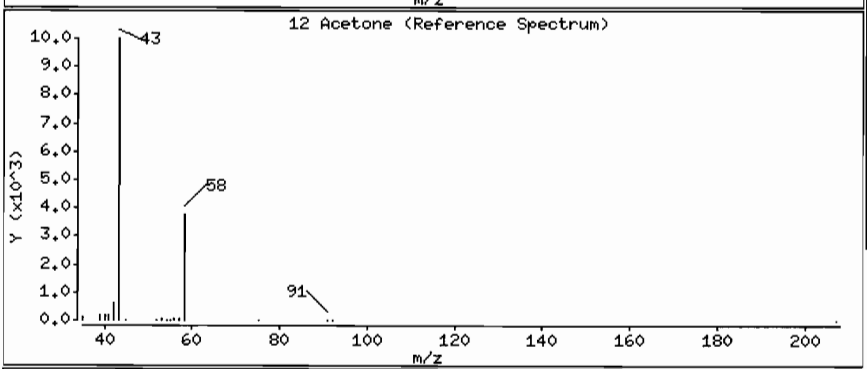
Concentration: 7.3 ug/L

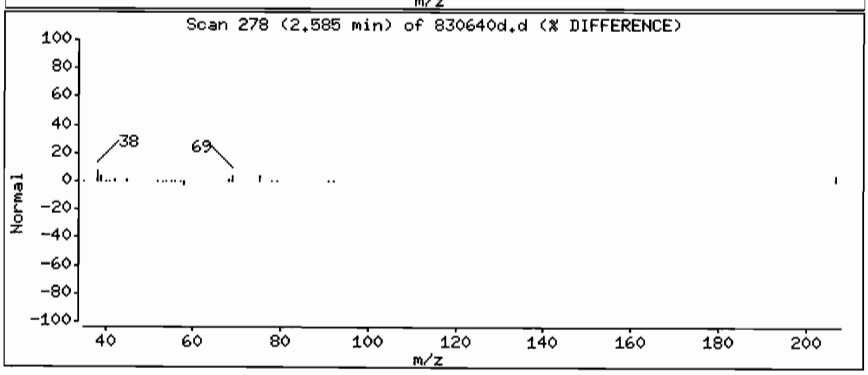












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

Purge Volume: 25.0

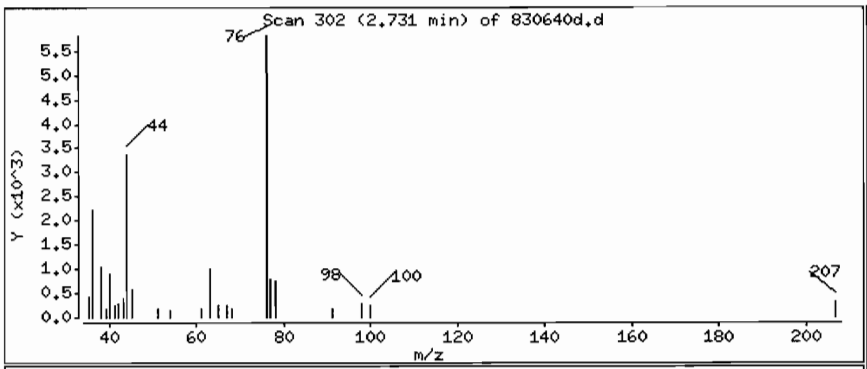
Operator: JH2

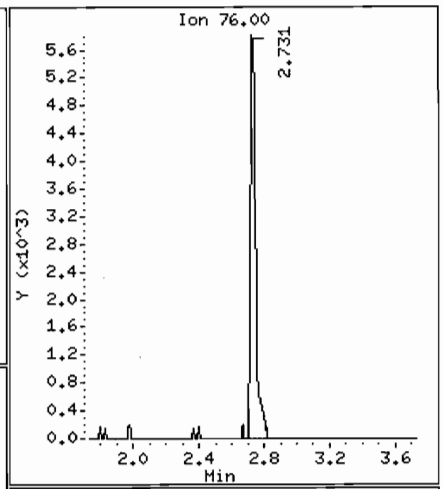
Column phase: DB-624

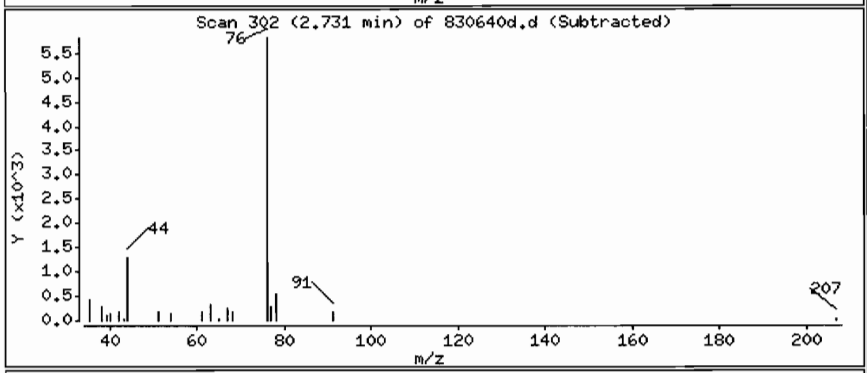
Column diameter: 0.53

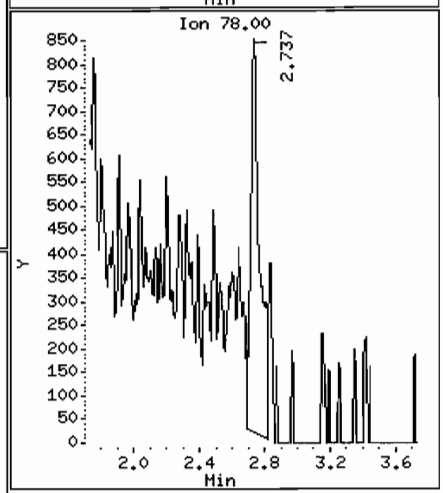
13 Carbon disulfide

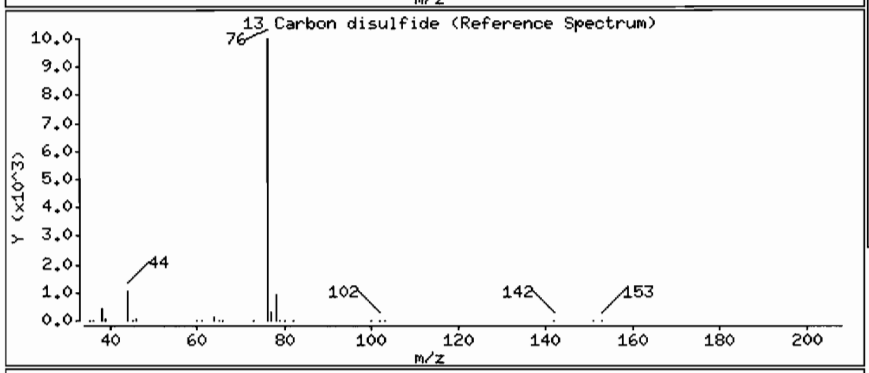
Concentration: 0.12 ug/L

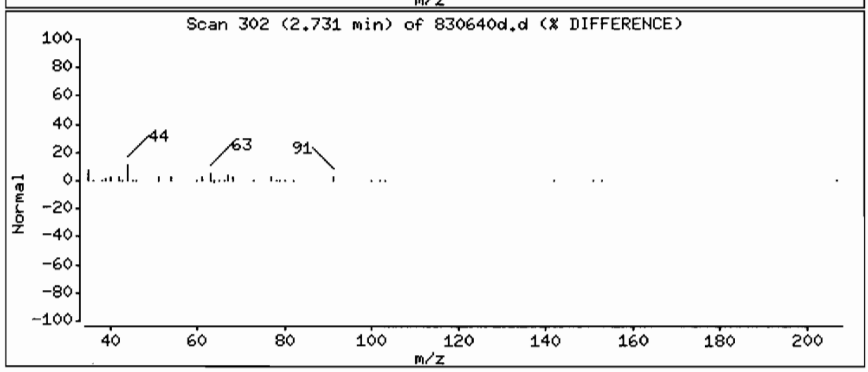












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

Purge Volume: 25.0

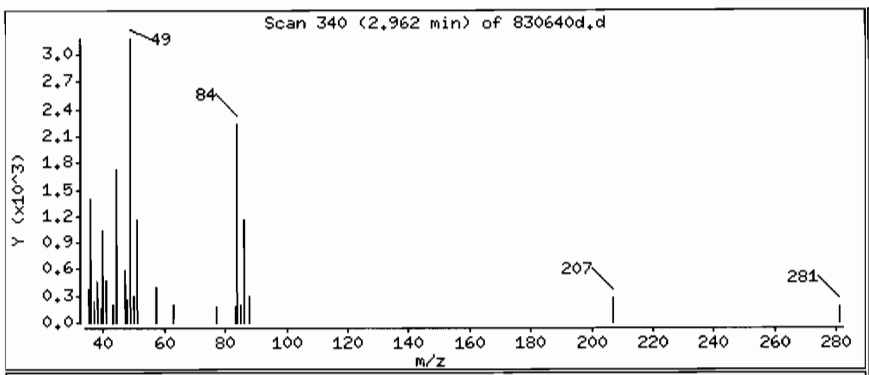
Operator: JH2

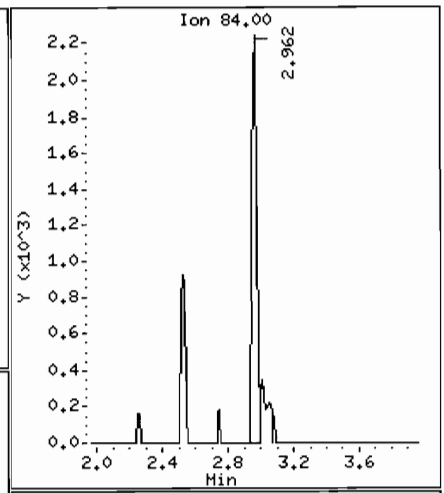
Column phase: DB-624

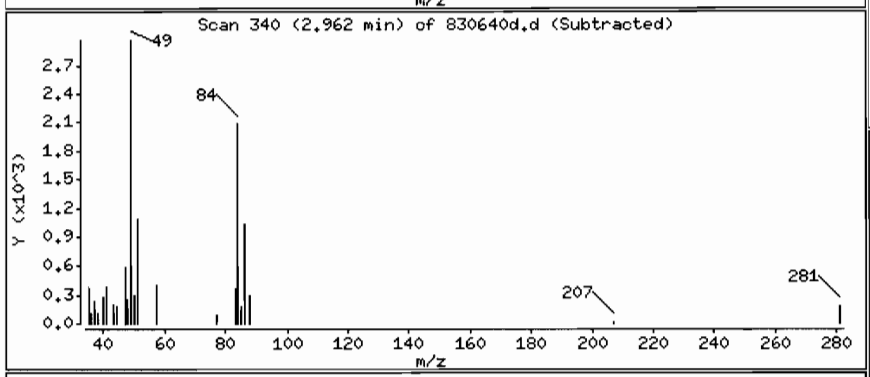
Column diameter: 0.53

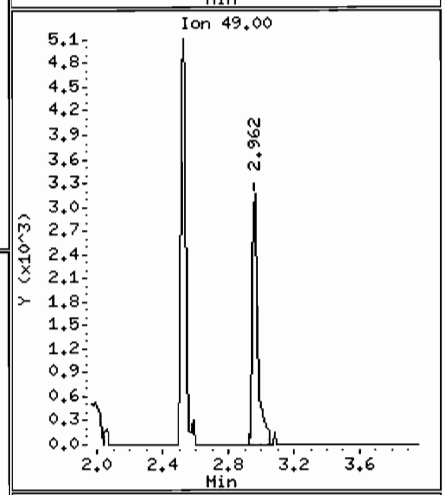
15 Methylene chloride

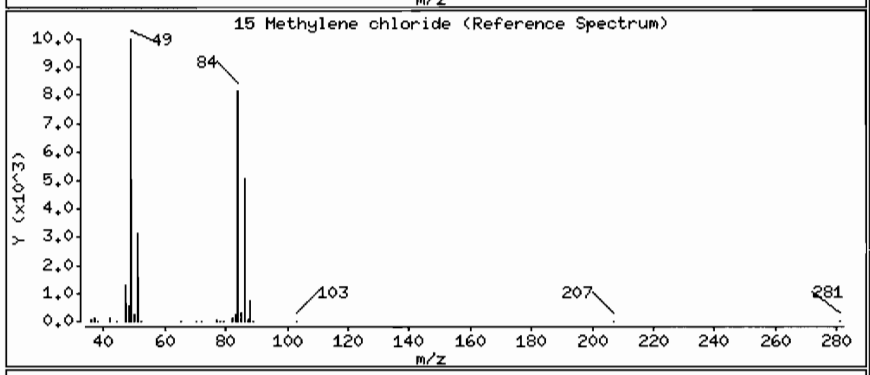
Concentration: 0.15 ug/L

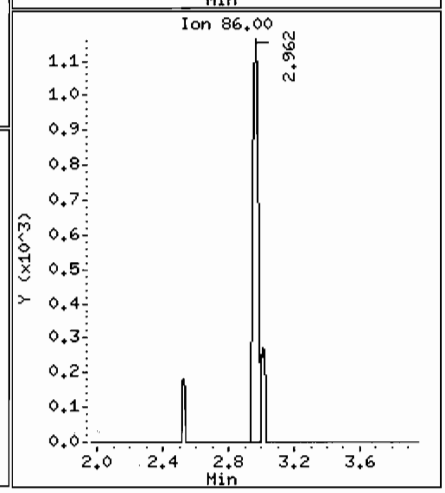


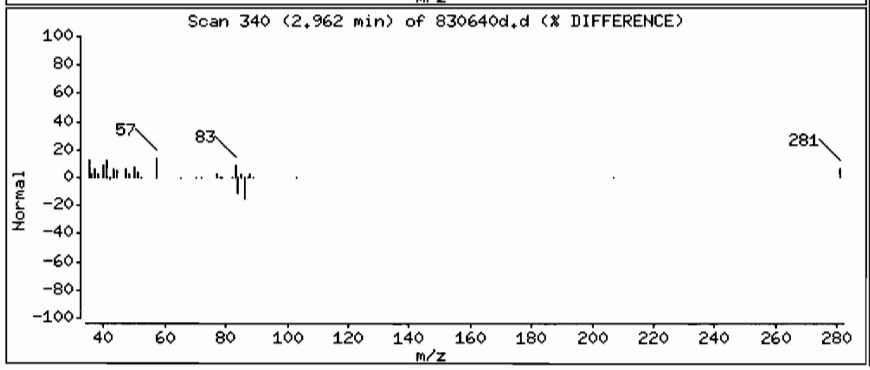












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[05/17/10 @1600(WATER)

Purge Volume: 25.0

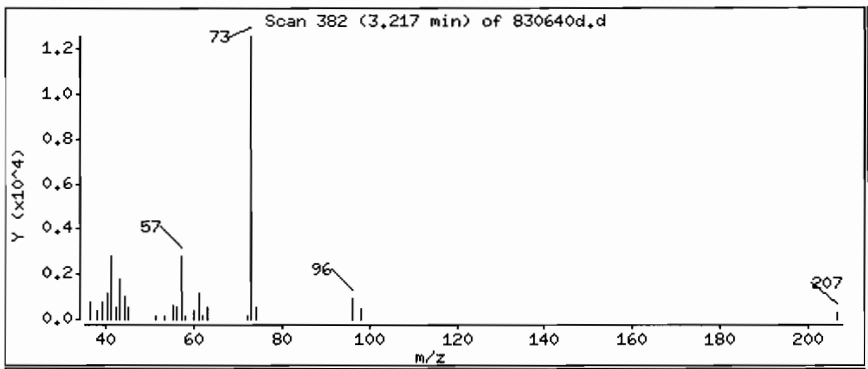
Operator: JH2

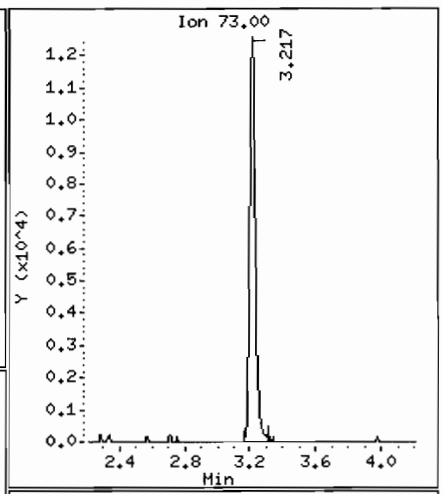
Column phase: DB-624

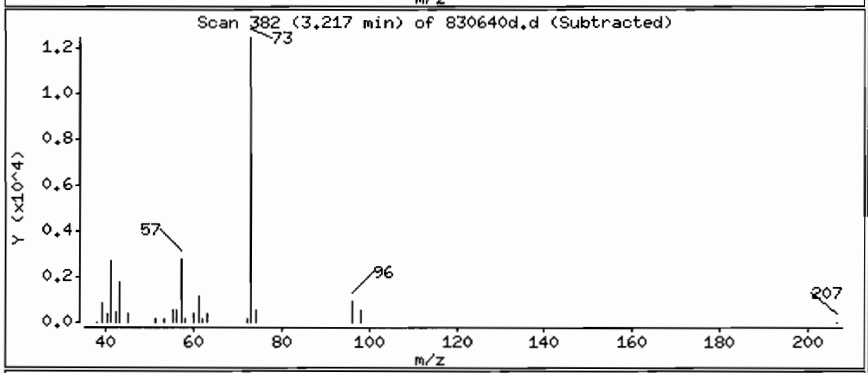
Column diameter: 0.53

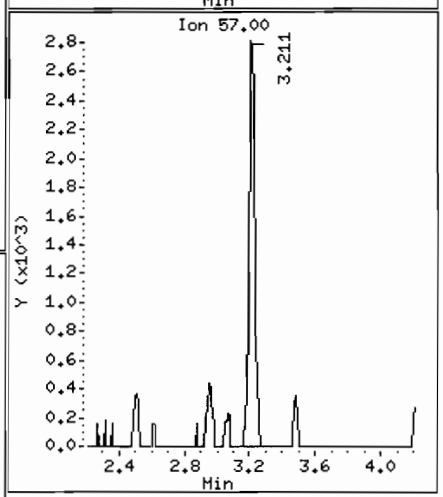
17 Methyl tert-butyl ether

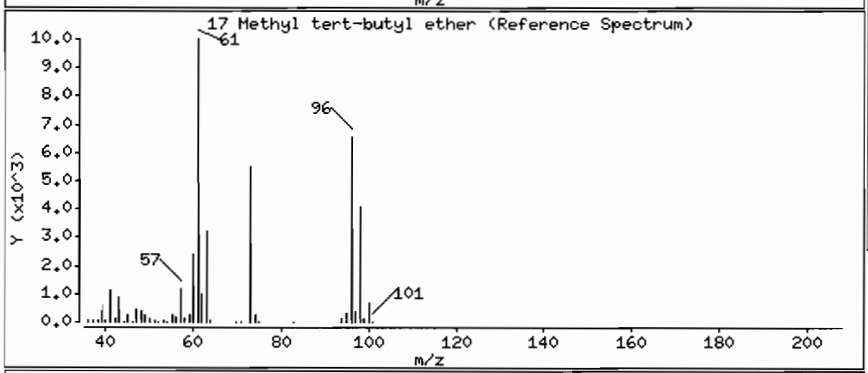
Concentration: 1.0 ug/L

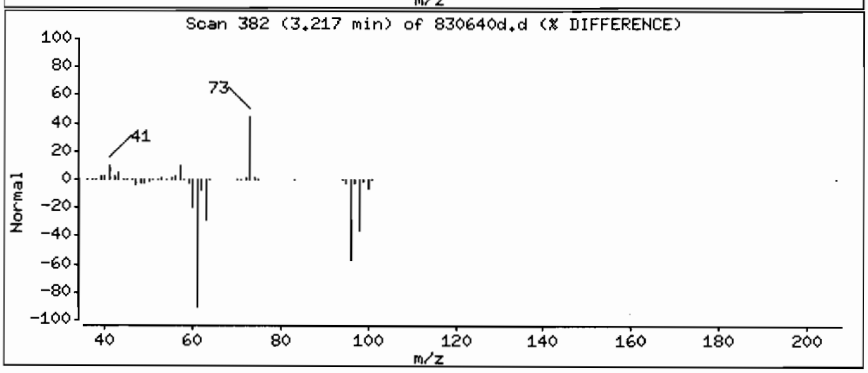












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[05/17/10 @1600(WATER)

Purge Volume: 25.0

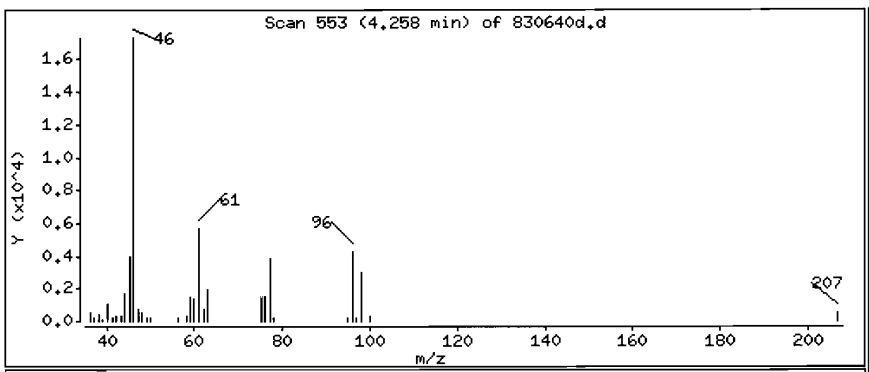
Operator: JH2

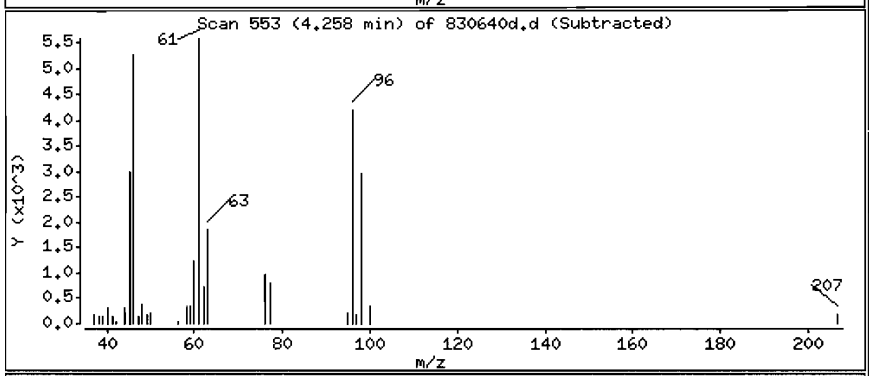
Column phase: DB-624

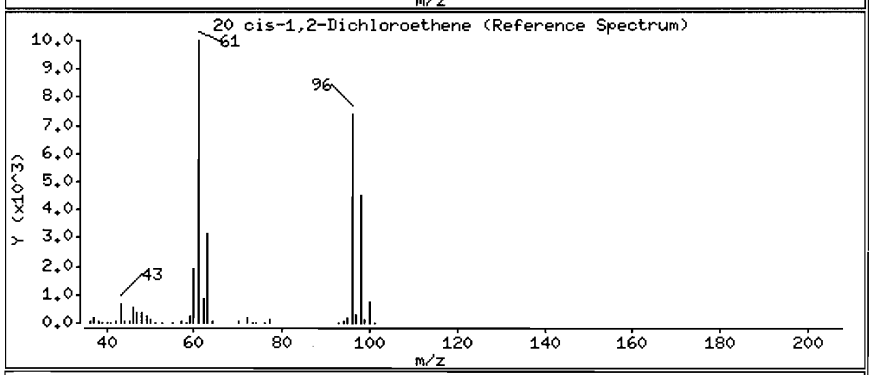
Column diameter: 0.53

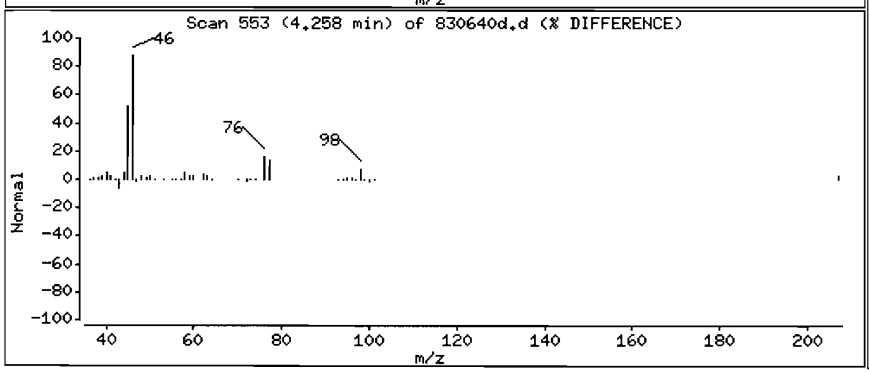
20 cis-1,2-Dichloroethene

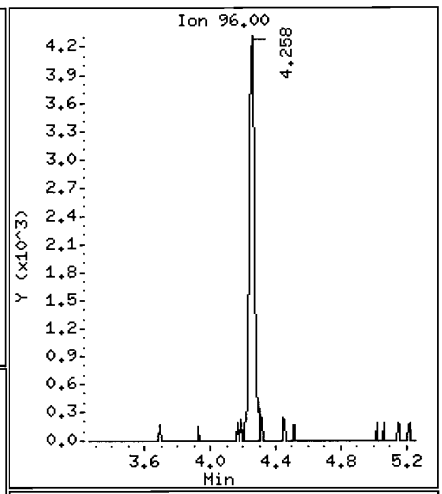
Concentration: 0.29 ug/L

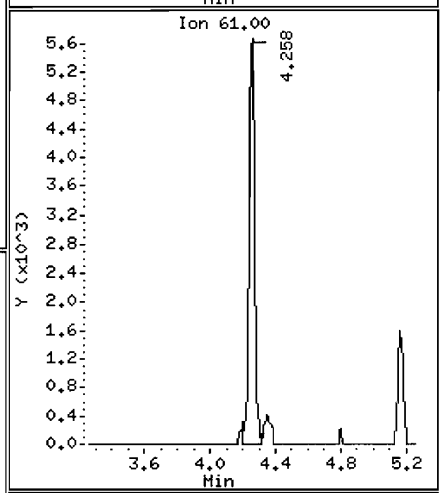


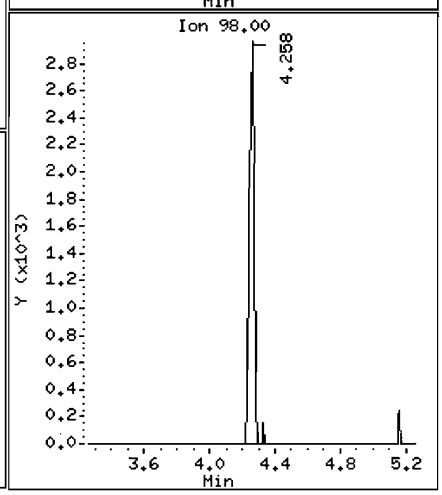












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

Purge Volume: 25.0

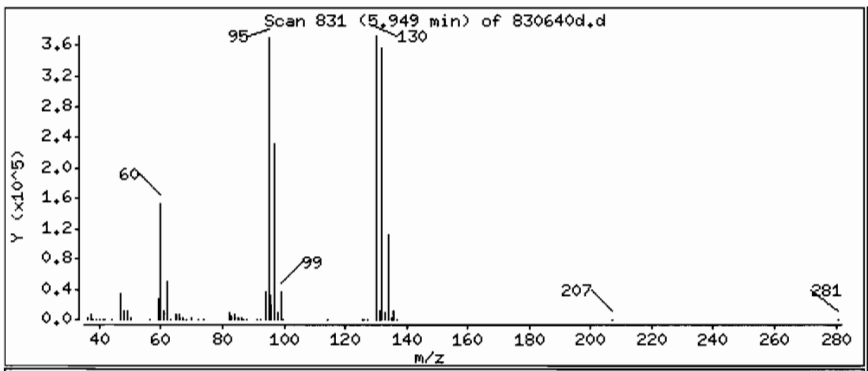
Operator: JH2

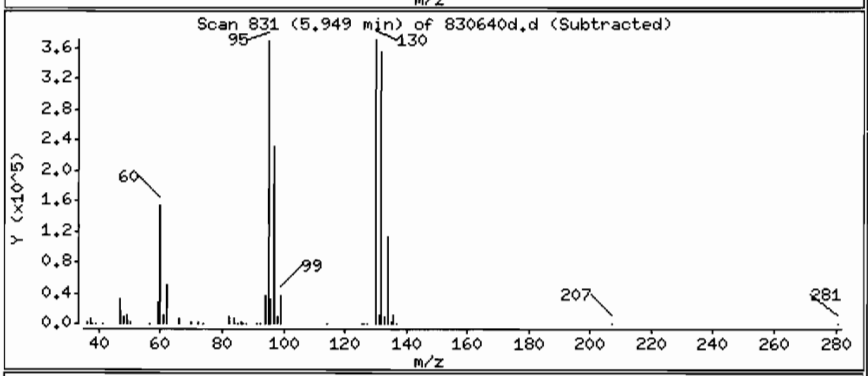
Column phase: DB-624

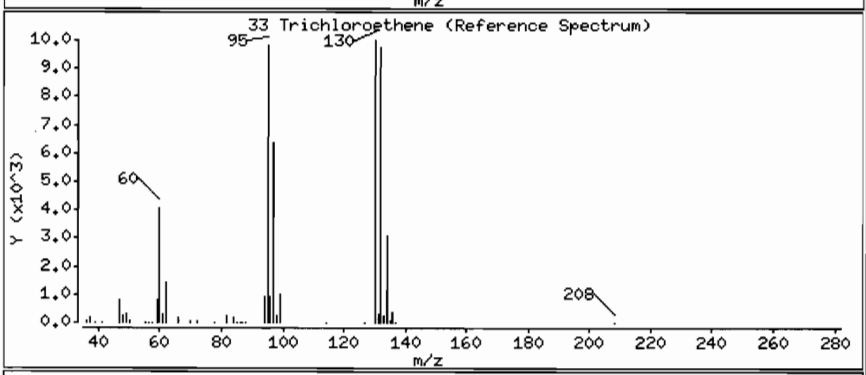
Column diameter: 0.53

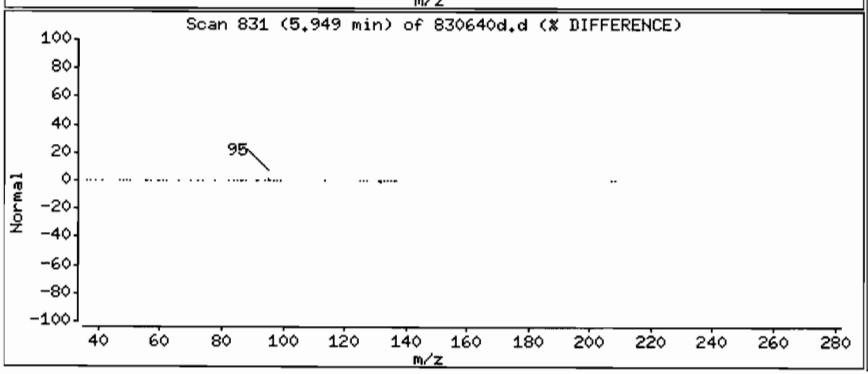
33 Trichloroethene

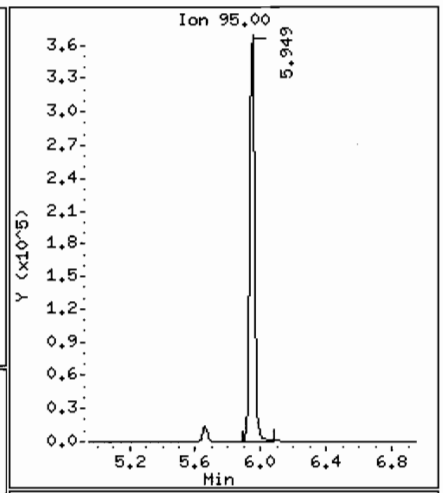
Concentration: 23 ug/L

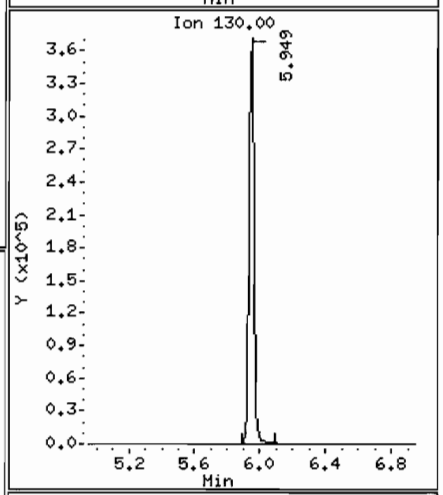


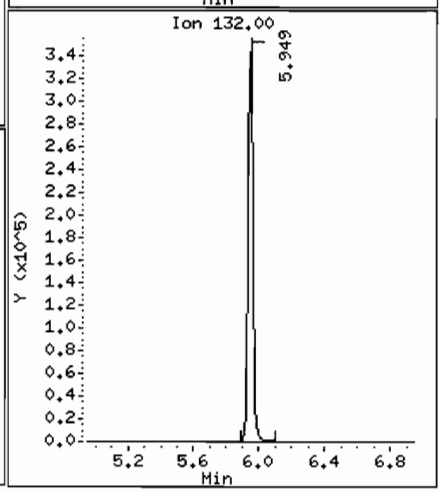












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[05/17/10 @1600(WATER)

Purge Volume: 25.0

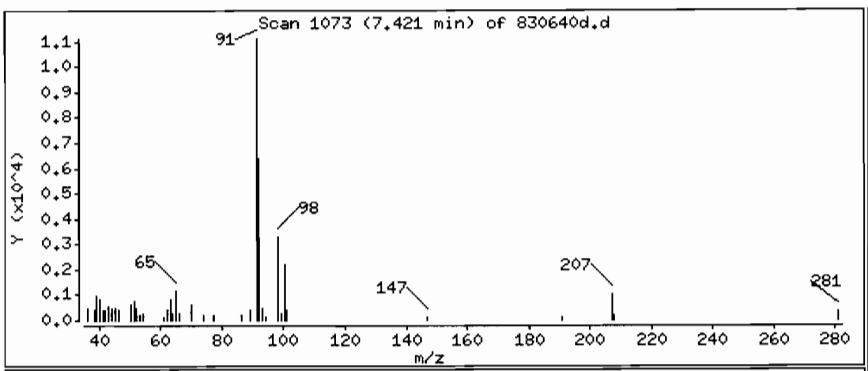
Operator: JH2

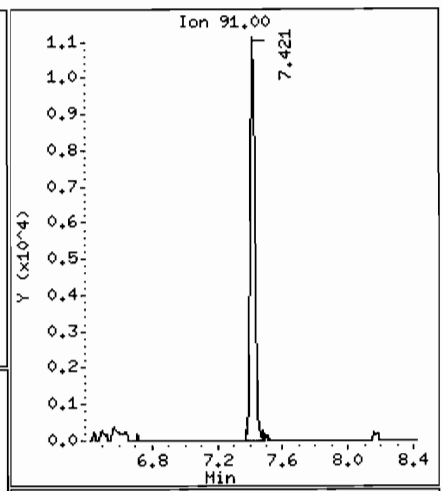
Column phase: DB-624

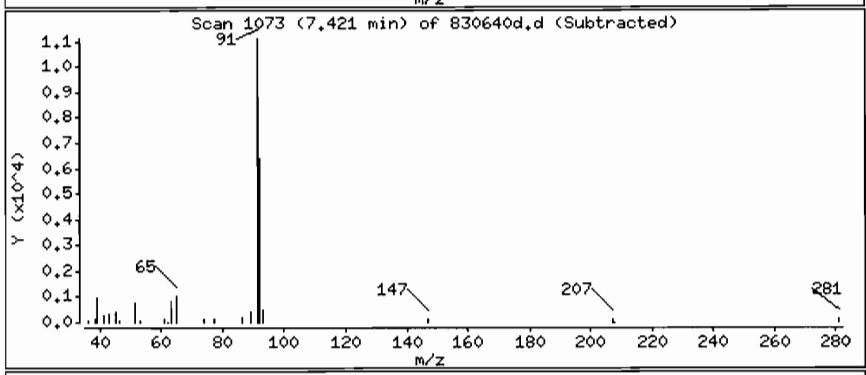
Column diameter: 0.53

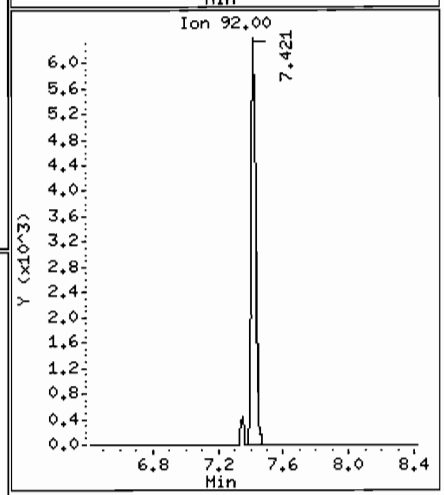
41 Toluene

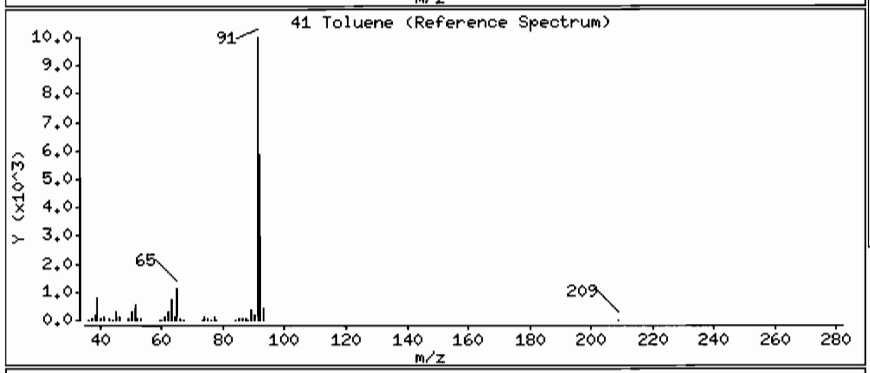
Concentration: 0.15 ug/L

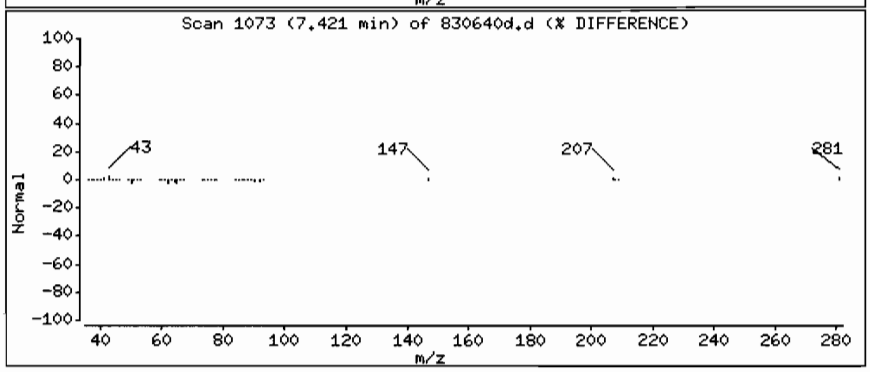












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[05/17/10 @1600(WATER)

Purge Volume: 25.0

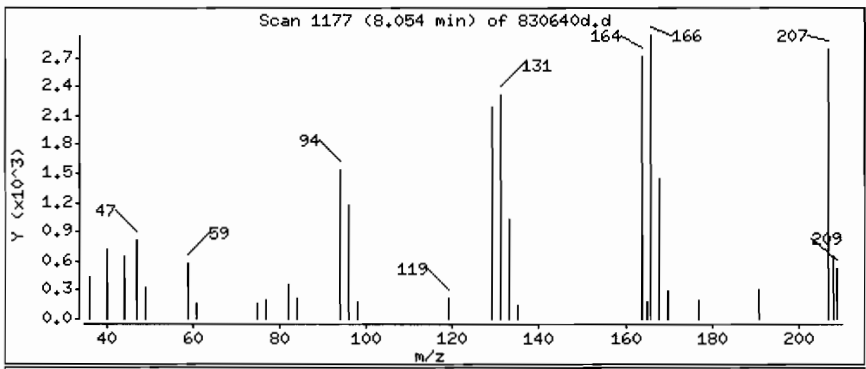
Operator: JH2

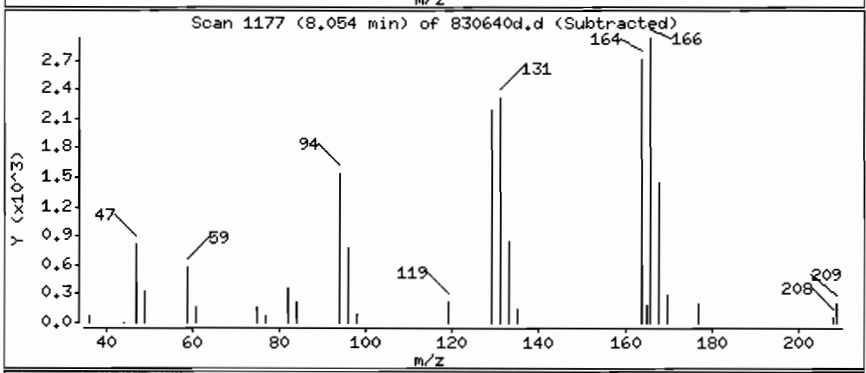
Column phase: DB-624

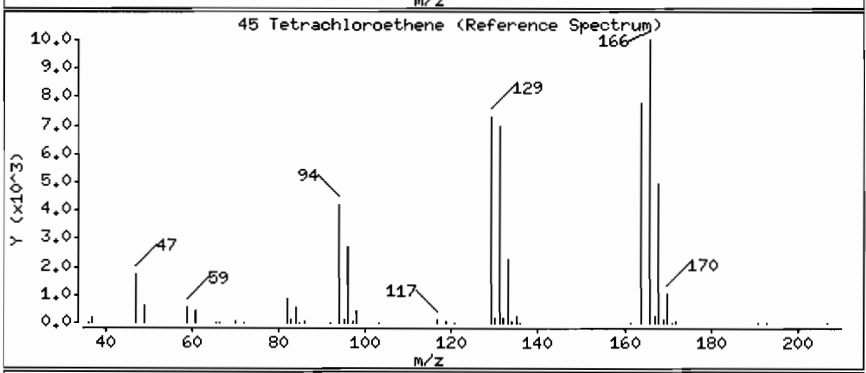
Column diameter: 0.53

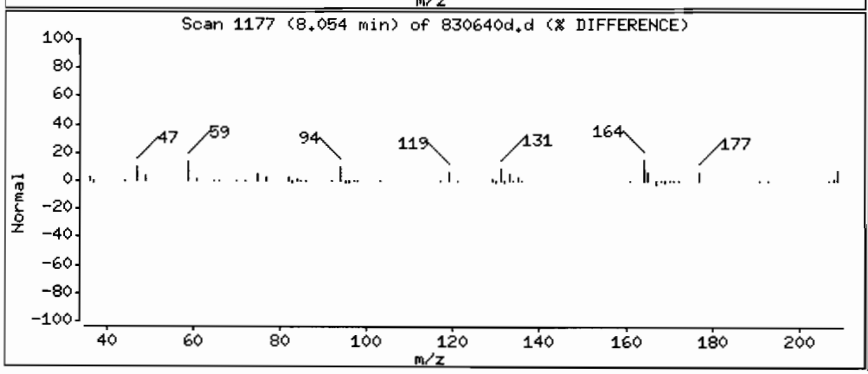
45 Tetrachloroethene

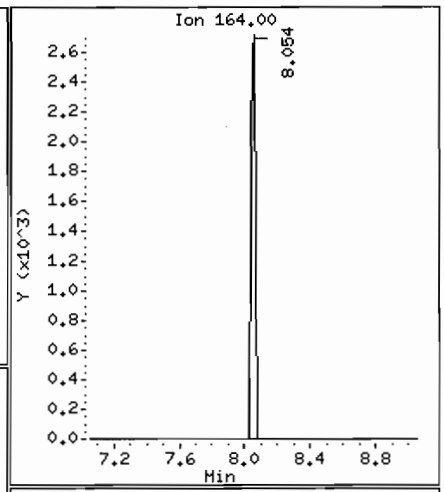
Concentration: 0.19 ug/L

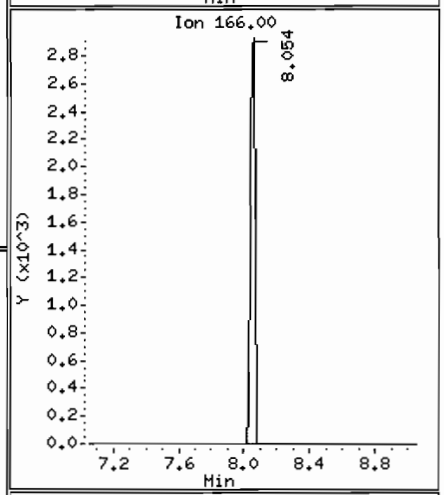


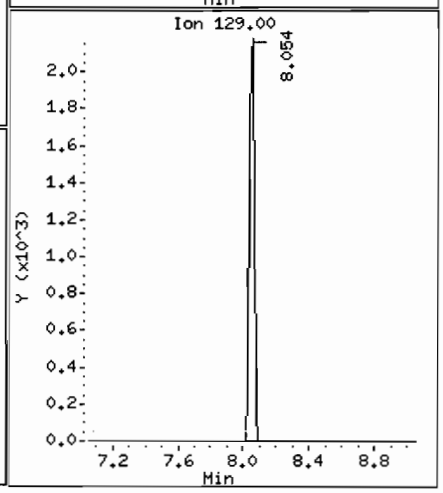












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

Purge Volume: 25.0

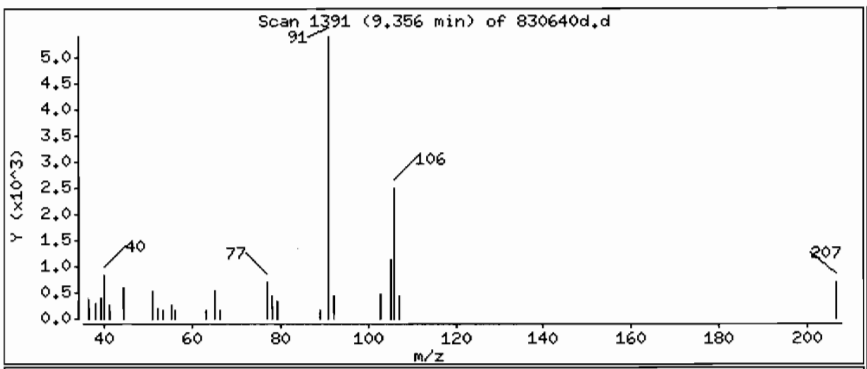
Operator: JH2

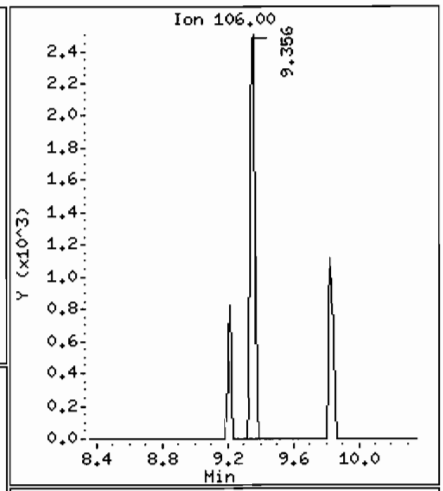
Column phase: DB-624

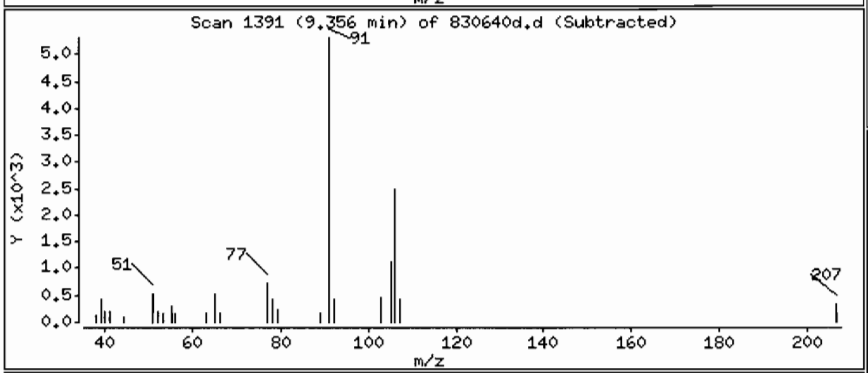
Column diameter: 0.53

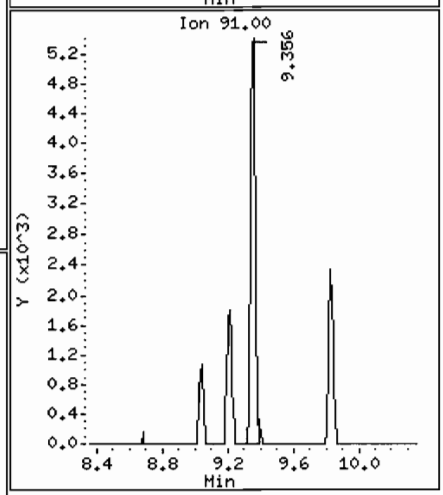
53 m,p-Xylene

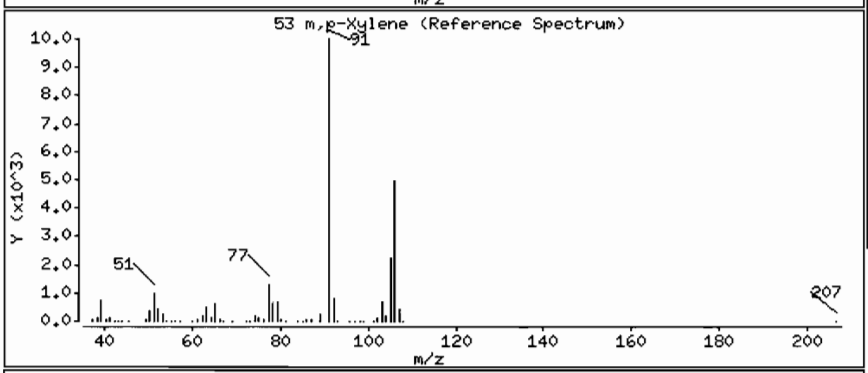
Concentration: 0.079 ug/L

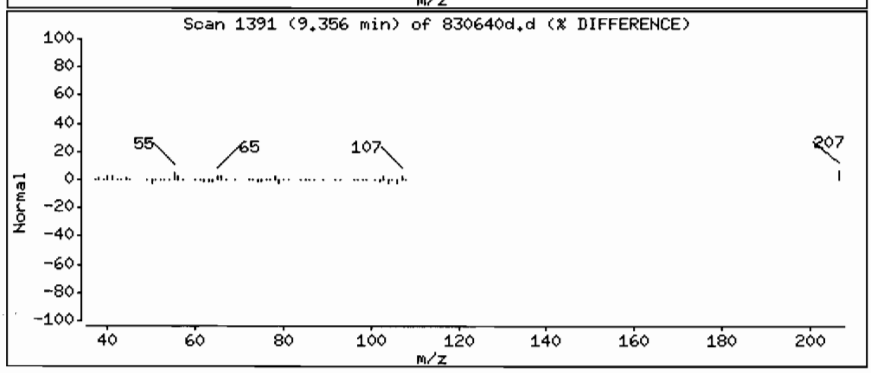












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830640d.d

Date : 25-MAY-2010 14:29

Client ID: ISCO MW01DL

Instrument: J.i

Sample Info: ISCO MW01 :[ ]05/17/10 @1600(WATER)

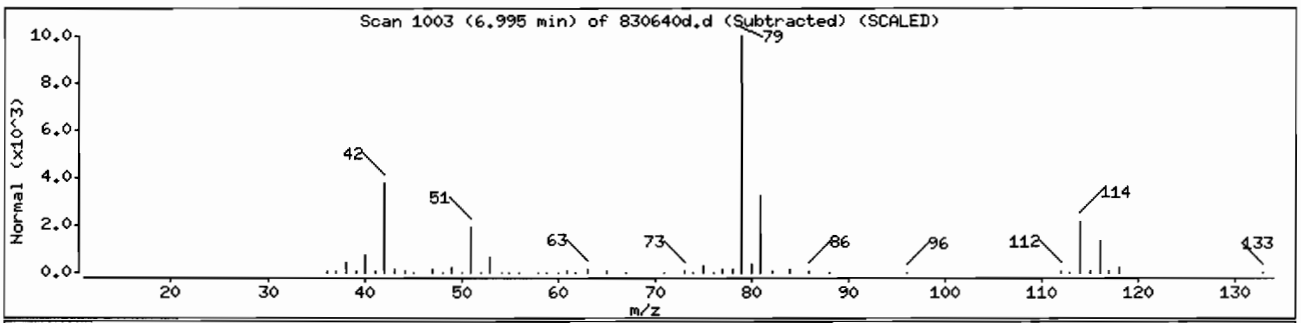
Purge Volume: 25.0

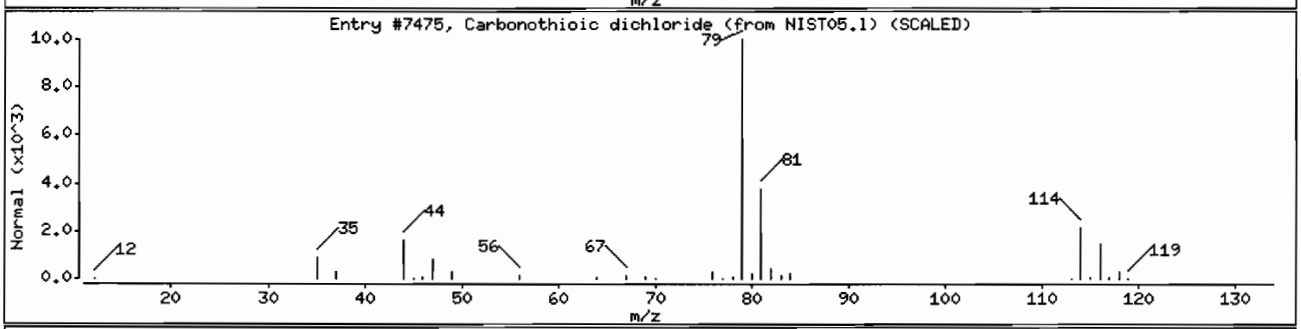
Operator: JH2

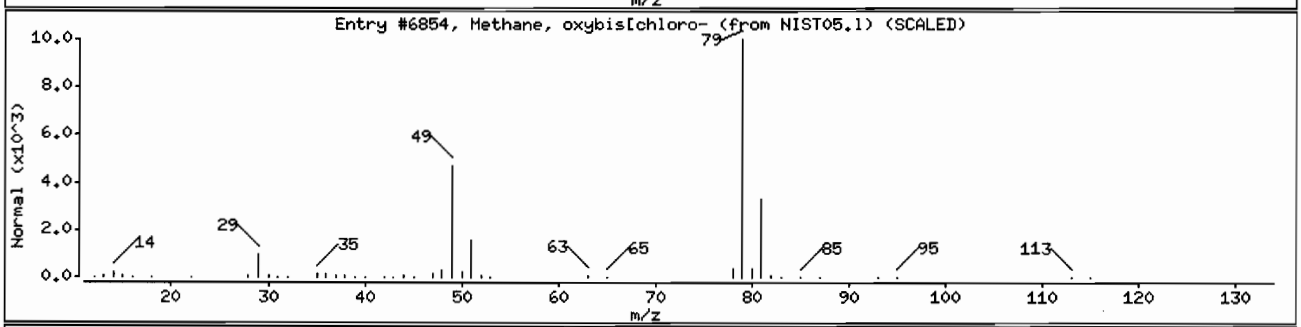
Column phase: DB-624

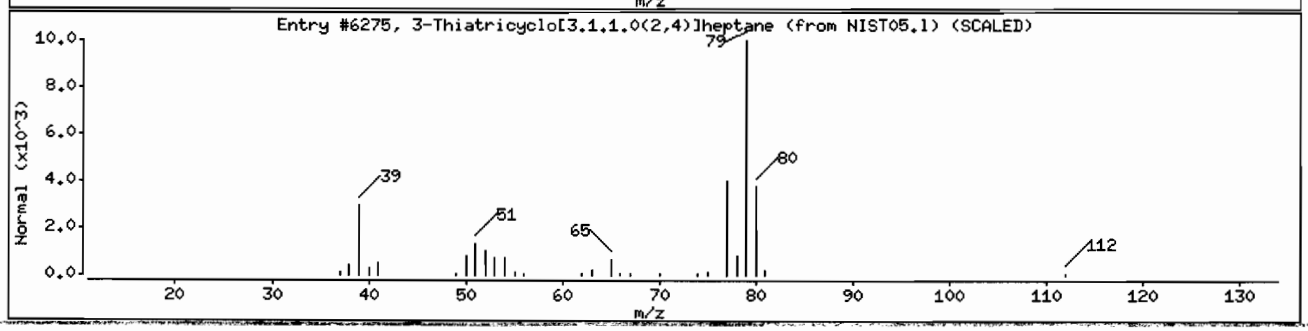
Column diameter: 0.53

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	6854	33	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	28	C6H8S	112









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO MW04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830641

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830641D2

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	1.2	U
74-87-3	Chloromethane	1.2	U
75-01-4	Vinyl chloride	1.2	U
74-83-9	Bromomethane	1.2	U
75-00-3	Chloroethane	1.2	U
75-69-4	Trichlorofluoromethane	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	U
67-64-1	Acetone	5.3	JB
75-15-0	Carbon disulfide	1.2	U
79-20-9	Methyl acetate	1.2	U
75-09-2	Methylene chloride	0.22	JB
156-60-5	trans-1,2-Dichloroethene	1.2	U
1634-04-4	Methyl tert-butyl ether	0.69	J
75-34-3	1,1-Dichloroethane	1.2	U
156-59-2	cis-1,2-Dichloroethene	2.7	
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	1.2	U
67-66-3	Chloroform	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
110-82-7	Cyclohexane	1.2	U
56-23-5	Carbon tetrachloride	1.2	U
71-43-2	Benzene	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO MW04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830641

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830641D2

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	390	E
108-87-2	Methylcyclohexane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
75-27-4	Bromodichloromethane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
127-18-4	Tetrachloroethene	2.7	
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	1.2	U
106-93-4	1,2-Dibromoethane	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
95-47-6	o-Xylene	1.2	U
179601-23-1	m,p-Xylene	1.2	U
100-42-5	Styrene	1.2	U
75-25-2	Bromoform	1.2	U
98-82-8	Isopropylbenzene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
541-73-1	1,3-Dichlorobenzene	1.2	U
106-46-7	1,4-Dichlorobenzene	1.2	U
95-50-1	1,2-Dichlorobenzene	1.2	U
96-12-8	1,2-Dibromo-3-chloropropane	1.2	U
120-82-1	1,2,4-Trichlorobenzene	1.2	U
87-61-6	1,2,3-Trichlorobenzene	1.2	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO MW04

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830641

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830641D2

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

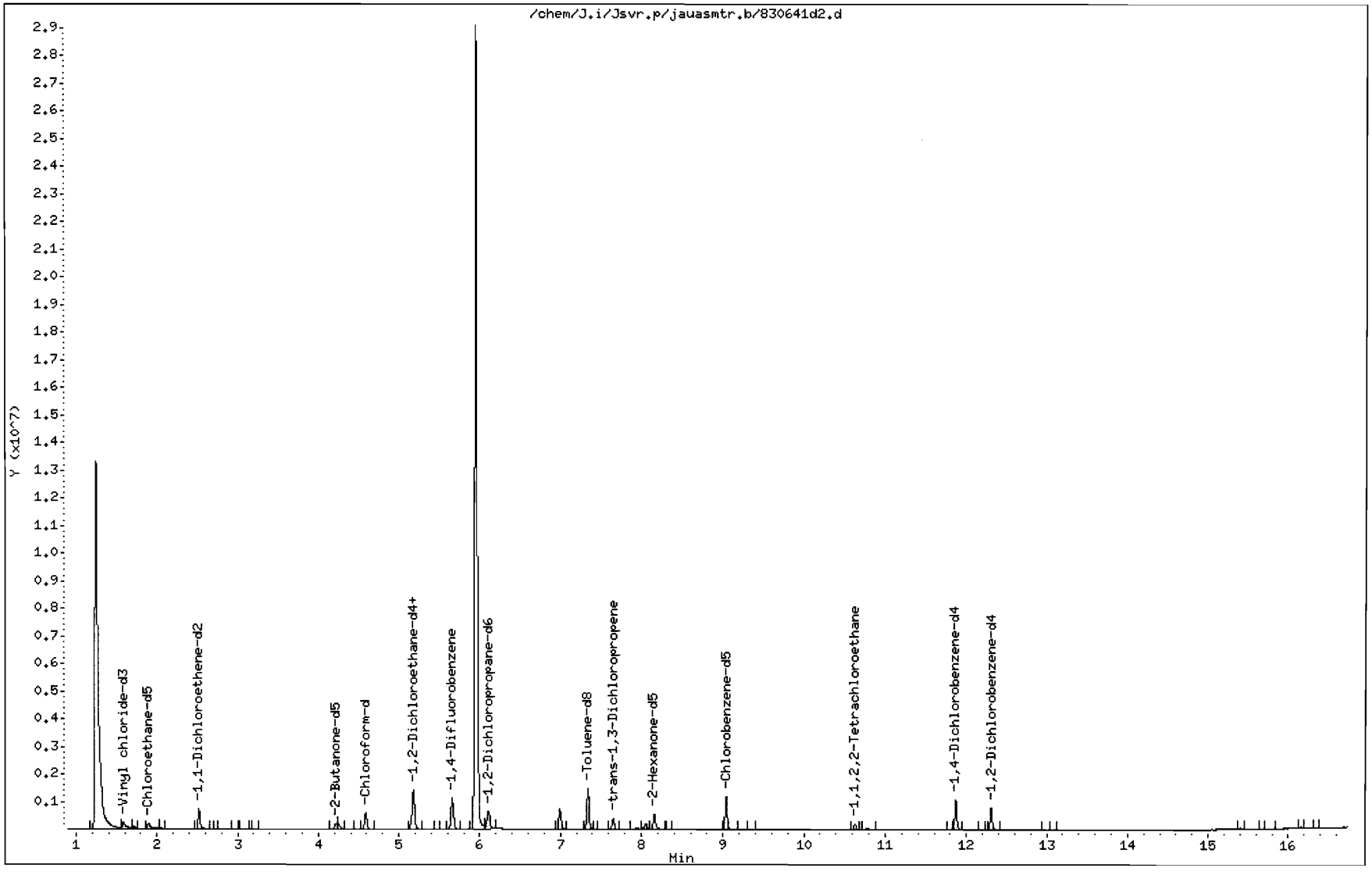
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	7.0	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d
Date : 25-MAY-2010 21:39
Client ID: ISCO MW04
Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d
Lab Smp Id: 830641 Client Smp ID: ISCO MW04
Inj Date : 25-MAY-2010 21:39
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW04 :[ ]05/17/10 @0930(WATER)
Misc Info : 830641,052510JW,2.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 3
Dil Factor: 2.30000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.30000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	414389	4.92783	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	325773	5.20380	5.2
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	535727	3.99114	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	2.585	2.584	(0.457)	6593	2.32356	5.3(a)
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	Methylene chloride	84	2.962	2.962	(0.524)	5625	0.09510	0.22(a)
16	trans-1,2-Dichloroethene	96	Compound Not Detected.					
17	Methyl tert-butyl ether	73	3.217	3.217	(0.569)	16849	0.30096	0.69(a)
18	1,1-Dichloroethane	63	Compound Not Detected.					
$ 19	2-Butanone-d5	46	4.221	4.221	(0.746)	316757	61.3464	61
20	cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	76170	1.19463	2.7
21	2-Butanone	43	Compound Not Detected.					
22	Bromochloromethane	128	Compound Not Detected.					
$ 23	Chloroform-d	84	4.586	4.592	(0.811)	549009	5.11338	5.1
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	5.164	5.164	(0.913)	179952	5.27907	5.3
$ 29	Benzene-d6	84	5.182	5.182	(0.573)	1379926	5.33437	5.3
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1035764	5.00000	
33	Trichloroethene	95	5.949	5.943	(0.658)	11297289	171.501	390(A)
$ 34	1,2-Dichloropropane-d6	67	6.107	6.101	(0.676)	345621	5.15245	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	7.342	7.342	(0.812)	1146555	4.92118	4.9
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	248728	5.22401	5.2
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	8.054	8.054	(0.891)	59055	1.15328	2.7
$ 46	2-Hexanone-d5	63	8.157	8.157	(0.902)	243394	57.6021	58
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	9.039	9.039	(1.000)	777016	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	119031	5.58540	5.6
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.868	11.874	(1.000)	326612	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	239727	5.05798	5.1(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).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d
Lab Smp Id: 830641 Client Smp ID: ISCO MW04
Inj Date : 25-MAY-2010 21:39
Operator : JP1 Inst ID: J.i
Smp Info : ISCO MW04 :[ ]05/17/10 @0930(WATER)
Misc Info : 830641,052510JW,2.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 3
Dil Factor: 2.30000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.30000	Dilution Factor
X	25.00000	method volume 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	5.657	2348775	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
6.995	1436486	3.05794621	7.0	0		0	32

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d

Date : 25-MAY-2010 21:39

Client ID: ISCO MW04

Instrument: J.i

Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)

Purge Volume: 25.0

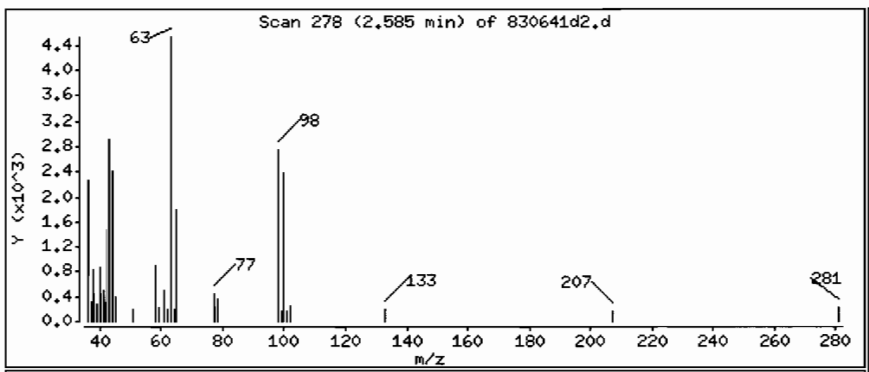
Operator: JP1

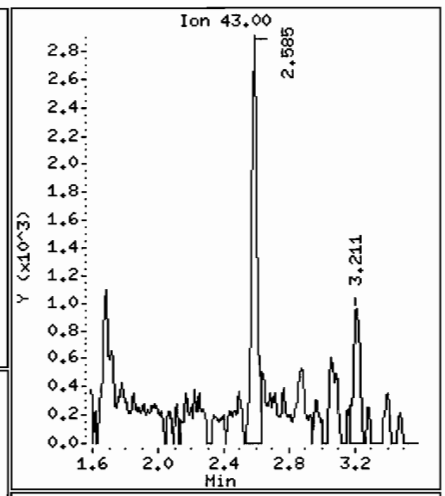
Column phase: DB-624

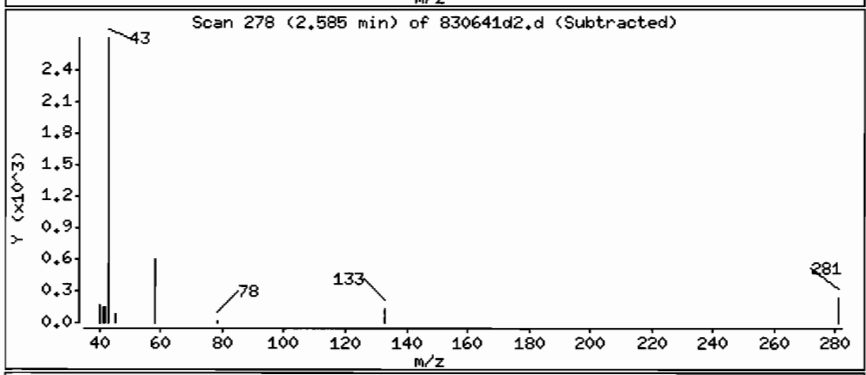
Column diameter: 0.53

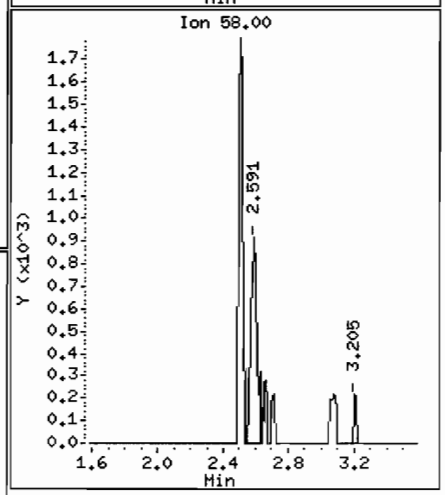
12 Acetone

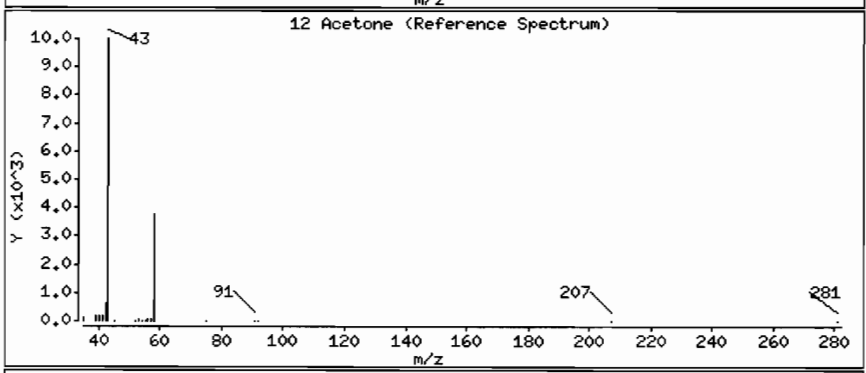
Concentration: 5.3 ug/L

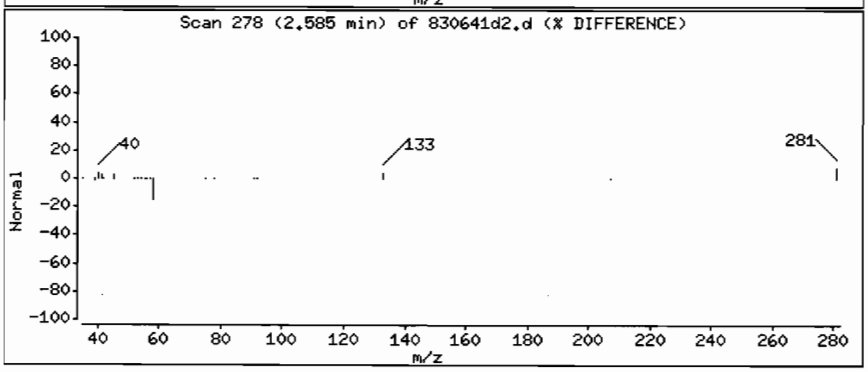












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d

Date : 25-MAY-2010 21:39

Client ID: ISCO MW04

Instrument: J.i

Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)

Purge Volume: 25.0

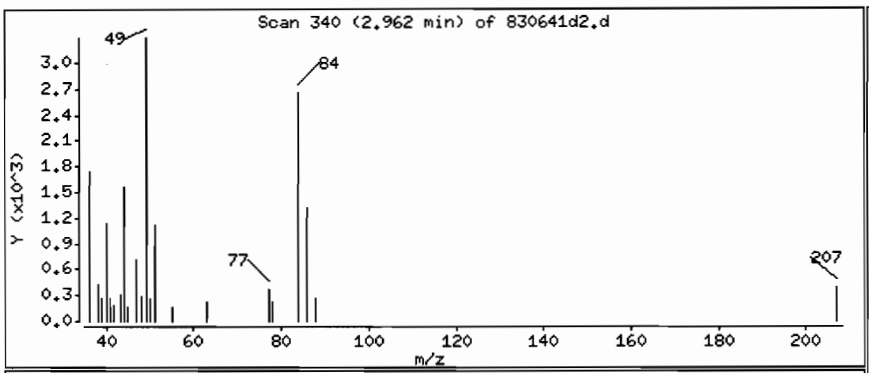
Operator: JP1

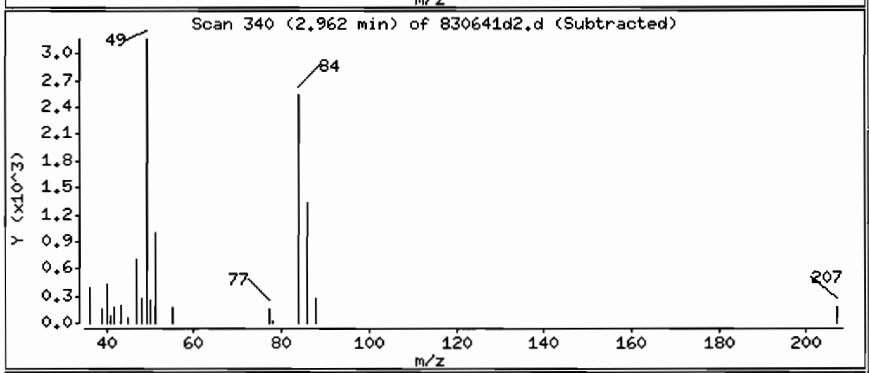
Column phase: DB-624

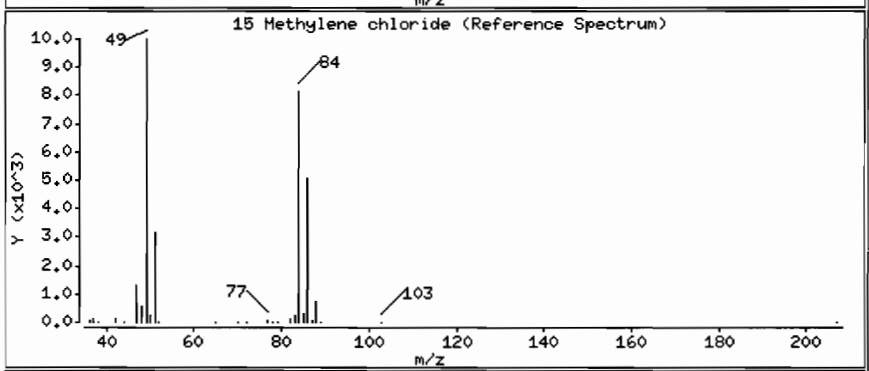
Column diameter: 0.53

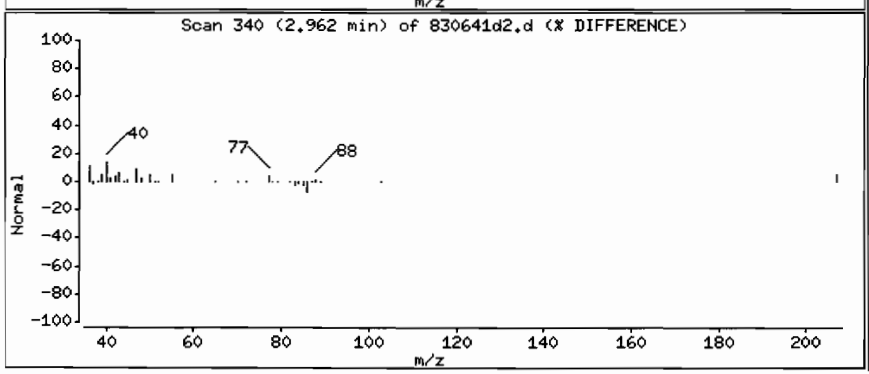
15 Methylene chloride

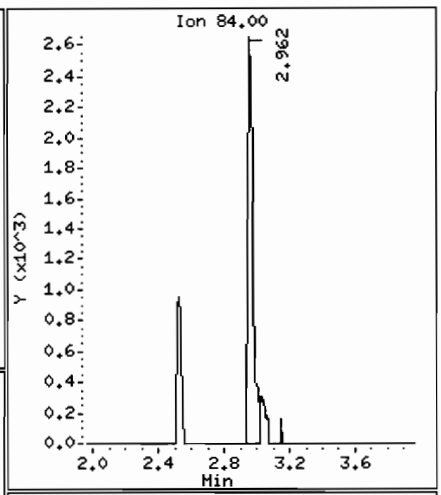
Concentration: 0.22 ug/L

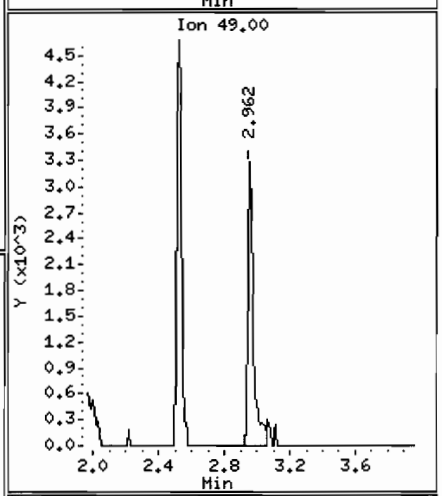


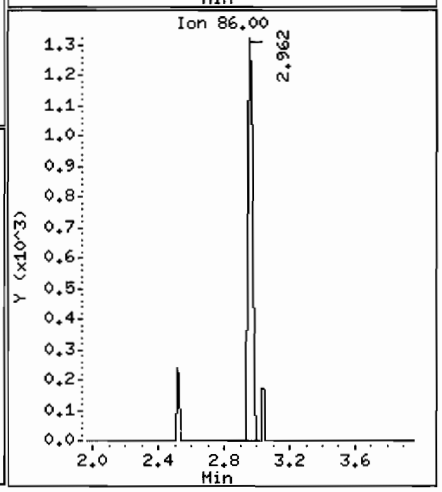












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d

Date : 25-MAY-2010 21:39

Client ID: ISCO MW04

Instrument: J.i

Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)

Purge Volume: 25.0

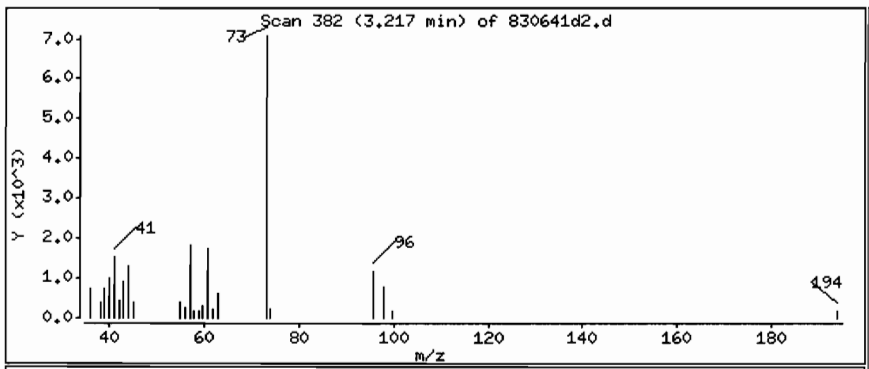
Operator: JP1

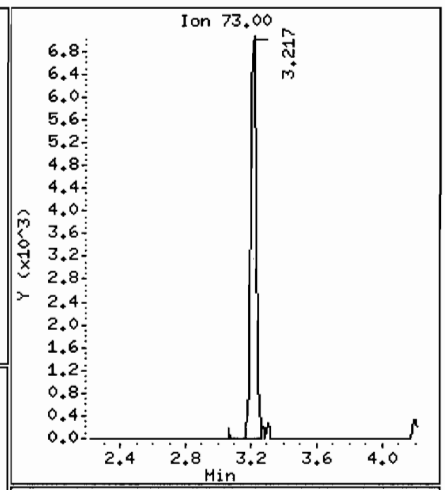
Column phase: DB-624

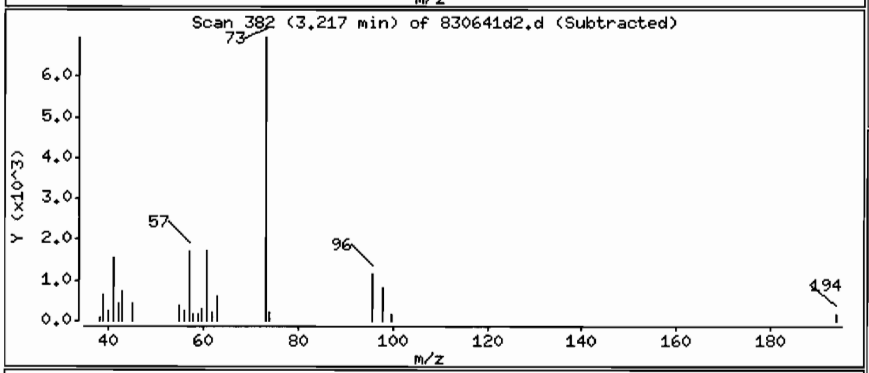
Column diameter: 0.53

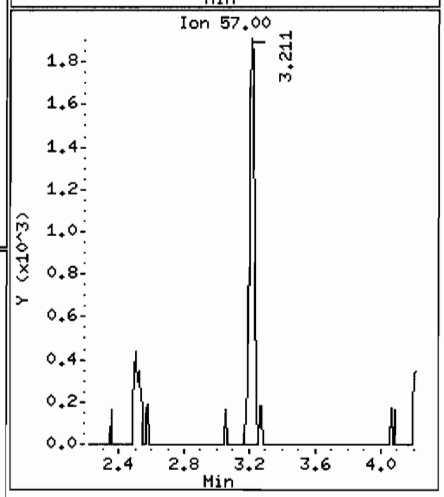
17 Methyl tert-butyl ether

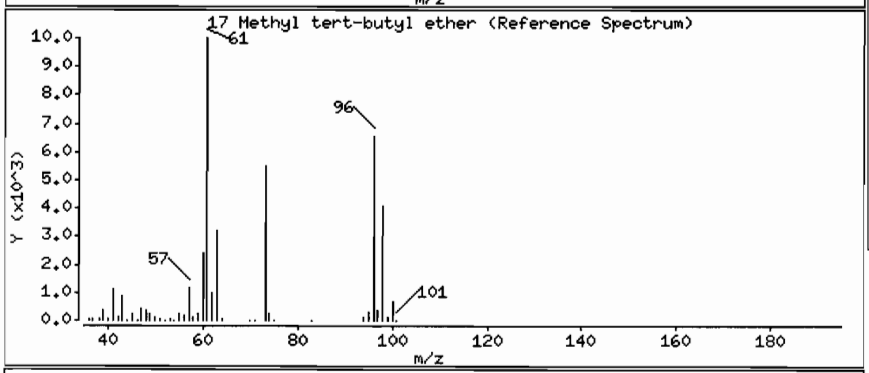
Concentration: 0.69 ug/L

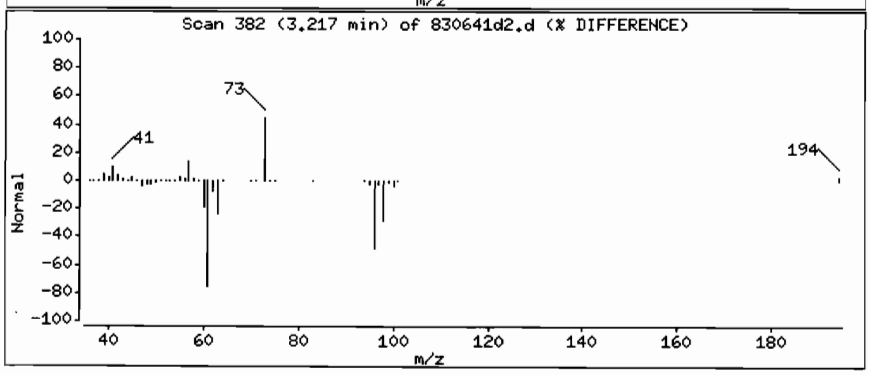












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d

Date : 25-MAY-2010 21:39

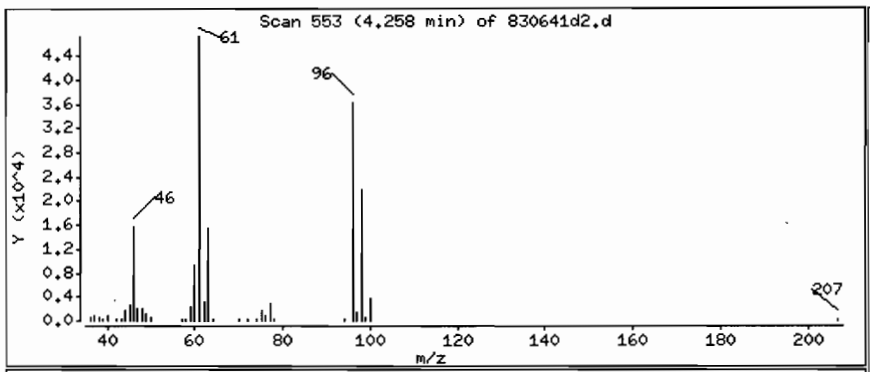
Client ID: ISCO MW04 Instrument: J.i

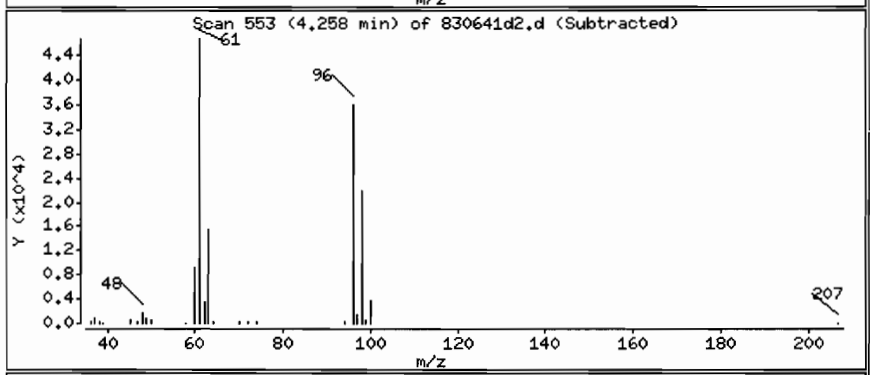
Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)

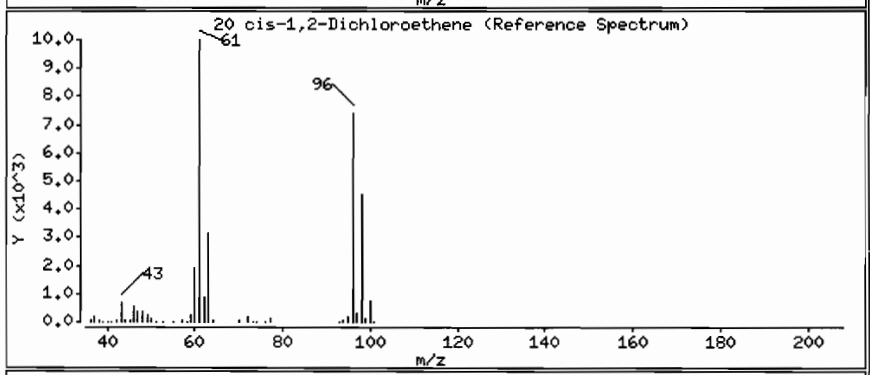
Purge Volume: 25.0 Operator: JP1

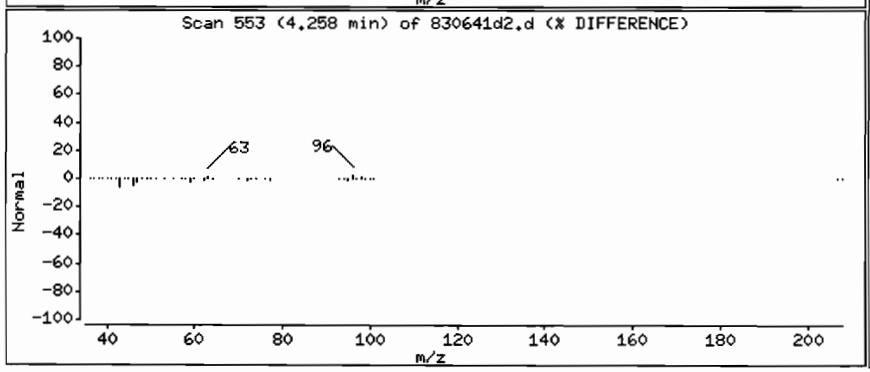
Column phase: DB-624 Column diameter: 0.53

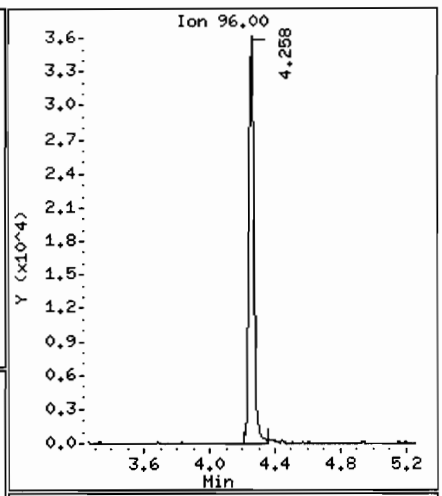
20 cis-1,2-Dichloroethene Concentration: 2.7 ug/L

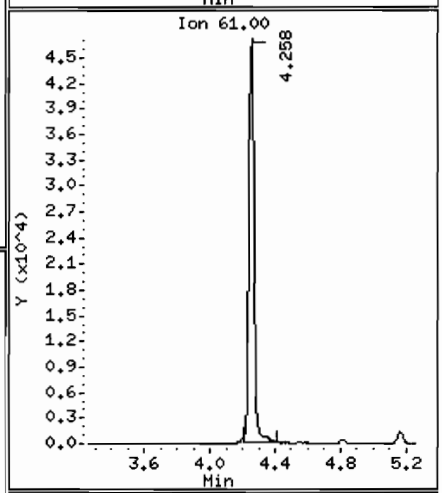


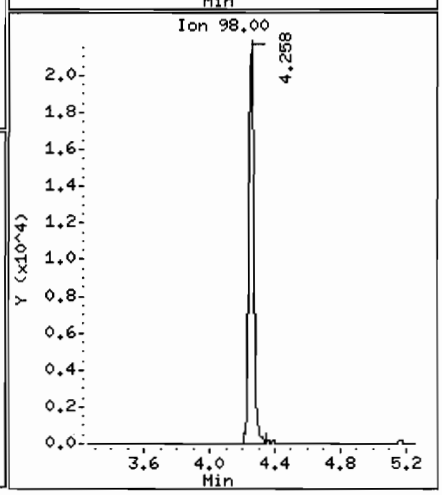












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d

Date : 25-MAY-2010 21:39

Client ID: ISCO MW04

Instrument: J.i

Sample Info: ISCO MW04 :[J05/17/10 @0930(WATER)

Purge Volume: 25.0

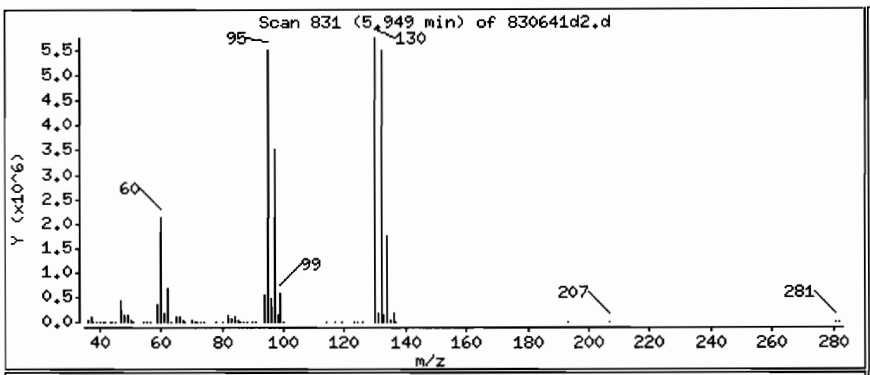
Operator: JP1

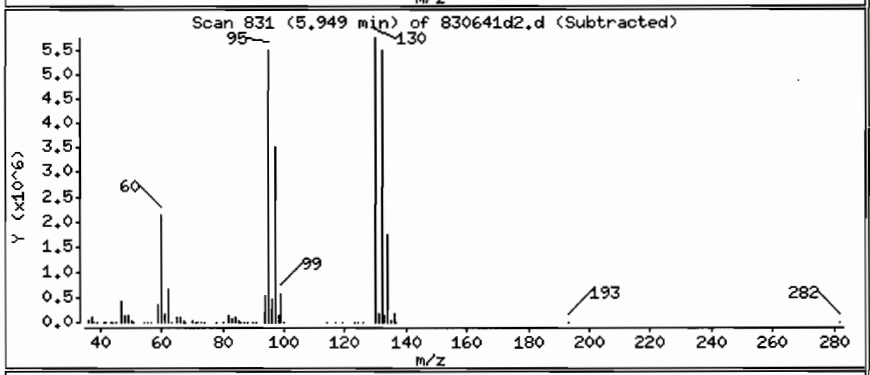
Column phase: DB-624

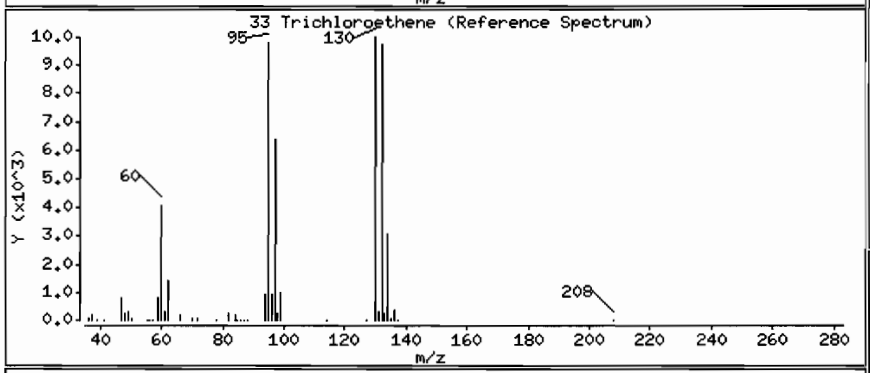
Column diameter: 0.53

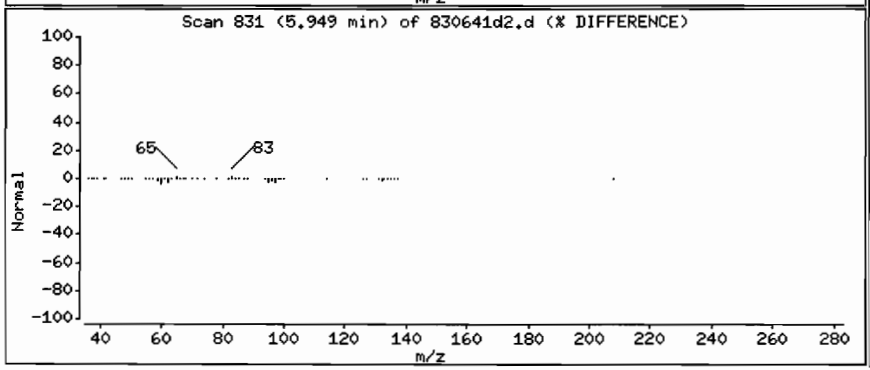
33 Trichloroethene

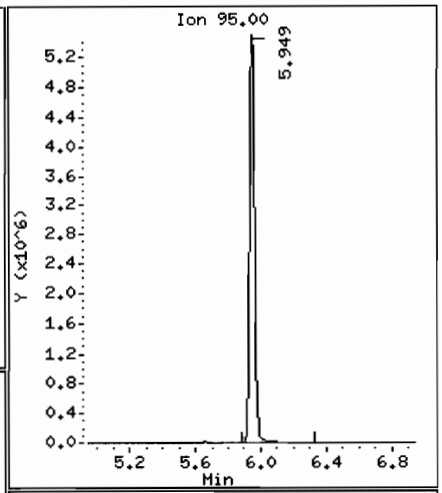
Concentration: 390 ug/L

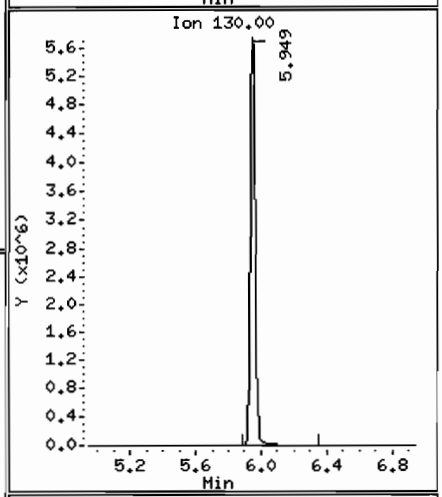


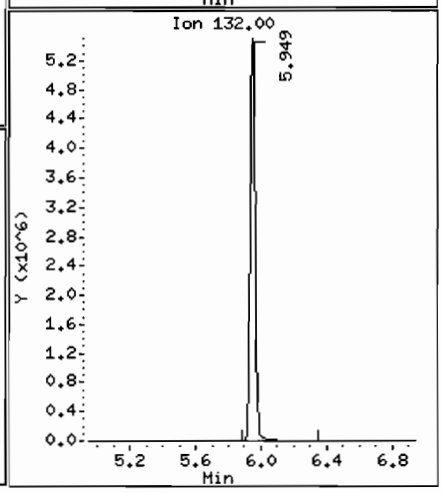












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d

Date : 25-MAY-2010 21:39

Client ID: ISCO MW04

Instrument: J.i

Sample Info: ISCO MW04 :[J05/17/10 @0930(WATER)

Purge Volume: 25.0

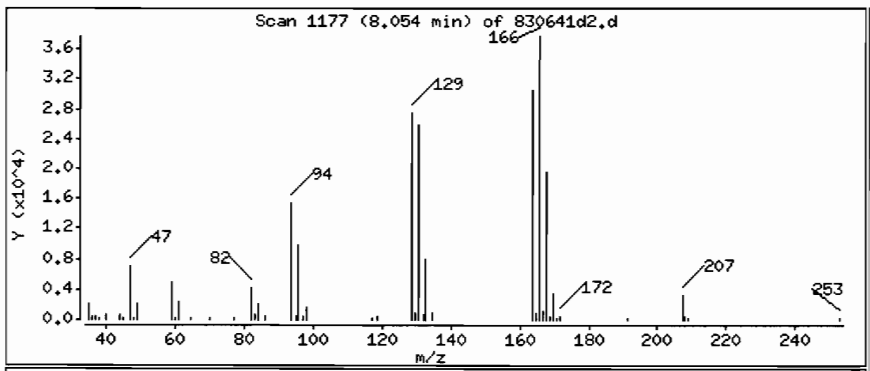
Operator: JP1

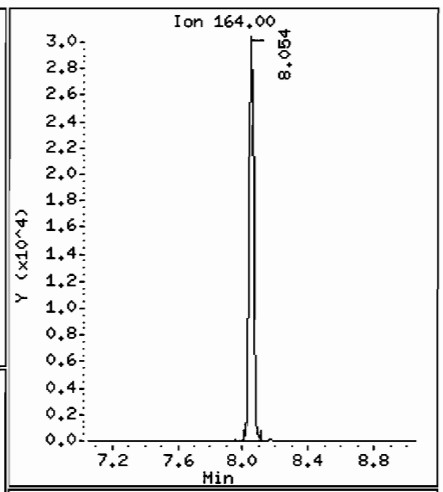
Column phase: DB-624

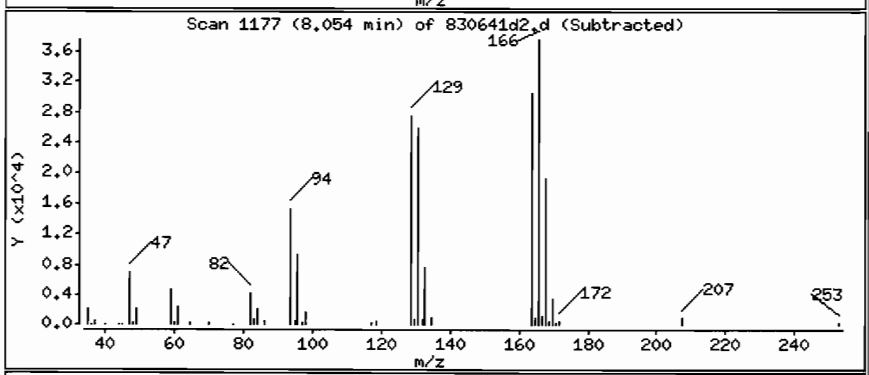
Column diameter: 0.53

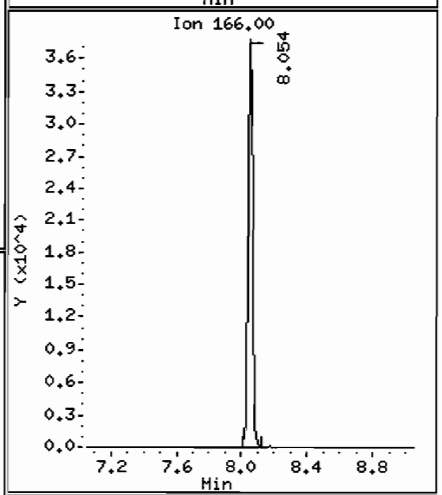
45 Tetrachloroethene

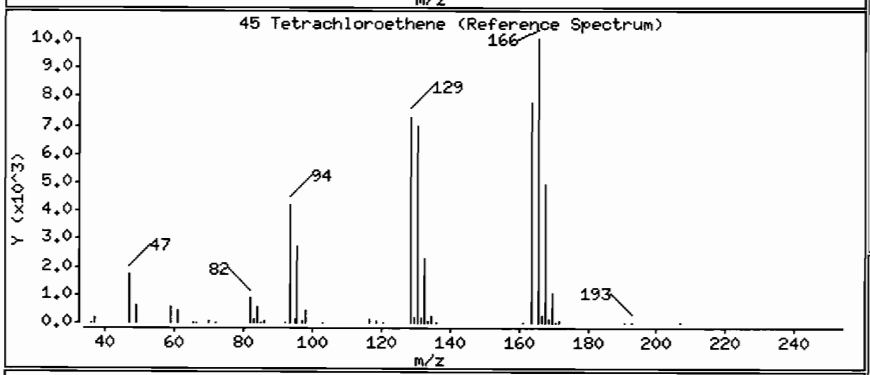
Concentration: 2.7 ug/L

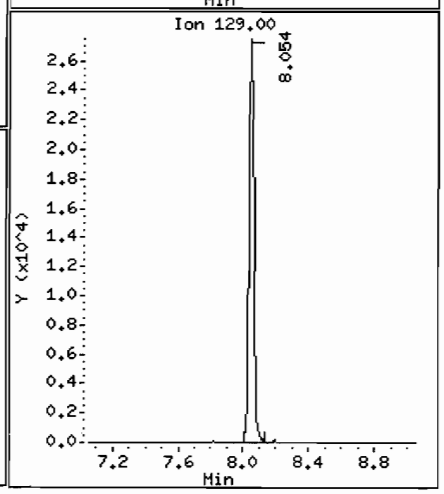


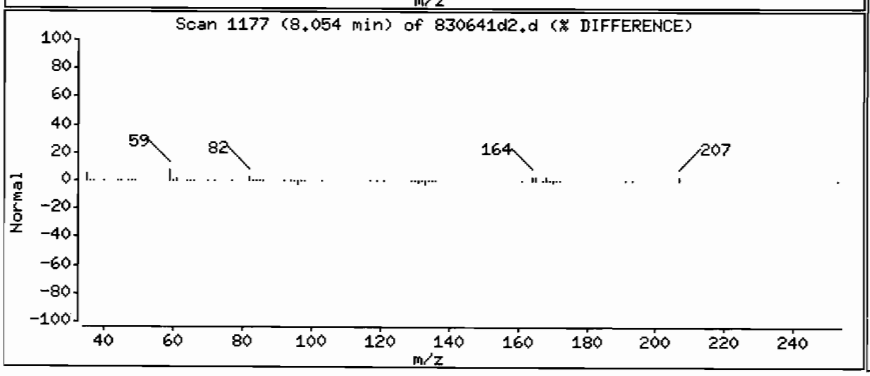












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/830641d2.d

Date : 25-MAY-2010 21:39

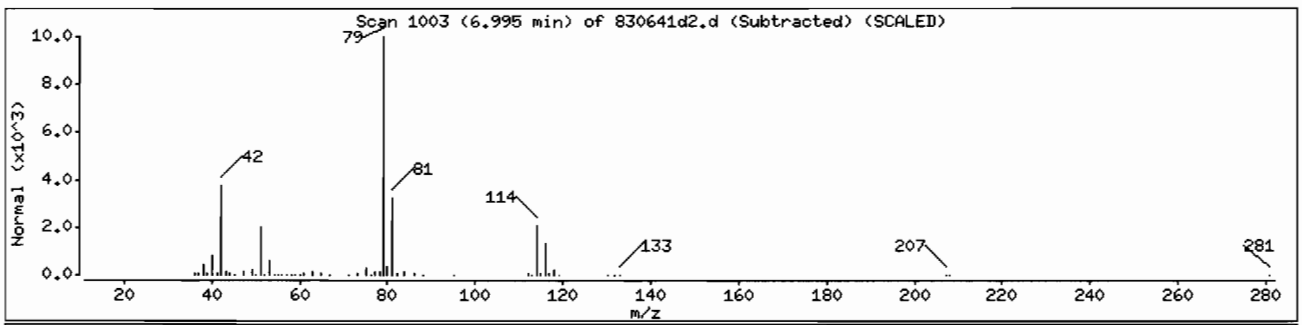
Client ID: ISCO MW04 Instrument: J.i

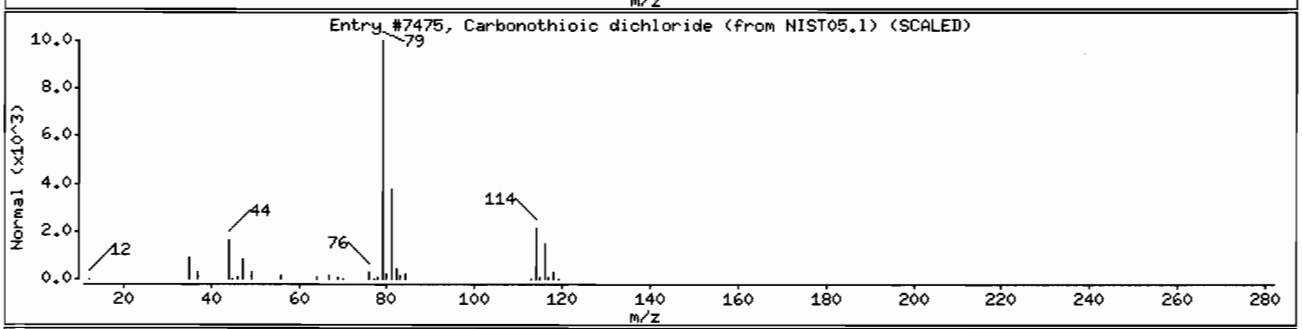
Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)

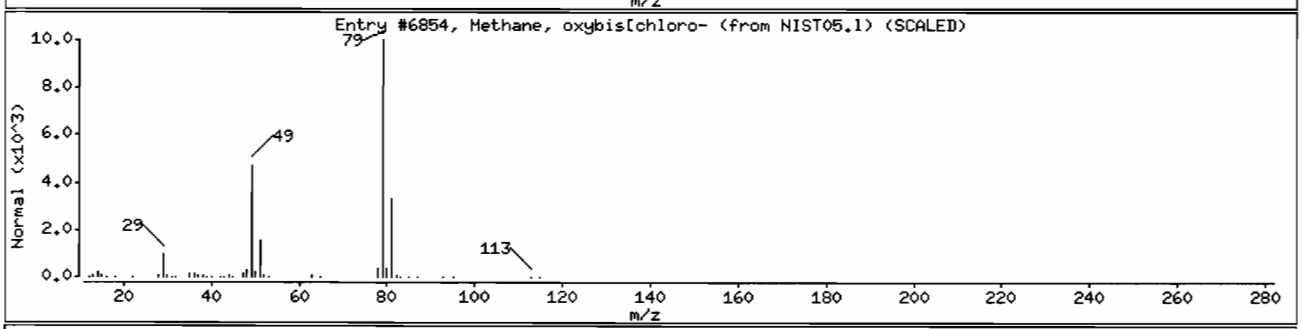
Purge Volume: 25.0 Operator: JP1

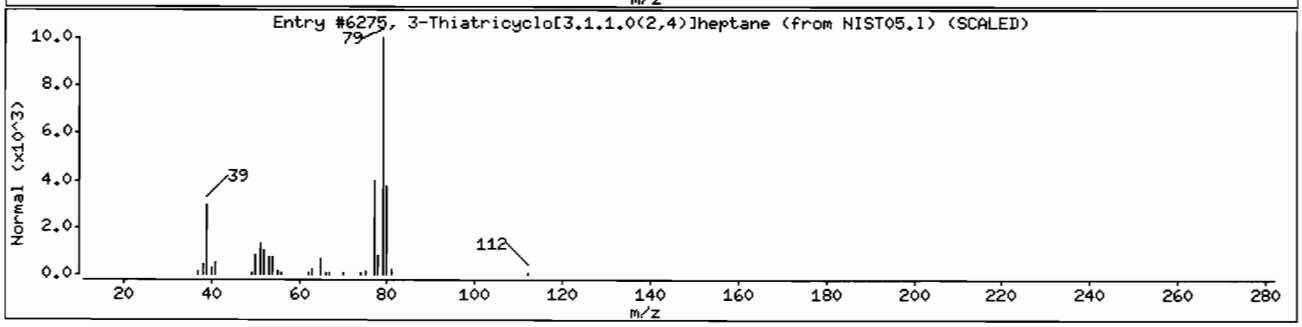
Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	58	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	33	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	9	C6H8S	112









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO MW04DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830641D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830641D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 29.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U
67-64-1	Acetone	51	DJB
75-15-0	Carbon disulfide	15	U
79-20-9	Methyl acetate	15	U
75-09-2	Methylene chloride	3.0	DJB
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl tert-butyl ether	15	U
75-34-3	1,1-Dichloroethane	15	U
156-59-2	cis-1,2-Dichloroethene	3.1	DJ
78-93-3	2-Butanone	150	U
74-97-5	Bromochloromethane	15	U
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
110-82-7	Cyclohexane	15	U
56-23-5	Carbon tetrachloride	15	U
71-43-2	Benzene	15	U
107-06-2	1,2-Dichloroethane	15	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ISCO MW04DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830641D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830641D

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 29.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	410	D
108-87-2	Methylcyclohexane	15	U
78-87-5	1,2-Dichloropropane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-pentanone	150	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U
127-18-4	Tetrachloroethene	3.0	DJ
591-78-6	2-Hexanone	150	U
124-48-1	Dibromochloromethane	15	U
106-93-4	1,2-Dibromoethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
95-47-6	o-Xylene	15	U
179601-23-1	m,p-Xylene	15	U
100-42-5	Styrene	15	U
75-25-2	Bromoform	15	U
98-82-8	Isopropylbenzene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U
87-61-6	1,2,3-Trichlorobenzene	15	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ISCO MW04DL

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830641D1

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830641D

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 29.3

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	94	JXBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

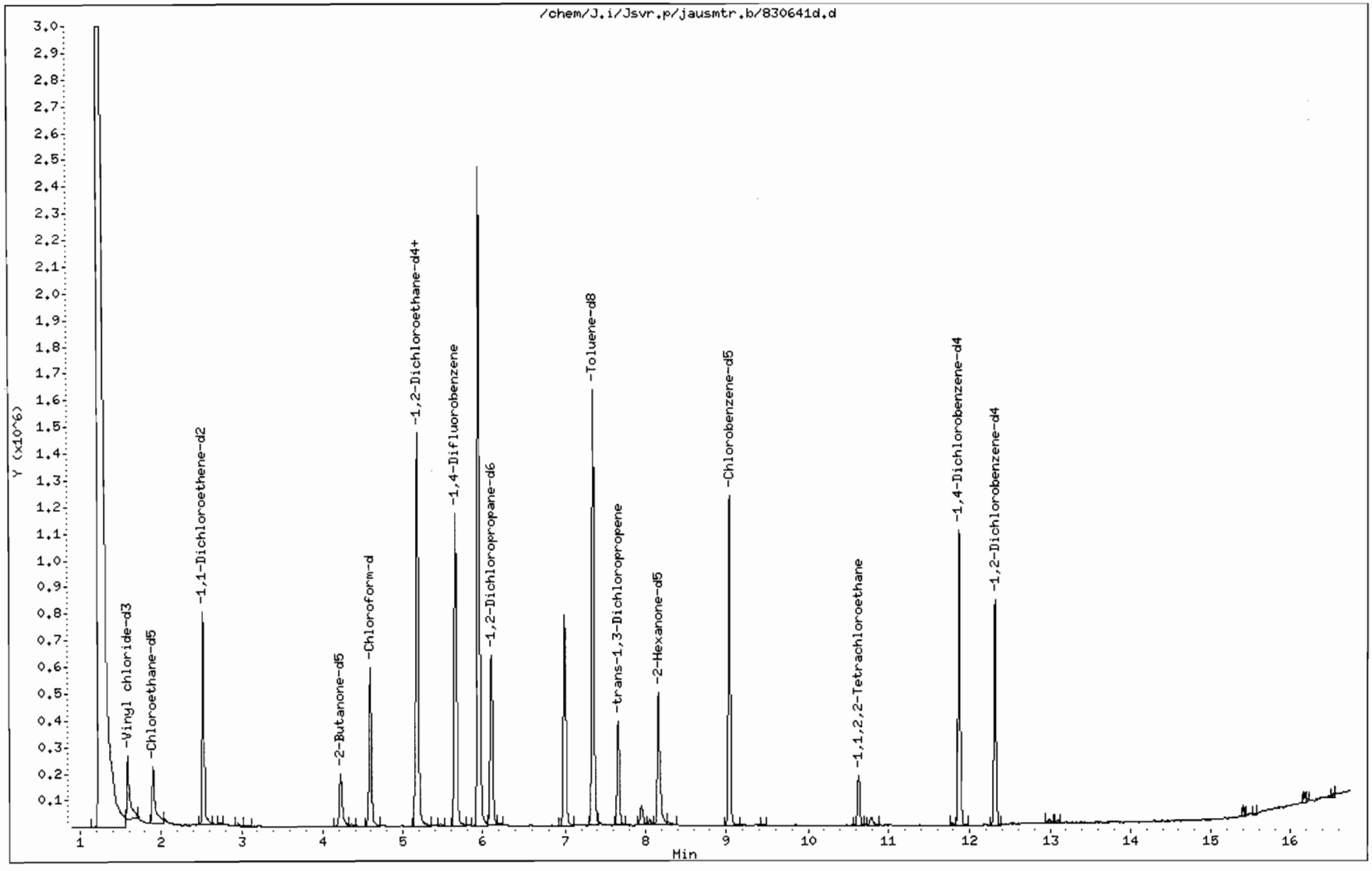
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830641d.d
Date : 25-MAY-2010 14:57
Client ID: ISCO MW04DL
Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830641d.d
Lab Smp Id: 830641D1 Client Smp ID: ISCO MW04DL
Inj Date : 25-MAY-2010 14:57
Operator : JH2 Inst ID: J.i
Smp Info : ISCO MW04 :[ ]05/17/10 @0930(WATER)
Misc Info : 830641,052510JV,29.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 3
Dil Factor: 29.30000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	29.30000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	434419	4.87787	4.9(a)
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	344509	5.19613	5.2(a)
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	562954	3.96005	4.0(a)
	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	(0.457)	5186	1.72575	51(a)
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	6482	0.10347	3.0(a)
	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	4.221	4.221	(0.746)	307706	56.2695	56(a)
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	7147	0.10584	3.1(a)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.592	4.586	(0.812)	577022	5.07452	5.1(a)
	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	5.164	5.164	(0.913)	187233	5.18629	5.2(a)
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1461899	5.41470	5.4(a)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1096951	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	967367	14.0707	410
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	364480	5.20615	5.2(a)
	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	7.342	7.342	(0.812)	1298934	5.34185	5.3(a)
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	261589	5.26415	5.3(a)
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	5520	0.10329	3.0(a)
$	46 2-Hexanone-d5	63	8.163	8.157	(0.903)	253942	57.5828	58(a)
	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	9.039	9.039	(1.000)	810961	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	115119	5.17573	5.2(a)
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	352548	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	258726	5.05725	5.1(a)
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830641d.d
Lab Smp Id: 830641D1 Client Smp ID: ISCO MW04DL
Inj Date : 25-MAY-2010 14:57
Operator : JH2 Inst ID: J.i
Smp Info : ISCO MW04 :[ ]05/17/10 @0930(WATER)
Misc Info : 830641,052510JV,29.3,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 3
Dil Factor: 29.30000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	29.30000	Dilution Factor
X	25.00000	method volume 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	5.657	2469856	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1581074	3.20074071	94	0	0		32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830641d.d

Date : 25-MAY-2010 14:57

Client ID: ISCO MW04DL

Instrument: J.i

Sample Info: ISCO MW04 :[J05/17/10 @0930(WATER)

Purge Volume: 25.0

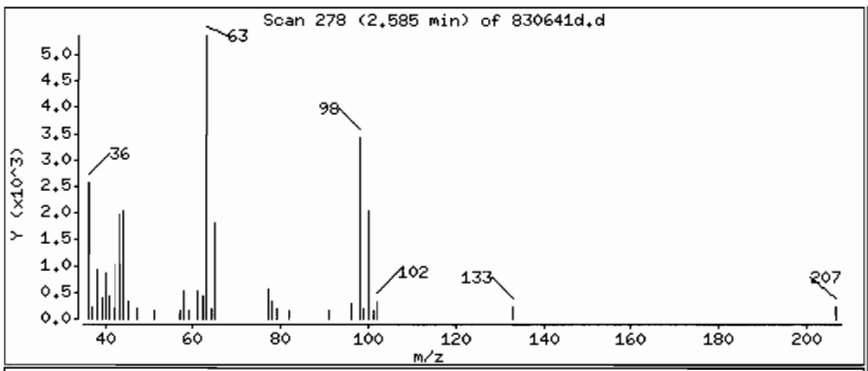
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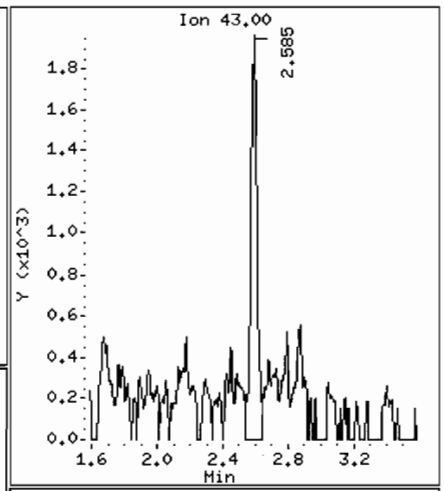
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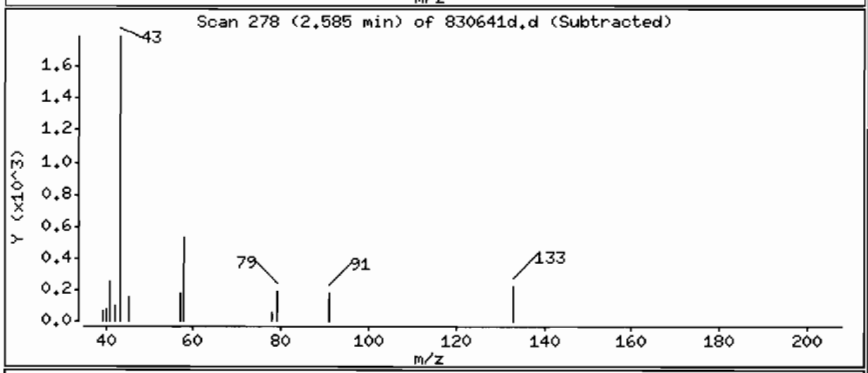
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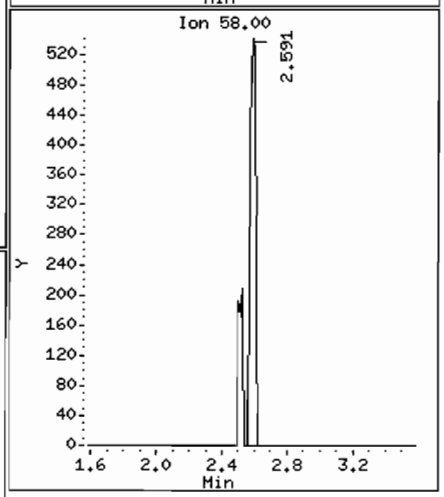
12 Acetone

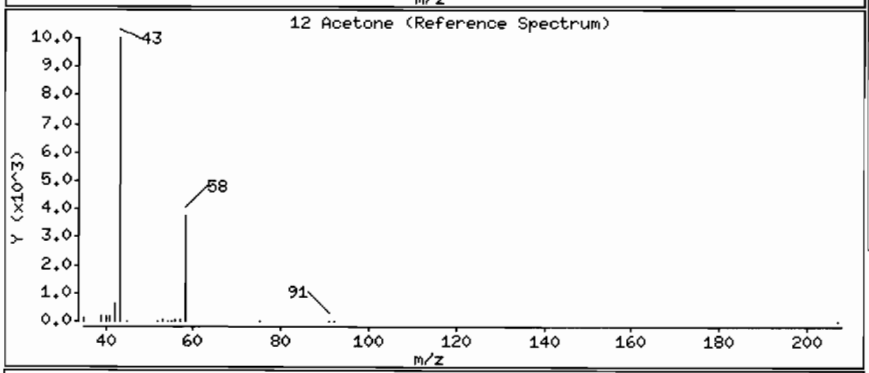
Concentration: 51 ug/L

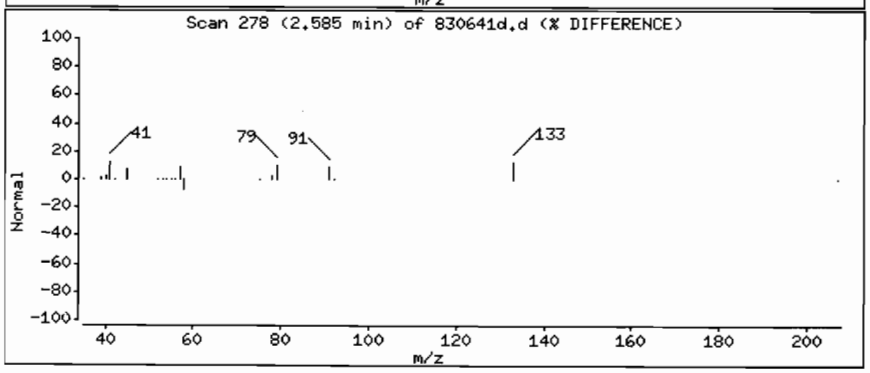












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830641d.d

Date : 25-MAY-2010 14:57

Client ID: ISCO MW04DL

Instrument: J.i

Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)

Purge Volume: 25.0

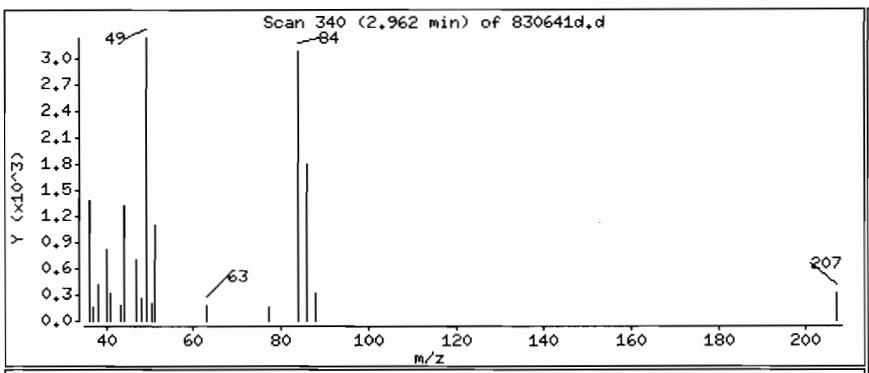
Operator: JH2

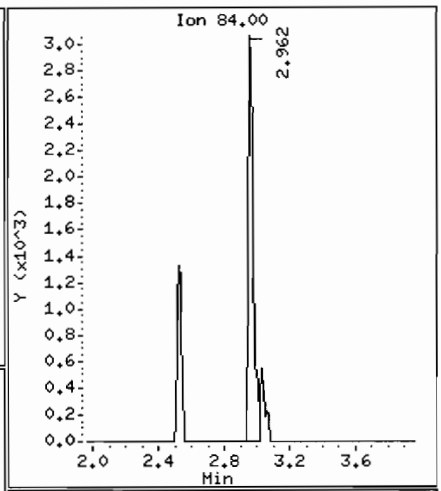
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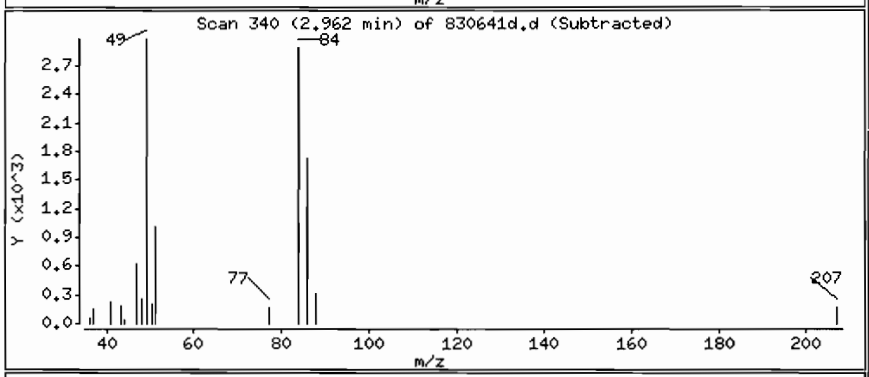
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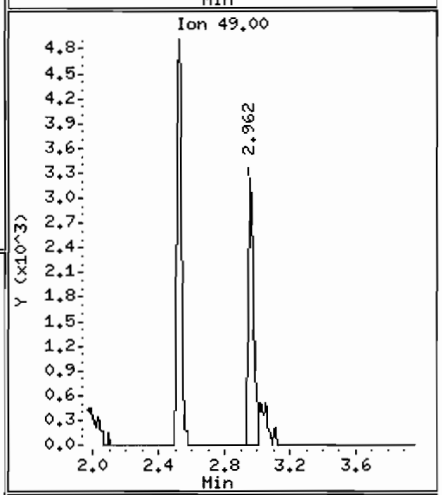
15 Methylene chloride

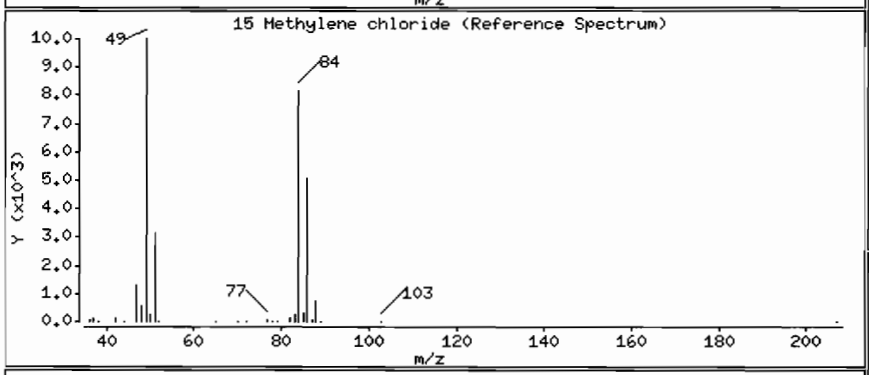
Concentration: 3.0 ug/L

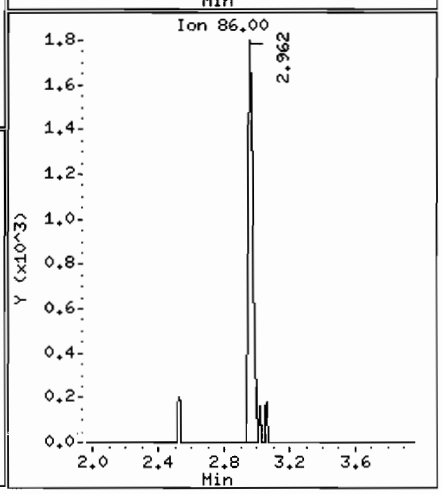


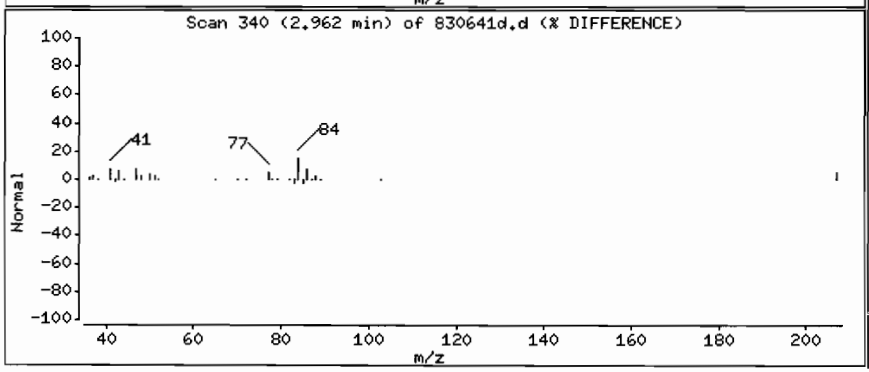












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830641d.d

Page 8

Date : 25-MAY-2010 14:57

Client ID: ISCO MW04DL

Instrument: J.i

Sample Info: ISCO MW04 :[05/17/10 @0930(WATER)

Purge Volume: 25.0

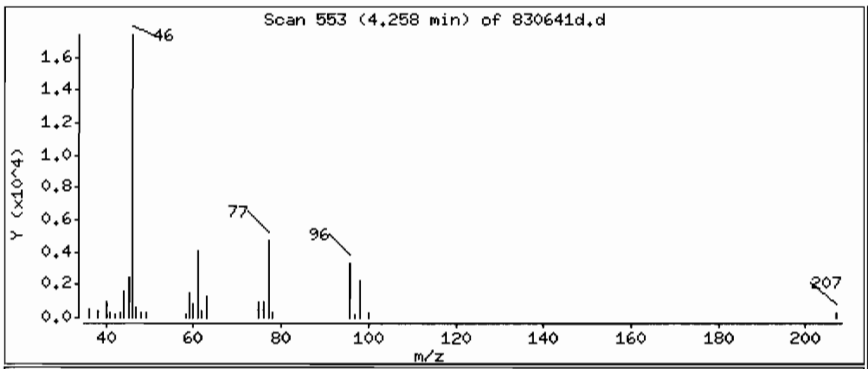
Operator: JH2

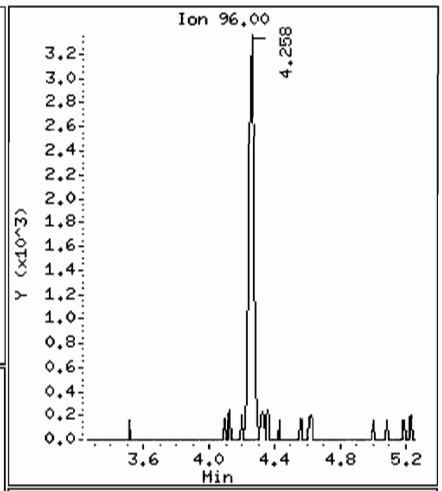
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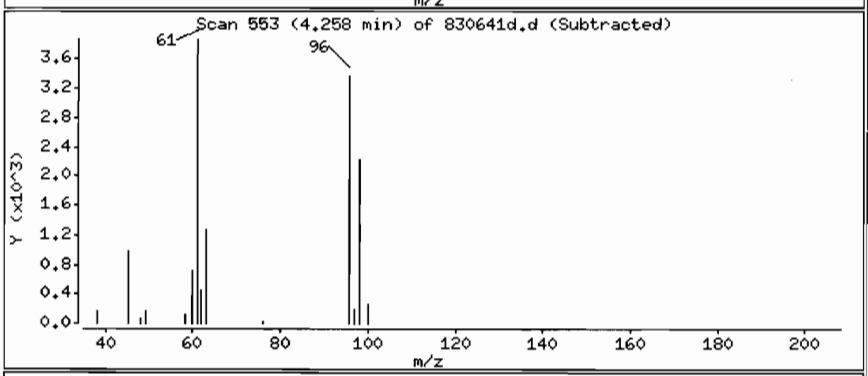
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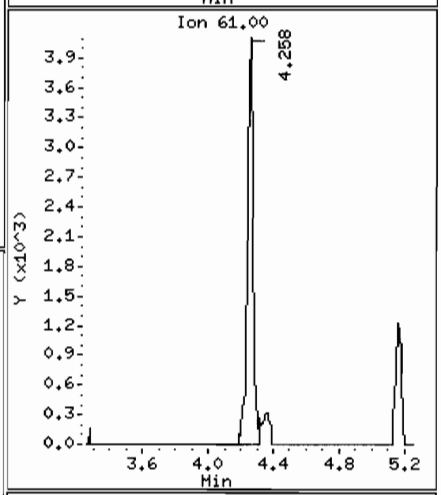
20 cis-1,2-Dichloroethene

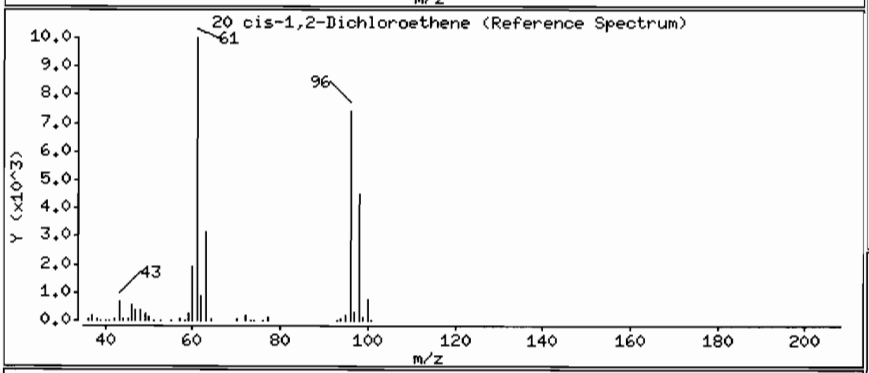
Concentration: 3.1 ug/L

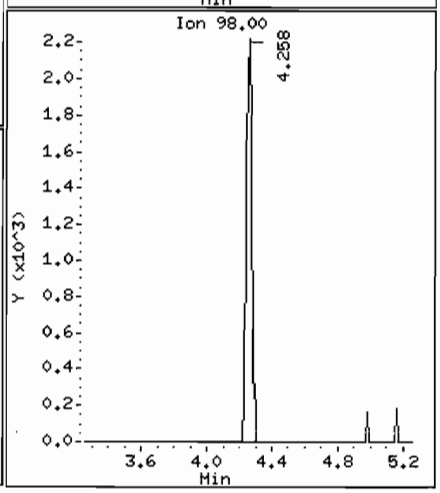


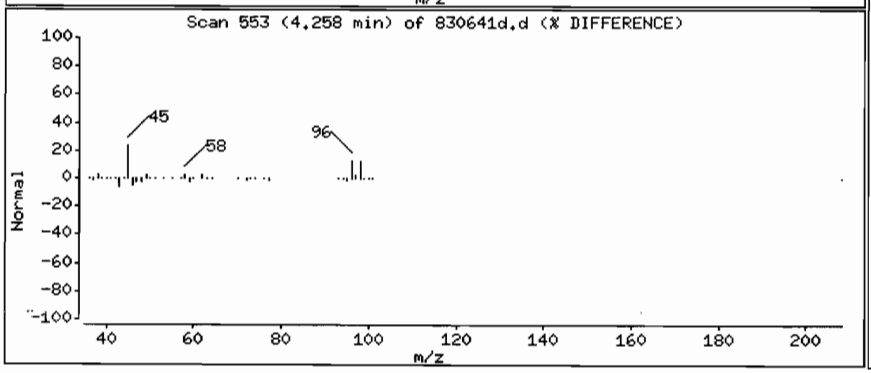












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830641d.d

Date : 25-MAY-2010 14:57

Client ID: ISCO MW04DL

Instrument: J.i

Sample Info: ISCO MW04 :[J05/17/10 @0930(WATER)

Purge Volume: 25.0

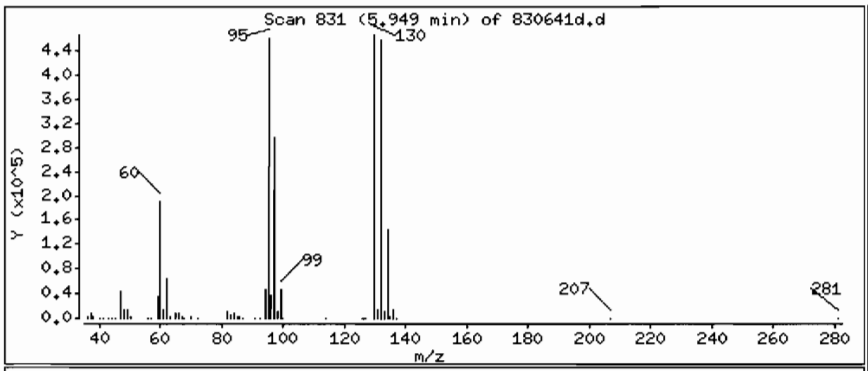
Operator: JH2

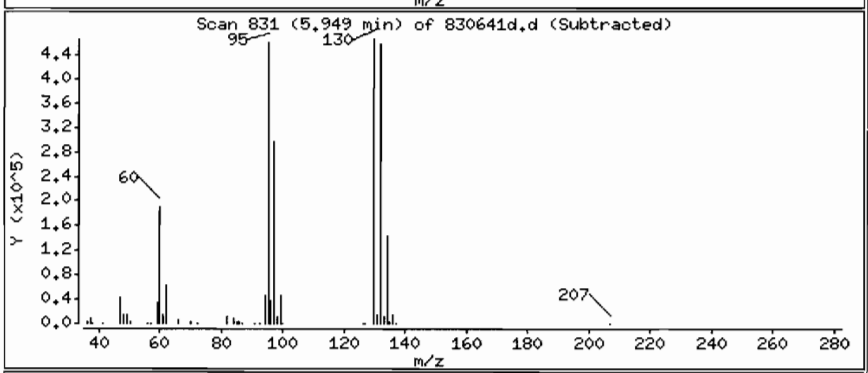
Column phase: DB-624

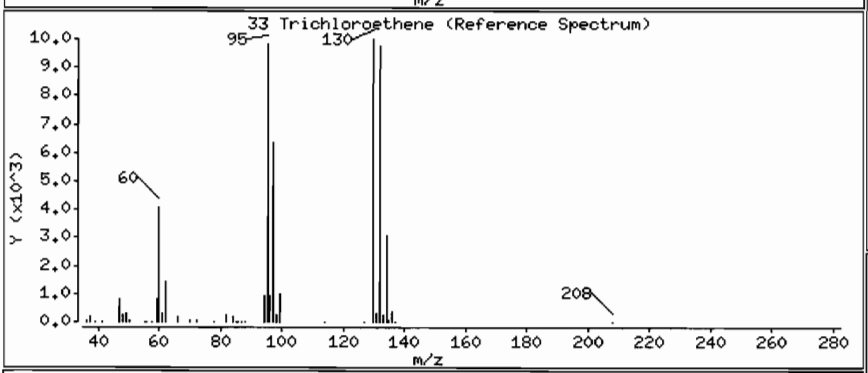
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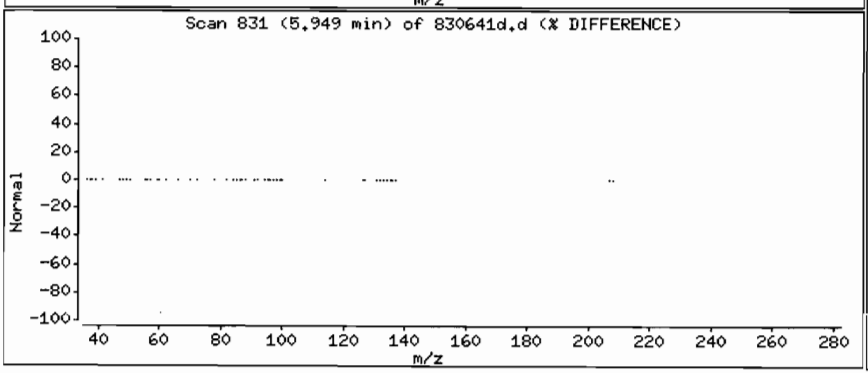
33 Trichloroethene

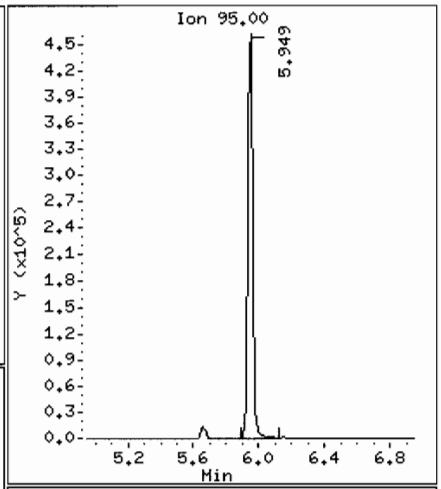
Concentration: 410 ug/L

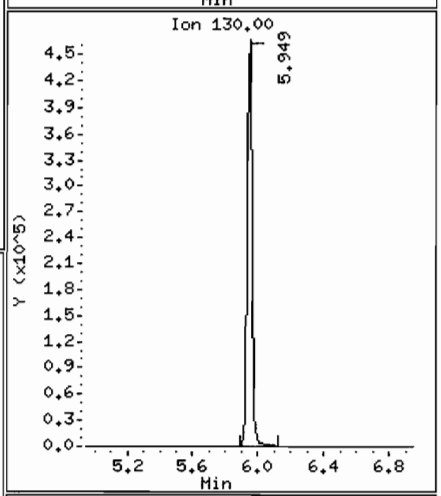


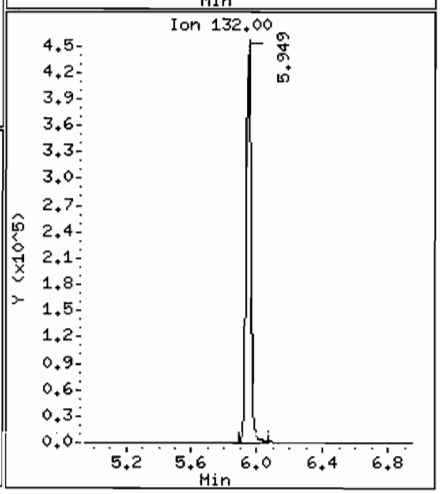












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830641d.d

Date : 25-MAY-2010 14:57

Client ID: ISCO MW04DL

Instrument: J.i

Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)

Purge Volume: 25.0

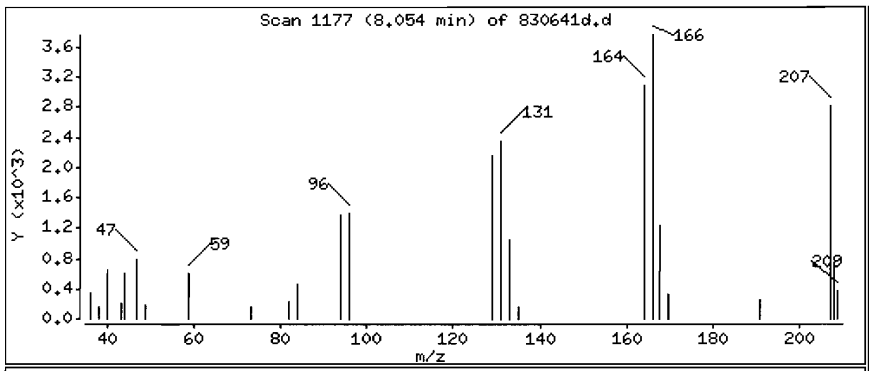
Operator: JH2

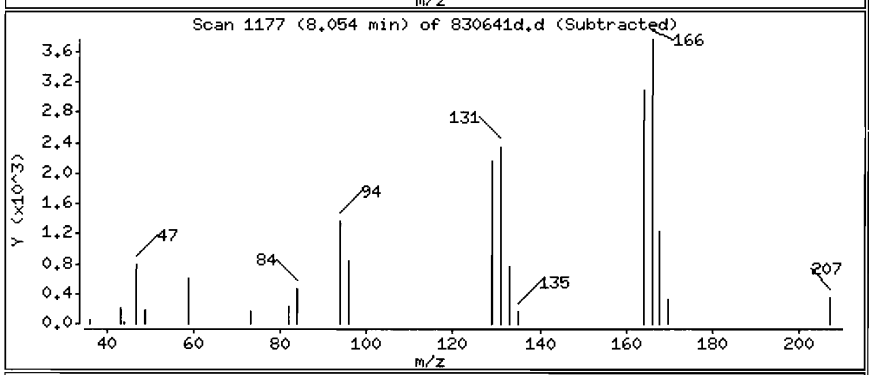
Column phase: DB-624

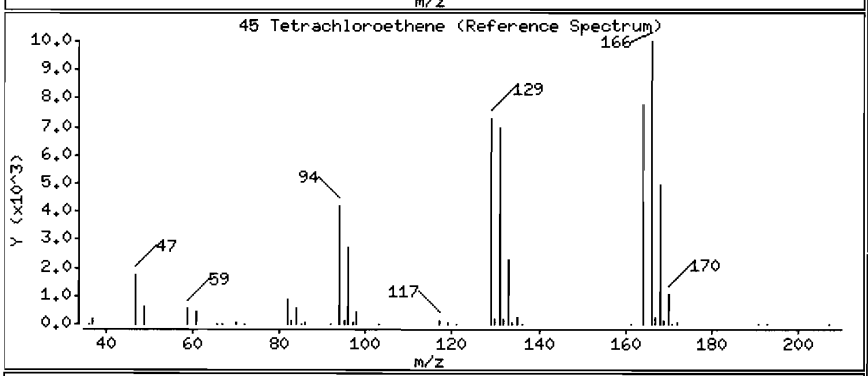
Column diameter: 0.53

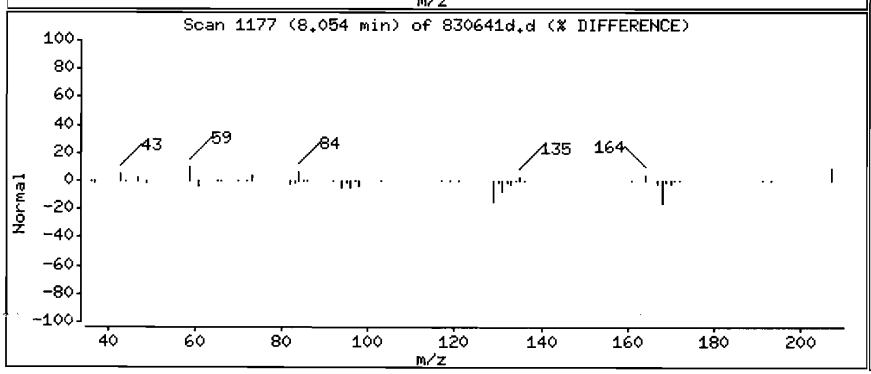
45 Tetrachloroethene

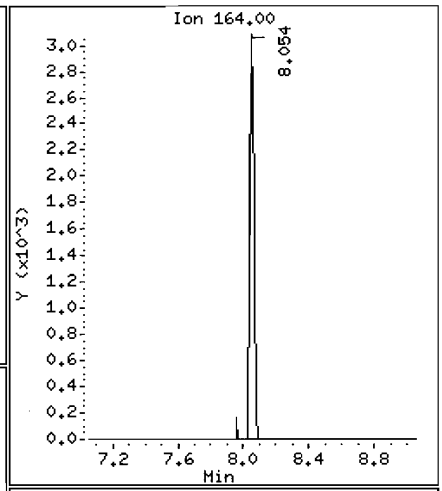
Concentration: 3.0 ug/L

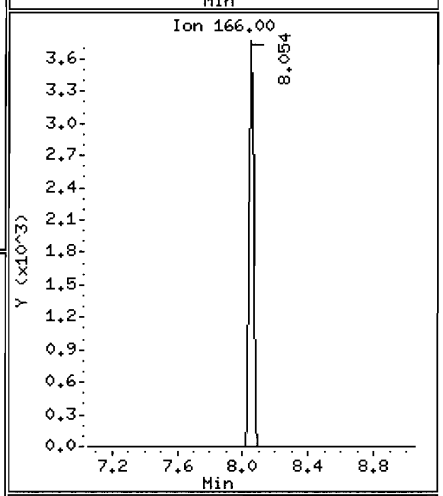


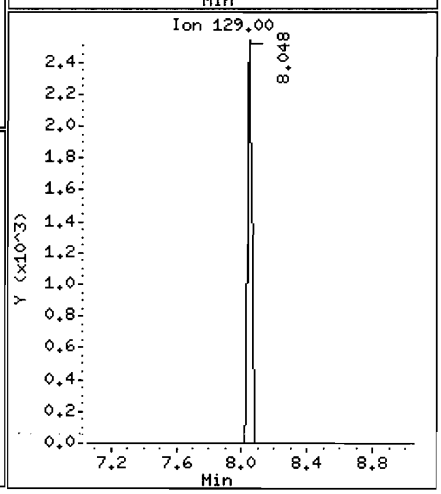












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830641d.d

Date : 25-MAY-2010 14:57

Client ID: ISCO MW04DL

Instrument: J.i

Sample Info: ISCO MW04 :[ ]05/17/10 @0930(WATER)

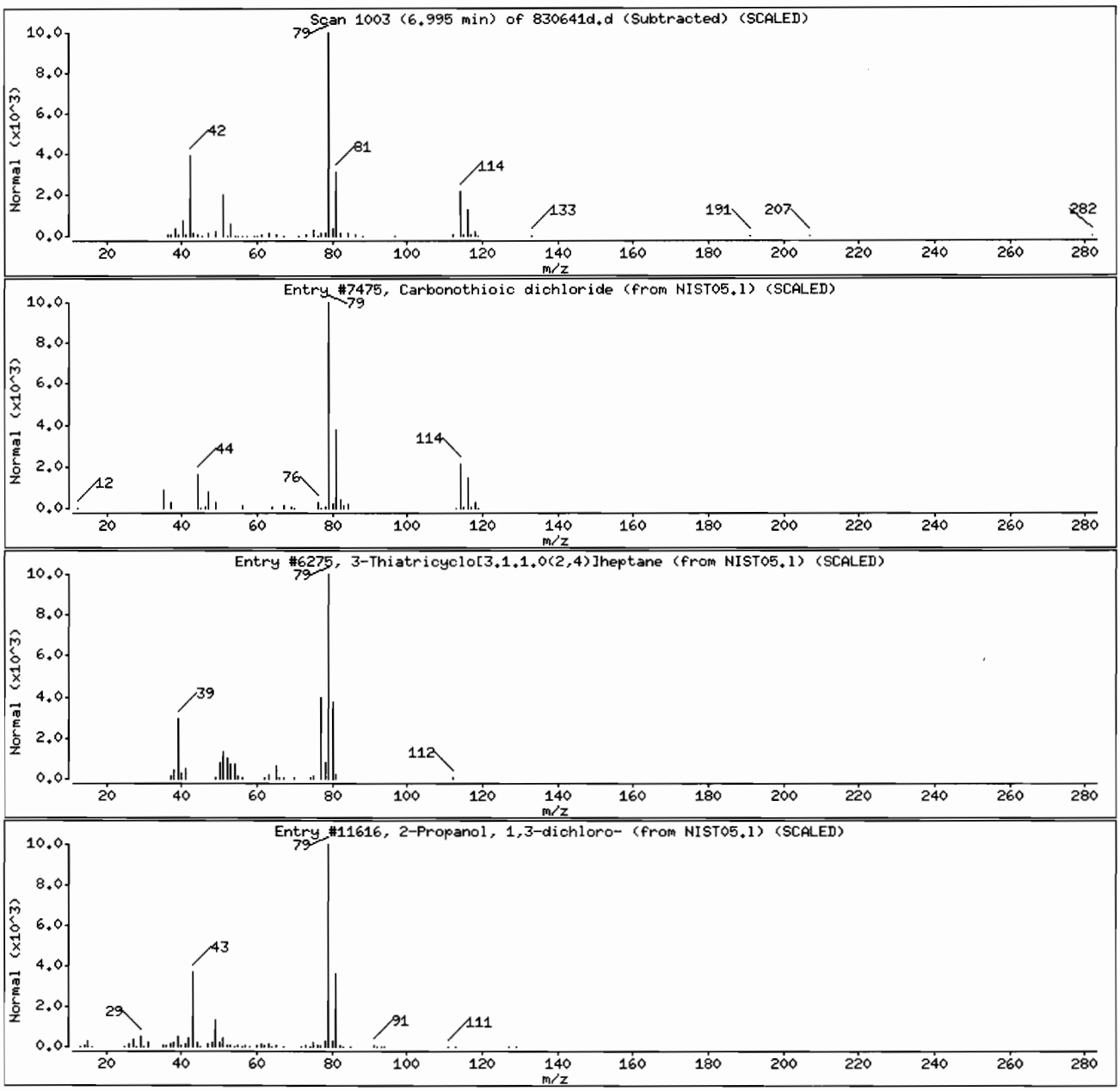
Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Hatch	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	38	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	9	C6H8S	112
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	9	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830646

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830646

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.8	JB
75-15-0	Carbon disulfide	0.070	JB
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.11	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830646

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830646

Level: (TRACE/LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.044	JB

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TRIP BLANK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830646

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830646

Level: (TRACE or LOW/MED) TRACE Date Received: 05/21/2010

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

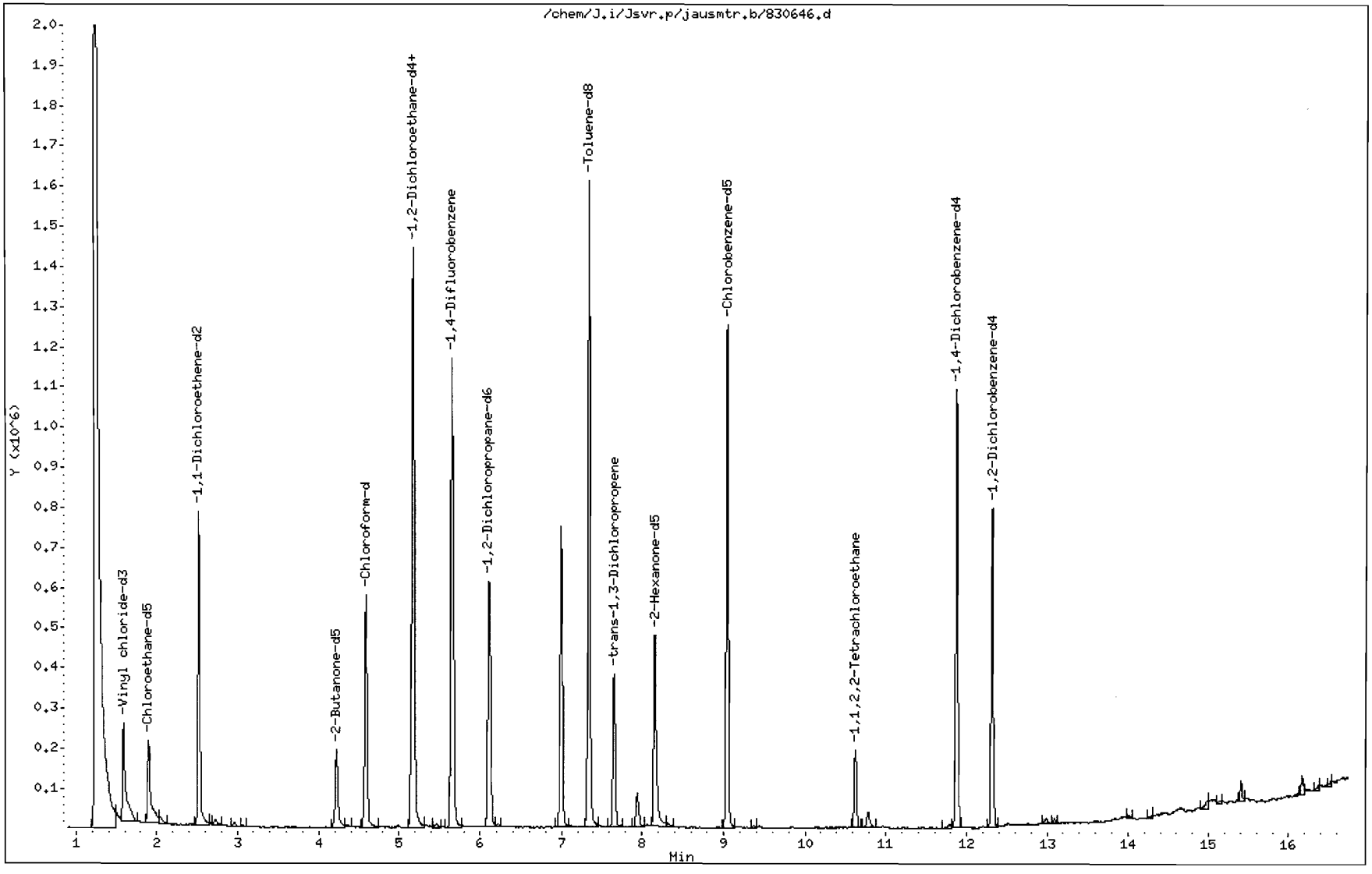
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.1	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830646.d
Date : 25-MAY-2010 14:01
Client ID: TRIP BLANK
Sample Info: TRIP BLANK :[ ]05/17/10 @ (WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830646.d
Lab Smp Id: 830646 Client Smp ID: TRIP BLANK
Inj Date : 25-MAY-2010 14:01
Operator : JH2 Inst ID: J.i
Smp Info : TRIP BLANK :[ ]05/17/10 @ (WATER)
Misc Info : 830646,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	431959	4.89773	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	348484	5.30754	5.3
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	550875	3.91302	3.9
	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	(0.458)	5383	1.80884	1.8(a)
	13 Carbon disulfide	76	2.731	2.730	(0.483)	15063	0.07027	0.070(a)
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	Methylene chloride	84	2.962	2.962	(0.524)	6659	0.10734	0.11(a)
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	4.221	4.221	(0.746)	302422	55.8446	56
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	4.586	4.586	(0.811)	569446	5.05692	5.1
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	5.164	5.164	(0.913)	188173	5.26336	5.3
$ 29	Benzene-d6	84	5.176	5.182	(0.573)	1400088	5.12449	5.1
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1086316	5.00000	
33	Trichloroethene	95	Compound Not Detected.					
$ 34	1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	359974	5.08104	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	7.342	7.342	(0.812)	1267989	5.15298	5.2
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	260522	5.18074	5.2
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	Compound Not Detected.					
$ 46	2-Hexanone-d5	63	8.157	8.157	(0.902)	238538	53.4508	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	9.039	9.039	(1.000)	820657	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	118466	5.26328	5.3
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	348087	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	253148	5.01163	5.0
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	14.472	14.472	(1.219)	1374	0.04437	0.044(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/830646.d
Lab Smp Id: 830646 Client Smp ID: TRIP BLANK
Inj Date : 25-MAY-2010 14:01
Operator : JH2 Inst ID: J.i
Smp Info : TRIP BLANK :[ ]05/17/10 @ (WATER)
Misc Info : 830646,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2458722	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1513835	3.07849854	3.1	0	0		32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/830646.d

Date : 25-MAY-2010 14:01

Client ID: TRIP BLANK

Instrument: J.i

Sample Info: TRIP BLANK :[05/17/10 @ (WATER)

Purge Volume: 25.0

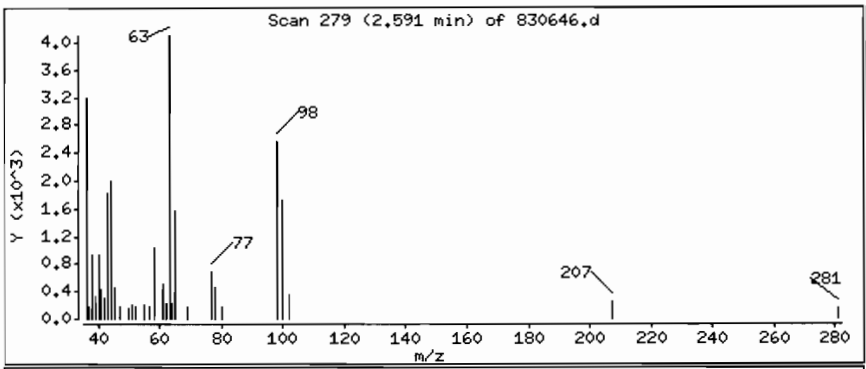
Operator: JH2

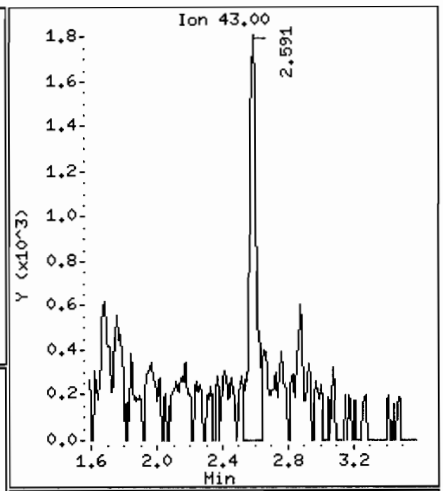
Column phase: DB-624

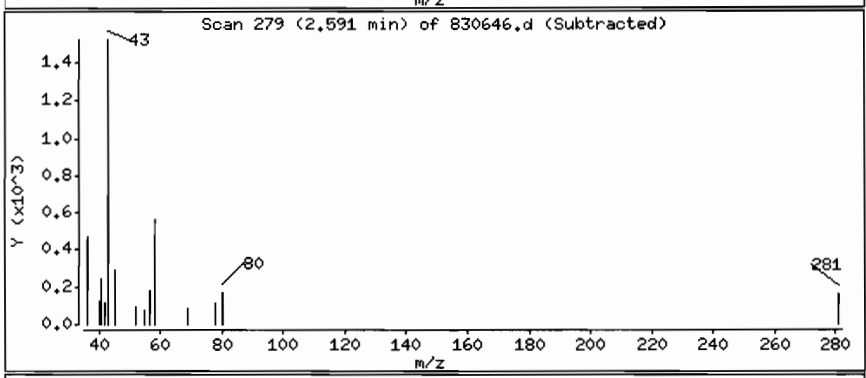
Column diameter: 0.53

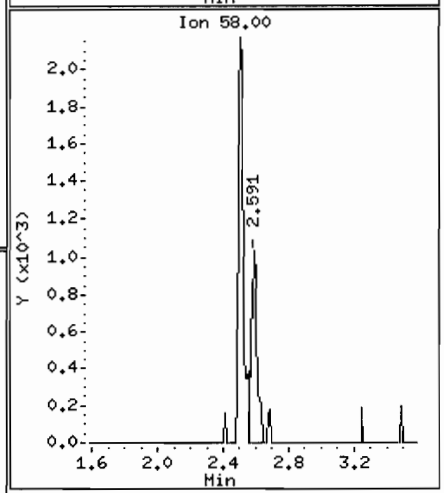
12 Acetone

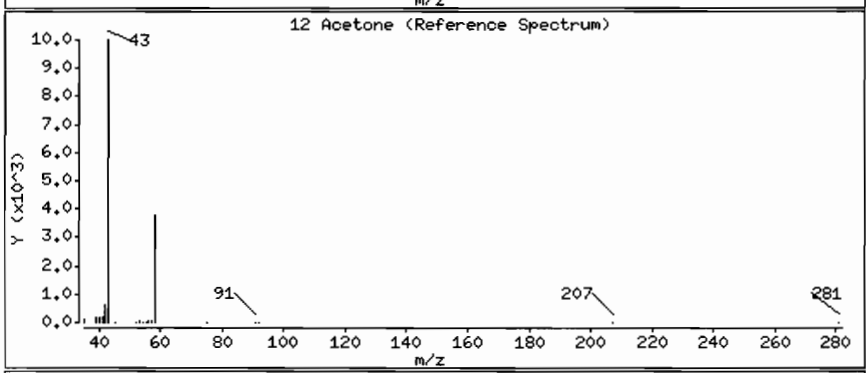
Concentration: 1.8 ug/L

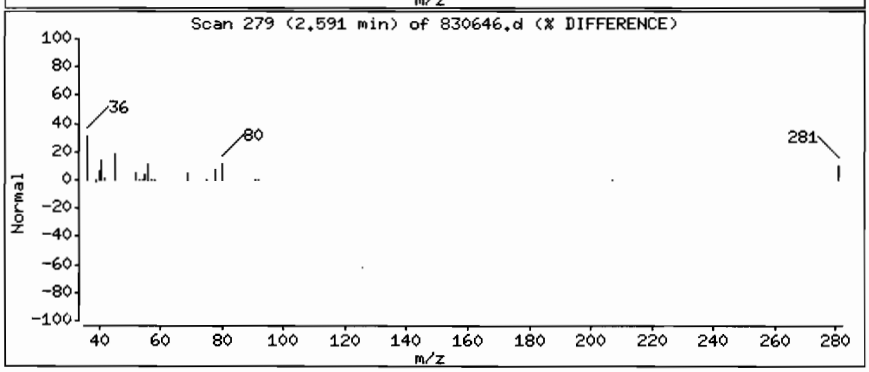












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830646.d

Date : 25-MAY-2010 14:01

Client ID: TRIP BLANK

Instrument: J.i

Sample Info: TRIP BLANK :[ ]05/17/10 @ (WATER)

Purge Volume: 25.0

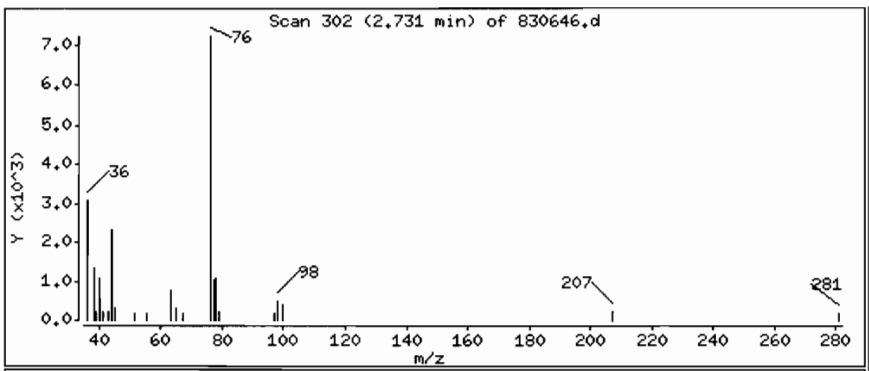
Operator: JH2

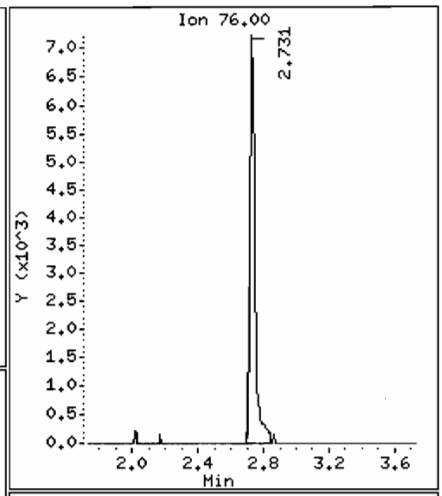
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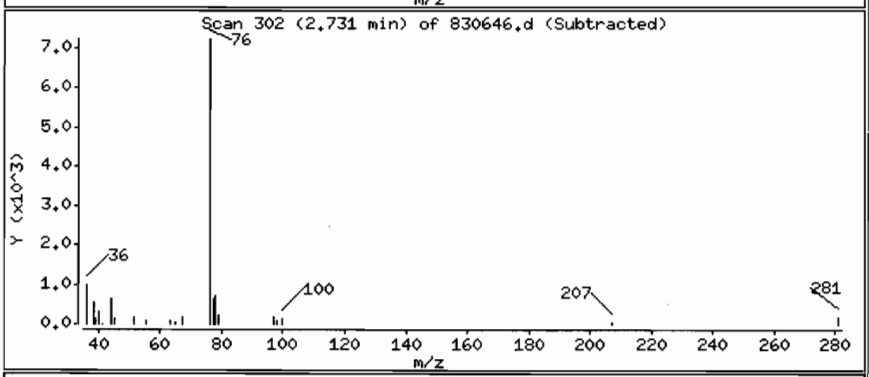
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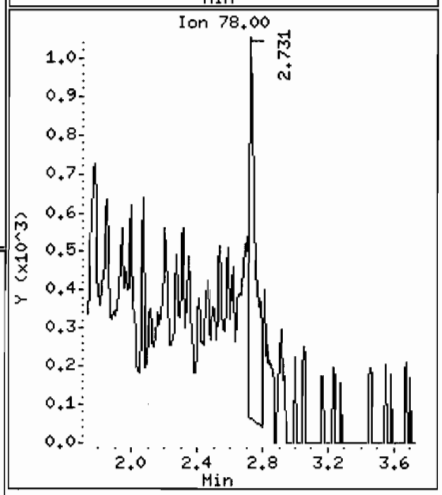
13 Carbon disulfide

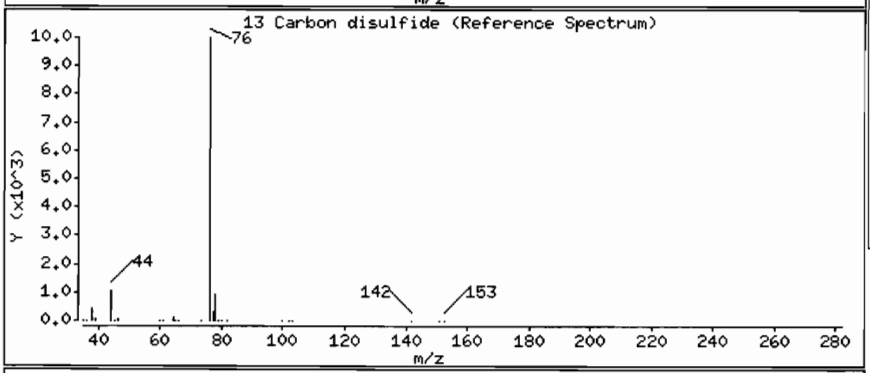
Concentration: 0.070 ug/L

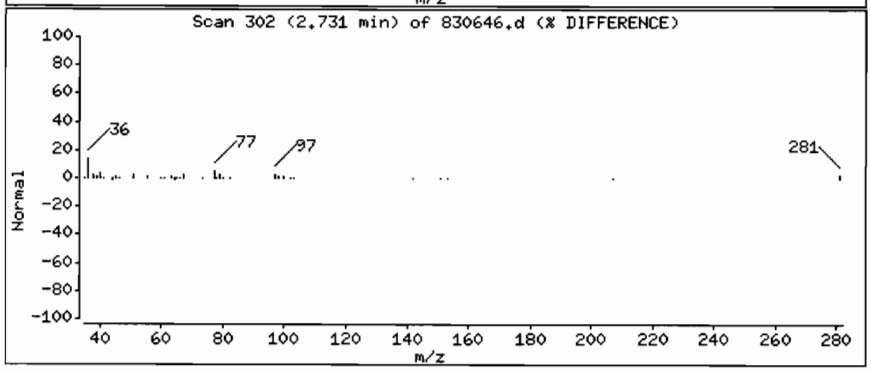












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830646.d

Date : 25-MAY-2010 14:01

Client ID: TRIP BLANK

Instrument: J.i

Sample Info: TRIP BLANK :[ ]05/17/10 @ (WATER)

Purge Volume: 25.0

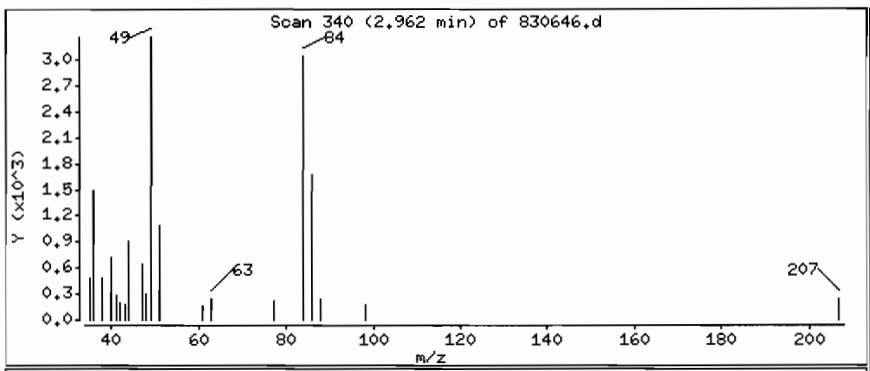
Operator: JH2

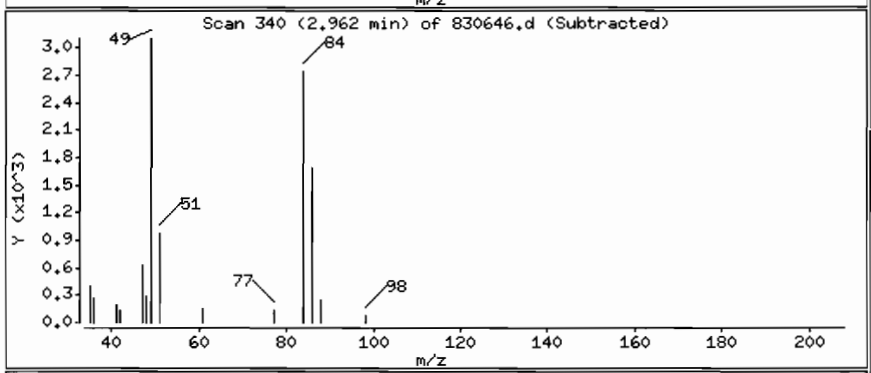
Column phase: DB-624

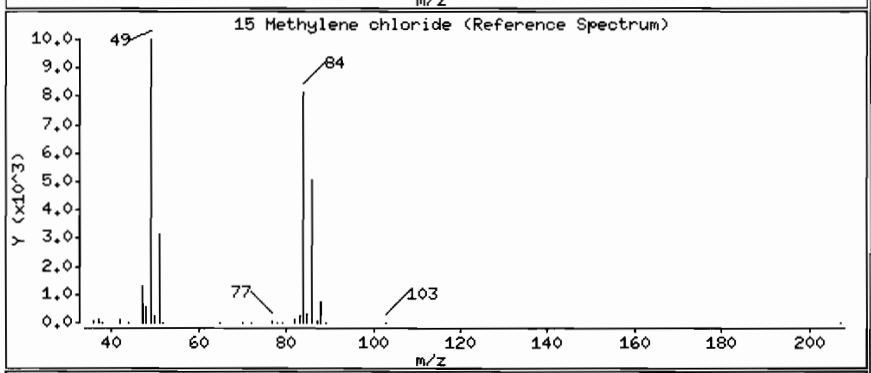
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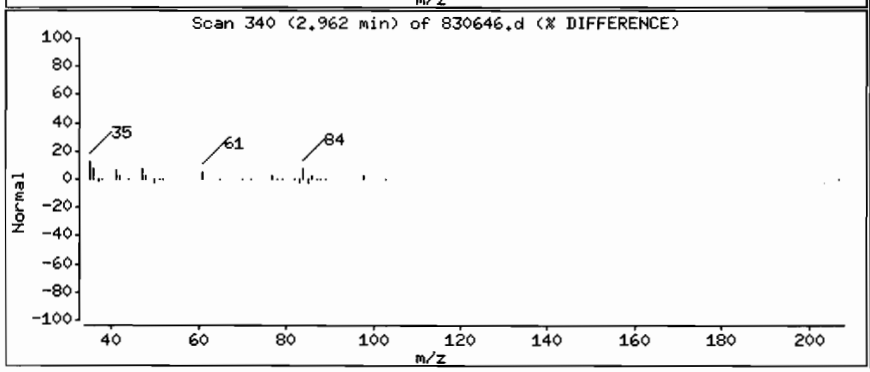
15 Methylene chloride

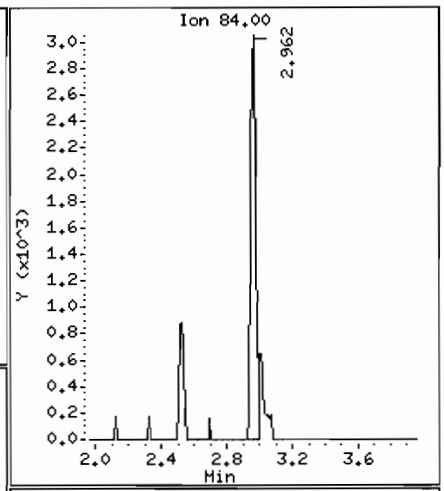
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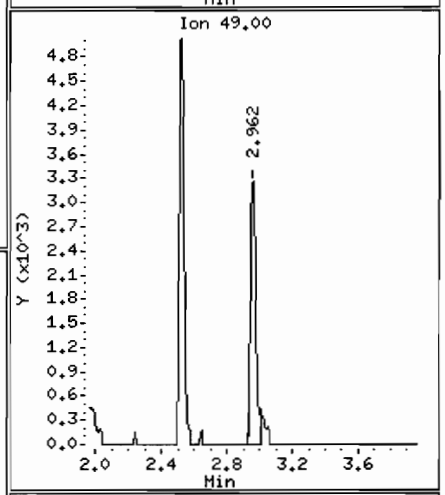


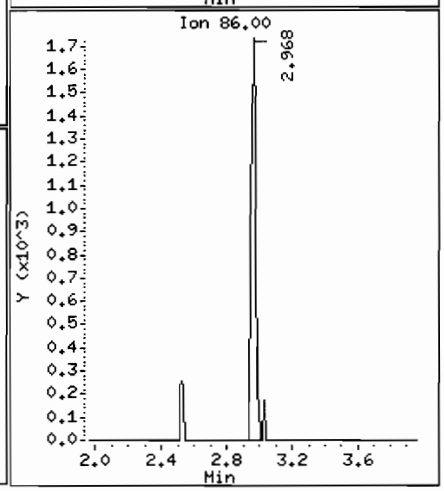












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830646.d

Date : 25-MAY-2010 14:01

Client ID: TRIP BLANK

Instrument: J.i

Sample Info: TRIP BLANK :[05/17/10 @ (WATER)

Purge Volume: 25.0

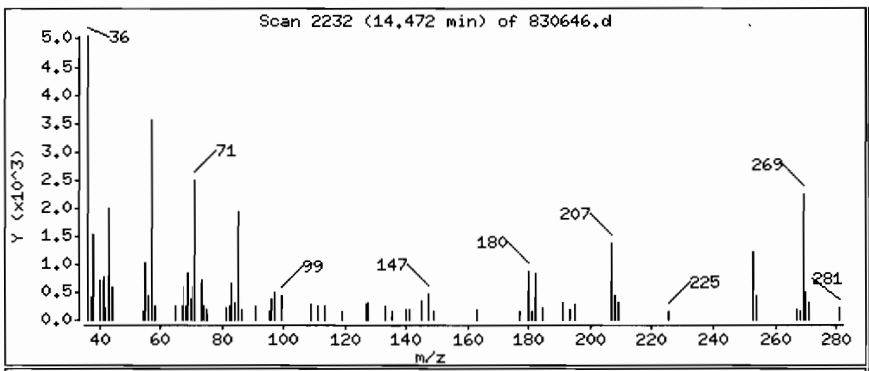
Operator: JH2

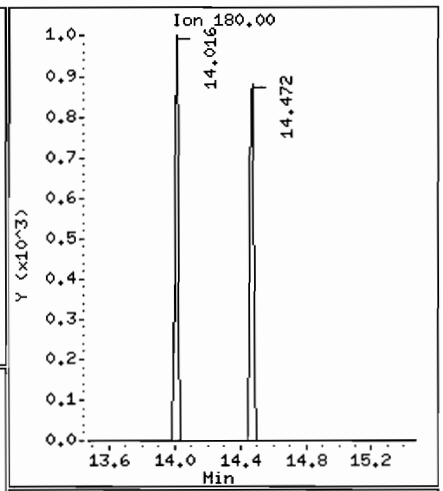
Column phase: DB-624

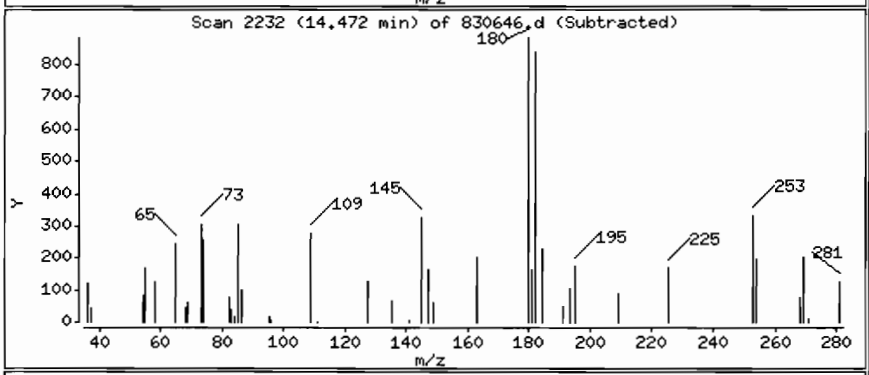
Column diameter: 0.53

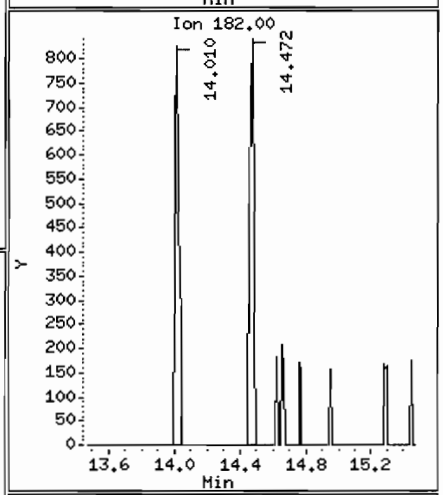
67 1,2,3-Trichlorobenzene

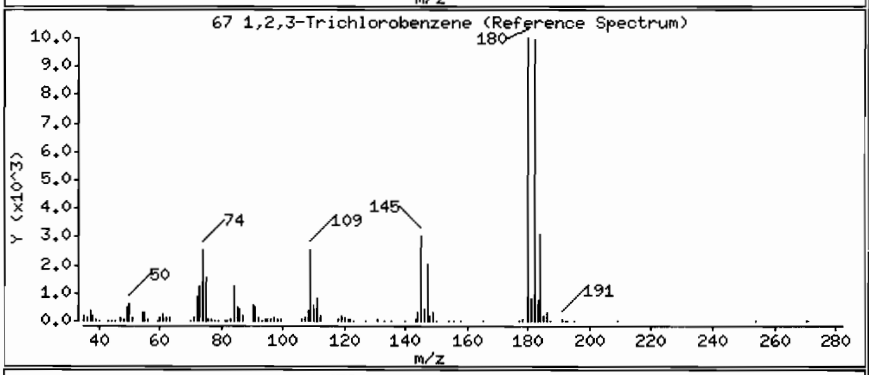
Concentration: 0.044 ug/L

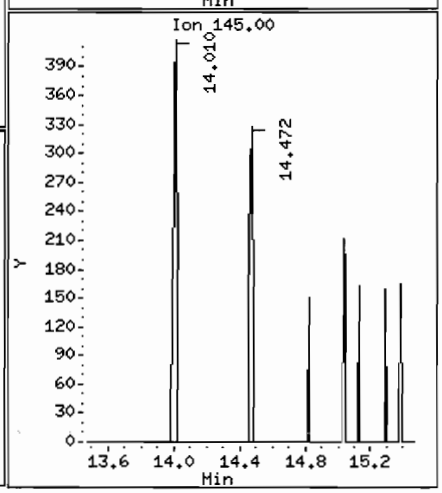


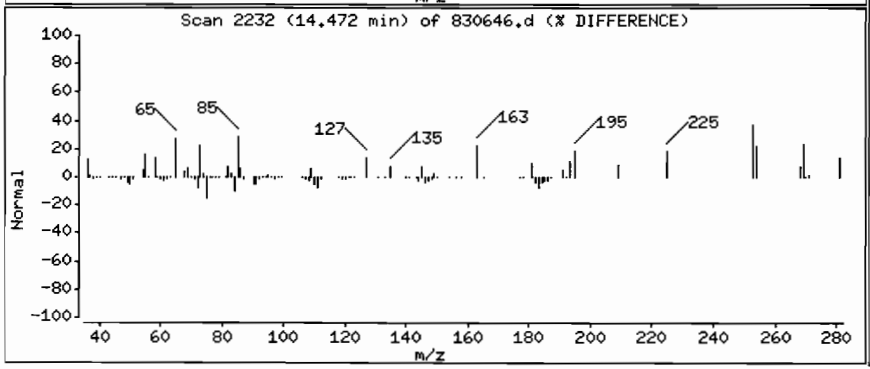












Data File: /chem/J.i/Jsvr.p/jausmtr.b/830646.d

Date : 25-MAY-2010 14:01

Client ID: TRIP BLANK

Instrument: J.i

Sample Info: TRIP BLANK :[J05/17/10 @ (WATER)

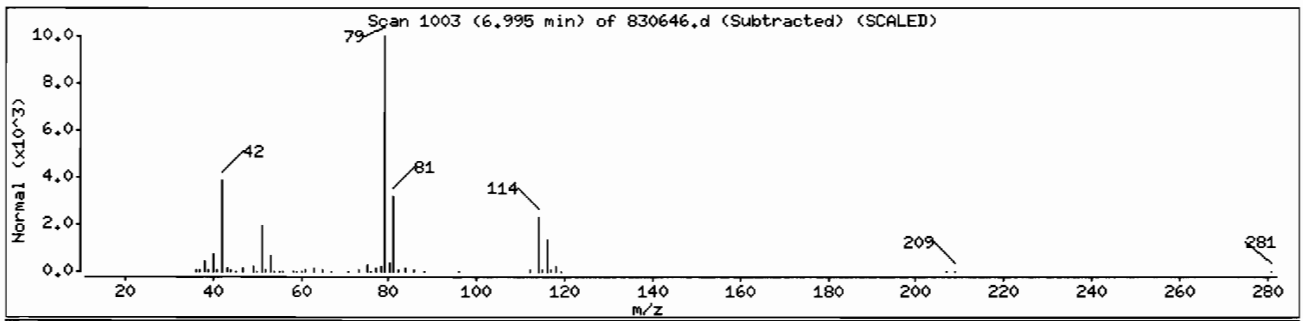
Purge Volume: 25.0

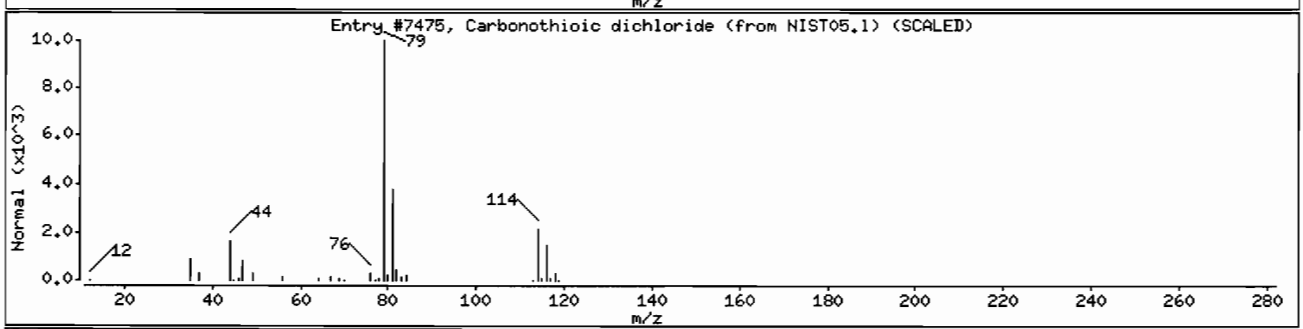
Operator: JH2

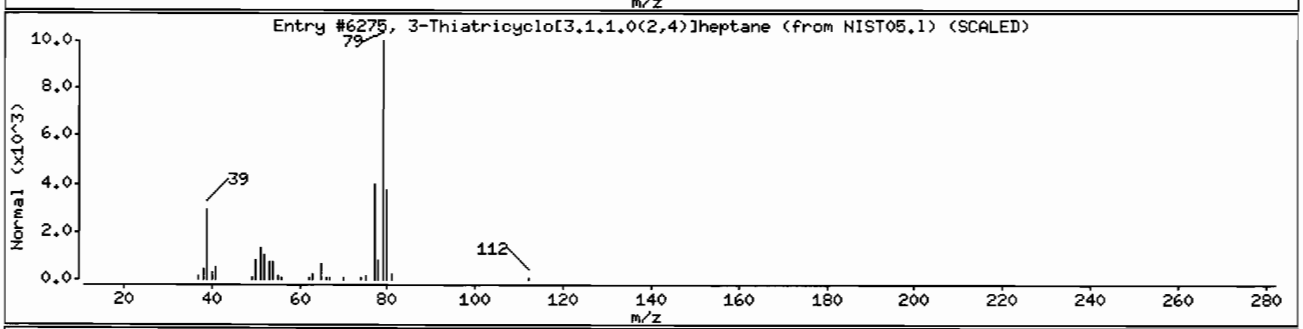
Column phase: DB-624

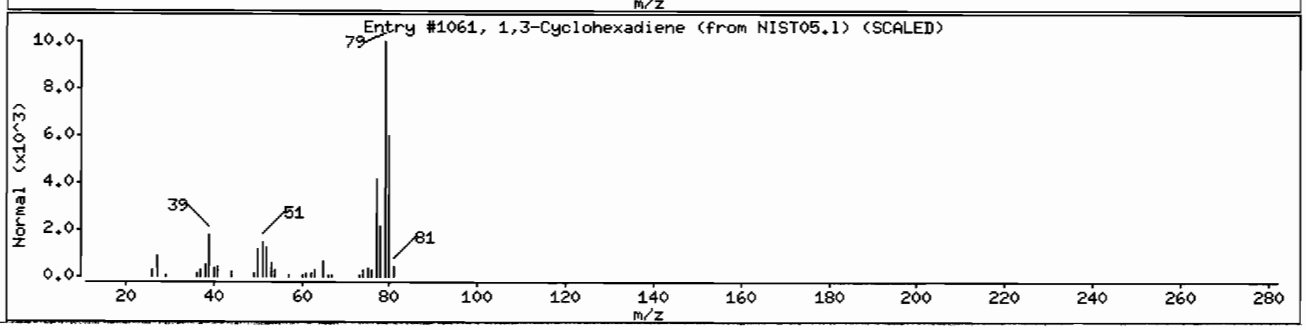
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	9	C6H8	80











Standards – SOM01.2 Volatiles – Trace

6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date(s): 05/25/2010 05/25/2010

Heated Purge: (Y/N)N Calibration Time(s): 1004 1155

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = JAU0005V RRF1.0 = JAU001V
RRF5.0 = JAU005V RRF10 = JAU010V RRF20 = JAU020V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.464	0.470	0.460	0.450	0.439	0.457	2.7
Chloromethane	0.471	0.465	0.439	0.455	0.442	0.454	3.0
Vinyl chloride	0.482	0.463	0.463	0.447	0.440	0.459	3.6
Bromomethane	0.244	0.219	0.204	0.209	0.208	0.217	7.4
Chloroethane	0.211	0.273	0.256	0.247	0.246	0.247	9.1
Trichlorofluoromethane	0.522	0.493	0.493	0.483	0.464	0.491	4.3
1,1-Dichloroethene	0.332	0.303	0.300	0.294	0.288	0.303	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane	0.354	0.317	0.318	0.314	0.307	0.322	5.8
Acetone	0.016	0.015	0.012	0.012	0.013	0.014	14.0
Carbon disulfide	1.126	0.982	0.951	0.956	0.918	0.987	8.2
Methyl acetate	0.050	0.054	0.050	0.048	0.047	0.050	5.1
Methylene chloride	0.364	0.303	0.271	0.248	0.241	0.286	17.5
trans-1,2-Dichloroethene	0.348	0.334	0.320	0.314	0.306	0.324	5.1
Methyl tert-butyl ether	0.180	0.221	0.305	0.301	0.345	0.270	25.0
1,1-Dichloroethane	0.601	0.590	0.597	0.589	0.576	0.591	1.6
cis-1,2-Dichloroethene	0.317	0.318	0.309	0.303	0.293	0.308	3.4
2-Butanone	0.031	0.028	0.026	0.027	0.028	0.028	6.5
Bromochloromethane	0.085	0.091	0.087	0.086	0.083	0.087	3.1
Chloroform	0.522	0.503	0.501	0.480	0.467	0.494	4.3
1,1,1-Trichloroethane	0.662	0.639	0.663	0.616	0.605	0.637	4.1
Cyclohexane	0.969	0.937	0.933	0.881	0.859	0.916	4.9
Carbon tetrachloride	0.566	0.526	0.540	0.516	0.513	0.532	4.1
Benzene	1.900	1.770	1.828	1.716	1.688	1.780	4.8
1,2-Dichloroethane	0.226	0.217	0.205	0.194	0.193	0.207	7.0
Trichloroethene	0.459	0.407	0.433	0.416	0.404	0.424	5.4
Methylcyclohexane	0.724	0.689	0.717	0.678	0.660	0.693	3.9

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date(s): 05/25/2010 05/25/2010

Heated Purge: (Y/N)N Calibration Time(s): 1004 1155

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = JAU0005V RRF1.0 = JAU001V
RRF5.0 = JAU005V RRF10 = JAU010V RRF20 = JAU020V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.373	0.359	0.372	0.361	0.344	0.362	3.2
Bromodichloromethane	0.416	0.362	0.388	0.367	0.366	0.380	6.0
cis-1,3-Dichloropropene	0.516	0.490	0.520	0.480	0.486	0.498	3.6
4-Methyl-2-pentanone	0.082	0.083	0.091	0.086	0.090	0.087	4.7
Toluene	1.864	1.771	1.874	1.789	1.773	1.814	2.8
trans-1,3-Dichloropropene	0.330	0.336	0.351	0.340	0.338	0.339	2.3
1,1,2-Trichloroethane	0.157	0.158	0.159	0.146	0.146	0.153	4.4
Tetrachloroethene	0.335	0.315	0.343	0.328	0.327	0.330	3.1
2-Hexanone	0.051	0.057	0.059	0.055	0.058	0.056	5.2
Dibromochloromethane	0.174	0.169	0.172	0.171	0.170	0.171	1.1
1,2-Dibromoethane	0.137	0.132	0.133	0.126	0.128	0.131	3.4
Chlorobenzene	1.052	1.008	0.987	0.950	0.952	0.990	4.3
Ethylbenzene	2.140	2.102	2.073	2.008	1.976	2.060	3.3
o-Xylene	0.695	0.695	0.708	0.678	0.669	0.689	2.3
m,p-Xylene	0.819	0.778	0.777	0.756	0.742	0.775	3.7
Styrene	1.071	0.995	1.038	1.014	0.993	1.022	3.2
Bromoform	0.155	0.166	0.163	0.166	0.164	0.163	2.7
Isopropylbenzene	2.155	1.967	2.037	1.994	1.944	2.019	4.1
1,1,2,2-Tetrachloroethane	0.153	0.135	0.143	0.136	0.137	0.141	5.4
1,3-Dichlorobenzene	1.719	1.592	1.558	1.557	1.500	1.585	5.2
1,4-Dichlorobenzene	1.645	1.520	1.471	1.453	1.441	1.506	5.5
1,2-Dichlorobenzene	1.192	1.178	1.134	1.145	1.083	1.147	3.7
1,2-Dibromo-3-chloropropane	0.067	0.050	0.046	0.043	0.045	0.050	19.9
1,2,4-Trichlorobenzene	0.634	0.625	0.631	0.633	0.631	0.631	0.6
1,2,3-Trichlorobenzene	0.485	0.454	0.425	0.425	0.435	0.445	5.7

SOM01.2

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date(s): 05/25/2010 05/25/2010

Heated Purge: (Y/N)N Calibration Time(s): 1004 1155

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = JAU0005V RRF1.0 = JAU001V
RRF5.0 = JAU005V RRF10 = JAU010V RRF20 = JAU020V

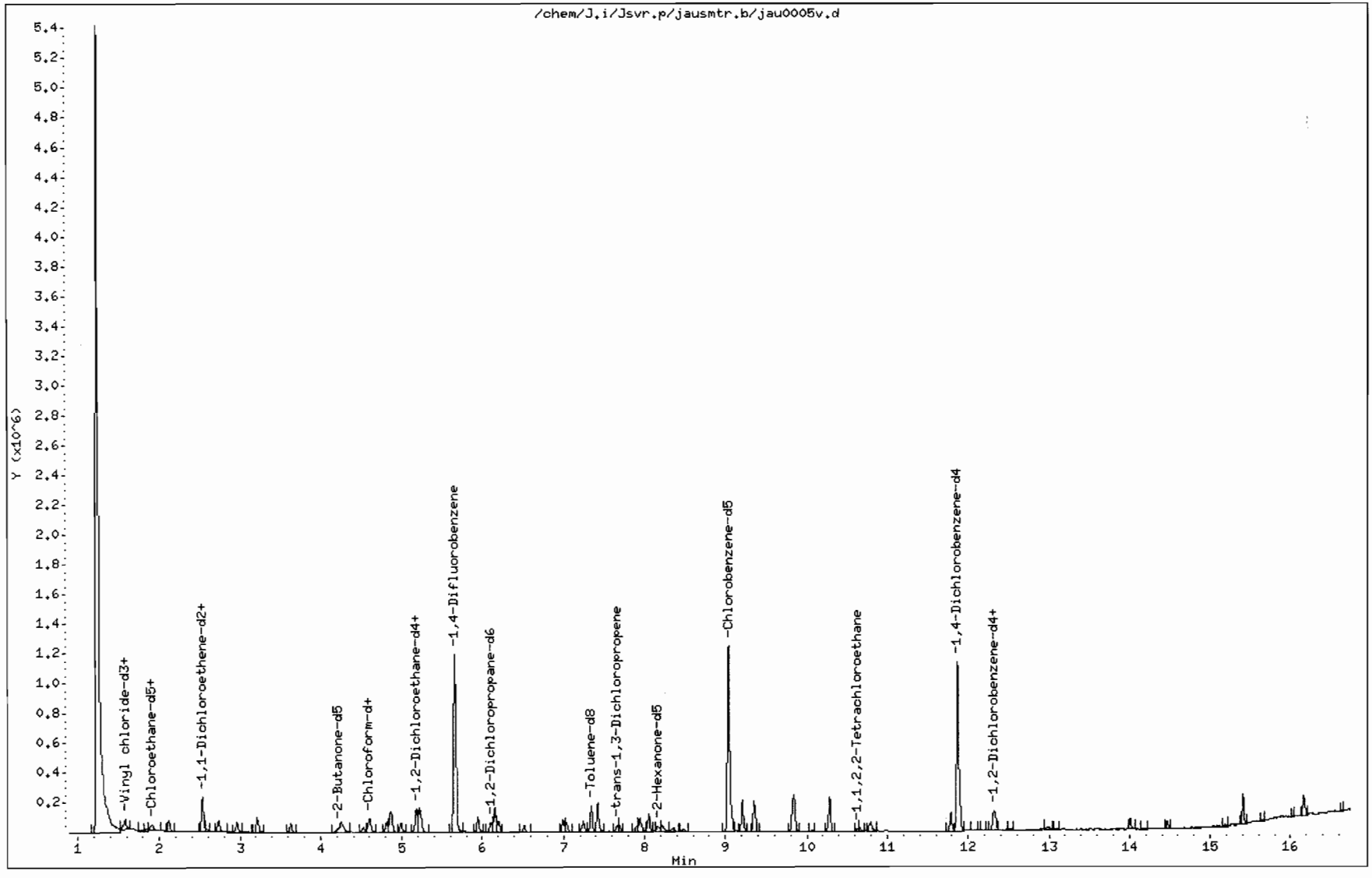
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
Vinyl chloride-d3	0.442	0.402	0.401	0.398	0.387	0.406	5.2
Chloroethane-d5	0.314	0.305	0.303	0.297	0.293	0.302	2.7
1,1-Dichloroethene-d2	0.685	0.648	0.650	0.637	0.619	0.648	3.7
2-Butanone-d5	0.024	0.025	0.025	0.025	0.026	0.025	3.0
Chloroform-d	0.535	0.531	0.522	0.506	0.497	0.518	3.1
1,2-Dichloroethane-d4	0.178	0.170	0.162	0.158	0.155	0.165	5.7
Benzene-d6	1.742	1.670	1.702	1.622	1.587	1.665	3.7
1,2-Dichloropropane-d6	0.470	0.437	0.434	0.413	0.404	0.432	6.0
Toluene-d8	1.550	1.461	1.554	1.468	1.464	1.499	3.2
trans-1,3-Dichloropropene-d4	0.314	0.301	0.316	0.297	0.303	0.306	2.7
2-Hexanone-d5	0.023	0.027	0.028	0.028	0.030	0.027	9.0
1,1,2,2-Tetrachloroethane-d2	0.143	0.131	0.139	0.135	0.137	0.137	3.2
1,2-Dichlorobenzene-d4	0.784	0.742	0.711	0.710	0.680	0.726	5.4

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau0005v.d
Date : 25-MAY-2010 10:04
Client ID: VSTD0.5JV
Sample Info: JAU0005V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/jau0005v.d
Lab Smp Id: VSTD0.5JV Client Smp ID: VSTD0.5JV
Inj Date : 25-MAY-2010 10:04
Operator : JH2 Inst ID: J.i
Smp Info : JAU0005V
Misc Info : VSTD0005JV,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 25-May-2010 16:52 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.368	1.368	(0.242)	50998	0.50000	0.51(M)
2	Chloromethane	50	1.563	1.569	(0.276)	51694	0.50000	0.52
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	48532	0.50000	0.54
4	Vinyl chloride	62	1.593	1.593	(0.282)	52922	0.50000	0.53
5	Bromomethane	94	1.843	1.842	(0.326)	26784	0.50000	0.56(Q)
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	34517	0.50000	0.52
7	Chloroethane	64	1.916	1.915	(0.339)	23225	0.50000	0.43(a)
8	Trichlorofluoromethane	101	2.116	2.116	(0.374)	57351	0.50000	0.53
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	75256	0.50000	0.53
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	36471	0.50000	0.55
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	38890	0.50000	0.55
12	Acetone	43	2.585	2.584	(0.457)	18068	5.00000	6.0
13	Carbon disulfide	76	2.731	2.730	(0.483)	123713	0.50000	0.57
14	Methyl acetate	43	2.871	2.870	(0.507)	5523	0.50000	0.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	39989	0.50000	0.64
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	38185	0.50000	0.54
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.569)	19752	0.50000	0.33(a)
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	66063	0.50000	0.51
$	19 2-Butanone-d5	46	4.227	4.221	(0.747)	26418	5.00000	4.8(a)
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	34773	0.50000	0.51
	21 2-Butanone	43	4.294	4.288	(0.759)	33955	5.00000	5.5
	22 Bromochloromethane	128	4.519	4.519	(0.799)	9381	0.50000	0.49(aQ)
$	23 Chloroform-d	84	4.592	4.586	(0.812)	58751	0.50000	0.52
	24 Chloroform	83	4.611	4.610	(0.815)	57296	0.50000	0.53
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	55836	0.50000	0.52
	26 Cyclohexane	56	4.866	4.866	(0.538)	81763	0.50000	0.53
	27 Carbon tetrachloride	117	4.988	4.987	(0.552)	47750	0.50000	0.53
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	19576	0.50000	0.54
$	29 Benzene-d6	84	5.176	5.182	(0.573)	147028	0.50000	0.52
	30 Benzene	78	5.225	5.225	(0.578)	160399	0.50000	0.53
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	24823	0.50000	0.55
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1098412	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	38778	0.50000	0.54
$	34 1,2-Dichloropropane-d6	67	6.101	6.107	(0.675)	39673	0.50000	0.54
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	61126	0.50000	0.52
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	31518	0.50000	0.52
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	35133	0.50000	0.55
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	43540	0.50000	0.52
	39 4-Methyl-2-pentanone	43	7.239	7.238	(0.801)	69608	5.00000	4.8(a)
$	40 Toluene-d8	98	7.342	7.342	(0.812)	130782	0.50000	0.52
	41 Toluene	91	7.421	7.421	(0.821)	157314	0.50000	0.51
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	26535	0.50000	0.51
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	27866	0.50000	0.49(a)
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	13254	0.50000	0.51
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	28238	0.50000	0.51
$	46 2-Hexanone-d5	63	8.163	8.157	(0.903)	19668	5.00000	4.3(a)
	47 2-Hexanone	43	8.224	8.218	(0.910)	43449	5.00000	4.6(a)
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	14681	0.50000	0.51
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	11578	0.50000	0.52
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	843993	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	88777	0.50000	0.53
	52 Ethylbenzene	91	9.210	9.210	(1.019)	180585	0.50000	0.52
	53 m,p-Xylene	106	9.356	9.355	(1.035)	69093	0.50000	0.53
	54 Styrene	104	9.848	9.848	(1.089)	90425	0.50000	0.52
	55 o-Xylene	106	9.830	9.830	(1.087)	58634	0.50000	0.50
	56 Bromoform	173	10.061	10.061	(0.848)	5565	0.50000	0.48(a)
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	181888	0.50000	0.53
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	12072	0.50000	0.52
	59 1,1,2,2-Tetrachloroethane	83	10.658	10.657	(1.179)	12937	0.50000	0.54
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	61634	0.50000	0.54
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	358552	5.00000	

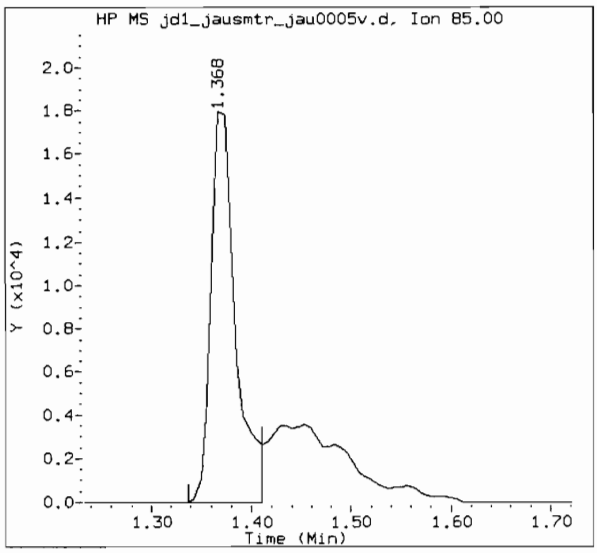
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.899	11.898	(1.003)	58987	0.50000	0.55
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	28114	0.50000	0.54
64 1,2-Dichlorobenzene	146	12.331	12.330	(1.039)	42755	0.50000	0.52
65 1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	2405	0.50000	0.67(Q)
66 1,2,4-Trichlorobenzene	180	14.010	14.016	(1.180)	22715	0.50000	0.50
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	17372	0.50000	0.54

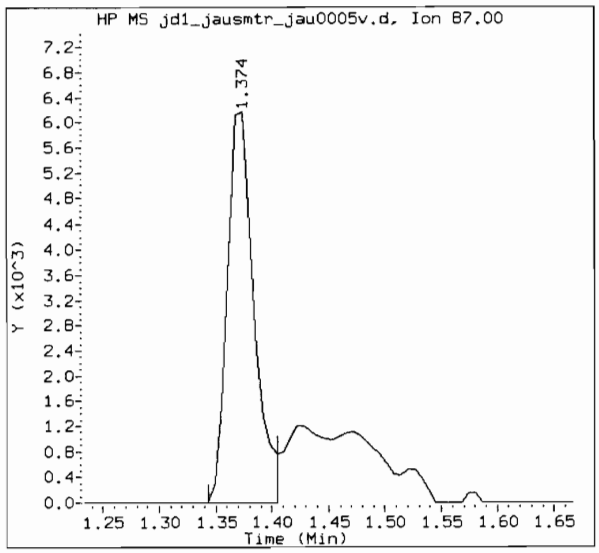
QC Flag Legend

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

MANUAL INTEGRATION REPORT

Data File Name: jau0005v.d
Inj. Date and Time: 25-MAY-2010 10:04
Target Version: Target 3.50
Client Sample ID: VSTD0.5JV
Instrument ID: J.i
Report Version: 1.1
Compound Name: Dichlorodifluoromethane
CAS #: 75-71-8
Report Date: 05/25/2010 16:52

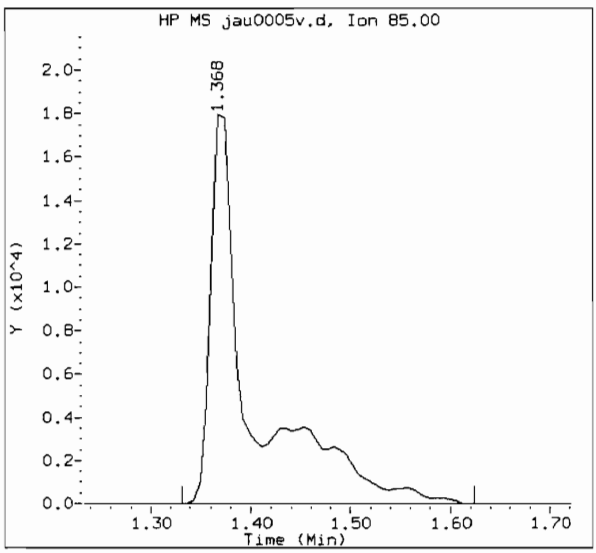


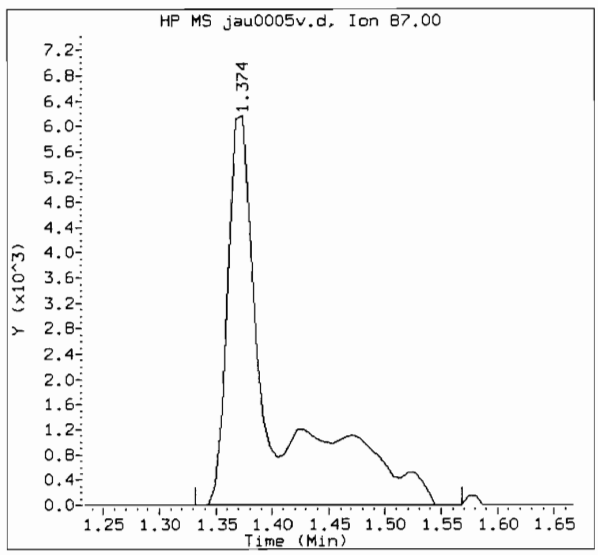


Original Integrations:

Area = 31011

Area = 10152





Final Integrations:

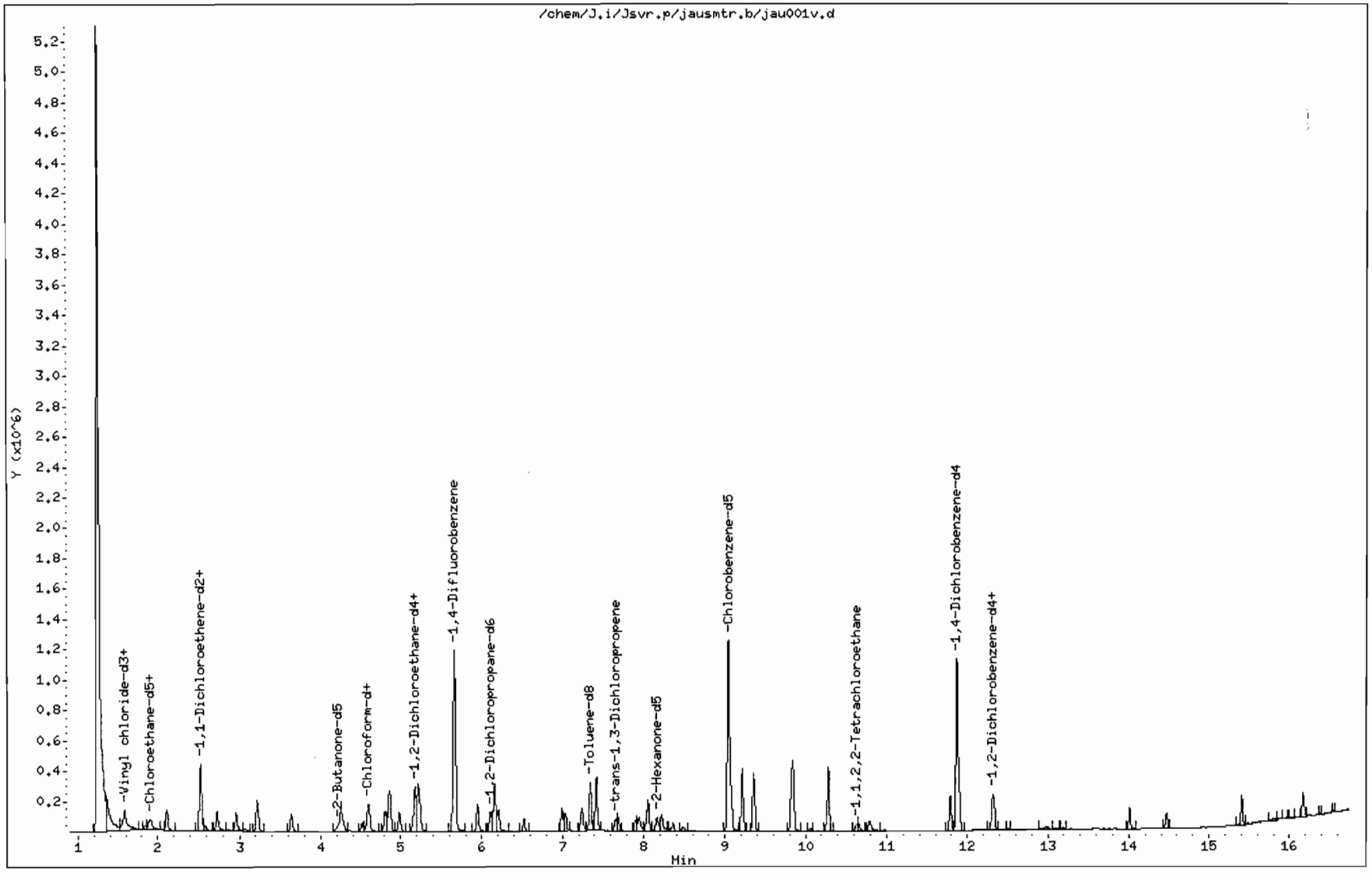
Area = 50998

Area = 16806

Manual Integration Reason: MI1 - Poor automated baseline

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau001v.d
Date : 25-MAY-2010 10:32
Client ID: VSTD001JV
Sample Info: JAU001V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/jau001v.d
Lab Smp Id: VSTD001JV Client Smp ID: VSTD001JV
Inj Date : 25-MAY-2010 10:32
Operator : JH2 Inst ID: J.i
Smp Info : JAU001V
Misc Info : VSTD001JV,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 25-May-2010 16:34 jdl Quant Type: ISTD
Cal Date : 25-MAY-2010 10:32 Cal File: jau001v.d
Als bottle: 2 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 * X* Uf/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

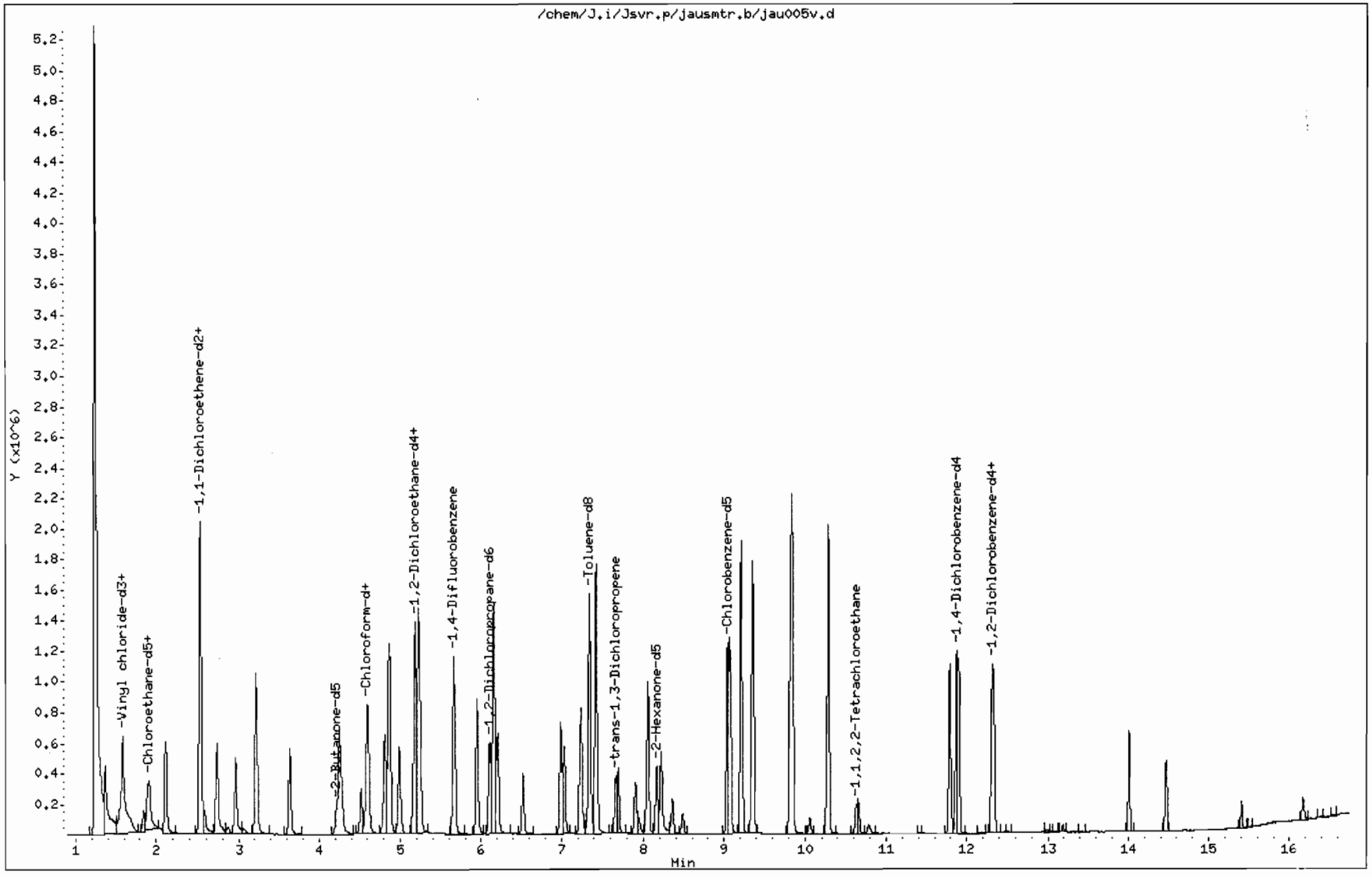
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.368	1.368	(0.242)	103977	1.00000	1.2
2	Chloromethane	50	1.569	1.569	(0.277)	102762	1.00000	0.99
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	89024	1.00000	0.95
4	Vinyl chloride	62	1.593	1.593	(0.282)	102419	1.00000	0.98
5	Bromomethane	94	1.842	1.842	(0.326)	48334	1.00000	0.95
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	67358	1.00000	0.98
7	Chloroethane	64	1.915	1.915	(0.339)	60284	1.00000	1.1
8	Trichlorofluoromethane	101	2.110	2.116	(0.373)	109041	1.00000	0.97
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	143386	1.00000	0.97
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	67095	1.00000	0.95
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	70080	1.00000	0.94
12	Acetone	43	2.585	2.584	(0.457)	32933	10.0000	9.5
13	Carbon disulfide	76	2.731	2.730	(0.483)	217133	1.00000	0.93
14	Methyl acetate	43	2.870	2.870	(0.507)	11847	1.00000	1.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	66969	1.00000	0.91
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	73805	1.00000	0.98
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.569)	48817	1.00000	1.1
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	130459	1.00000	0.99
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	55817	10.0000	10
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	70331	1.00000	1.0
	21 2-Butanone	43	4.288	4.288	(0.758)	62695	10.0000	9.6
	22 Bromochloromethane	128	4.519	4.519	(0.799)	20066	1.00000	1.0
$	23 Chloroform-d	84	4.592	4.586	(0.812)	117422	1.00000	1.00
	24 Chloroform	83	4.610	4.610	(0.815)	111201	1.00000	0.98
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	108311	1.00000	0.98
	26 Cyclohexane	56	4.866	4.866	(0.538)	158802	1.00000	0.98
	27 Carbon tetrachloride	117	4.988	4.987	(0.552)	89268	1.00000	0.96
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	37589	1.00000	0.98
$	29 Benzene-d6	84	5.182	5.182	(0.573)	283240	1.00000	0.98
	30 Benzene	78	5.225	5.225	(0.578)	300081	1.00000	0.96
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	48050	1.00000	0.98
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1105922	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	69040	1.00000	0.94
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	74163	1.00000	0.96
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	116821	1.00000	0.98
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	60936	1.00000	0.98
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	61404	1.00000	0.93
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	83165	1.00000	0.97
	39 4-Methyl-2-pentanone	43	7.239	7.238	(0.801)	139996	10.0000	10
$	40 Toluene-d8	98	7.342	7.342	(0.812)	247689	1.00000	0.97
	41 Toluene	91	7.421	7.421	(0.821)	300217	1.00000	0.97
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	51100	1.00000	0.98
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	57050	1.00000	1.0
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	26803	1.00000	1.0
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	53370	1.00000	0.97
$	46 2-Hexanone-d5	63	8.163	8.157	(0.903)	45151	10.0000	11
	47 2-Hexanone	43	8.218	8.218	(0.909)	96549	10.0000	11
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	28666	1.00000	0.99
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	22344	1.00000	0.98
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	847826	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	170860	1.00000	0.98
	52 Ethylbenzene	91	9.210	9.210	(1.019)	356503	1.00000	0.99
	53 m,p-Xylene	106	9.356	9.355	(1.035)	132006	1.00000	0.97
	54 Styrene	104	9.848	9.848	(1.089)	168715	1.00000	0.96
	55 o-Xylene	106	9.830	9.830	(1.087)	117919	1.00000	1.0
	56 Bromoform	173	10.061	10.061	(0.848)	11570	1.00000	1.0
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	333494	1.00000	0.95
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	22275	1.00000	0.96
	59 1,1,2,2-Tetrachloroethane	83	10.657	10.657	(1.179)	22964	1.00000	0.94
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	111257	1.00000	0.96
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	349472	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	62 1,4-Dichlorobenzene	146	11.899	11.898	(1.003)	106233	1.00000	0.96
$	63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	51894	1.00000	0.97
	64 1,2-Dichlorobenzene	146	12.330	12.330	(1.039)	82351	1.00000	0.99
	65 1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	3469	1.00000	0.85
	66 1,2,4-Trichlorobenzene	180	14.010	14.016	(1.180)	43670	1.00000	0.99
	67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	31750	1.00000	0.97

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau005v.d
Date : 25-MAY-2010 10:59
Client ID: VSTD005JV
Sample Info: JAU005V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/jau005v.d
Lab Smp Id: VSTD005JV Client Smp ID: VSTD005JV
Inj Date : 25-MAY-2010 10:59
Operator : JH2 Inst ID: J.i
Smp Info : JAU005V
Misc Info : VSTD005JV,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 25-May-2010 16:34 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:59 Cal File: jau005v.d
Als bottle: 3 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 * X* Uf/Vo * CpndVariable

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

Cpnd Variable Local Compound Variable

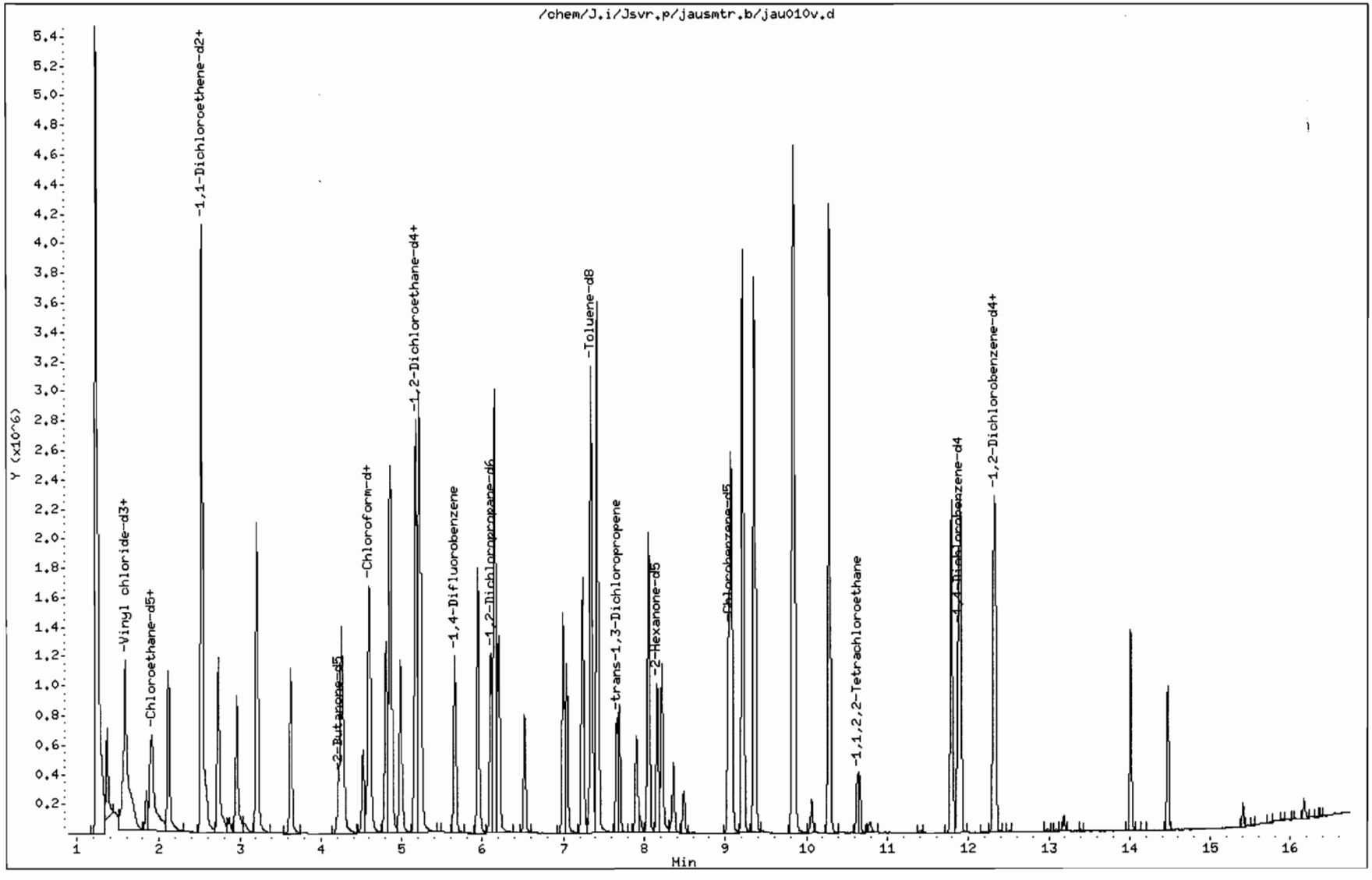
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.368	1.368	(0.242)	498815	5.00000	5.7
	2 Chloromethane	50	1.569	1.569	(0.277)	476063	5.00000	4.8
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.280)	434037	5.00000	4.8
	4 Vinyl chloride	62	1.593	1.593	(0.282)	501553	5.00000	4.9
	5 Bromomethane	94	1.842	1.842	(0.326)	220844	5.00000	4.6
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	328269	5.00000	4.9
	7 Chloroethane	64	1.915	1.915	(0.339)	277655	5.00000	5.2
	8 Trichlorofluoromethane	101	2.116	2.116	(0.374)	533842	5.00000	4.9
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	704295	5.00000	4.9
	10 1,1-Dichloroethene	96	2.536	2.536	(0.448)	325580	5.00000	4.8
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	344309	5.00000	4.8
	12 Acetone	43	2.584	2.584	(0.457)	132301	50.0000	42
	13 Carbon disulfide	76	2.730	2.730	(0.483)	1030401	5.00000	4.7
	14 Methyl acetate	43	2.870	2.870	(0.507)	54591	5.00000	4.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	294050	5.00000	4.3
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	347271	5.00000	4.8
	17 Methyl tert-butyl ether	73	3.211	3.211	(0.568)	330469	5.00000	6.5
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	646583	5.00000	5.0
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	267052	50.0000	50
	20 cis-1,2-Dichloroethene	96	4.257	4.257	(0.753)	335092	5.00000	4.9
	21 2-Butanone	43	4.288	4.288	(0.758)	284960	50.0000	46
	22 Bromochloromethane	128	4.519	4.519	(0.799)	93928	5.00000	4.9
$	23 Chloroform-d	84	4.586	4.586	(0.811)	565922	5.00000	4.9
	24 Chloroform	83	4.610	4.610	(0.815)	542551	5.00000	4.9
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	530481	5.00000	5.1
	26 Cyclohexane	56	4.866	4.866	(0.538)	746254	5.00000	4.9
	27 Carbon tetrachloride	117	4.987	4.987	(0.552)	432187	5.00000	5.0
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	175068	5.00000	4.8
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1361426	5.00000	5.0
	30 Benzene	78	5.225	5.225	(0.578)	1462174	5.00000	5.0
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	222102	5.00000	4.7
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1083673	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	346221	5.00000	5.0
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	347516	5.00000	4.9
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	573186	5.00000	5.0
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	297207	5.00000	5.0
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	310368	5.00000	5.0
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	415675	5.00000	5.1
	39 4-Methyl-2-pentanone	43	7.238	7.238	(0.801)	729064	50.0000	53
$	40 Toluene-d8	98	7.342	7.342	(0.812)	1243263	5.00000	5.1
	41 Toluene	91	7.421	7.421	(0.821)	1499003	5.00000	5.1
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	252691	5.00000	5.1
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	281002	5.00000	5.2
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	127539	5.00000	5.0
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	274046	5.00000	5.2
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	227730	50.0000	54
	47 2-Hexanone	43	8.218	8.218	(0.909)	468778	50.0000	53
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	137481	5.00000	5.0
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	106012	5.00000	5.0
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	799913	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	789274	5.00000	4.9
	52 Ethylbenzene	91	9.210	9.210	(1.019)	1658417	5.00000	4.9
	53 m,p-Xylene	106	9.355	9.355	(1.035)	621820	5.00000	4.9
	54 Styrene	104	9.848	9.848	(1.089)	830367	5.00000	5.0
	55 o-Xylene	106	9.830	9.830	(1.087)	566170	5.00000	5.1
	56 Bromoform	173	10.061	10.061	(0.848)	56784	5.00000	5.0
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	1629208	5.00000	5.0
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	111310	5.00000	5.0
	59 1,1,2,2-Tetrachloroethane	83	10.657	10.657	(1.179)	114664	5.00000	5.0
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	544328	5.00000	4.8
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	349380	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.898	11.898	(1.003)	514076	5.00000	4.8
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	248439	5.00000	4.8
64 1,2-Dichlorobenzene	146	12.330	12.330	(1.039)	396111	5.00000	4.9
65 1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	15915	5.00000	4.2
66 1,2,4-Trichlorobenzene	180	14.016	14.016	(1.181)	220286	5.00000	5.0
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	148542	5.00000	4.7

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau010v.d
Date : 25-MAY-2010 11:28
Client ID: VSTD010JV
Sample Info: JAU010V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/jau010v.d
Lab Smp Id: VSTD010JV Client Smp ID: VSTD010JV
Inj Date : 25-MAY-2010 11:28
Operator : JH2 Inst ID: J.i
Smp Info : JAU010V
Misc Info : VSTD010JV,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 25-May-2010 16:34 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 11:28 Cal File: jau010v.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

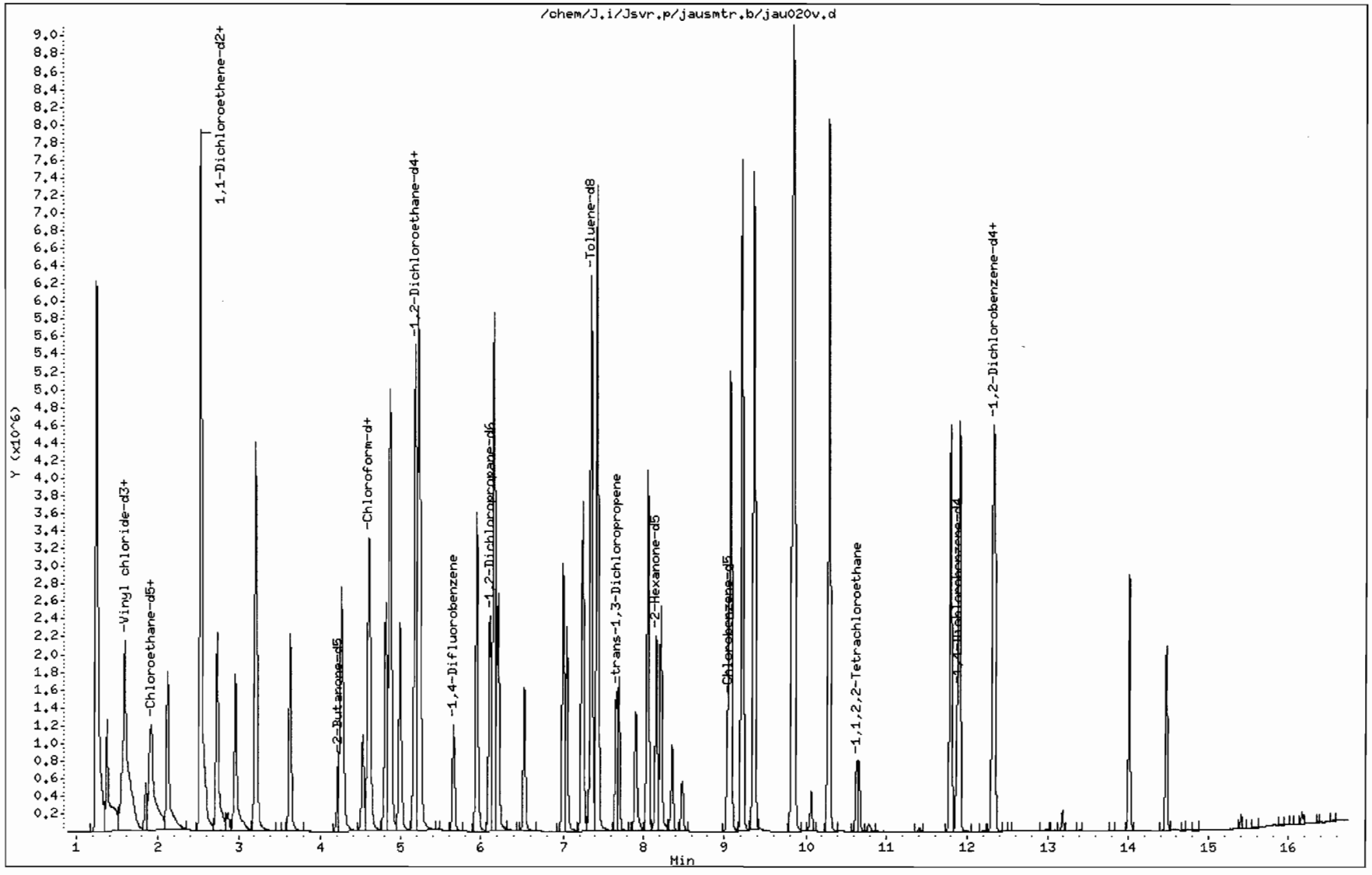
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.368	1.368	(0.242)	1003356	10.0000	11
	2 Chloromethane	50	1.569	1.569	(0.277)	1013448	10.0000	9.9
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	886746	10.0000	9.7
	4 Vinyl chloride	62	1.593	1.593	(0.282)	996279	10.0000	9.6
	5 Bromomethane	94	1.842	1.842	(0.326)	466805	10.0000	9.6
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	661377	10.0000	9.7
	7 Chloroethane	64	1.915	1.915	(0.339)	551390	10.0000	10
	8 Trichlorofluoromethane	101	2.116	2.116	(0.374)	1077073	10.0000	9.7
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	1420387	10.0000	9.7
	10 1,1-Dichloroethene	96	2.536	2.536	(0.448)	654592	10.0000	9.6
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	700133	10.0000	9.6
	12 Acetone	43	2.585	2.584	(0.457)	267347	100.000	86
	13 Carbon disulfide	76	2.731	2.730	(0.483)	2130996	10.0000	9.5
	14 Methyl acetate	43	2.864	2.870	(0.506)	106372	10.0000	9.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	553793	10.0000	8.4
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	700477	10.0000	9.5
	17 Methyl tert-butyl ether	73	3.211	3.211	(0.568)	671361	10.0000	12
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	1312663	10.0000	9.9
$	19 2-Butanone-d5	46	4.215	4.221	(0.745)	550465	100.000	100
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	674617	10.0000	9.7
	21 2-Butanone	43	4.282	4.288	(0.757)	595884	100.000	95
	22 Bromochloromethane	128	4.519	4.519	(0.799)	192818	10.0000	9.9
$	23 Chloroform-d	84	4.586	4.586	(0.811)	1128284	10.0000	9.7
	24 Chloroform	83	4.610	4.610	(0.815)	1069848	10.0000	9.6
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	1055774	10.0000	9.5
	26 Cyclohexane	56	4.866	4.866	(0.538)	1509963	10.0000	9.5
	27 Carbon tetrachloride	117	4.988	4.987	(0.552)	885193	10.0000	9.6
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	352029	10.0000	9.5
$	29 Benzene-d6	84	5.182	5.182	(0.573)	2780304	10.0000	9.6
	30 Benzene	78	5.225	5.225	(0.578)	2942208	10.0000	9.5
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	432239	10.0000	9.2
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1114782	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	714045	10.0000	9.7
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	707781	10.0000	9.4
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	1161808	10.0000	9.7
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	618231	10.0000	9.8
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	629960	10.0000	9.6
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	822442	10.0000	9.6
	39 4-Methyl-2-pentanone	43	7.232	7.238	(0.800)	1483145	100.000	100
$	40 Toluene-d8	98	7.342	7.342	(0.812)	2516694	10.0000	9.7
	41 Toluene	91	7.421	7.421	(0.821)	3068210	10.0000	9.8
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	509807	10.0000	9.7
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	583487	10.0000	10
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	250361	10.0000	9.4
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	562706	10.0000	9.9
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	475856	100.000	100
	47 2-Hexanone	43	8.218	8.218	(0.909)	947488	100.000	99
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	293425	10.0000	10
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	215732	10.0000	9.5
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	857320	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	1629540	10.0000	9.5
	52 Ethylbenzene	91	9.210	9.210	(1.019)	3442494	10.0000	9.6
	53 m,p-Xylene	106	9.356	9.355	(1.035)	1295939	10.0000	9.7
	54 Styrene	104	9.848	9.848	(1.089)	1738226	10.0000	9.8
	55 o-Xylene	106	9.830	9.830	(1.087)	1162596	10.0000	9.8
	56 Bromoform	173	10.061	10.061	(0.847)	119585	10.0000	10
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	3419318	10.0000	9.8
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	231004	10.0000	9.8
	59 1,1,2,2-Tetrachloroethane	83	10.658	10.657	(1.179)	233464	10.0000	9.6
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	1119386	10.0000	9.7
*	61 1,4-Dichlorobenzene-d4	152	11.874	11.868	(1.000)	359461	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.899	11.898	(1.002)	1044949	10.0000	9.5
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	510402	10.0000	9.6
64 1,2-Dichlorobenzene	146	12.330	12.330	(1.038)	823498	10.0000	9.9
65 1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	30573	10.0000	8.3
66 1,2,4-Trichlorobenzene	180	14.016	14.016	(1.180)	455208	10.0000	10
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	305473	10.0000	9.5

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau020v.d
Date : 25-MAY-2010 11:55
Client ID: VSTD020JV
Sample Info: JAU020V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/jau020v.d
Lab Smp Id: VSTD020JV Client Smp ID: VSTD020JV
Inj Date : 25-MAY-2010 11:55
Operator : JH2 Inst ID: J.i
Smp Info : JAU020V
Misc Info : VSTD020JV,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 25-May-2010 16:34 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 11:55 Cal File: jau020v.d
Als bottle: 5 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.374	1.368	(0.243)	1991956	20.0000	21(A)
	2 Chloromethane	50	1.569	1.569	(0.277)	2009405	20.0000	19
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.280)	1758389	20.0000	19
	4 Vinyl chloride	62	1.593	1.593	(0.281)	1997299	20.0000	19
	5 Bromomethane	94	1.842	1.842	(0.325)	946546	20.0000	19
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	1329445	20.0000	19
	7 Chloroethane	64	1.915	1.915	(0.338)	1117572	20.0000	20
	8 Trichlorofluoromethane	101	2.116	2.116	(0.374)	2108181	20.0000	19
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	2813718	20.0000	19
	10 1,1-Dichloroethene	96	2.536	2.536	(0.448)	1307066	20.0000	19
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	1392183	20.0000	19
	12 Acetone	43	2.585	2.584	(0.456)	588151	200.000	190
	13 Carbon disulfide	76	2.731	2.730	(0.482)	4171011	20.0000	19
	14 Methyl acetate	43	2.864	2.870	(0.506)	214387	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.523)	1095108	20.0000	17
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.568)	1387645	20.0000	19
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.568)	1565536	20.0000	26(A)
	18 1,1-Dichloroethane	63	3.637	3.637	(0.642)	2617876	20.0000	20
$	19 2-Butanone-d5	46	4.215	4.221	(0.744)	1181362	200.000	210(A)
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.752)	1329123	20.0000	19
	21 2-Butanone	43	4.282	4.288	(0.756)	1249644	200.000	200
	22 Bromochloromethane	128	4.525	4.519	(0.799)	379065	20.0000	19
$	23 Chloroform-d	84	4.592	4.586	(0.811)	2259539	20.0000	19
	24 Chloroform	83	4.610	4.610	(0.814)	2120218	20.0000	19
	25 1,1,1-Trichloroethane	97	4.811	4.805	(0.532)	2102053	20.0000	19
	26 Cyclohexane	56	4.866	4.866	(0.538)	2986156	20.0000	19
	27 Carbon tetrachloride	117	4.988	4.987	(0.552)	1781456	20.0000	19
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.912)	704770	20.0000	19
$	29 Benzene-d6	84	5.182	5.182	(0.573)	5516470	20.0000	19
	30 Benzene	78	5.225	5.225	(0.578)	5865416	20.0000	19
	31 1,2-Dichloroethane	62	5.249	5.249	(0.927)	877397	20.0000	19
*	32 1,4-Difluorobenzene	114	5.663	5.657	(1.000)	1135534	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	1402597	20.0000	19
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	1402674	20.0000	19
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	2293181	20.0000	19
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	1196469	20.0000	19
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	1271796	20.0000	19
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	1690326	20.0000	20
	39 4-Methyl-2-pentanone	43	7.239	7.238	(0.801)	3126586	200.000	210(A)
$	40 Toluene-d8	98	7.348	7.342	(0.813)	5087765	20.0000	20
	41 Toluene	91	7.421	7.421	(0.821)	6164221	20.0000	20
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	1052873	20.0000	20
	43 trans-1,3-Dichloropropene	75	7.695	7.689	(0.851)	1176446	20.0000	20
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	506783	20.0000	19
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	1138066	20.0000	20
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	1035695	200.000	220(A)
	47 2-Hexanone	43	8.218	8.218	(0.909)	2027419	200.000	210(A)
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	591365	20.0000	20
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	444215	20.0000	20
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	868935	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	3310099	20.0000	19
	52 Ethylbenzene	91	9.216	9.210	(1.020)	6869036	20.0000	19
	53 m,p-Xylene	106	9.356	9.355	(1.035)	2579854	20.0000	19
	54 Styrene	104	9.848	9.848	(1.089)	3450898	20.0000	19
	55 o-Xylene	106	9.830	9.830	(1.087)	2323786	20.0000	19
	56 Bromoform	173	10.061	10.061	(0.847)	250684	20.0000	20(A)
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	6757012	20.0000	19
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	477545	20.0000	20(A)
	59 1,1,2,2-Tetrachloroethane	83	10.657	10.657	(1.179)	475704	20.0000	19
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	2294823	20.0000	19
*	61 1,4-Dichlorobenzene-d4	152	11.874	11.868	(1.000)	382452	5.00000	(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.899	11.898	(1.002)	2204818	20.0000	19
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	1040631	20.0000	19
64 1,2-Dichlorobenzene	146	12.330	12.330	(1.038)	1656592	20.0000	19
65 1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	68328	20.0000	18
66 1,2,4-Trichlorobenzene	180	14.016	14.016	(1.180)	965754	20.0000	20(A)
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	666103	20.0000	20

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

6A - FORM VI VOA-1
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date(s): 05/27/2010 05/27/2010

Heated Purge: (Y/N)N Calibration Time(s): 0818 1010

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = JAV0005V RRF1.0 = JAV001V
RRF5.0 = JAV005V RRF10 = JAV010V RRF20 = JAV020V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
Dichlorodifluoromethane	0.472	0.495	0.470	0.488	0.450	0.475	3.7
Chloromethane	0.515	0.513	0.509	0.530	0.488	0.511	3.0
Vinyl chloride	0.497	0.514	0.491	0.511	0.468	0.496	3.7
Bromomethane	0.239	0.239	0.221	0.232	0.210	0.228	5.5
Chloroethane	0.276	0.281	0.280	0.285	0.262	0.277	3.3
Trichlorofluoromethane	0.496	0.520	0.497	0.516	0.476	0.501	3.5
1,1-Dichloroethene	0.325	0.318	0.314	0.317	0.297	0.314	3.3
1,1,2-Trichloro-1,2,2-trifluoroethane	0.309	0.342	0.325	0.330	0.312	0.323	4.2
Acetone	0.022	0.019	0.015	0.014	0.014	0.017	20.9
Carbon disulfide	1.163	1.094	1.011	1.043	0.979	1.058	6.8
Methyl acetate	0.071	0.067	0.053	0.054	0.051	0.059	15.3
Methylene chloride	0.260	0.271	0.257	0.256	0.240	0.257	4.3
trans-1,2-Dichloroethene	0.370	0.339	0.325	0.330	0.309	0.335	6.8
Methyl tert-butyl ether	0.313	0.333	0.355	0.359	0.364	0.345	6.2
1,1-Dichloroethane	0.635	0.664	0.634	0.634	0.616	0.637	2.8
cis-1,2-Dichloroethene	0.300	0.334	0.301	0.322	0.304	0.312	4.8
2-Butanone	0.029	0.032	0.029	0.031	0.029	0.030	4.0
Bromochloromethane	0.087	0.096	0.088	0.087	0.085	0.089	4.9
Chloroform	0.520	0.551	0.509	0.512	0.493	0.517	4.1
1,1,1-Trichloroethane	0.716	0.713	0.639	0.635	0.629	0.666	6.6
Cyclohexane	1.053	1.074	0.960	0.951	0.949	0.997	6.1
Carbon tetrachloride	0.620	0.582	0.537	0.540	0.542	0.564	6.4
Benzene	2.171	2.098	1.851	1.843	1.856	1.964	8.0
1,2-Dichloroethane	0.215	0.210	0.213	0.207	0.207	0.211	1.6
Trichloroethene	0.499	0.473	0.437	0.430	0.425	0.453	7.0
Methylcyclohexane	0.780	0.793	0.744	0.738	0.723	0.756	3.9

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

6B - FORM VI VOA-2
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date(s): 05/27/2010 05/27/2010

Heated Purge: (Y/N)N Calibration Time(s): 0818 1010

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = JAV0005V RRF1.0 = JAV001V
RRF5.0 = JAV005V RRF10 = JAV010V RRF20 = JAV020V

COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
1,2-Dichloropropane	0.439	0.441	0.391	0.389	0.368	0.406	8.1
Bromodichloromethane	0.413	0.423	0.380	0.383	0.380	0.396	5.1
cis-1,3-Dichloropropene	0.540	0.563	0.523	0.515	0.517	0.532	3.7
4-Methyl-2-pentanone	0.097	0.110	0.094	0.098	0.101	0.100	6.2
Toluene	2.022	2.063	1.851	1.890	1.887	1.943	4.8
trans-1,3-Dichloropropene	0.347	0.388	0.360	0.356	0.358	0.362	4.3
1,1,2-Trichloroethane	0.165	0.164	0.155	0.152	0.152	0.158	4.1
Tetrachloroethene	0.357	0.356	0.336	0.344	0.330	0.345	3.5
2-Hexanone	0.061	0.060	0.063	0.063	0.062	0.062	2.1
Dibromochloromethane	0.167	0.171	0.173	0.182	0.178	0.174	3.3
1,2-Dibromoethane	0.132	0.146	0.134	0.134	0.132	0.136	4.3
Chlorobenzene	1.037	1.066	0.976	1.025	0.985	1.017	3.7
Ethylbenzene	2.256	2.257	2.088	2.148	2.078	2.166	4.0
o-Xylene	0.797	0.748	0.723	0.744	0.721	0.747	4.1
m,p-Xylene	0.804	0.826	0.786	0.812	0.788	0.803	2.1
Styrene	1.079	1.110	1.064	1.097	1.072	1.085	1.7
Bromoform	0.142	0.165	0.165	0.179	0.169	0.164	8.1
Isopropylbenzene	2.134	2.236	2.072	2.137	2.078	2.132	3.1
1,1,2,2-Tetrachloroethane	0.145	0.164	0.143	0.152	0.148	0.151	5.4
1,3-Dichlorobenzene	1.625	1.606	1.542	1.578	1.537	1.578	2.5
1,4-Dichlorobenzene	1.592	1.552	1.479	1.491	1.467	1.516	3.5
1,2-Dichlorobenzene	1.192	1.234	1.089	1.150	1.114	1.156	5.0
1,2-Dibromo-3-chloropropane	0.054	0.050	0.041	0.042	0.046	0.047	11.3
1,2,4-Trichlorobenzene	0.626	0.651	0.593	0.627	0.622	0.624	3.3
1,2,3-Trichlorobenzene	0.367	0.416	0.382	0.433	0.419	0.404	6.9

SOM01.2

6C - FORM VI VOA-3
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date(s): 05/27/2010 05/27/2010

Heated Purge: (Y/N)N Calibration Time(s): 0818 1010

Purge Volume: 25.0 (mL)

GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

LAB FILE ID: RRF0.5 = JAV0005V RRF1.0 = JAV001V
RRF5.0 = JAV005V RRF10 = JAV010V RRF20 = JAV020V

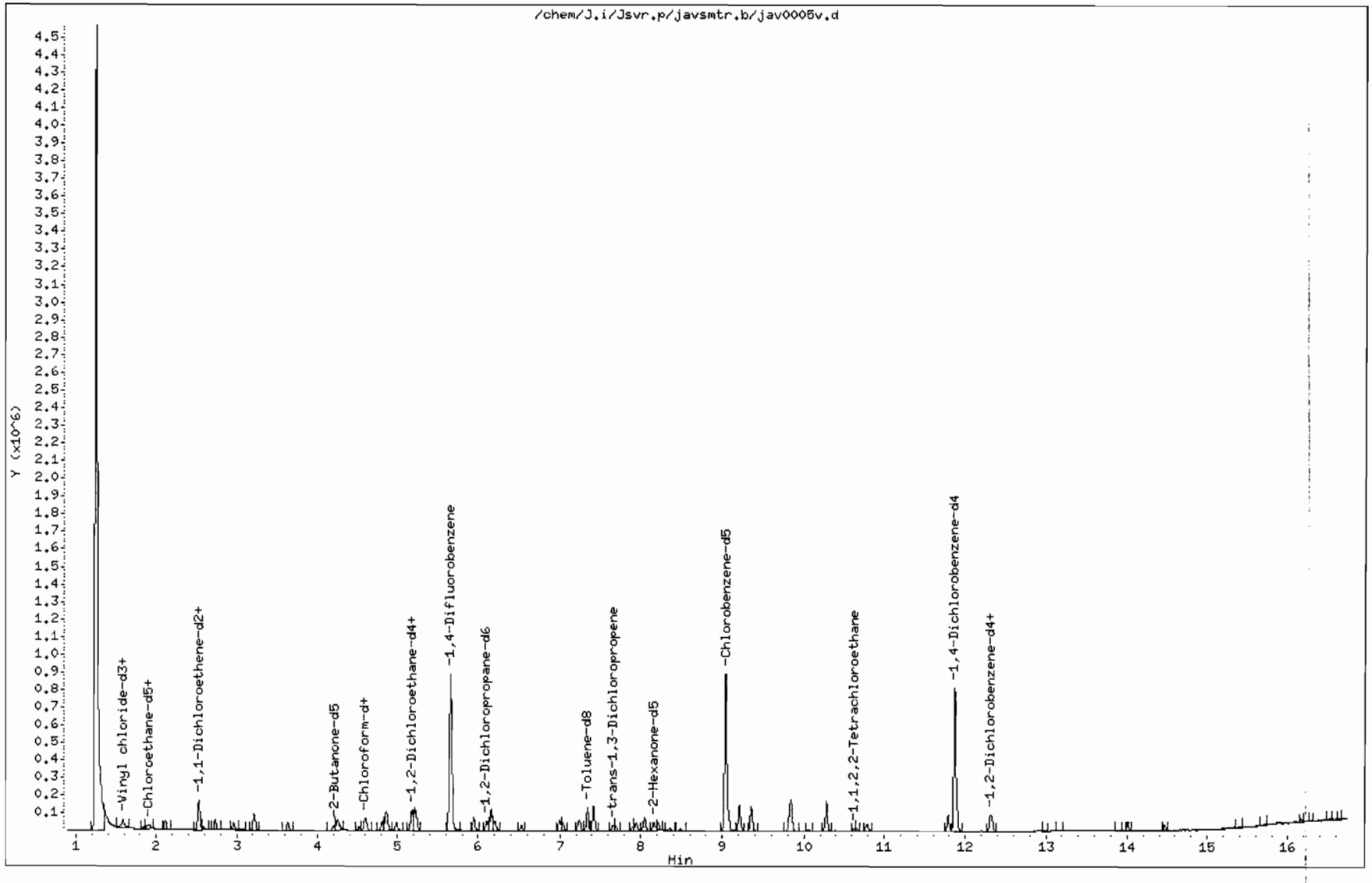
COMPOUND	RRF0.5	RRF1.0	RRF5.0	RRF10	RRF20	$\overline{RRF}$	%RSD
Vinyl chloride-d3	0.444	0.455	0.436	0.448	0.410	0.439	4.0
Chloroethane-d5	0.332	0.352	0.326	0.341	0.308	0.332	5.0
1,1-Dichloroethene-d2	0.705	0.718	0.688	0.700	0.657	0.694	3.3
2-Butanone-d5	0.039	0.030	0.027	0.027	0.028	0.030	16.6
Chloroform-d	0.554	0.577	0.538	0.545	0.523	0.547	3.6
1,2-Dichloroethane-d4	0.172	0.186	0.162	0.170	0.165	0.171	5.5
Benzene-d6	1.957	1.951	1.710	1.720	1.724	1.813	7.1
1,2-Dichloropropane-d6	0.526	0.495	0.453	0.446	0.438	0.472	7.9
Toluene-d8	1.667	1.704	1.498	1.543	1.541	1.591	5.6
trans-1,3-Dichloropropene-d4	0.352	0.345	0.308	0.317	0.314	0.327	6.1
2-Hexanone-d5	0.035	0.029	0.030	0.029	0.029	0.031	8.9
1,1,2,2-Tetrachloroethane-d2	0.154	0.164	0.146	0.152	0.148	0.153	4.5
1,2-Dichlorobenzene-d4	0.887	0.790	0.703	0.707	0.697	0.757	10.8

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav0005v.d
Date : 27-MAY-2010 08:18
Client ID: VSTD0.5JA
Sample Info: JAV0005V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/jav0005v.d
Lab Smp Id: VSTD0.5JA Client Smp ID: VSTD0.5JA
Inj Date : 27-MAY-2010 08:18
Operator : JH2 Inst ID: J.i
Smp Info : JAV0005V
Misc Info : VSTD0.5JA,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:16 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 08:18 Cal File: jav0005v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.374	1.374	(0.243)	38589	0.50000	0.50
2	Chloromethane	50	1.569	1.569	(0.277)	42076	0.50000	0.50
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.280)	36275	0.50000	0.50
4	Vinyl chloride	62	1.593	1.593	(0.282)	40600	0.50000	0.50
5	Bromomethane	94	1.842	1.842	(0.326)	19505	0.50000	0.50
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	27126	0.50000	0.50
7	Chloroethane	64	1.921	1.922	(0.340)	22567	0.50000	0.50
8	Trichlorofluoromethane	101	2.116	2.116	(0.374)	40541	0.50000	0.50
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	57608	0.50000	0.50
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	26534	0.50000	0.50
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	25253	0.50000	0.50
12	Acetone	43	2.591	2.585	(0.458)	17736	5.00000	5.0
13	Carbon disulfide	76	2.737	2.737	(0.484)	95037	0.50000	0.50
14	Methyl acetate	43	2.870	2.871	(0.507)	5796	0.50000	0.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	21286	0.50000	0.50
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	30253	0.50000	0.50
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.569)	25590	0.50000	0.50
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	51872	0.50000	0.50
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	31699	5.00000	5.0
	20 cis-1,2-Dichloroethene	96	4.257	4.258	(0.753)	24529	0.50000	0.50
	21 2-Butanone	43	4.288	4.288	(0.758)	23451	5.00000	5.0
	22 Bromochloromethane	128	4.519	4.519	(0.799)	7114	0.50000	0.50
$	23 Chloroform-d	84	4.592	4.592	(0.812)	45295	0.50000	0.50
	24 Chloroform	83	4.610	4.610	(0.815)	42481	0.50000	0.50
	25 1,1,1-Trichloroethane	97	4.805	4.811	(0.532)	41643	0.50000	0.50
	26 Cyclohexane	56	4.860	4.866	(0.538)	61264	0.50000	0.50
	27 Carbon tetrachloride	117	4.987	4.988	(0.552)	36063	0.50000	0.50
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	14074	0.50000	0.50
$	29 Benzene-d6	84	5.176	5.182	(0.573)	113866	0.50000	0.50
	30 Benzene	78	5.225	5.225	(0.578)	126287	0.50000	0.50
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	17564	0.50000	0.50
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	817246	5.00000	
	33 Trichloroethene	95	5.943	5.949	(0.657)	29013	0.50000	0.50
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	30618	0.50000	0.50
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	45389	0.50000	0.50
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	25537	0.50000	0.50
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	24006	0.50000	0.50
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	31415	0.50000	0.50
	39 4-Methyl-2-pentanone	43	7.238	7.239	(0.801)	56274	5.00000	5.0
$	40 Toluene-d8	98	7.342	7.342	(0.812)	96990	0.50000	0.50
	41 Toluene	91	7.421	7.421	(0.821)	117631	0.50000	0.50
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	20476	0.50000	0.50
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	20170	0.50000	0.50
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	9623	0.50000	0.50
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	20798	0.50000	0.50
$	46 2-Hexanone-d5	63	8.163	8.157	(0.903)	20568	5.00000	5.0(Q)
	47 2-Hexanone	43	8.218	8.218	(0.909)	35768	5.00000	5.0
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	9702	0.50000	0.50
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	7672	0.50000	0.50
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	581778	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	60306	0.50000	0.50
	52 Ethylbenzene	91	9.210	9.210	(1.019)	131272	0.50000	0.50
	53 m,p-Xylene	106	9.355	9.356	(1.035)	46753	0.50000	0.50
	54 Styrene	104	9.848	9.848	(1.089)	62793	0.50000	0.50
	55 o-Xylene	106	9.830	9.830	(1.087)	46382	0.50000	0.50
	56 Bromoform	173	10.067	10.061	(0.848)	3530	0.50000	0.50
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	124163	0.50000	0.50
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	8971	0.50000	0.50
	59 1,1,2,2-Tetrachloroethane	83	10.657	10.658	(1.179)	8448	0.50000	0.50
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	40289	0.50000	0.50
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	247929	5.00000	

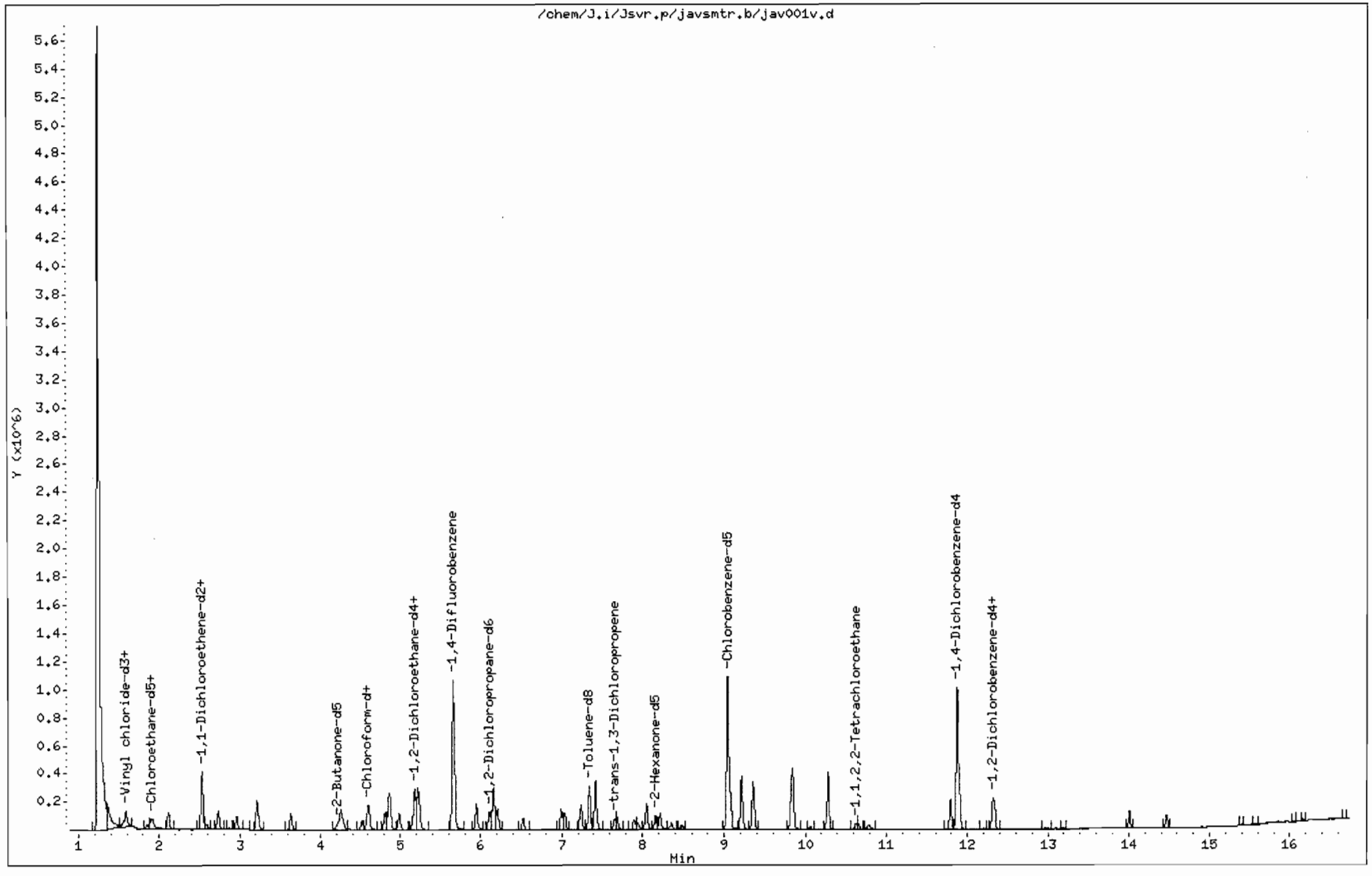
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.898	11.899	(1.003)	39470	0.50000	0.50
$ 63	1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	21986	0.50000	0.50
64	1,2-Dichlorobenzene	146	12.330	12.330	(1.039)	29546	0.50000	0.50
65	1,2-Dibromo-3-chloropropane	75	13.194	13.188	(1.112)	1331	0.50000	0.50
66	1,2,4-Trichlorobenzene	180	14.016	14.010	(1.181)	15513	0.50000	0.50
67	1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	9095	0.50000	0.50

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav001v.d
Date : 27-MAY-2010 08:45
Client ID: VSTD001JA
Sample Info: JAV001V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/jav001v.d
Lab Smp Id: VSTD001JA Client Smp ID: VSTD001JA
Inj Date : 27-MAY-2010 08:45
Operator : JH2 Inst ID: J.i
Smp Info : JAV001V
Misc Info : VSTD001JA,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:16 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 08:45 Cal File: jav001v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.374	1.374	(0.243)	95982	1.00000	1.0
	2 Chloromethane	50	1.563	1.569	(0.276)	99389	1.00000	1.00
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	88321	1.00000	1.0
	4 Vinyl chloride	62	1.593	1.593	(0.282)	99662	1.00000	1.0
	5 Bromomethane	94	1.848	1.842	(0.327)	46398	1.00000	1.0
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	68317	1.00000	1.0
	7 Chloroethane	64	1.922	1.922	(0.340)	54395	1.00000	1.0
	8 Trichlorofluoromethane	101	2.116	2.116	(0.374)	100844	1.00000	1.0
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	139217	1.00000	1.0
	10 1,1-Dichloroethene	96	2.536	2.536	(0.448)	61585	1.00000	0.99
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	66285	1.00000	1.1
	12 Acetone	43	2.585	2.585	(0.457)	35954	10.0000	9.2
	13 Carbon disulfide	76	2.737	2.737	(0.484)	212079	1.00000	0.97
	14 Methyl acetate	43	2.871	2.871	(0.507)	13044	1.00000	0.97

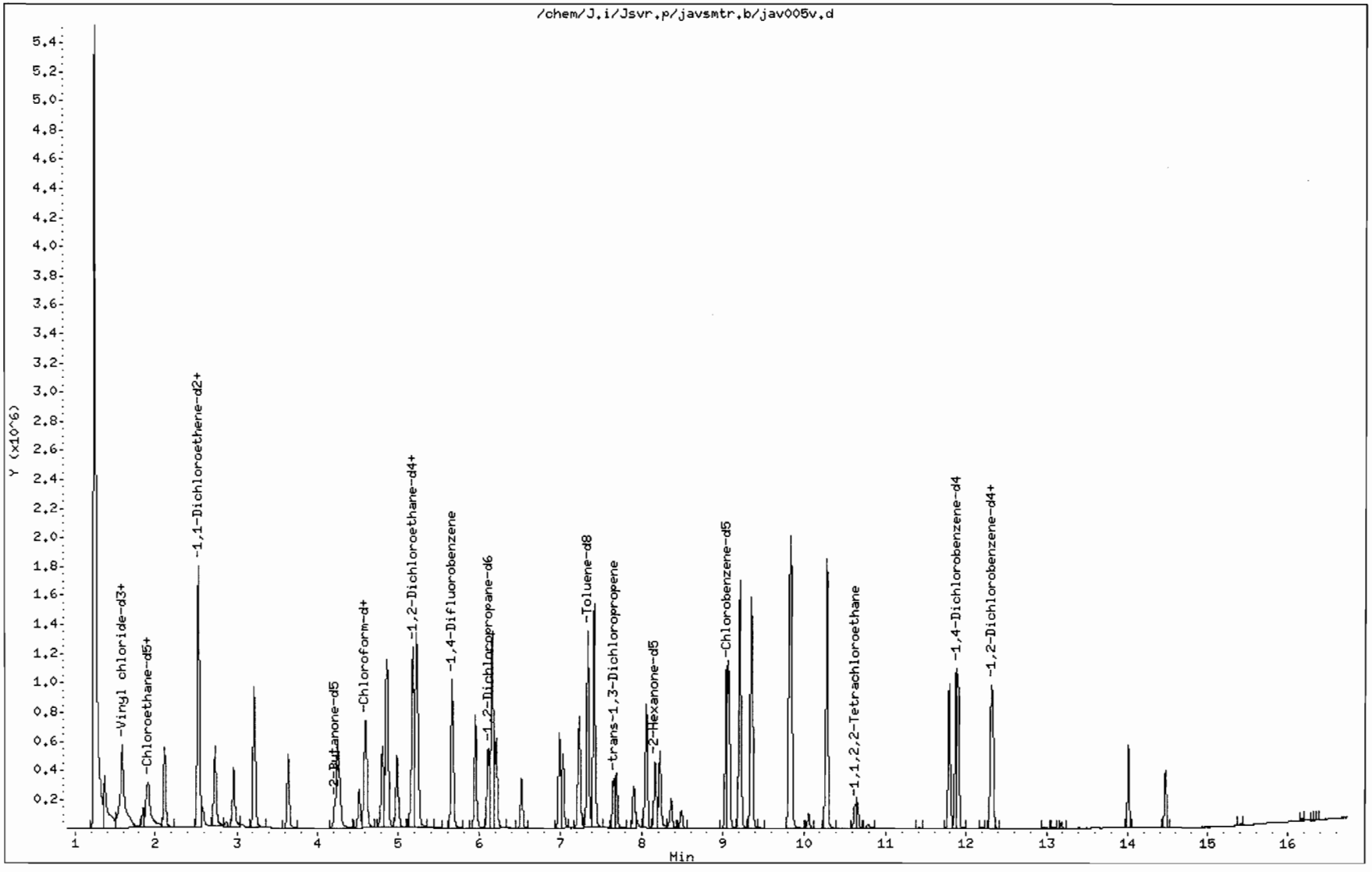
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	52546	1.00000	1.0
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	65764	1.00000	0.96
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.569)	64523	1.00000	1.0
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	128843	1.00000	1.0
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	59077	10.0000	8.8
	20 cis-1,2-Dichloroethene	96	4.258	4.258	(0.753)	64675	1.00000	1.1
	21 2-Butanone	43	4.288	4.288	(0.758)	61181	10.0000	10
	22 Bromochloromethane	128	4.519	4.519	(0.799)	18656	1.00000	1.0
$	23 Chloroform-d	84	4.592	4.592	(0.812)	111790	1.00000	1.0
	24 Chloroform	83	4.610	4.610	(0.815)	106818	1.00000	1.0
	25 1,1,1-Trichloroethane	97	4.805	4.811	(0.532)	100429	1.00000	1.00
	26 Cyclohexane	56	4.866	4.866	(0.538)	151396	1.00000	1.0
	27 Carbon tetrachloride	117	4.988	4.988	(0.552)	82023	1.00000	0.97
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	36127	1.00000	1.0
$	29 Benzene-d6	84	5.176	5.182	(0.573)	274988	1.00000	1.00
	30 Benzene	78	5.225	5.225	(0.578)	295769	1.00000	0.98
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	40743	1.00000	0.99
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	969556	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	66701	1.00000	0.97
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	69744	1.00000	0.97
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	111781	1.00000	1.0
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	62182	1.00000	1.0
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	59588	1.00000	1.0
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	79306	1.00000	1.0
	39 4-Methyl-2-pentanone	43	7.239	7.239	(0.801)	155602	10.0000	11
$	40 Toluene-d8	98	7.342	7.342	(0.812)	240170	1.00000	1.0
	41 Toluene	91	7.421	7.421	(0.821)	290762	1.00000	1.0
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	48683	1.00000	0.99
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	54737	1.00000	1.1
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	23065	1.00000	0.99
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	50147	1.00000	1.00
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	41103	10.0000	9.0
	47 2-Hexanone	43	8.218	8.218	(0.909)	84382	10.0000	9.9
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	24118	1.00000	1.0
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	20559	1.00000	1.1
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	704742	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	150182	1.00000	1.0
	52 Ethylbenzene	91	9.210	9.210	(1.019)	318191	1.00000	1.0
	53 m,p-Xylene	106	9.356	9.356	(1.035)	116371	1.00000	1.0
	54 Styrene	104	9.848	9.848	(1.089)	156447	1.00000	1.0
	55 o-Xylene	106	9.830	9.830	(1.087)	105494	1.00000	0.97
	56 Bromoform	173	10.061	10.061	(0.848)	10256	1.00000	1.1
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	315192	1.00000	1.0
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	23124	1.00000	1.0
	59 1,1,2,2-Tetrachloroethane	83	10.658	10.658	(1.179)	23104	1.00000	1.1
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	100122	1.00000	0.99
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	311723	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.899	11.899	(1.003)	96747	1.00000	0.99
$ 63	1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	49247	1.00000	0.94
64	1,2-Dichlorobenzene	146	12.330	12.330	(1.039)	76925	1.00000	1.0
65	1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	3097	1.00000	0.96
66	1,2,4-Trichlorobenzene	180	14.010	14.010	(1.180)	40575	1.00000	1.0
67	1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	25952	1.00000	1.1

Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav005v.d
Date : 27-MAY-2010 09:13
Client ID: VSTD005JA
Sample Info: JAV005V
Purge Volume: 25.0
Column phase: DB-624

Page 4

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/jav005v.d
Lab Smp Id: VSTD005JA Client Smp ID: VSTD005JA
Inj Date : 27-MAY-2010 09:13
Operator : JH2 Inst ID: J.i
Smp Info : JAV005V
Misc Info : VSTD005JA,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:16 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 09:13 Cal File: jav005v.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

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

Cpnd Variable Local Compound Variable

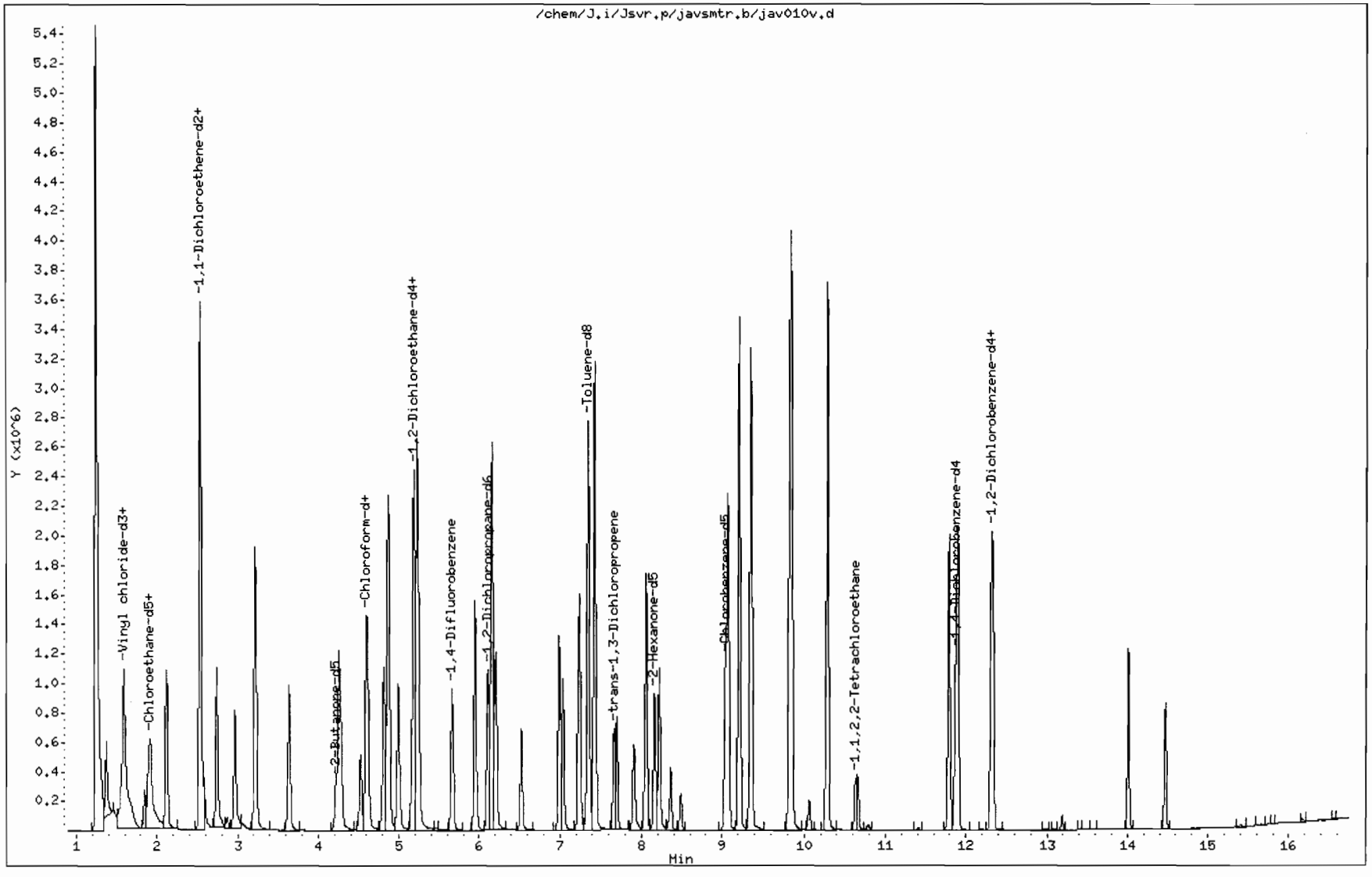
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.374	1.374	(0.243)	432256	5.00000	4.9
2	Chloromethane	50	1.569	1.569	(0.277)	467882	5.00000	5.0
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	400982	5.00000	4.9
4	Vinyl chloride	62	1.593	1.593	(0.282)	451584	5.00000	4.9
5	Bromomethane	94	1.842	1.842	(0.326)	202740	5.00000	4.7
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	299915	5.00000	4.8
7	Chloroethane	64	1.922	1.922	(0.340)	257553	5.00000	5.0
8	Trichlorofluoromethane	101	2.116	2.116	(0.374)	457057	5.00000	4.9
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	632823	5.00000	4.9
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	288360	5.00000	4.9
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	298650	5.00000	5.0
12	Acetone	43	2.585	2.585	(0.457)	139457	50.0000	41
13	Carbon disulfide	76	2.737	2.737	(0.484)	929945	5.00000	4.6
14	Methyl acetate	43	2.871	2.871	(0.507)	48796	5.00000	4.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	236038	5.00000	4.9
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	298567	5.00000	4.7
	17 Methyl tert-butyl ether	73	3.211	3.211	(0.568)	326008	5.00000	5.3
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	583203	5.00000	4.9
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	245140	50.0000	42
	20 cis-1,2-Dichloroethene	96	4.258	4.258	(0.753)	276755	5.00000	4.8
	21 2-Butanone	43	4.288	4.288	(0.758)	269123	50.0000	49
	22 Bromochloromethane	128	4.519	4.519	(0.799)	80908	5.00000	4.9
$	23 Chloroform-d	84	4.592	4.592	(0.812)	494713	5.00000	4.8
	24 Chloroform	83	4.610	4.610	(0.815)	467868	5.00000	4.8
	25 1,1,1-Trichloroethane	97	4.811	4.811	(0.532)	449525	5.00000	4.6
	26 Cyclohexane	56	4.866	4.866	(0.538)	675062	5.00000	4.7
	27 Carbon tetrachloride	117	4.988	4.988	(0.552)	377581	5.00000	4.6
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	148969	5.00000	4.7
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1202404	5.00000	4.6
	30 Benzene	78	5.225	5.225	(0.578)	1301477	5.00000	4.5
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	195701	5.00000	5.0
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	919411	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	307546	5.00000	4.7
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	318778	5.00000	4.6
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	522771	5.00000	4.8
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	274850	5.00000	4.6
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	267423	5.00000	4.7
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	367957	5.00000	4.8
	39 4-Methyl-2-pentanone	43	7.239	7.239	(0.801)	664325	50.0000	47
$	40 Toluene-d8	98	7.342	7.342	(0.812)	1053504	5.00000	4.6
	41 Toluene	91	7.421	7.421	(0.821)	1301715	5.00000	4.7
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	216774	5.00000	4.6
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	252827	5.00000	4.9
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	109066	5.00000	4.8
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	236527	5.00000	4.8
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	207756	50.0000	47
	47 2-Hexanone	43	8.218	8.218	(0.909)	441140	50.0000	51
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	121954	5.00000	5.1
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	93924	5.00000	4.9
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	703109	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	685982	5.00000	4.8
	52 Ethylbenzene	91	9.210	9.210	(1.019)	1467814	5.00000	4.7
	53 m,p-Xylene	106	9.356	9.356	(1.035)	552860	5.00000	4.9
	54 Styrene	104	9.848	9.848	(1.089)	748369	5.00000	4.9
	55 o-Xylene	106	9.830	9.830	(1.087)	508405	5.00000	4.8
	56 Bromoform	173	10.061	10.061	(0.848)	51375	5.00000	5.2
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	1457025	5.00000	4.8
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	102815	5.00000	4.7
	59 1,1,2,2-Tetrachloroethane	83	10.658	10.658	(1.179)	100793	5.00000	4.8
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	480277	5.00000	4.8
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	311420	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.899	11.899	(1.003)	460443	5.00000	4.8
$ 63	1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	218992	5.00000	4.4
64	1,2-Dichlorobenzene	146	12.330	12.330	(1.039)	339227	5.00000	4.6
65	1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	12711	5.00000	4.2
66	1,2,4-Trichlorobenzene	180	14.010	14.010	(1.180)	184634	5.00000	4.8
67	1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	118993	5.00000	4.9

Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav010v.d
Date : 27-MAY-2010 09:42
Client ID: VSTD010JA
Sample Info: JAV010V
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/jav010v.d
Lab Smp Id: VSTD010JA Client Smp ID: VSTD010JA
Inj Date : 27-MAY-2010 09:42
Operator : JH2 Inst ID: J.i
Smp Info : JAV010V
Misc Info : VSTD010JA,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:16 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 09:42 Cal File: jav010v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.374	1.374	(0.243)	879326	10.0000	10
2	Chloromethane	50	1.569	1.569	(0.277)	955421	10.0000	10
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.280)	807613	10.0000	10
4	Vinyl chloride	62	1.593	1.593	(0.281)	920932	10.0000	10
5	Bromomethane	94	1.842	1.842	(0.325)	418863	10.0000	10
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	613929	10.0000	10
7	Chloroethane	64	1.921	1.922	(0.339)	513996	10.0000	10
8	Trichlorofluoromethane	101	2.116	2.116	(0.374)	929723	10.0000	10
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	1260743	10.0000	10
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	571765	10.0000	10
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.536	2.530	(0.448)	594308	10.0000	10
12	Acetone	43	2.584	2.585	(0.456)	250527	100.000	80
13	Carbon disulfide	76	2.737	2.737	(0.483)	1879789	10.0000	9.7
14	Methyl acetate	43	2.870	2.871	(0.507)	97808	10.0000	8.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.523)	460769	10.0000	9.8
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.568)	594226	10.0000	9.7
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.568)	646370	10.0000	11
	18 1,1-Dichloroethane	63	3.637	3.637	(0.642)	1142507	10.0000	9.9
$	19 2-Butanone-d5	46	4.215	4.221	(0.744)	493295	100.000	89
	20 cis-1,2-Dichloroethene	96	4.257	4.258	(0.752)	580235	10.0000	10
	21 2-Butanone	43	4.282	4.288	(0.756)	554733	100.000	100
	22 Bromochloromethane	128	4.519	4.519	(0.798)	157625	10.0000	9.8
$	23 Chloroform-d	84	4.592	4.592	(0.811)	982811	10.0000	9.9
	24 Chloroform	83	4.610	4.610	(0.814)	921921	10.0000	9.8
	25 1,1,1-Trichloroethane	97	4.811	4.811	(0.532)	890571	10.0000	9.4
	26 Cyclohexane	56	4.866	4.866	(0.538)	1332920	10.0000	9.4
	27 Carbon tetrachloride	117	4.987	4.988	(0.552)	756618	10.0000	9.5
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.912)	305681	10.0000	9.8
$	29 Benzene-d6	84	5.182	5.182	(0.573)	2410531	10.0000	9.4
	30 Benzene	78	5.225	5.225	(0.578)	2583226	10.0000	9.3
	31 1,2-Dichloroethane	62	5.249	5.249	(0.927)	373810	10.0000	9.8
*	32 1,4-Difluorobenzene	114	5.663	5.657	(1.000)	901017	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	603124	10.0000	9.4
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	625599	10.0000	9.3
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	1034286	10.0000	9.7
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	545303	10.0000	9.4
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	537173	10.0000	9.6
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	722498	10.0000	9.6
	39 4-Methyl-2-pentanone	43	7.232	7.239	(0.800)	1369174	100.000	98
$	40 Toluene-d8	98	7.342	7.342	(0.812)	2162403	10.0000	9.6
	41 Toluene	91	7.421	7.421	(0.821)	2649266	10.0000	9.7
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	444021	10.0000	9.6
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	498500	10.0000	9.8
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	213583	10.0000	9.6
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	481828	10.0000	9.9
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	407903	100.000	95
	47 2-Hexanone	43	8.218	8.218	(0.909)	884053	100.000	100
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	254560	10.0000	10
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	188035	10.0000	9.8
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	700792	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	1436370	10.0000	10
	52 Ethylbenzene	91	9.210	9.210	(1.019)	3010968	10.0000	9.8
	53 m,p-Xylene	106	9.355	9.356	(1.035)	1138068	10.0000	10
	54 Styrene	104	9.848	9.848	(1.089)	1537722	10.0000	10
	55 o-Xylene	106	9.830	9.830	(1.087)	1042242	10.0000	9.9
	56 Bromoform	173	10.061	10.061	(0.847)	112186	10.0000	11
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	2994549	10.0000	10
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	213391	10.0000	9.9
	59 1,1,2,2-Tetrachloroethane	83	10.657	10.658	(1.179)	213694	10.0000	10
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	990950	10.0000	9.9
*	61 1,4-Dichlorobenzene-d4	152	11.874	11.868	(1.000)	313963	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.898	11.899	(1.002)	936268	10.0000	9.8
$ 63	1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	444057	10.0000	9.2
64	1,2-Dichlorobenzene	146	12.330	12.330	(1.038)	722132	10.0000	9.9
65	1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	26600	10.0000	9.1
66	1,2,4-Trichlorobenzene	180	14.016	14.010	(1.180)	393804	10.0000	10
67	1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	272044	10.0000	11

Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav020v.d

Date : 27-MAY-2010 10:10

Client ID: VSTD020JA

Instrument: J.i

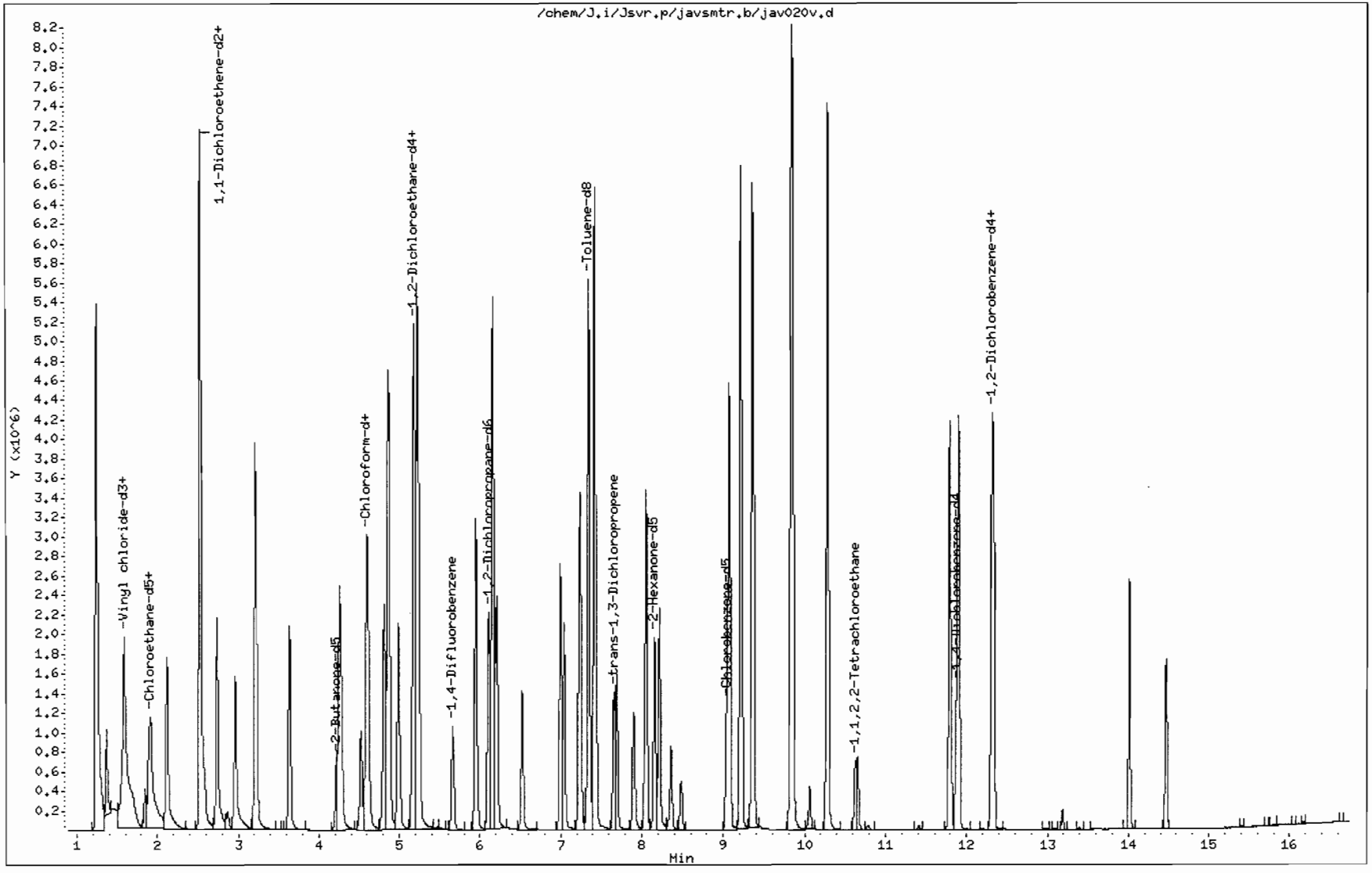
Sample Info: JAV020V

Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/jav020v.d
Lab Smp Id: VSTD020JA Client Smp ID: VSTD020JA
Inj Date : 27-MAY-2010 10:10
Operator : JH2 Inst ID: J.i
Smp Info : JAV020V
Misc Info : VSTD020JA,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:16 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 10:10 Cal File: jav020v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.374	1.374	(0.243)	1750332	20.0000	19
2	Chloromethane	50	1.575	1.569	(0.278)	1896530	20.0000	19
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.280)	1594126	20.0000	19
4	Vinyl chloride	62	1.593	1.593	(0.281)	1820567	20.0000	19
5	Bromomethane	94	1.842	1.842	(0.325)	818192	20.0000	18
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	1196908	20.0000	19
7	Chloroethane	64	1.915	1.922	(0.338)	1017669	20.0000	19
8	Trichlorofluoromethane	101	2.116	2.116	(0.374)	1852631	20.0000	19
$ 9	1,1-Dichloroethene-d2	63	2.530	2.524	(0.447)	2557071	20.0000	19
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	1155604	20.0000	19
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	1211912	20.0000	19
12	Acetone	43	2.585	2.585	(0.456)	529727	200.000	160
13	Carbon disulfide	76	2.737	2.737	(0.483)	3809683	20.0000	19
14	Methyl acetate	43	2.864	2.871	(0.506)	198998	20.0000	17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.523)	933769	20.0000	19
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.568)	1201416	20.0000	18
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.568)	1416646	20.0000	21(A)
	18 1,1-Dichloroethane	63	3.637	3.637	(0.642)	2394258	20.0000	19
$	19 2-Butanone-d5	46	4.215	4.221	(0.744)	1074987	200.000	180
	20 cis-1,2-Dichloroethene	96	4.258	4.258	(0.752)	1182431	20.0000	19
	21 2-Butanone	43	4.282	4.288	(0.756)	1143045	200.000	200
	22 Bromochloromethane	128	4.525	4.519	(0.799)	329536	20.0000	19
$	23 Chloroform-d	84	4.592	4.592	(0.811)	2034319	20.0000	19
	24 Chloroform	83	4.610	4.610	(0.814)	1917405	20.0000	19
	25 1,1,1-Trichloroethane	97	4.811	4.811	(0.532)	1846195	20.0000	19
	26 Cyclohexane	56	4.866	4.866	(0.538)	2786119	20.0000	19
	27 Carbon tetrachloride	117	4.988	4.988	(0.552)	1591186	20.0000	19
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.912)	641119	20.0000	19
$	29 Benzene-d6	84	5.182	5.182	(0.573)	5065290	20.0000	19
	30 Benzene	78	5.225	5.225	(0.578)	5452600	20.0000	19
	31 1,2-Dichloroethane	62	5.249	5.249	(0.927)	806915	20.0000	20
*	32 1,4-Difluorobenzene	114	5.663	5.657	(1.000)	972422	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	1247107	20.0000	19
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	1287391	20.0000	19
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	2124274	20.0000	19
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	1081231	20.0000	18
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	1116237	20.0000	19
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	1519980	20.0000	19
	39 4-Methyl-2-pentanone	43	7.239	7.239	(0.801)	2958439	200.000	200(A)
$	40 Toluene-d8	98	7.348	7.342	(0.813)	4527012	20.0000	19
	41 Toluene	91	7.421	7.421	(0.821)	5542922	20.0000	19
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	923569	20.0000	19
	43 trans-1,3-Dichloropropene	75	7.695	7.689	(0.851)	1051486	20.0000	20
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	445337	20.0000	19
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	969390	20.0000	19
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	862604	200.000	190
	47 2-Hexanone	43	8.218	8.218	(0.909)	1831488	200.000	200(A)
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	521744	20.0000	20(A)
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	388435	20.0000	20
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	734321	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	2892322	20.0000	19
	52 Ethylbenzene	91	9.216	9.210	(1.020)	6104139	20.0000	19
	53 m,p-Xylene	106	9.356	9.356	(1.035)	2313758	20.0000	20
	54 Styrene	104	9.848	9.848	(1.089)	3149981	20.0000	20
	55 o-Xylene	106	9.830	9.830	(1.087)	2119209	20.0000	19
	56 Bromoform	173	10.061	10.061	(0.847)	228663	20.0000	21(A)
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	6104623	20.0000	20
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	436154	20.0000	19
	59 1,1,2,2-Tetrachloroethane	83	10.658	10.658	(1.179)	435262	20.0000	20
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	2075456	20.0000	19
*	61 1,4-Dichlorobenzene-d4	152	11.874	11.868	(1.000)	337671	5.00000	(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.899	11.899	(1.002)	1982051	20.0000	19
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	942048	20.0000	18
64 1,2-Dichlorobenzene	146	12.331	12.330	(1.038)	1504855	20.0000	19
65 1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	62118	20.0000	20
66 1,2,4-Trichlorobenzene	180	14.016	14.010	(1.180)	840365	20.0000	20
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	566116	20.0000	21(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/25/2010 Time: 1742

Lab File ID: JAU005C1 Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005VJ Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.457	0.453	0.010	-0.7	50.0
Chloromethane	0.454	0.476	0.010	4.8	50.0
Vinyl chloride	0.459	0.458	0.010	-0.2	50.0
Bromomethane	0.217	0.214	0.010	-1.5	50.0
Chloroethane	0.247	0.263	0.010	6.4	50.0
Trichlorofluoromethane	0.491	0.484	0.010	-1.4	50.0
1,1-Dichloroethene	0.303	0.301	0.010	-0.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.322	0.316	0.010	-1.9	50.0
Acetone	0.014	0.013	0.010	-3.1	50.0
Carbon disulfide	0.987	0.813	0.010	-17.6	50.0
Methyl acetate	0.050	0.053	0.010	7.3	50.0
Methylene chloride	0.286	0.263	0.010	-7.8	50.0
trans-1,2-Dichloroethene	0.324	0.318	0.010	-2.1	50.0
Methyl tert-butyl ether	0.270	0.290	0.010	7.2	50.0
1,1-Dichloroethane	0.591	0.618	0.010	4.6	50.0
cis-1,2-Dichloroethene	0.308	0.311	0.010	1.1	50.0
2-Butanone	0.028	0.029	0.010	4.2	50.0
Bromochloromethane	0.087	0.087	0.010	0.0	50.0
Chloroform	0.494	0.498	0.010	0.7	50.0
1,1,1-Trichloroethane	0.637	0.628	0.010	-1.4	50.0
Cyclohexane	0.916	0.925	0.010	1.1	50.0
Carbon tetrachloride	0.532	0.521	0.010	-2.1	50.0
Benzene	1.780	1.778	0.010	-0.1	50.0
1,2-Dichloroethane	0.207	0.212	0.010	2.4	50.0
Trichloroethene	0.424	0.420	0.010	-0.9	50.0
Methylcyclohexane	0.693	0.701	0.010	1.0	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/25/2010 Time: 1742

Lab File ID: JAU005C1 Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005VJ Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.362	0.376	0.010	3.8	50.0
Bromodichloromethane	0.380	0.379	0.010	-0.3	50.0
cis-1,3-Dichloropropene	0.498	0.507	0.010	1.7	50.0
4-Methyl-2-pentanone	0.087	0.092	0.010	6.8	50.0
Toluene	1.814	1.800	0.010	-0.8	50.0
trans-1,3-Dichloropropene	0.339	0.343	0.010	0.9	50.0
1,1,2-Trichloroethane	0.153	0.149	0.010	-2.9	50.0
Tetrachloroethene	0.330	0.325	0.010	-1.5	50.0
2-Hexanone	0.056	0.057	0.010	0.7	50.0
Dibromochloromethane	0.171	0.174	0.010	1.7	50.0
1,2-Dibromoethane	0.131	0.126	0.010	-3.8	50.0
Chlorobenzene	0.990	0.968	0.010	-2.2	50.0
Ethylbenzene	2.060	2.031	0.010	-1.4	50.0
o-Xylene	0.689	0.711	0.010	3.3	50.0
m,p-Xylene	0.775	0.774	0.010	-0.0	50.0
Styrene	1.022	1.077	0.010	5.3	50.0
Bromoform	0.163	0.173	0.010	6.2	50.0
Isopropylbenzene	2.019	2.016	0.010	-0.2	50.0
1,1,2,2-Tetrachloroethane	0.141	0.144	0.010	2.2	50.0
1,3-Dichlorobenzene	1.585	1.562	0.010	-1.5	50.0
1,4-Dichlorobenzene	1.506	1.473	0.010	-2.2	50.0
1,2-Dichlorobenzene	1.147	1.159	0.010	1.1	50.0
1,2-Dibromo-3-chloropropane	0.050	0.048	0.010	-4.8	50.0
1,2,4-Trichlorobenzene	0.631	0.626	0.010	-0.7	50.0
1,2,3-Trichlorobenzene	0.445	0.433	0.010	-2.8	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/25/2010 Time: 1742

Lab File ID: JAU005C1 Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005VJ Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.406	0.407	0.010	0.2	50.0
Chloroethane-d5	0.302	0.309	0.010	2.3	50.0
1,1-Dichloroethene-d2	0.648	0.651	0.010	0.5	50.0
2-Butanone-d5	0.025	0.025	0.010	0.2	50.0
Chloroform-d	0.518	0.524	0.010	1.1	50.0
1,2-Dichloroethane-d4	0.165	0.170	0.010	3.3	50.0
Benzene-d6	1.665	1.672	0.010	0.5	50.0
1,2-Dichloropropane-d6	0.432	0.434	0.010	0.5	50.0
Toluene-d8	1.499	1.448	0.010	-3.4	50.0
trans-1,3-Dichloropropene-d4	0.306	0.305	0.010	-0.4	50.0
2-Hexanone-d5	0.027	0.027	0.010	-1.2	50.0
1,1,2,2-Tetrachloroethane-d2	0.137	0.144	0.010	4.7	50.0
1,2-Dichlorobenzene-d4	0.726	0.728	0.010	0.3	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau005c1.d

Page 4

Date : 25-MAY-2010 17:42

Client ID: VSTD005VJ

Instrument: J.i

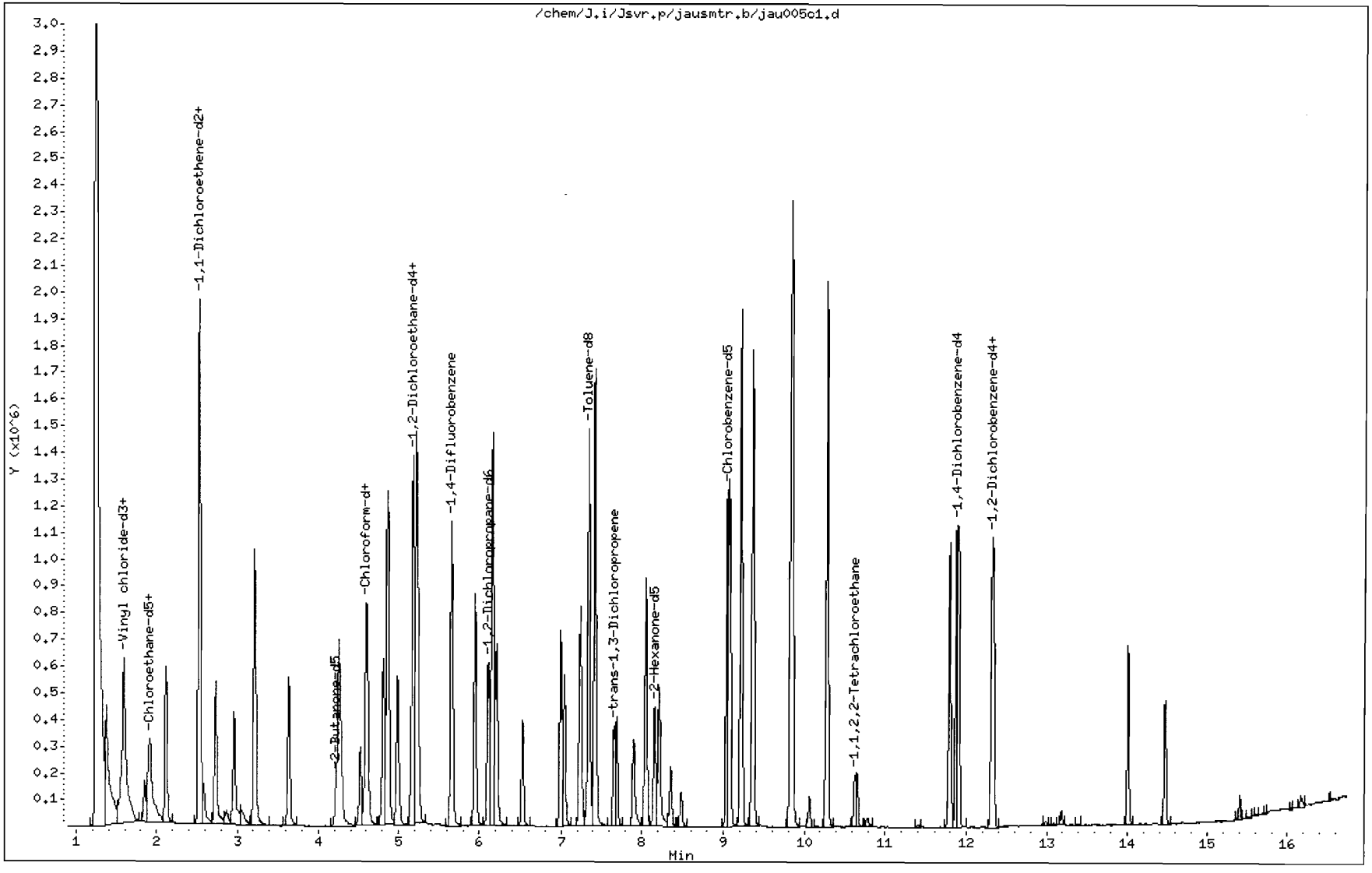
Sample Info: JAU005C1

Purge Volume: 25.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/jau005c1.d
Lab Smp Id: VSTD005VJ Client Smp ID: VSTD005VJ
Inj Date : 25-MAY-2010 17:42
Operator : JH2 Inst ID: J.i
Smp Info : JAU005C1
Misc Info : VSTD005VJ,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:50 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.374	1.368	(0.243)	476587	5.00000	5.0
2	Chloromethane	50	1.563	1.569	(0.276)	500611	5.00000	5.2
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	427658	5.00000	5.0
4	Vinyl chloride	62	1.593	1.593	(0.282)	481402	5.00000	5.0
5	Bromomethane	94	1.842	1.842	(0.326)	224436	5.00000	4.9
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	325128	5.00000	5.1
7	Chloroethane	64	1.922	1.915	(0.340)	275969	5.00000	5.3
8	Trichlorofluoromethane	101	2.116	2.116	(0.374)	508923	5.00000	4.9
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	684753	5.00000	5.0
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	316533	5.00000	5.0
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	331943	5.00000	4.9
12	Acetone	43	2.585	2.584	(0.457)	139553	50.0000	48
13	Carbon disulfide	76	2.731	2.730	(0.483)	854882	5.00000	4.1
14	Methyl acetate	43	2.871	2.870	(0.507)	56180	5.00000	5.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	276614	5.00000	4.6
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	333871	5.00000	4.9
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.569)	304426	5.00000	5.4
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	649652	5.00000	5.2
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	262564	50.0000	50
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	327217	5.00000	5.1
	21 2-Butanone	43	4.288	4.288	(0.758)	306377	50.0000	52
	22 Bromochloromethane	128	4.519	4.519	(0.799)	91011	5.00000	5.0
$	23 Chloroform-d	84	4.592	4.586	(0.812)	550720	5.00000	5.1
	24 Chloroform	83	4.610	4.610	(0.815)	523455	5.00000	5.0
	25 1,1,1-Trichloroethane	97	4.811	4.805	(0.532)	506076	5.00000	4.9
	26 Cyclohexane	56	4.866	4.866	(0.538)	745670	5.00000	5.1
	27 Carbon tetrachloride	117	4.988	4.987	(0.552)	419998	5.00000	4.9
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	178756	5.00000	5.2
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1347683	5.00000	5.0
	30 Benzene	78	5.225	5.225	(0.578)	1433185	5.00000	5.0
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	222922	5.00000	5.1
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1051172	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	338519	5.00000	5.0
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	349579	5.00000	5.0
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	564564	5.00000	5.1
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	302727	5.00000	5.2
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	305183	5.00000	5.0
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	408606	5.00000	5.1
	39 4-Methyl-2-pentanone	43	7.239	7.238	(0.801)	744732	50.0000	53
$	40 Toluene-d8	98	7.342	7.342	(0.812)	1166748	5.00000	4.8
	41 Toluene	91	7.421	7.421	(0.821)	1450246	5.00000	5.0
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	245839	5.00000	5.0
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	276040	5.00000	5.0
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	119985	5.00000	4.9
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	261622	5.00000	4.9
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	216547	50.0000	49
	47 2-Hexanone	43	8.218	8.218	(0.909)	455342	50.0000	50
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	140285	5.00000	5.1
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	101557	5.00000	4.8
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	805909	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	779883	5.00000	4.9
	52 Ethylbenzene	91	9.210	9.210	(1.019)	1636898	5.00000	4.9
	53 m,p-Xylene	106	9.356	9.355	(1.035)	624033	5.00000	5.0
	54 Styrene	104	9.848	9.848	(1.089)	867761	5.00000	5.3
	55 o-Xylene	106	9.830	9.830	(1.087)	573329	5.00000	5.2
	56 Bromoform	173	10.061	10.061	(0.848)	58552	5.00000	5.3
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	1624791	5.00000	5.0
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	115700	5.00000	5.2
	59 1,1,2,2-Tetrachloroethane	83	10.658	10.657	(1.179)	116186	5.00000	5.1
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	529041	5.00000	4.9
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	338763	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.899	11.898	(1.003)	499163	5.00000	4.9
$ 63	1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	246581	5.00000	5.0
64	1,2-Dichlorobenzene	146	12.331	12.330	(1.039)	392574	5.00000	5.1
65	1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	16096	5.00000	4.8
66	1,2,4-Trichlorobenzene	180	14.010	14.016	(1.180)	212094	5.00000	5.0
67	1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	146529	5.00000	4.9

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/25/2010 Time: 1903

Lab File ID: JAU005AV Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005JW Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.457	0.474	0.010	3.7	40.0
Chloromethane	0.454	0.474	0.010	4.4	40.0
Vinyl chloride	0.459	0.470	0.100	2.5	30.0
Bromomethane	0.217	0.220	0.100	1.5	30.0
Chloroethane	0.247	0.269	0.010	9.1	40.0
Trichlorofluoromethane	0.491	0.501	0.010	2.1	40.0
1,1-Dichloroethene	0.303	0.312	0.100	2.7	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.322	0.325	0.010	1.0	40.0
Acetone	0.014	0.013	0.010	-6.3	40.0
Carbon disulfide	0.987	1.011	0.010	2.5	40.0
Methyl acetate	0.050	0.048	0.010	-3.9	40.0
Methylene chloride	0.286	0.245	0.010	-14.2	40.0
trans-1,2-Dichloroethene	0.324	0.340	0.010	4.9	40.0
Methyl tert-butyl ether	0.270	0.251	0.010	-7.1	40.0
1,1-Dichloroethane	0.591	0.639	0.200	8.1	30.0
cis-1,2-Dichloroethene	0.308	0.319	0.010	3.8	40.0
2-Butanone	0.028	0.026	0.010	-6.8	40.0
Bromochloromethane	0.087	0.086	0.050	-0.3	30.0
Chloroform	0.494	0.508	0.200	2.7	30.0
1,1,1-Trichloroethane	0.637	0.649	0.100	2.0	30.0
Cyclohexane	0.916	0.953	0.010	4.1	40.0
Carbon tetrachloride	0.532	0.536	0.100	0.7	30.0
Benzene	1.780	1.816	0.400	2.0	30.0
1,2-Dichloroethane	0.207	0.199	0.100	-4.0	30.0
Trichloroethene	0.424	0.449	0.300	5.8	30.0
Methylcyclohexane	0.693	0.740	0.010	6.7	40.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/25/2010 Time: 1903

Lab File ID: JAU005AV Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005JW Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.362	0.381	0.010	5.3	40.0
Bromodichloromethane	0.380	0.365	0.200	-4.0	30.0
cis-1,3-Dichloropropene	0.498	0.491	0.200	-1.4	30.0
4-Methyl-2-pentanone	0.087	0.085	0.010	-1.7	40.0
Toluene	1.814	1.883	0.400	3.8	30.0
trans-1,3-Dichloropropene	0.339	0.323	0.100	-4.8	30.0
1,1,2-Trichloroethane	0.153	0.146	0.100	-4.8	30.0
Tetrachloroethene	0.330	0.341	0.100	3.6	30.0
2-Hexanone	0.056	0.053	0.010	-5.1	40.0
Dibromochloromethane	0.171	0.172	0.100	0.2	30.0
1,2-Dibromoethane	0.131	0.128	0.010	-2.3	30.0
Chlorobenzene	0.990	0.994	0.500	0.4	30.0
Ethylbenzene	2.060	2.146	0.100	4.2	30.0
o-Xylene	0.689	0.707	0.300	2.6	30.0
m,p-Xylene	0.775	0.804	0.300	3.8	30.0
Styrene	1.022	1.049	0.300	2.6	30.0
Bromoform	0.163	0.164	0.050	0.9	30.0
Isopropylbenzene	2.019	2.053	0.010	1.7	40.0
1,1,2,2-Tetrachloroethane	0.141	0.135	0.100	-4.5	30.0
1,3-Dichlorobenzene	1.585	1.535	0.400	-3.2	30.0
1,4-Dichlorobenzene	1.506	1.479	0.400	-1.8	30.0
1,2-Dichlorobenzene	1.147	1.126	0.400	-1.8	30.0
1,2-Dibromo-3-chloropropane	0.050	0.038	0.010	-23.8	40.0
1,2,4-Trichlorobenzene	0.631	0.602	0.200	-4.6	30.0
1,2,3-Trichlorobenzene	0.445	0.405	0.200	-8.9	30.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/25/2010 Time: 1903

Lab File ID: JAU005AV Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005JW Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

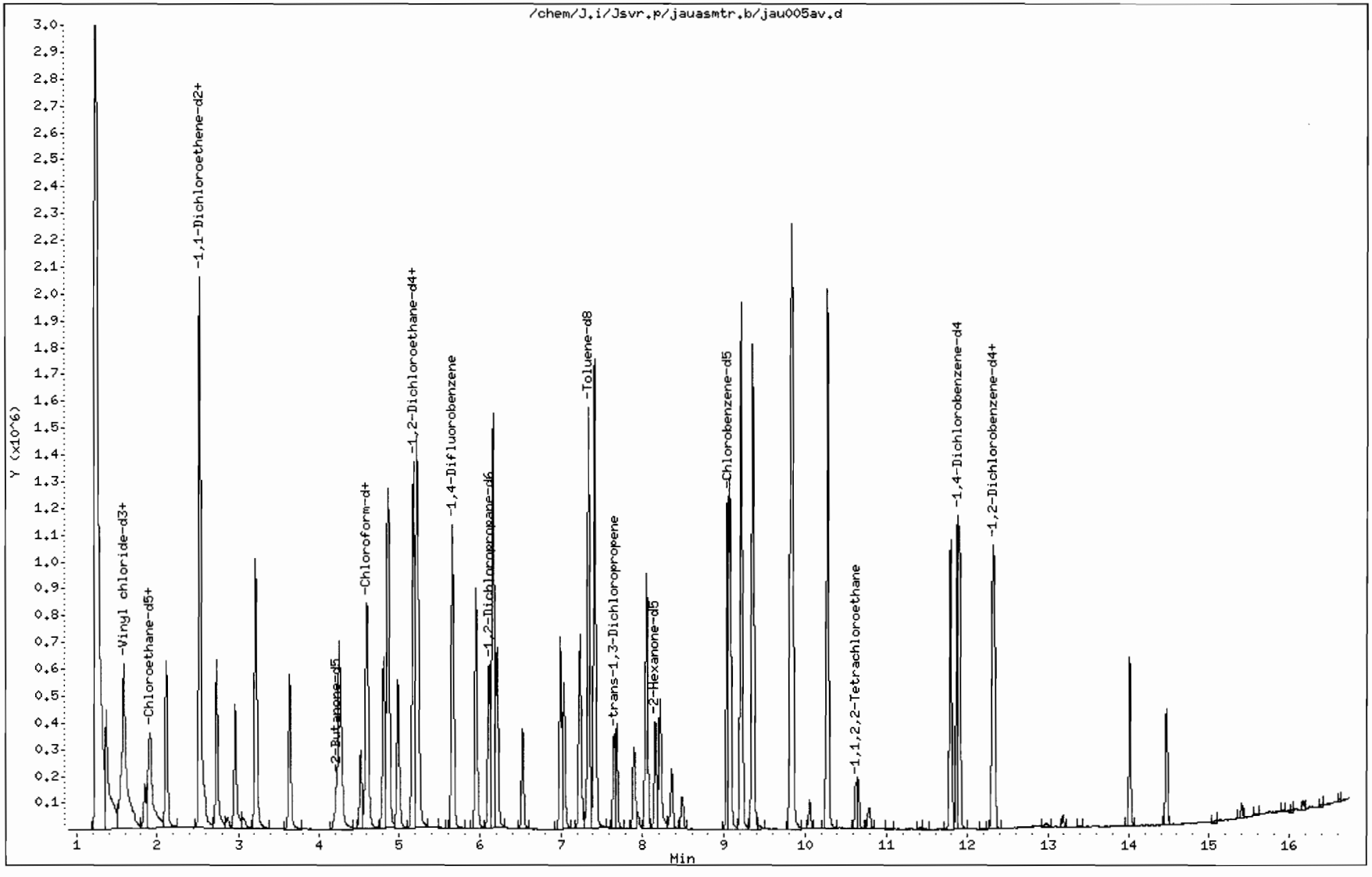
COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.406	0.425	0.010	4.6	30.0
Chloroethane-d5	0.302	0.317	0.010	4.9	40.0
1,1-Dichloroethene-d2	0.648	0.691	0.010	6.7	30.0
2-Butanone-d5	0.025	0.024	0.010	-3.7	40.0
Chloroform-d	0.518	0.534	0.010	2.9	30.0
1,2-Dichloroethane-d4	0.165	0.162	0.010	-1.4	30.0
Benzene-d6	1.665	1.687	0.400	1.3	30.0
1,2-Dichloropropane-d6	0.432	0.448	0.010	3.7	40.0
Toluene-d8	1.499	1.518	0.010	1.3	30.0
trans-1,3-Dichloropropene-d4	0.306	0.293	0.010	-4.5	30.0
2-Hexanone-d5	0.027	0.025	0.010	-8.9	40.0
1,1,2,2-Tetrachloroethane-d2	0.137	0.138	0.010	1.0	30.0
1,2-Dichlorobenzene-d4	0.726	0.696	0.010	-4.0	30.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jau005av.d
Date : 25-MAY-2010 19:03
Client ID: VSTD005JW
Sample Info: JAU005AV
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/jau005av.d
Lab Smp Id: VSTD005JW Client Smp ID: VSTD005JW
Inj Date : 25-MAY-2010 19:03
Operator : JP1 Inst ID: J.i
Smp Info : JAU005AV
Misc Info : VSTD005JW,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.374	1.374	(0.243)	498197	5.00000	5.2
2	Chloromethane	50	1.562	1.562	(0.276)	499000	5.00000	5.2
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.280)	446573	5.00000	5.2
4	Vinyl chloride	62	1.593	1.593	(0.282)	494737	5.00000	5.1
5	Bromomethane	94	1.848	1.848	(0.327)	231385	5.00000	5.1
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	333375	5.00000	5.2
7	Chloroethane	64	1.921	1.921	(0.340)	283012	5.00000	5.5
8	Trichlorofluoromethane	101	2.116	2.116	(0.374)	527331	5.00000	5.1
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	727254	5.00000	5.3
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	327721	5.00000	5.1
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	341872	5.00000	5.0
12	Acetone	43	2.584	2.584	(0.457)	135001	50.0000	47
13	Carbon disulfide	76	2.737	2.737	(0.484)	1063311	5.00000	5.1
14	Methyl acetate	43	2.870	2.870	(0.507)	50337	5.00000	4.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	257596	5.00000	4.3
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	357889	5.00000	5.2
	17 Methyl tert-butyl ether	73	3.217	3.217	(0.569)	264169	5.00000	4.6
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	671656	5.00000	5.4
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	252587	50.0000	48
	20 cis-1,2-Dichloroethene	96	4.257	4.257	(0.753)	335946	5.00000	5.2
	21 2-Butanone	43	4.282	4.282	(0.757)	274100	50.0000	47
	22 Bromochloromethane	128	4.519	4.519	(0.799)	90753	5.00000	5.0
$	23 Chloroform-d	84	4.592	4.592	(0.812)	561129	5.00000	5.1
	24 Chloroform	83	4.610	4.610	(0.815)	533940	5.00000	5.1
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	518944	5.00000	5.1
	26 Cyclohexane	56	4.866	4.866	(0.538)	761632	5.00000	5.2
	27 Carbon tetrachloride	117	4.987	4.987	(0.552)	428443	5.00000	5.0
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	170683	5.00000	4.9
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1347994	5.00000	5.1
	30 Benzene	78	5.225	5.225	(0.578)	1450797	5.00000	5.1
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	208948	5.00000	4.8
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1051772	5.00000	
	33 Trichloroethene	95	5.943	5.943	(0.657)	358486	5.00000	5.3
$	34 1,2-Dichloropropane-d6	67	6.101	6.101	(0.675)	357737	5.00000	5.2
	35 Methylcyclohexane	55	6.155	6.155	(0.681)	591398	5.00000	5.3
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	304517	5.00000	5.3
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	291439	5.00000	4.8
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	392505	5.00000	4.9
	39 4-Methyl-2-pentanone	43	7.232	7.232	(0.800)	679796	50.0000	49
$	40 Toluene-d8	98	7.342	7.342	(0.812)	1212951	5.00000	5.1
	41 Toluene	91	7.421	7.421	(0.821)	1504462	5.00000	5.2
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	233829	5.00000	4.8
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	258203	5.00000	4.8
	44 1,1,2-Trichloroethane	97	7.901	7.901	(0.874)	116611	5.00000	4.8
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	272755	5.00000	5.2
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	197918	50.0000	46
	47 2-Hexanone	43	8.218	8.218	(0.909)	425449	50.0000	47
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	137136	5.00000	5.0
	49 1,2-Dibromoethane	107	8.485	8.485	(0.939)	102256	5.00000	4.9
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	799064	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	794445	5.00000	5.0
	52 Ethylbenzene	91	9.209	9.209	(1.019)	1714559	5.00000	5.2
	53 m,p-Xylene	106	9.355	9.355	(1.035)	642218	5.00000	5.2
	54 Styrene	104	9.848	9.848	(1.089)	838331	5.00000	5.1
	55 o-Xylene	106	9.830	9.830	(1.087)	564866	5.00000	5.1
	56 Bromoform	173	10.061	10.061	(0.847)	56107	5.00000	5.0
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	1640501	5.00000	5.1
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	110638	5.00000	5.0
	59 1,1,2,2-Tetrachloroethane	83	10.657	10.657	(1.179)	107665	5.00000	4.8
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	524344	5.00000	4.8
*	61 1,4-Dichlorobenzene-d4	152	11.874	11.874	(1.000)	341625	5.00000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62	1,4-Dichlorobenzene	146	11.898	11.898	(1.002)	505377	5.00000	4.9
$ 63	1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	237898	5.00000	4.8
64	1,2-Dichlorobenzene	146	12.330	12.330	(1.038)	384672	5.00000	4.9
65	1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	12981	5.00000	3.8
66	1,2,4-Trichlorobenzene	180	14.009	14.009	(1.180)	205620	5.00000	4.8
67	1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	138453	5.00000	4.6

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/26/2010 Time: 0535

Lab File ID: JAU05AC1 Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005WJ Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.457	0.450	0.010	-1.4	50.0
Chloromethane	0.454	0.483	0.010	6.3	50.0
Vinyl chloride	0.459	0.477	0.010	4.0	50.0
Bromomethane	0.217	0.211	0.010	-2.5	50.0
Chloroethane	0.247	0.273	0.010	10.5	50.0
Trichlorofluoromethane	0.491	0.482	0.010	-1.8	50.0
1,1-Dichloroethene	0.303	0.296	0.010	-2.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.322	0.306	0.010	-5.0	50.0
Acetone	0.014	0.015	0.010	7.0	50.0
Carbon disulfide	0.987	0.957	0.010	-3.0	50.0
Methyl acetate	0.050	0.052	0.010	3.9	50.0
Methylene chloride	0.286	0.255	0.010	-10.6	50.0
trans-1,2-Dichloroethene	0.324	0.324	0.010	0.0	50.0
Methyl tert-butyl ether	0.270	0.355	0.010	31.2	50.0
1,1-Dichloroethane	0.591	0.650	0.010	10.1	50.0
cis-1,2-Dichloroethene	0.308	0.316	0.010	2.7	50.0
2-Butanone	0.028	0.032	0.010	15.4	50.0
Bromochloromethane	0.087	0.087	0.010	0.8	50.0
Chloroform	0.494	0.509	0.010	3.0	50.0
1,1,1-Trichloroethane	0.637	0.679	0.010	6.7	50.0
Cyclohexane	0.916	0.991	0.010	8.2	50.0
Carbon tetrachloride	0.532	0.550	0.010	3.3	50.0
Benzene	1.780	1.913	0.010	7.5	50.0
1,2-Dichloroethane	0.207	0.216	0.010	4.2	50.0
Trichloroethene	0.424	0.448	0.010	5.6	50.0
Methylcyclohexane	0.693	0.754	0.010	8.7	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/26/2010 Time: 0535

Lab File ID: JAU05AC1 Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005WJ Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.362	0.422	0.010	16.7	50.0
Bromodichloromethane	0.380	0.406	0.010	7.0	50.0
cis-1,3-Dichloropropene	0.498	0.507	0.010	1.8	50.0
4-Methyl-2-pentanone	0.087	0.103	0.010	18.8	50.0
Toluene	1.814	1.895	0.010	4.5	50.0
trans-1,3-Dichloropropene	0.339	0.363	0.010	6.9	50.0
1,1,2-Trichloroethane	0.153	0.163	0.010	6.5	50.0
Tetrachloroethene	0.330	0.338	0.010	2.5	50.0
2-Hexanone	0.056	0.067	0.010	20.2	50.0
Dibromochloromethane	0.171	0.185	0.010	8.3	50.0
1,2-Dibromoethane	0.131	0.142	0.010	8.6	50.0
Chlorobenzene	0.990	1.003	0.010	1.4	50.0
Ethylbenzene	2.060	2.129	0.010	3.4	50.0
o-Xylene	0.689	0.737	0.010	7.0	50.0
m,p-Xylene	0.775	0.801	0.010	3.4	50.0
Styrene	1.022	1.076	0.010	5.3	50.0
Bromoform	0.163	0.173	0.010	6.1	50.0
Isopropylbenzene	2.019	2.101	0.010	4.1	50.0
1,1,2,2-Tetrachloroethane	0.141	0.156	0.010	10.9	50.0
1,3-Dichlorobenzene	1.585	1.556	0.010	-1.9	50.0
1,4-Dichlorobenzene	1.506	1.474	0.010	-2.1	50.0
1,2-Dichlorobenzene	1.147	1.167	0.010	1.8	50.0
1,2-Dibromo-3-chloropropane	0.050	0.047	0.010	-6.4	50.0
1,2,4-Trichlorobenzene	0.631	0.611	0.010	-3.1	50.0
1,2,3-Trichlorobenzene	0.445	0.421	0.010	-5.4	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/26/2010 Time: 0535

Lab File ID: JAU05AC1 Init. Calib. Date(s): 05/25/2010 05/25/2010

EPA Sample No.(VSTD#####): VSTD005WJ Init. Calib. Time(s): 1004 1155

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

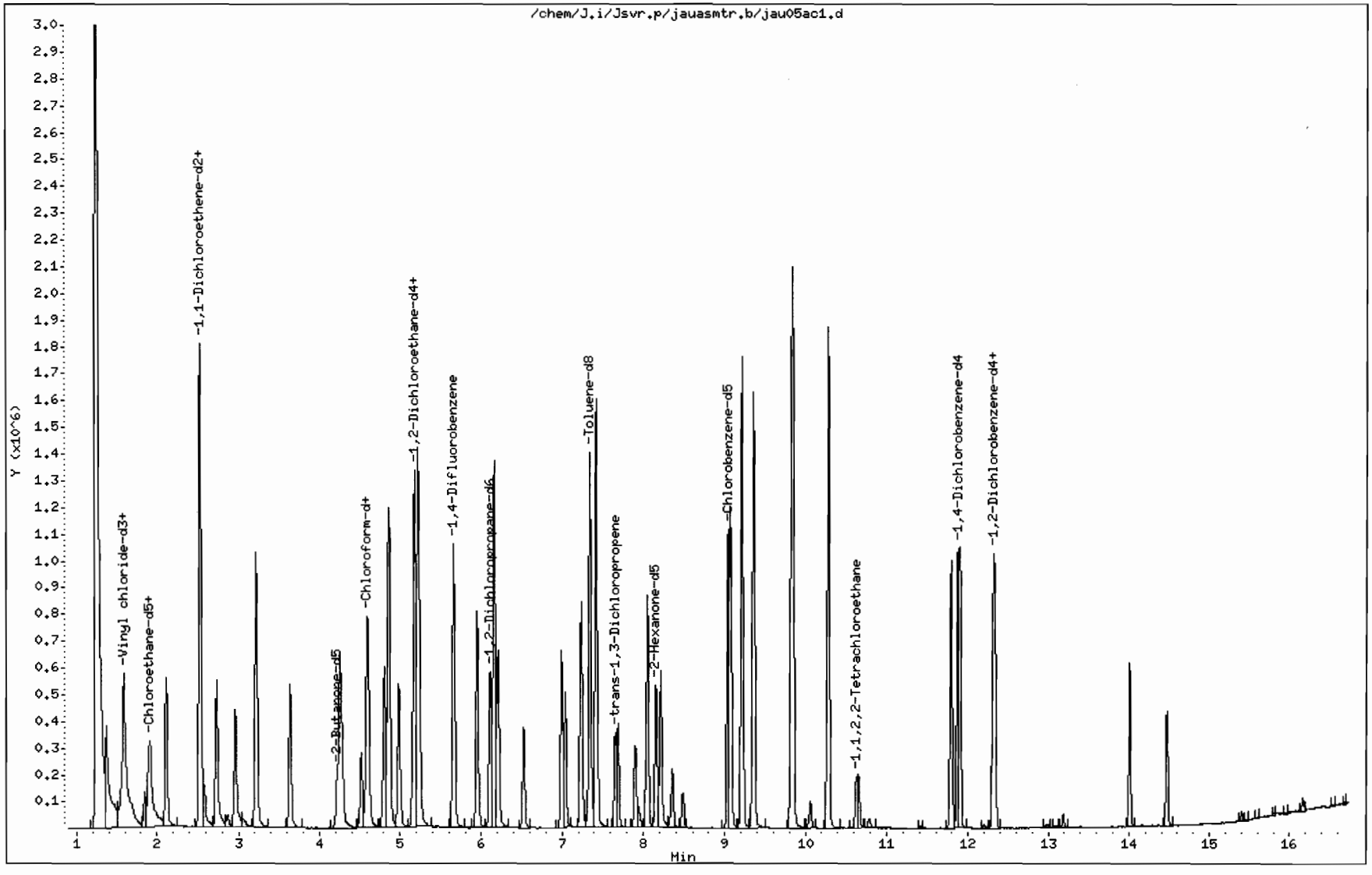
COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.406	0.420	0.010	3.4	50.0
Chloroethane-d5	0.302	0.315	0.010	4.1	50.0
1,1-Dichloroethene-d2	0.648	0.659	0.010	1.7	50.0
2-Butanone-d5	0.025	0.030	0.010	22.0	50.0
Chloroform-d	0.518	0.544	0.010	4.9	50.0
1,2-Dichloroethane-d4	0.165	0.172	0.010	4.6	50.0
Benzene-d6	1.665	1.797	0.010	8.0	50.0
1,2-Dichloropropane-d6	0.432	0.533	0.010	23.4	50.0
Toluene-d8	1.499	1.529	0.010	2.0	50.0
trans-1,3-Dichloropropene-d4	0.306	0.321	0.010	4.7	50.0
2-Hexanone-d5	0.027	0.033	0.010	22.6	50.0
1,1,2,2-Tetrachloroethane-d2	0.137	0.160	0.010	17.0	50.0
1,2-Dichlorobenzene-d4	0.726	0.732	0.010	0.8	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jau05ac1.d
Date : 26-MAY-2010 05:35
Client ID: VSTD005WJ
Sample Info: JAU05AC1
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/jau05ac1.d
Lab Smp Id: VSTD005WJ Client Smp ID: VSTD005WJ
Inj Date : 26-MAY-2010 05:35
Operator : JP1 Inst ID: J.i
Smp Info : JAU05AC1
Misc Info : VSTD005WJ,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 20 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
	1 Dichlorodifluoromethane	85	1.374	1.374	(0.243)	439691	5.00000	4.9
	2 Chloromethane	50	1.569	1.562	(0.277)	471568	5.00000	5.3
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	409586	5.00000	5.2
	4 Vinyl chloride	62	1.593	1.593	(0.282)	465671	5.00000	5.2
	5 Bromomethane	94	1.842	1.848	(0.326)	206234	5.00000	4.9
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	307185	5.00000	5.2
	7 Chloroethane	64	1.915	1.921	(0.339)	266186	5.00000	5.5
	8 Trichlorofluoromethane	101	2.116	2.116	(0.374)	470608	5.00000	4.9
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	643541	5.00000	5.1
	10 1,1-Dichloroethene	96	2.536	2.536	(0.448)	288716	5.00000	4.9
	11 1,1,2-Trichloro-1,2,2-trifluo	101	2.530	2.530	(0.447)	298431	5.00000	4.7
	12 Acetone	43	2.585	2.584	(0.457)	143123	50.0000	54
	13 Carbon disulfide	76	2.737	2.737	(0.484)	933926	5.00000	4.8
	14 Methyl acetate	43	2.871	2.870	(0.507)	50536	5.00000	5.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	249228	5.00000	4.5
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	316688	5.00000	5.0
	17 Methyl tert-butyl ether	73	3.217	3.217	(0.569)	346236	5.00000	6.6
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	634603	5.00000	5.5
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	296822	50.0000	61
	20 cis-1,2-Dichloroethene	96	4.258	4.257	(0.753)	308633	5.00000	5.1
	21 2-Butanone	43	4.282	4.282	(0.757)	314870	50.0000	58
	22 Bromochloromethane	128	4.519	4.519	(0.799)	85124	5.00000	5.0
$	23 Chloroform-d	84	4.592	4.592	(0.812)	530657	5.00000	5.2
	24 Chloroform	83	4.610	4.610	(0.815)	496990	5.00000	5.1
	25 1,1,1-Trichloroethane	97	4.805	4.805	(0.532)	485096	5.00000	5.3
	26 Cyclohexane	56	4.866	4.866	(0.538)	707195	5.00000	5.4
	27 Carbon tetrachloride	117	4.988	4.987	(0.552)	392447	5.00000	5.2
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	168092	5.00000	5.2
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1283158	5.00000	5.4
	30 Benzene	78	5.225	5.225	(0.578)	1365850	5.00000	5.4
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	210592	5.00000	5.2
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	976182	5.00000	
	33 Trichloroethene	95	5.949	5.943	(0.658)	319562	5.00000	5.3
$	34 1,2-Dichloropropane-d6	67	6.107	6.101	(0.676)	380223	5.00000	6.2
	35 Methylcyclohexane	55	6.156	6.155	(0.681)	538118	5.00000	5.4
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	301446	5.00000	5.8
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	290211	5.00000	5.3
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	362287	5.00000	5.1
	39 4-Methyl-2-pentanone	43	7.232	7.232	(0.800)	733935	50.0000	59
$	40 Toluene-d8	98	7.342	7.342	(0.812)	1091714	5.00000	5.1
	41 Toluene	91	7.421	7.421	(0.821)	1353132	5.00000	5.2
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	229028	5.00000	5.2
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	258994	5.00000	5.3
	44 1,1,2-Trichloroethane	97	7.902	7.901	(0.874)	116576	5.00000	5.3
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	241160	5.00000	5.1
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	238083	50.0000	61
	47 2-Hexanone	43	8.218	8.218	(0.909)	481656	50.0000	60
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	132352	5.00000	5.4
	49 1,2-Dibromoethane	107	8.486	8.485	(0.939)	101574	5.00000	5.4
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	713927	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	716207	5.00000	5.1
	52 Ethylbenzene	91	9.210	9.209	(1.019)	1520251	5.00000	5.2
	53 m,p-Xylene	106	9.356	9.355	(1.035)	571966	5.00000	5.2
	54 Styrene	104	9.848	9.848	(1.089)	768202	5.00000	5.3
	55 o-Xylene	106	9.830	9.830	(1.087)	526015	5.00000	5.3
	56 Bromoform	173	10.061	10.061	(0.848)	53846	5.00000	5.3
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	1500070	5.00000	5.2
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	114577	5.00000	5.9
	59 1,1,2,2-Tetrachloroethane	83	10.658	10.657	(1.179)	111688	5.00000	5.5
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	485271	5.00000	4.9
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.874	(1.000)	311930	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.899	11.898	(1.003)	459797	5.00000	4.9
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	228239	5.00000	5.0
64 1,2-Dichlorobenzene	146	12.331	12.330	(1.039)	363970	5.00000	5.1
65 1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	14572	5.00000	4.7
66 1,2,4-Trichlorobenzene	180	14.010	14.009	(1.180)	190615	5.00000	4.8
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	131239	5.00000	4.7

7A - FORM VII VOA-1
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/27/2010 Time: 1739

Lab File ID: JAV05C1 Init. Calib. Date(s): 05/27/2010 05/27/2010

EPA Sample No.(VSTD#####): VSTD005AJ Init. Calib. Time(s): 0818 1010

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.475	0.520	0.010	9.5	50.0
Chloromethane	0.511	0.561	0.010	9.9	50.0
Vinyl chloride	0.496	0.531	0.010	7.0	50.0
Bromomethane	0.228	0.238	0.010	4.3	50.0
Chloroethane	0.277	0.303	0.010	9.6	50.0
Trichlorofluoromethane	0.501	0.534	0.010	6.6	50.0
1,1-Dichloroethene	0.314	0.332	0.010	5.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.323	0.347	0.010	7.3	50.0
Acetone	0.017	0.016	0.010	-6.2	50.0
Carbon disulfide	1.058	1.092	0.010	3.2	50.0
Methyl acetate	0.059	0.063	0.010	5.4	50.0
Methylene chloride	0.257	0.279	0.010	8.5	50.0
trans-1,2-Dichloroethene	0.335	0.355	0.010	6.2	50.0
Methyl tert-butyl ether	0.345	0.383	0.010	11.2	50.0
1,1-Dichloroethane	0.637	0.683	0.010	7.3	50.0
cis-1,2-Dichloroethene	0.312	0.343	0.010	10.0	50.0
2-Butanone	0.030	0.033	0.010	9.9	50.0
Bromochloromethane	0.089	0.093	0.010	4.5	50.0
Chloroform	0.517	0.551	0.010	6.5	50.0
1,1,1-Trichloroethane	0.666	0.656	0.010	-1.5	50.0
Cyclohexane	0.997	1.007	0.010	0.9	50.0
Carbon tetrachloride	0.564	0.548	0.010	-2.8	50.0
Benzene	1.964	1.881	0.010	-4.2	50.0
1,2-Dichloroethane	0.211	0.217	0.010	3.2	50.0
Trichloroethene	0.453	0.434	0.010	-4.1	50.0
Methylcyclohexane	0.756	0.738	0.010	-2.3	50.0

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

7B - FORM VII VOA-2
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/27/2010 Time: 1739

Lab File ID: JAV05C1 Init. Calib. Date(s): 05/27/2010 05/27/2010

EPA Sample No.(VSTD#####): VSTD005AJ Init. Calib. Time(s): 0818 1010

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.406	0.399	0.010	-1.7	50.0
Bromodichloromethane	0.396	0.382	0.010	-3.5	50.0
cis-1,3-Dichloropropene	0.532	0.529	0.010	-0.6	50.0
4-Methyl-2-pentanone	0.100	0.103	0.010	3.1	50.0
Toluene	1.943	1.940	0.010	-0.1	50.0
trans-1,3-Dichloropropene	0.362	0.368	0.010	1.7	50.0
1,1,2-Trichloroethane	0.158	0.161	0.010	2.2	50.0
Tetrachloroethene	0.345	0.350	0.010	1.4	50.0
2-Hexanone	0.062	0.065	0.010	5.0	50.0
Dibromochloromethane	0.174	0.180	0.010	3.3	50.0
1,2-Dibromoethane	0.136	0.132	0.010	-2.5	50.0
Chlorobenzene	1.017	1.055	0.010	3.7	50.0
Ethylbenzene	2.166	2.179	0.010	0.6	50.0
o-Xylene	0.747	0.743	0.010	-0.5	50.0
m,p-Xylene	0.803	0.822	0.010	2.4	50.0
Styrene	1.085	1.089	0.010	0.4	50.0
Bromoform	0.164	0.165	0.010	0.4	50.0
Isopropylbenzene	2.132	2.092	0.010	-1.8	50.0
1,1,2,2-Tetrachloroethane	0.151	0.152	0.010	0.8	50.0
1,3-Dichlorobenzene	1.578	1.650	0.010	4.6	50.0
1,4-Dichlorobenzene	1.516	1.525	0.010	0.6	50.0
1,2-Dichlorobenzene	1.156	1.229	0.010	6.3	50.0
1,2-Dibromo-3-chloropropane	0.047	0.046	0.010	-0.3	50.0
1,2,4-Trichlorobenzene	0.624	0.643	0.010	3.1	50.0
1,2,3-Trichlorobenzene	0.404	0.429	0.010	6.3	50.0

SOM01.2

7C - FORM VII VOA-3
VOLATILE CONTINUING CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Instrument ID: J.i Calibration Date: 05/27/2010 Time: 1739

Lab File ID: JAV05C1 Init. Calib. Date(s): 05/27/2010 05/27/2010

EPA Sample No.(VSTD#####): VSTD005AJ Init. Calib. Time(s): 0818 1010

Heated Purge: (Y/N)N GC Column: DB-624 ID: 0.53 (mm) Length: 75 (m)

Purge Volume: 25.0 (mL)

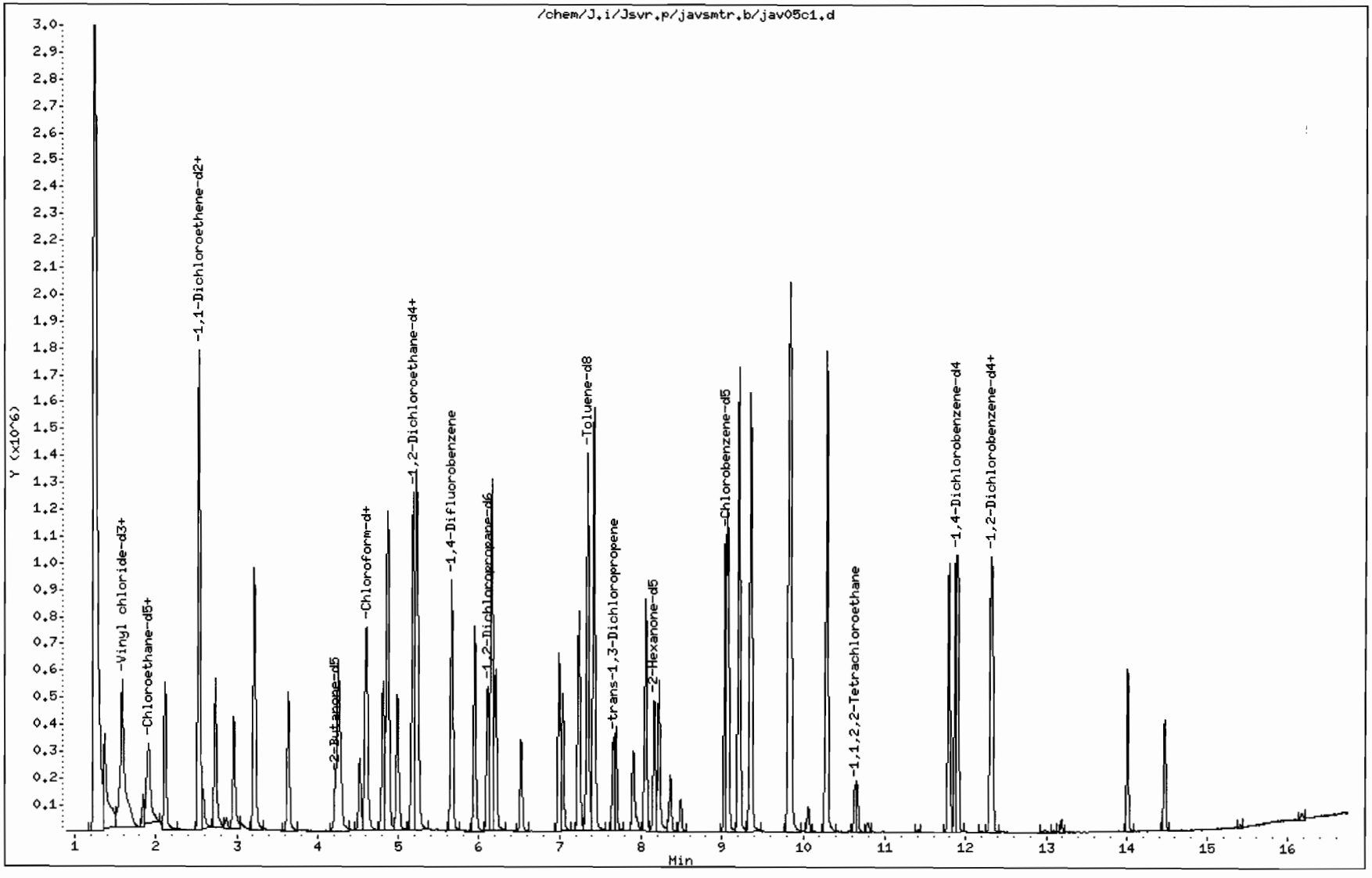
COMPOUND	$\overline{RRF}$	RRF5.0	MIN RRF	%D	MAX %D
Vinyl chloride-d3	0.439	0.471	0.010	7.3	50.0
Chloroethane-d5	0.332	0.342	0.010	3.2	50.0
1,1-Dichloroethene-d2	0.694	0.741	0.010	6.9	50.0
2-Butanone-d5	0.030	0.032	0.010	6.8	50.0
Chloroform-d	0.547	0.573	0.010	4.7	50.0
1,2-Dichloroethane-d4	0.171	0.183	0.010	7.3	50.0
Benzene-d6	1.813	1.787	0.010	-1.4	50.0
1,2-Dichloropropane-d6	0.472	0.451	0.010	-4.4	50.0
Toluene-d8	1.591	1.558	0.010	-2.0	50.0
trans-1,3-Dichloropropene-d4	0.327	0.326	0.010	-0.5	50.0
2-Hexanone-d5	0.031	0.032	0.010	3.7	50.0
1,1,2,2-Tetrachloroethane-d2	0.153	0.158	0.010	3.1	50.0
1,2-Dichlorobenzene-d4	0.757	0.762	0.010	0.7	50.0

Report 1,4-Dioxane-d8 for Low-Medium VOA analysis only

SOM01.2

Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav05c1.d
Date : 27-MAY-2010 17:39
Client ID: VSTD005AJ
Sample Info: JAV05C1
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/jav05c1.d
Lab Smp Id: VSTD005AJ Client Smp ID: VSTD005AJ
Inj Date : 27-MAY-2010 17:39
Operator : JH2 Inst ID: J.i
Smp Info : JAV05C1
Misc Info : VSTD005AJ,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:58 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 10:10 Cal File: jav020v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.374	1.374	(0.243)	450811	5.00000	5.5
2	Chloromethane	50	1.569	1.569	(0.277)	486684	5.00000	5.5
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	407989	5.00000	5.4
4	Vinyl chloride	62	1.593	1.593	(0.282)	460183	5.00000	5.3
5	Bromomethane	94	1.842	1.842	(0.326)	206325	5.00000	5.2
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	296849	5.00000	5.2
7	Chloroethane	64	1.922	1.922	(0.340)	262882	5.00000	5.5
8	Trichlorofluoromethane	101	2.116	2.116	(0.374)	462959	5.00000	5.3
$ 9	1,1-Dichloroethene-d2	63	2.530	2.524	(0.447)	642643	5.00000	5.3
10	1,1-Dichloroethene	96	2.536	2.536	(0.448)	288110	5.00000	5.3
11	1,1,2-Trichloro-1,2,2-trifluo	101	2.536	2.530	(0.448)	300933	5.00000	5.4
12	Acetone	43	2.585	2.585	(0.457)	134887	50.0000	47
13	Carbon disulfide	76	2.737	2.737	(0.484)	946741	5.00000	5.2
14	Methyl acetate	43	2.871	2.871	(0.507)	54206	5.00000	5.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	241488	5.00000	5.4
	16 trans-1,2-Dichloroethene	96	3.217	3.217	(0.569)	307987	5.00000	5.3
	17 Methyl tert-butyl ether	73	3.217	3.211	(0.569)	332298	5.00000	5.6
	18 1,1-Dichloroethane	63	3.637	3.637	(0.643)	592366	5.00000	5.4
$	19 2-Butanone-d5	46	4.221	4.221	(0.746)	279462	50.0000	53
	20 cis-1,2-Dichloroethene	96	4.258	4.258	(0.753)	297552	5.00000	5.5
	21 2-Butanone	43	4.288	4.288	(0.758)	285247	50.0000	55
	22 Bromochloromethane	128	4.519	4.519	(0.799)	80352	5.00000	5.2
$	23 Chloroform-d	84	4.592	4.592	(0.812)	496739	5.00000	5.2
	24 Chloroform	83	4.610	4.610	(0.815)	477413	5.00000	5.3
	25 1,1,1-Trichloroethane	97	4.811	4.811	(0.532)	453702	5.00000	4.9
	26 Cyclohexane	56	4.866	4.866	(0.538)	695837	5.00000	5.0
	27 Carbon tetrachloride	117	4.988	4.988	(0.552)	378982	5.00000	4.9
$	28 1,2-Dichloroethane-d4	65	5.164	5.164	(0.913)	159029	5.00000	5.4
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1234764	5.00000	4.9
	30 Benzene	78	5.225	5.225	(0.578)	1299686	5.00000	4.8
	31 1,2-Dichloroethane	62	5.249	5.249	(0.928)	188408	5.00000	5.2
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	866986	5.00000	
	33 Trichloroethene	95	5.949	5.949	(0.658)	299985	5.00000	4.8
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	311648	5.00000	4.8
	35 Methylcyclohexane	55	6.156	6.156	(0.681)	510100	5.00000	4.9
	36 1,2-Dichloropropane	63	6.204	6.204	(0.686)	275560	5.00000	4.9
	37 Bromodichloromethane	83	6.521	6.521	(0.721)	264049	5.00000	4.8
	38 cis-1,3-Dichloropropene	75	7.038	7.038	(0.779)	365430	5.00000	5.0
	39 4-Methyl-2-pentanone	43	7.239	7.239	(0.801)	712215	50.0000	52
$	40 Toluene-d8	98	7.342	7.342	(0.812)	1076930	5.00000	4.9
	41 Toluene	91	7.421	7.421	(0.821)	1340890	5.00000	5.0
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	225230	5.00000	5.0
	43 trans-1,3-Dichloropropene	75	7.689	7.689	(0.851)	254072	5.00000	5.1
	44 1,1,2-Trichloroethane	97	7.902	7.902	(0.874)	111366	5.00000	5.1
	45 Tetrachloroethene	164	8.054	8.054	(0.891)	241632	5.00000	5.1
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	218641	50.0000	52
	47 2-Hexanone	43	8.218	8.218	(0.909)	449007	50.0000	52
	48 Dibromochloromethane	129	8.358	8.358	(0.925)	124247	5.00000	5.2
	49 1,2-Dibromoethane	107	8.486	8.486	(0.939)	91298	5.00000	4.9
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	691110	5.00000	
	51 Chlorobenzene	112	9.070	9.070	(1.003)	729446	5.00000	5.2
	52 Ethylbenzene	91	9.210	9.210	(1.019)	1505892	5.00000	5.0
	53 m,p-Xylene	106	9.356	9.356	(1.035)	568224	5.00000	5.1
	54 Styrene	104	9.848	9.848	(1.089)	752907	5.00000	5.0
	55 o-Xylene	106	9.830	9.830	(1.087)	513346	5.00000	5.0
	56 Bromoform	173	10.061	10.061	(0.847)	49159	5.00000	5.0
	57 Isopropylbenzene	105	10.280	10.280	(1.137)	1446097	5.00000	4.9
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	109078	5.00000	5.2
	59 1,1,2,2-Tetrachloroethane	83	10.658	10.658	(1.179)	104891	5.00000	5.0
	60 1,3-Dichlorobenzene	146	11.789	11.789	(0.993)	492766	5.00000	5.2
*	61 1,4-Dichlorobenzene-d4	152	11.874	11.868	(1.000)	298557	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
62 1,4-Dichlorobenzene	146	11.899	11.899	(1.002)	455396	5.00000	5.0
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	227605	5.00000	5.0
64 1,2-Dichlorobenzene	146	12.331	12.330	(1.038)	366952	5.00000	5.3
65 1,2-Dibromo-3-chloropropane	75	13.188	13.188	(1.111)	13845	5.00000	5.0
66 1,2,4-Trichlorobenzene	180	14.010	14.010	(1.180)	191938	5.00000	5.2
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	128047	5.00000	5.3



Raw QC Data – SOM01.2 Volatiles – Trace

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau01pv.d

Date : 25-MAY-2010 09:17

Client ID: BFBJV

Instrument: J.i

Sample Info: JAU01PV

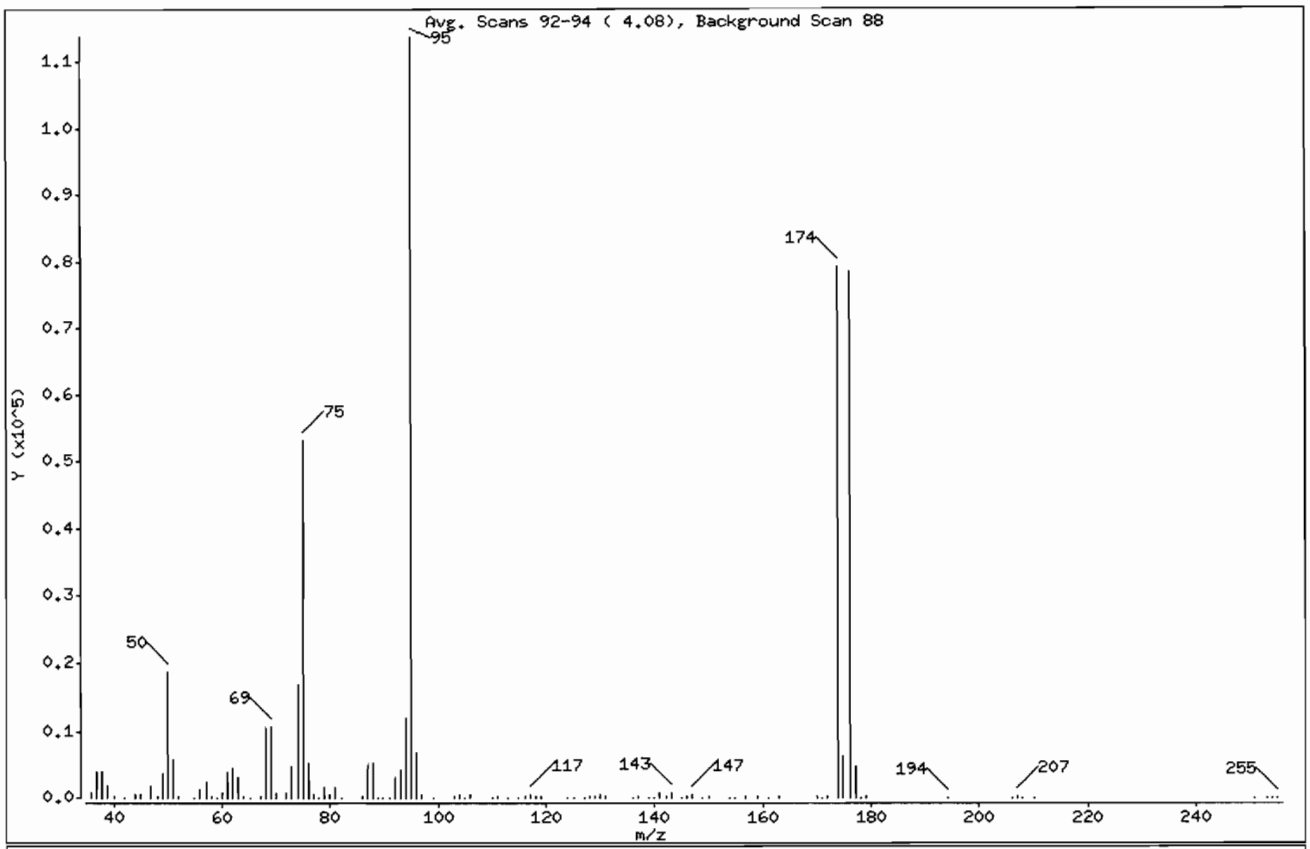
Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.65
75	30.00 - 80.00% of mass 95	46.99
96	5.00 - 9.00% of mass 95	6.09
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	69.63
175	5.00 - 9.00% of mass 174	5.54 (7.95)
176	95.00 - 101.00% of mass 174	68.92 (98.97)
177	5.00 - 9.00% of mass 176	4.08 (5.91)

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau01pv.d

Date : 25-MAY-2010 09:17

Client ID: BFBJW Instrument: J.i

Sample Info: JAU01PV

Volume Injected (uL): 2.0 Operator: JH2

Column phase: DB-624 Column diameter: 0.53

Data File: jau01pv.d
Spectrum: Avg. Scans 92-94 (4.08), Background Scan 88
Location of Maximum: 95.00
Number of points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	878	70.00	907	106.00	428	154.00	53
37.00	4017	72.00	813	110.00	66	155.00	80
38.00	3967	73.00	4804	111.00	150	157.00	239
39.00	1856	74.00	16952	113.00	120	159.00	182
40.00	250	75.00	53368	115.00	111	161.00	96
42.00	56	76.00	5110	116.00	240	163.00	132
44.00	495	77.00	553	117.00	634	170.00	147
45.00	611	78.00	60	118.00	320	171.00	60
47.00	1743	79.00	1614	119.00	215	172.00	247
48.00	316	80.00	460	124.00	58	174.00	79080
49.00	3667	81.00	1647	125.00	129	175.00	6289
50.00	18912	82.00	17	127.00	18	176.00	78264
51.00	5638	86.00	224	128.00	220	177.00	4628
52.00	383	87.00	4996	129.00	207	178.00	50
55.00	76	88.00	5092	130.00	441	179.00	190
56.00	1209	89.00	50	131.00	171	194.00	64
57.00	2307	90.00	50	136.00	76	206.00	55
58.00	139	91.00	20	137.00	181	207.00	274
59.00	126	92.00	3167	139.00	49	208.00	127
60.00	862	93.00	4067	140.00	121	210.00	67
61.00	3817	94.00	11942	141.00	711	251.00	68
62.00	4397	95.00	113568	142.00	238	253.00	37
63.00	3010	96.00	6911	143.00	801	254.00	99
64.00	147	97.00	439	145.00	108	255.00	104
65.00	58	99.00	59	146.00	139		
67.00	284	103.00	189	147.00	438		
68.00	10486	104.00	642	149.00	36		
69.00	10775	105.00	121	150.00	150		

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jau01pv.d

Date : 25-MAY-2010 09:17

Client ID: BFBJV

Instrument: J.i

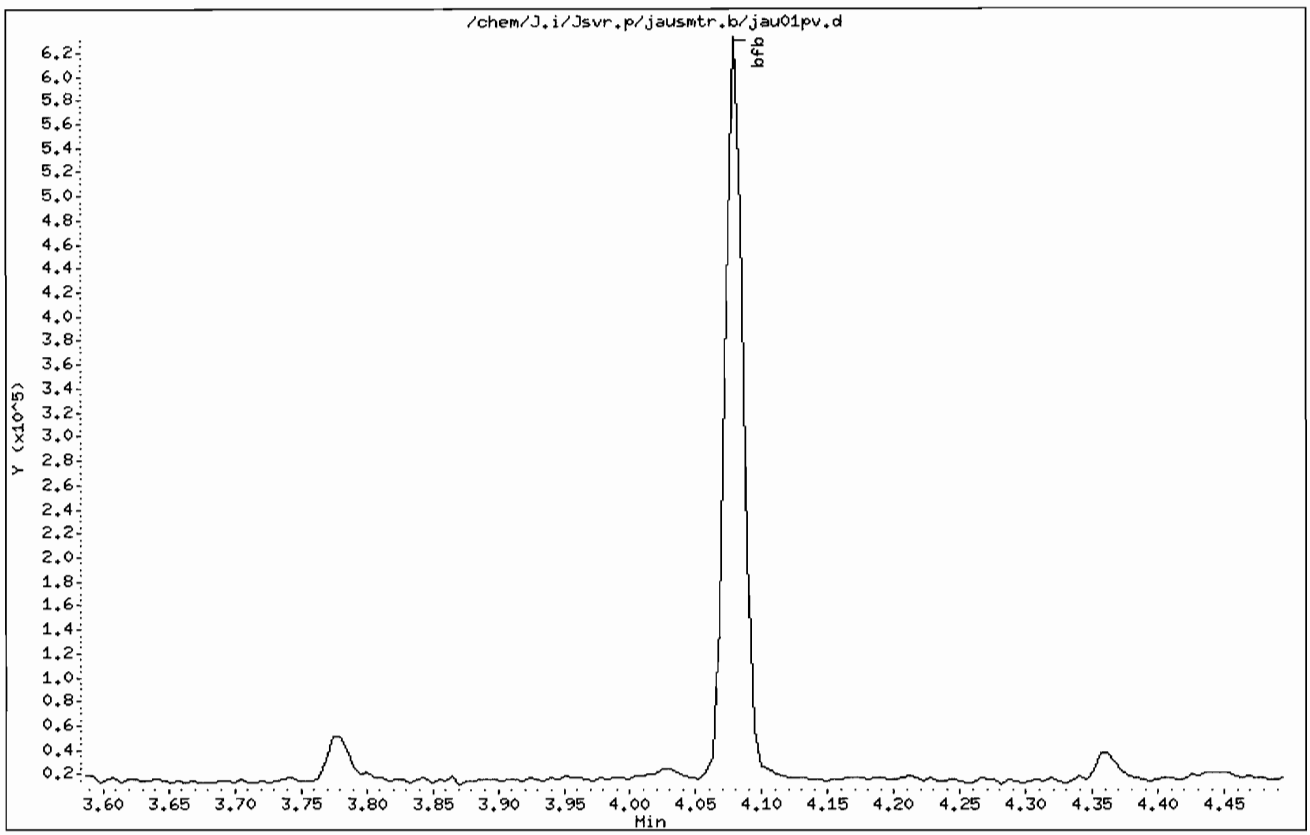
Sample Info: JAU01PV

Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jau05pv.d

Date : 25-MAY-2010 18:37

Client ID: BFBJW

Instrument: J.i

Sample Info: JAU05PV

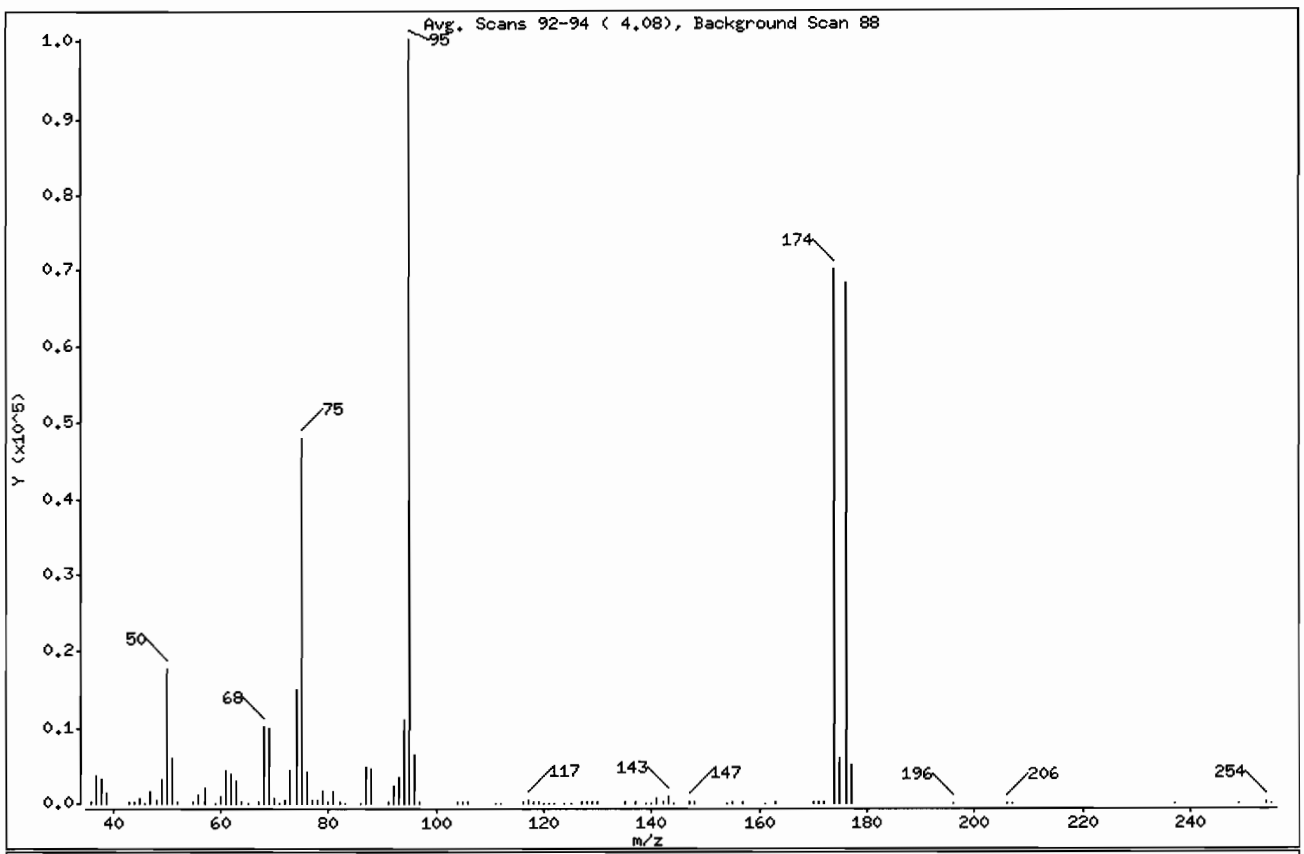
Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.79
75	30.00 - 80.00% of mass 95	47.72
96	5.00 - 9.00% of mass 95	6.45
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	69.95
175	5.00 - 9.00% of mass 174	6.09 (8.70)
176	95.00 - 101.00% of mass 174	68.10 (97.35)
177	5.00 - 9.00% of mass 176	5.02 (7.37)

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jau05pv.d

Date : 25-MAY-2010 18:37

Client ID: BFBJW

Instrument: J.i

Sample Info: JAU05PV

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Data File: jau05pv.d

Spectrum: Avg. Scans 92-94 (4.08), Background Scan 88

Location of Maximum: 95.00

Number of points: 98

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	289	68.00	10040	97.00	312	143.00	902
37.00	3804	69.00	9824	104.00	277	144.00	80
38.00	3308	70.00	651	105.00	199	147.00	251
39.00	1480	71.00	55	106.00	278	148.00	223
43.00	128	72.00	480	111.00	65	154.00	100
44.00	148	73.00	4369	112.00	56	155.00	154
45.00	621	74.00	14901	116.00	232	157.00	150
46.00	60	75.00	47872	117.00	485	161.00	54
47.00	1532	76.00	4214	118.00	180	163.00	165
48.00	435	77.00	391	119.00	272	170.00	211
49.00	3253	78.00	459	120.00	52	171.00	157
50.00	17848	79.00	1696	121.00	69	172.00	173
51.00	5939	80.00	341	122.00	52	174.00	70184
52.00	249	81.00	1613	124.00	68	175.00	6109
55.00	263	82.00	338	125.00	61	176.00	68320
56.00	1152	83.00	54	127.00	139	177.00	5034
57.00	2098	86.00	82	128.00	345	196.00	52
59.00	61	87.00	4749	129.00	272	206.00	75
60.00	829	88.00	4594	130.00	241	207.00	58
61.00	4457	91.00	203	135.00	146	237.00	50
62.00	3972	92.00	2341	137.00	267	249.00	57
63.00	2910	93.00	3368	139.00	67	254.00	134
64.00	234	94.00	11050	140.00	81	255.00	62
65.00	73	95.00	100328	141.00	682		
67.00	150	96.00	6475	142.00	133		

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jau05pv.d

Date : 25-MAY-2010 18:37

Client ID: BFBJW

Instrument: J.i

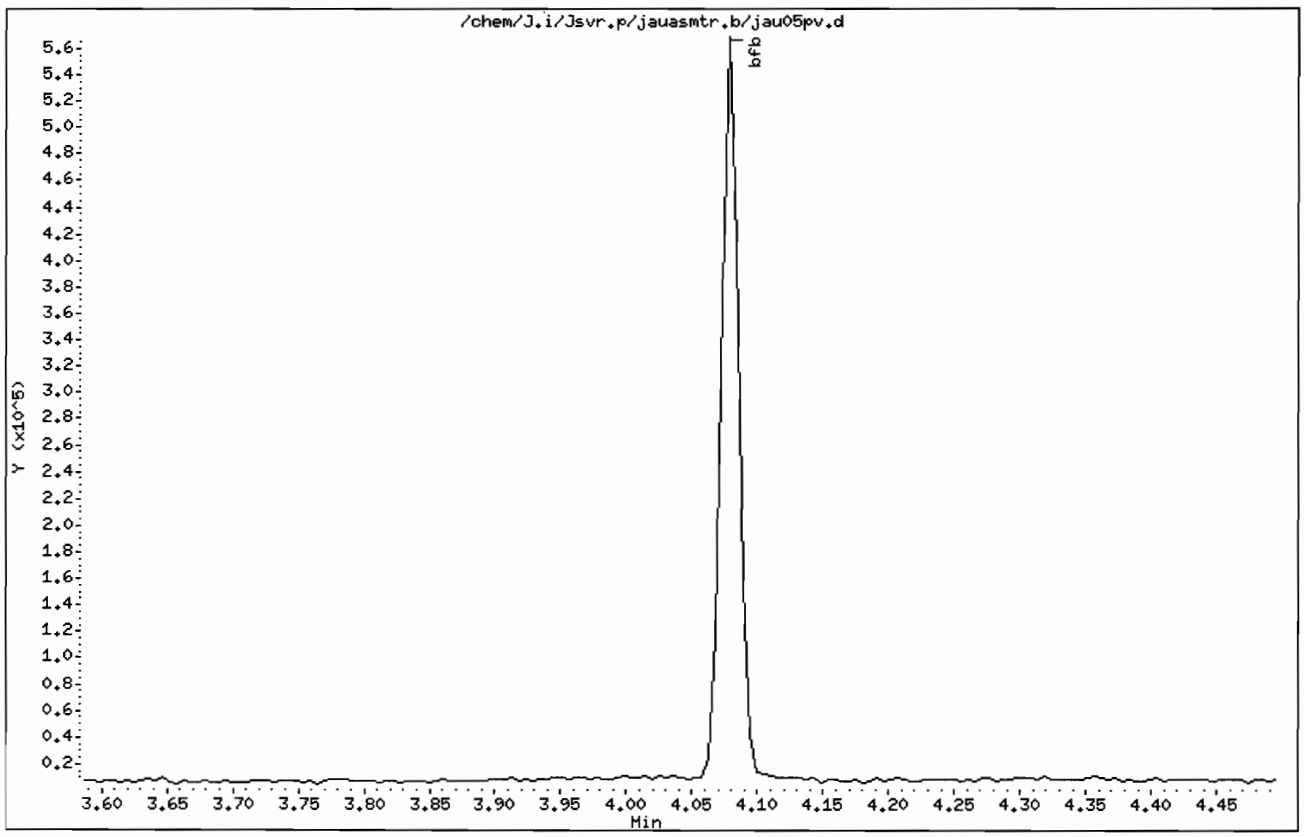
Sample Info: JAU05PV

Volume Injected (uL): 2.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav01pv.d

Date : 27-MAY-2010 07:57

Client ID: BFBJA

Instrument: J.i

Sample Info: JAV01PV

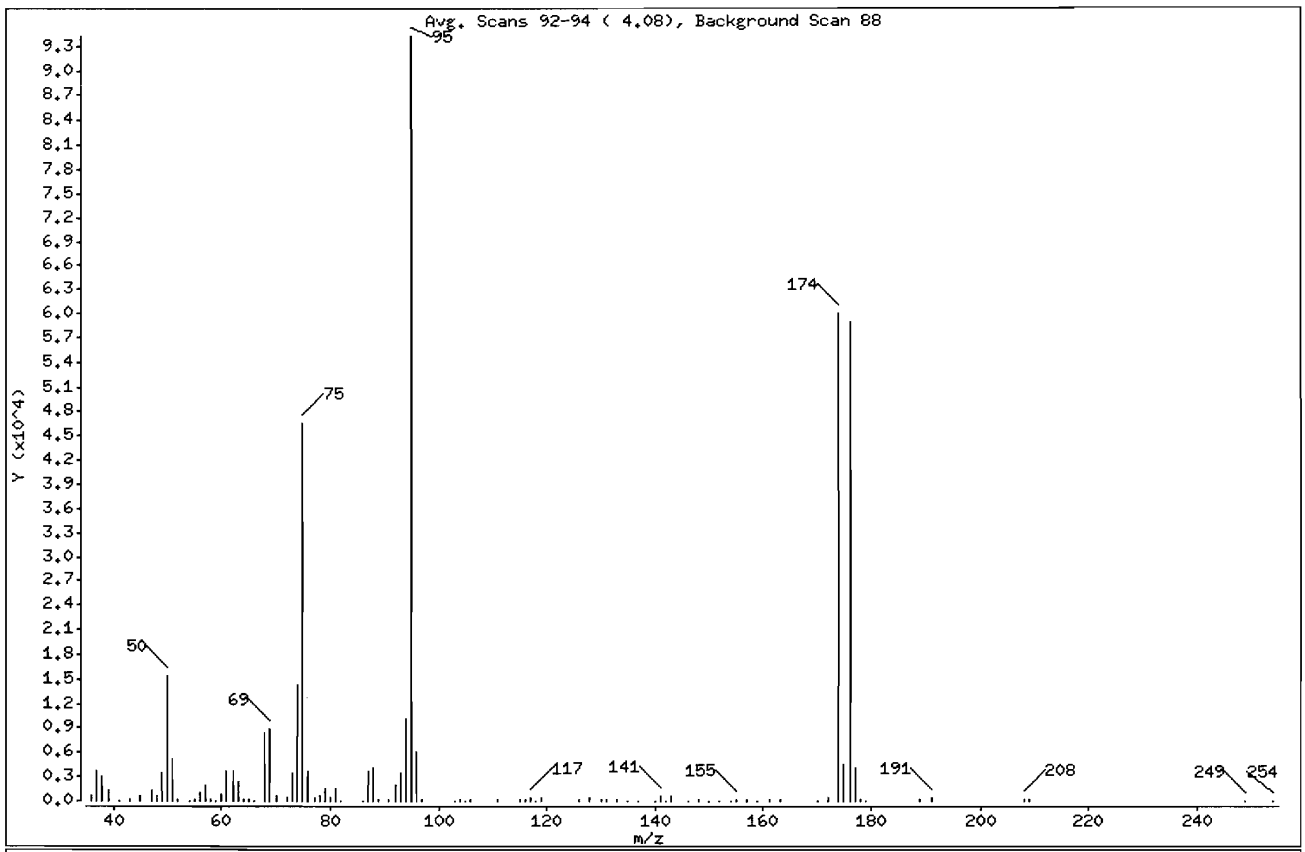
Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.33
75	30.00 - 80.00% of mass 95	49.40
96	5.00 - 9.00% of mass 95	6.40
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	63.73
175	5.00 - 9.00% of mass 174	4.87 (7.64)
176	95.00 - 101.00% of mass 174	62.43 (97.95)
177	5.00 - 9.00% of mass 176	4.33 (6.94)

Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav01pv.d

Date : 27-MAY-2010 07:57

Client ID: BFBJA Instrument: J.i

Sample Info: JAV01PV

Volume Injected (uL): 2.0 Operator: JH2

Column phase: DB-624 Column diameter: 0.53

Data File: jav01pv.d

Spectrum: Avg. Scans 92-94 (4.08), Background Scan 88

Location of Maximum: 95.00

Number of points: 96

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	692	66.00	104	97.00	167	152.00	53
37.00	3733	68.00	8548	103.00	52	154.00	54
38.00	3136	69.00	8942	104.00	236	155.00	205
39.00	1236	70.00	549	105.00	103	157.00	204
41.00	66	72.00	414	106.00	114	159.00	63
43.00	116	73.00	3482	111.00	138	161.00	138
45.00	553	74.00	14344	115.00	113	163.00	109
47.00	1398	75.00	46568	116.00	293	170.00	60
48.00	643	76.00	3653	117.00	511	172.00	346
49.00	3404	77.00	477	118.00	60	174.00	60072
50.00	15393	78.00	739	119.00	421	175.00	4588
51.00	5109	79.00	1530	126.00	178	176.00	58840
52.00	284	80.00	405	128.00	361	177.00	4086
54.00	53	81.00	1492	130.00	259	178.00	267
55.00	233	82.00	62	131.00	173	179.00	78
56.00	986	86.00	57	133.00	165	189.00	122
57.00	1911	87.00	3710	135.00	74	191.00	362
58.00	195	88.00	4114	137.00	66	208.00	169
59.00	50	89.00	120	140.00	66	209.00	140
60.00	781	91.00	247	141.00	672	249.00	50
61.00	3777	92.00	2005	142.00	55	254.00	56
62.00	3781	93.00	3390	143.00	631		
63.00	2488	94.00	10192	146.00	63		
64.00	291	95.00	94256	148.00	189		
65.00	166	96.00	6037	150.00	61		

Data File: /chem/J.i/Jsvr.p/javsmtr.b/jav01pv.d

Date : 27-MAY-2010 07:57

Client ID: BFBJA

Instrument: J.i

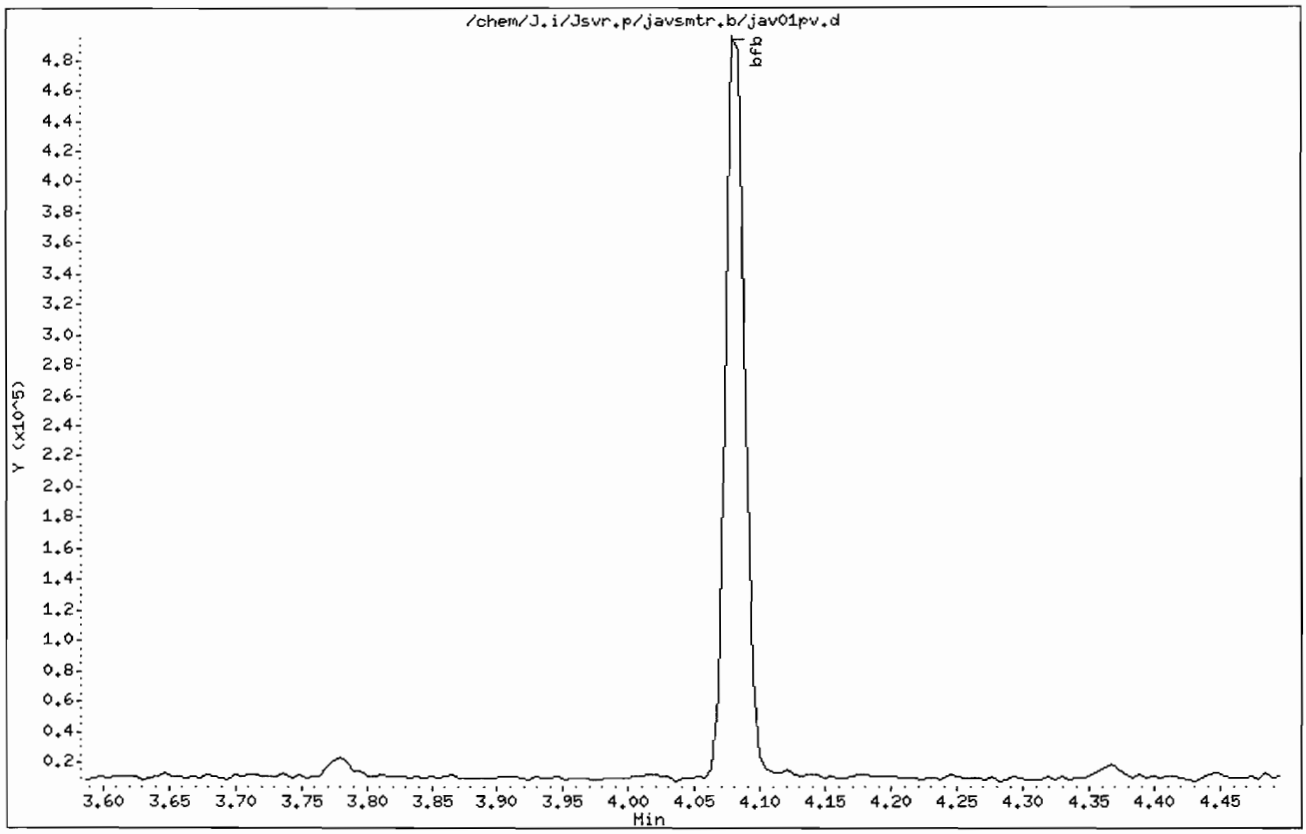
Sample Info: JAV01PV

Volume Injected (uL): 2.0

Operator: JH2

Column phase: DB-624

Column diameter: 0.53



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJV

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJV

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB03

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.5	J
75-15-0	Carbon disulfide	0.10	J
79-20-9	Methyl acetate	0.16	J
75-09-2	Methylene chloride	0.15	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJV

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJV

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB03

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	1.5	J
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.038	J
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.11	J
87-61-6	1,2,3-Trichlorobenzene	0.13	J

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKJV

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJV

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB03

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

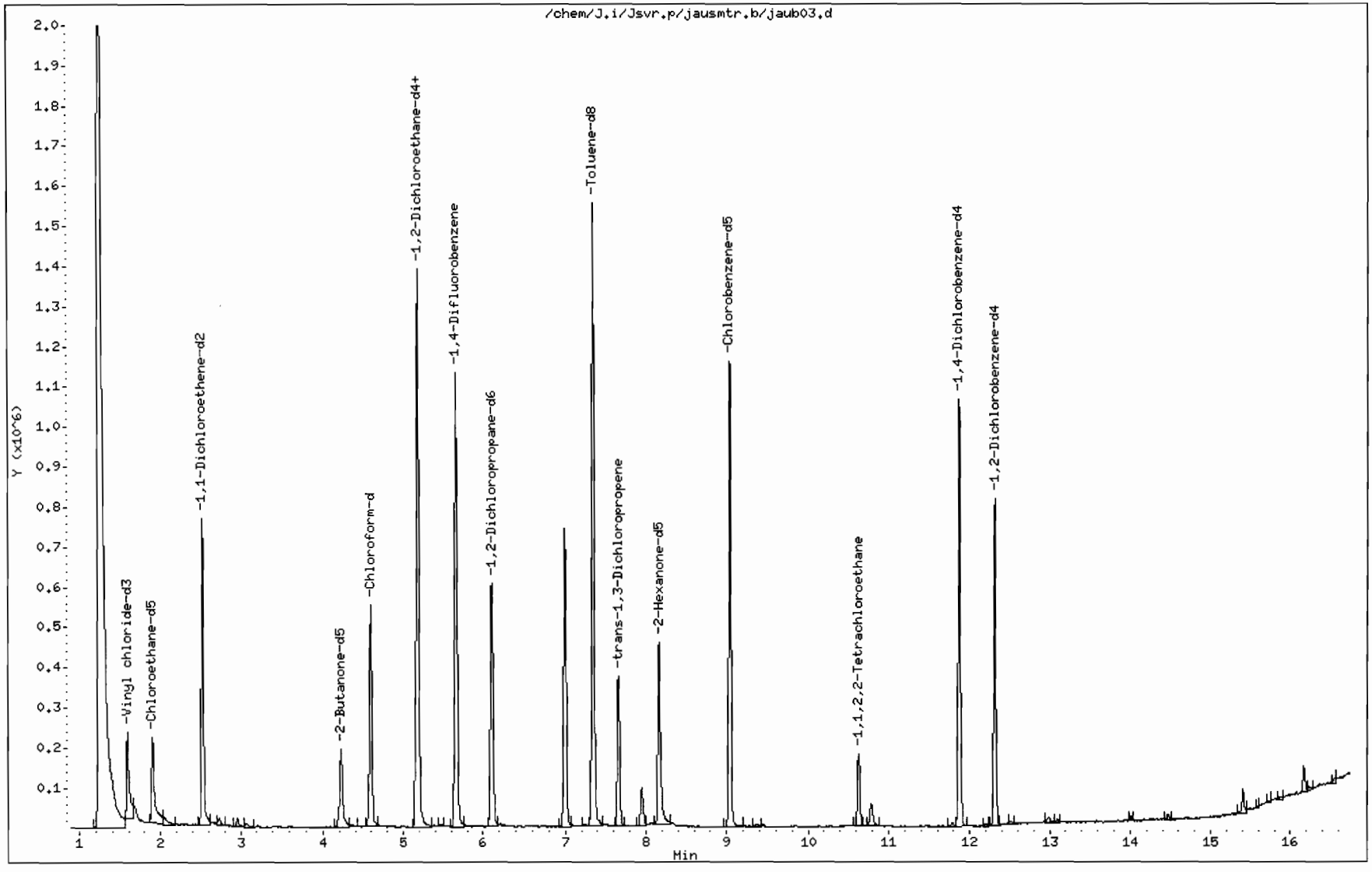
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.1	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d
Date : 25-MAY-2010 12:51
Client ID: VBLKJV
Sample Info: JAUB03
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d
Lab Smp Id: VBLKJV Client Smp ID: VBLKJV
Inj Date : 25-MAY-2010 12:51
Operator : JH2 Inst ID: J.i
Smp Info : JAUB03
Misc Info : VBLK,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	421412	4.86522	4.9
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	330955	5.13243	5.1
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	539524	3.90223	3.9
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	(0.457)	7211	2.46726	2.5(a)
13	Carbon disulfide	76	2.737	2.730	(0.484)	21240	0.10090	0.10(a)
14	Methyl acetate	43	2.877	2.870	(0.509)	1691	0.15905	0.16(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	Methylene chloride	84	2.962	2.962	(0.524)	9253	0.15187	0.15 (aQ)
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	4.221	4.221	(0.746)	289088	54.3552	54
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	4.586	4.586	(0.811)	548488	4.95957	5.0
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	5.164	5.164	(0.913)	186302	5.30599	5.3
$ 29	Benzene-d6	84	5.182	5.182	(0.573)	1378854	5.27443	5.3
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1066873	5.00000	
33	Trichloroethene	95	Compound Not Detected.					
$ 34	1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	351106	5.17943	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	7.342	7.342	(0.812)	1231225	5.22928	5.2
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	261473	5.43421	5.4
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	Compound Not Detected.					
$ 46	2-Hexanone-d5	63	8.157	8.157	(0.902)	234689	54.9606	55
47	2-Hexanone	43	8.218	8.218	(0.909)	12997	1.47461	1.5 (aQ)
48	Dibromochloromethane	129	Compound Not Detected.					
49	1,2-Dibromoethane	107	Compound Not Detected.					
* 50	Chlorobenzene-d5	117	9.039	9.039	(1.000)	785235	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	114158	5.30067	5.3
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.868	11.868	(1.000)	343771	5.00000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
62 1,4-Dichlorobenzene	146	11.905	11.898	(1.003)	3954	0.03818	0.038(aQ)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	251053	5.03255	5.0
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	14.009	14.016	(1.180)	4681	0.10796	0.11(a)
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	3863	0.12630	0.13(a)

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/jausmtr.b/jaub03.d
Lab Smp Id: VBLKJV Client Smp ID: VBLKJV
Inj Date : 25-MAY-2010 12:51
Operator : JH2 Inst ID: J.i
Smp Info : JAUB03
Misc Info : VBLK,052510JV,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jausmtr.b/somtr4.m
Meth Date : 28-May-2010 10:45 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2378239	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1487436	3.12717771	3.1	0	0		32

Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJV

Instrument: J.i

Sample Info: JAUB03

Purge Volume: 25.0

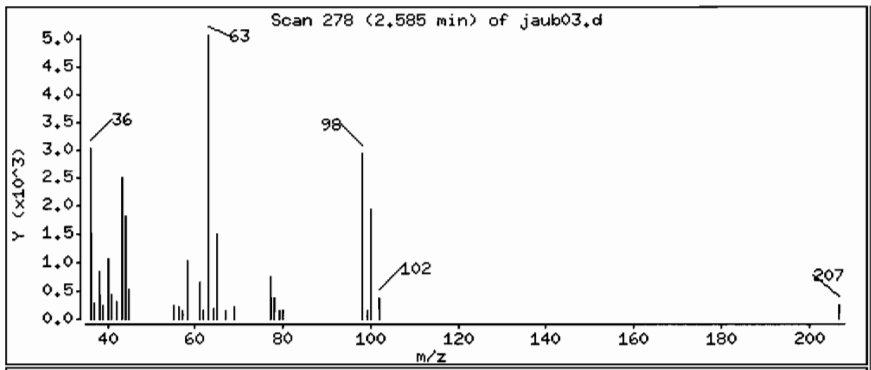
Operator: JH2

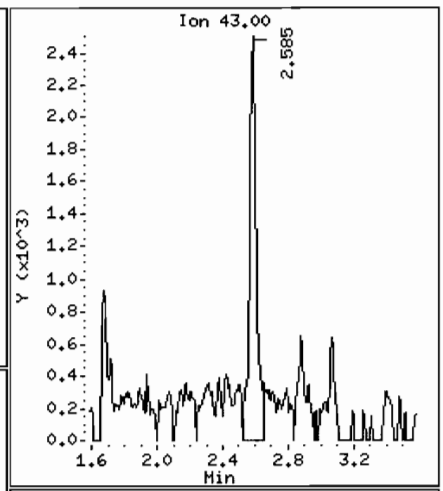
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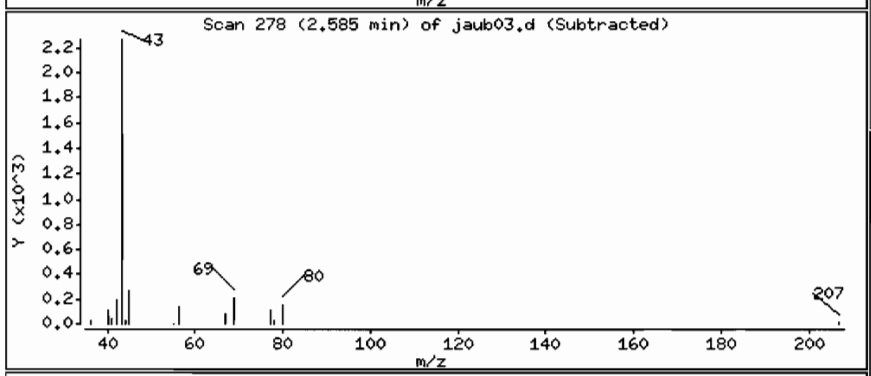
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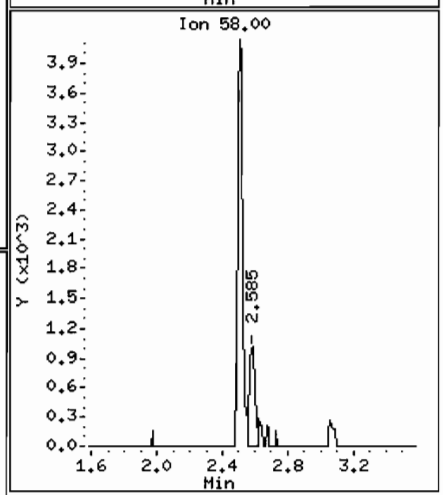
12 Acetone

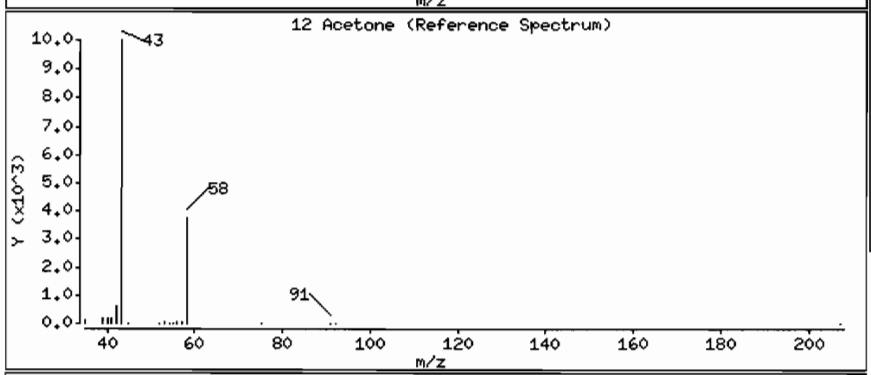
Concentration: 2.5 ug/L

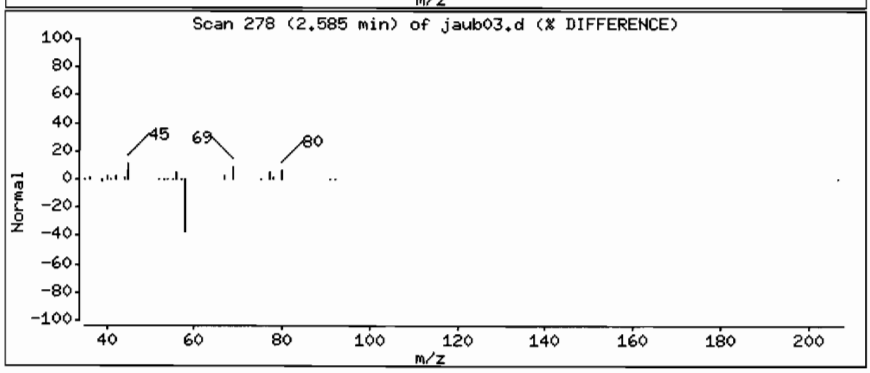












Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJV

Instrument: J.i

Sample Info: JAUB03

Purge Volume: 25.0

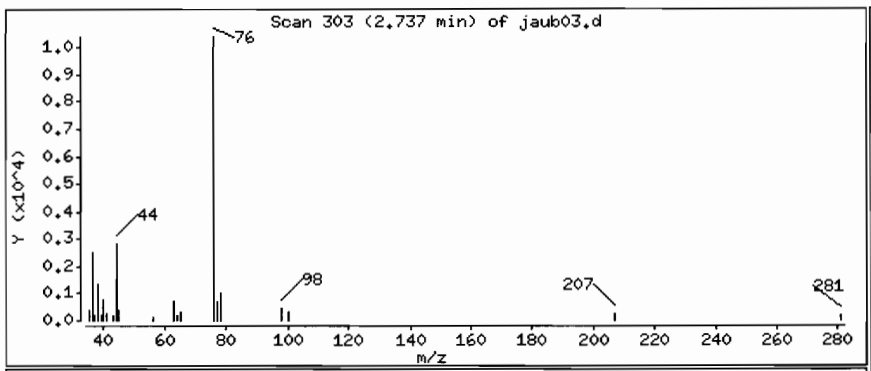
Operator: JH2

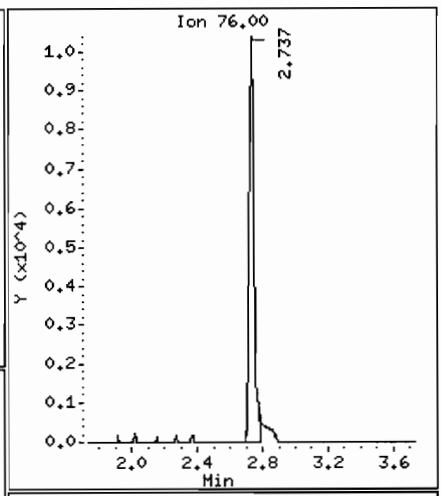
Column phase: DB-624

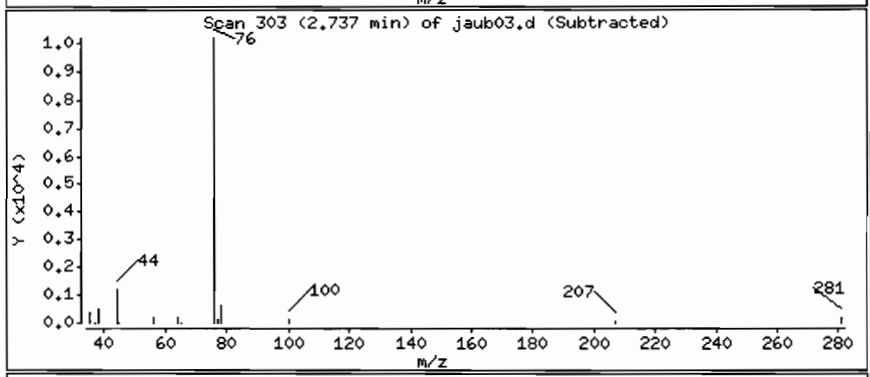
Column diameter: 0.53

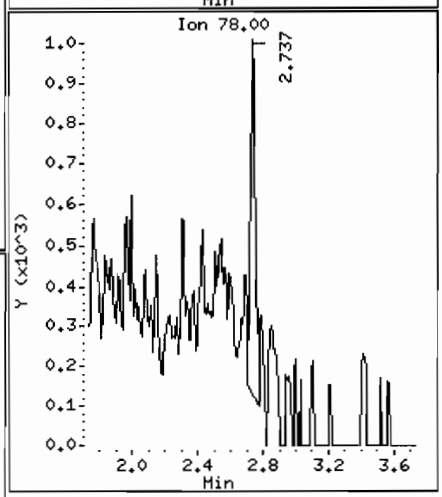
13 Carbon disulfide

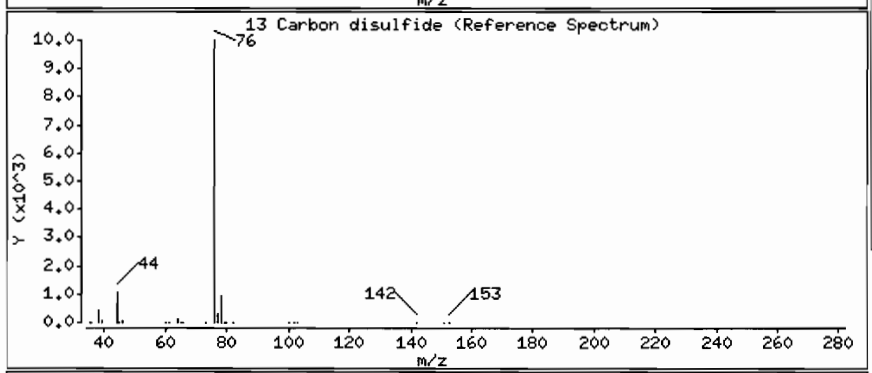
Concentration: 0.10 ug/L

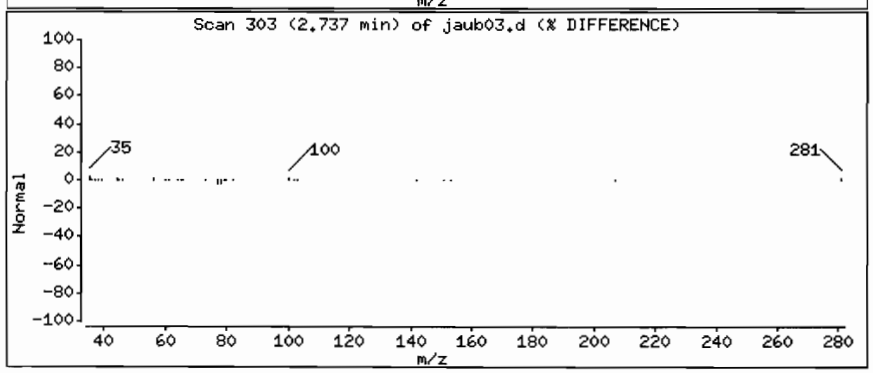












Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJV

Instrument: J.i

Sample Info: JAUB03

Purge Volume: 25.0

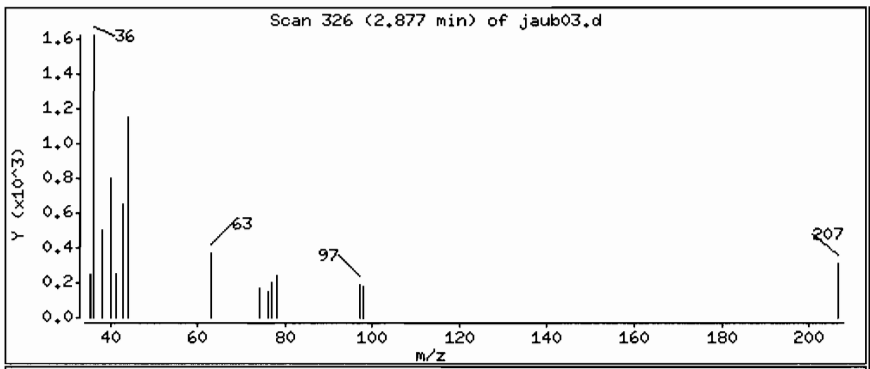
Operator: JH2

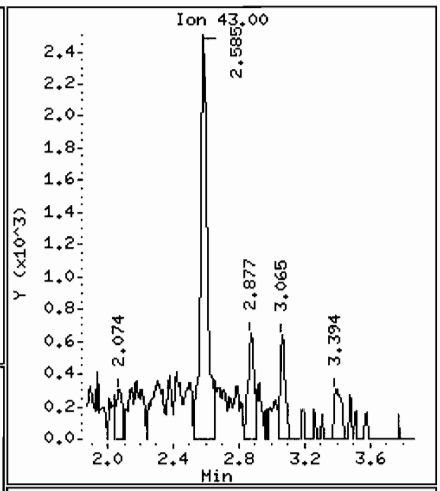
Column phase: DB-624

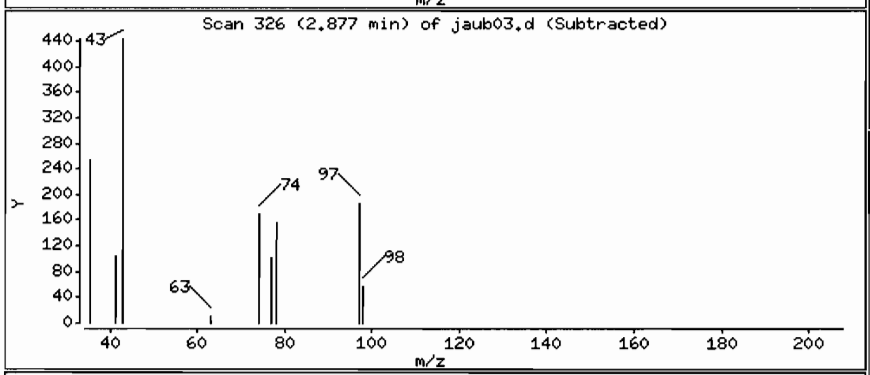
Column diameter: 0.53

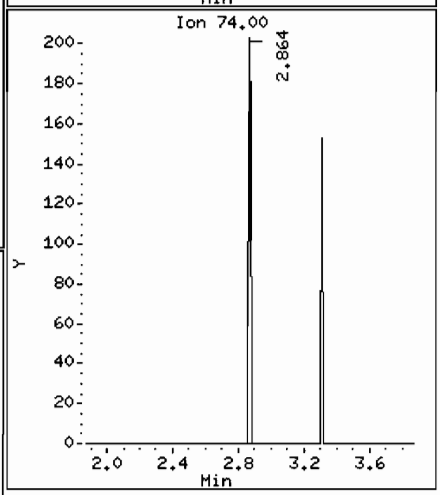
14 Methyl acetate

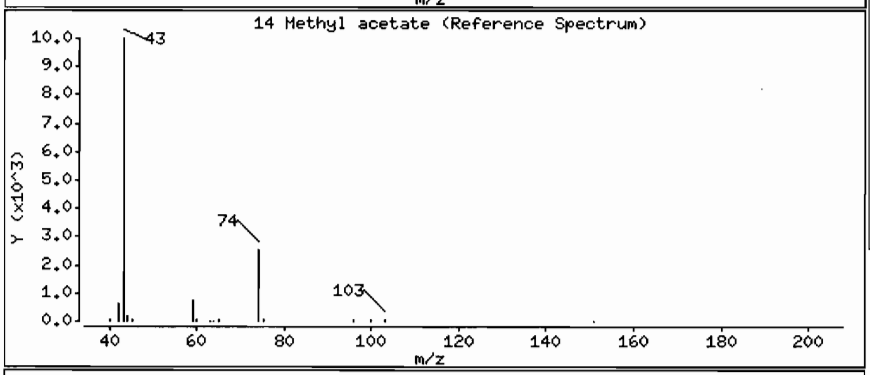
Concentration: 0.16 ug/L

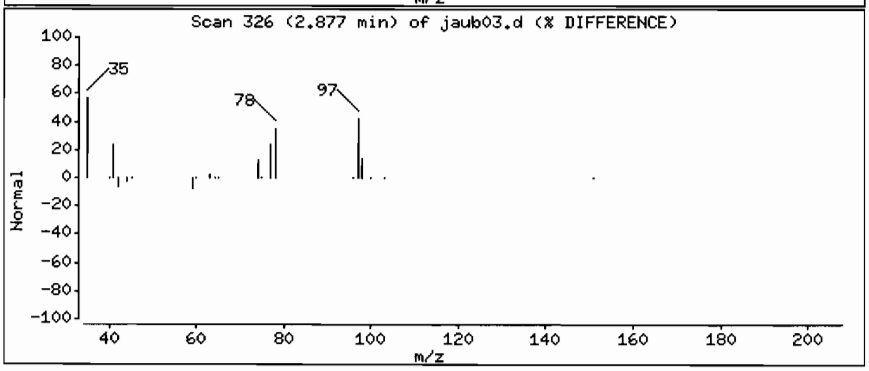












Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJV

Instrument: J.i

Sample Info: JAUB03

Purge Volume: 25.0

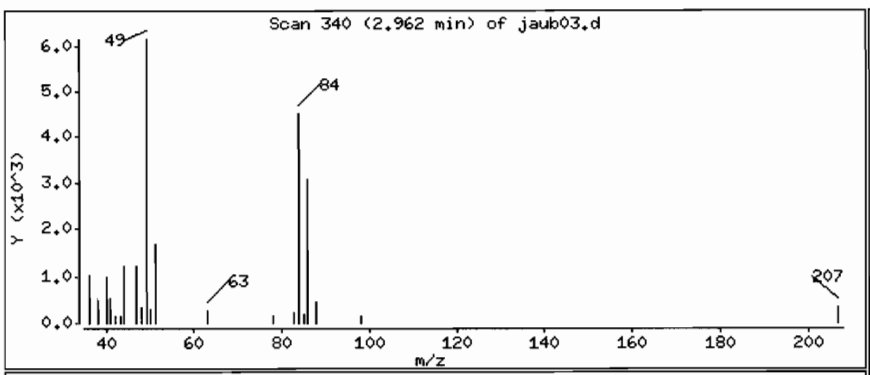
Operator: JH2

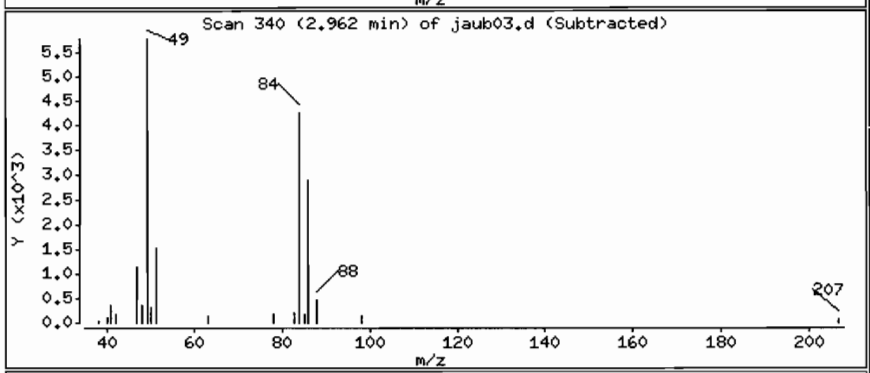
Column phase: DB-624

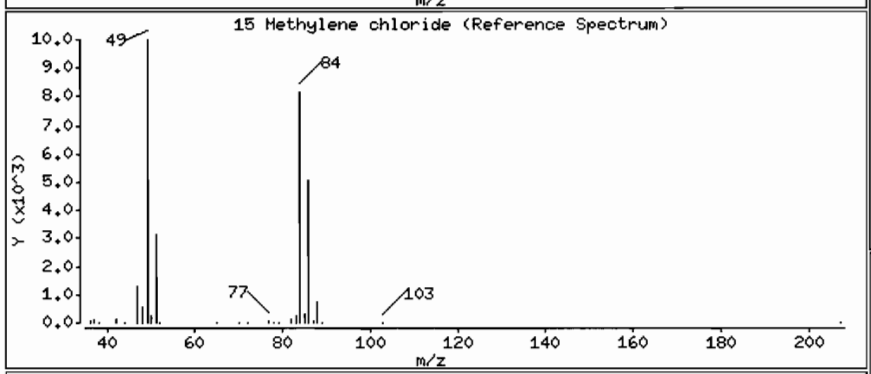
Column diameter: 0.53

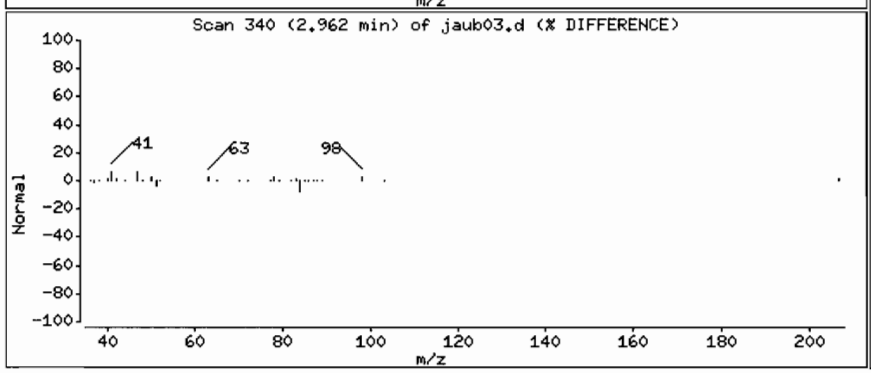
15 Methylene chloride

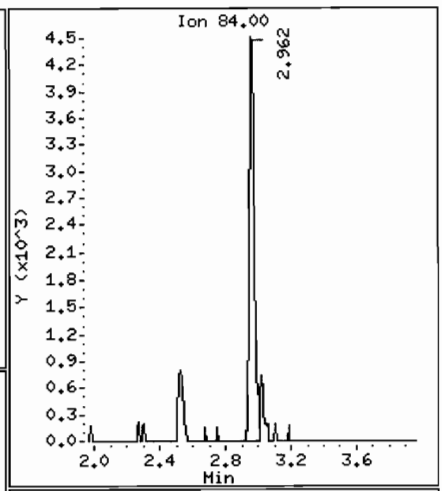
Concentration: 0.15 ug/L

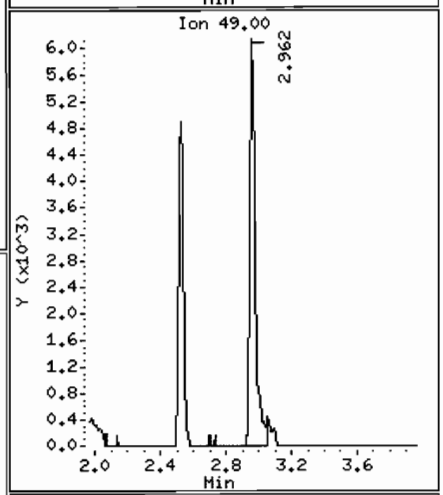


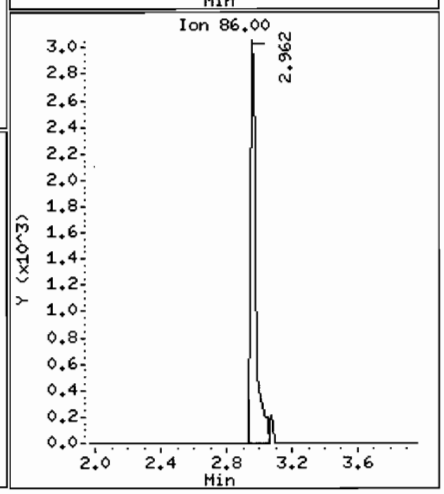












Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJV

Instrument: J.i

Sample Info: JAUB03

Purge Volume: 25.0

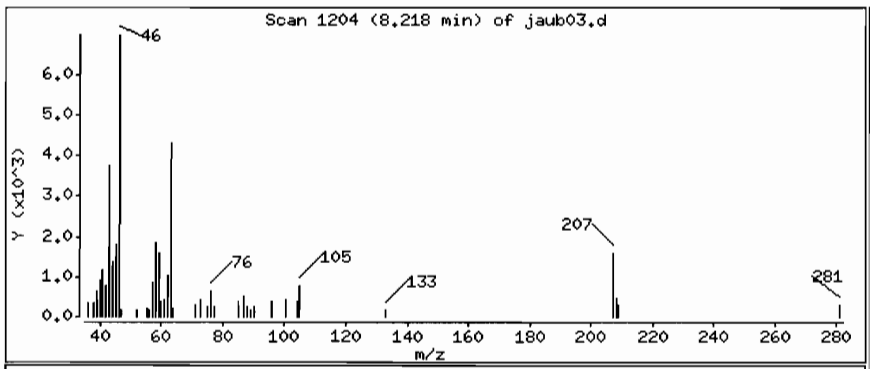
Operator: JH2

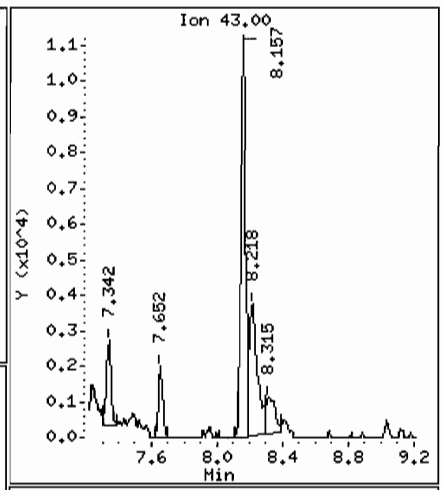
Column phase: DB-624

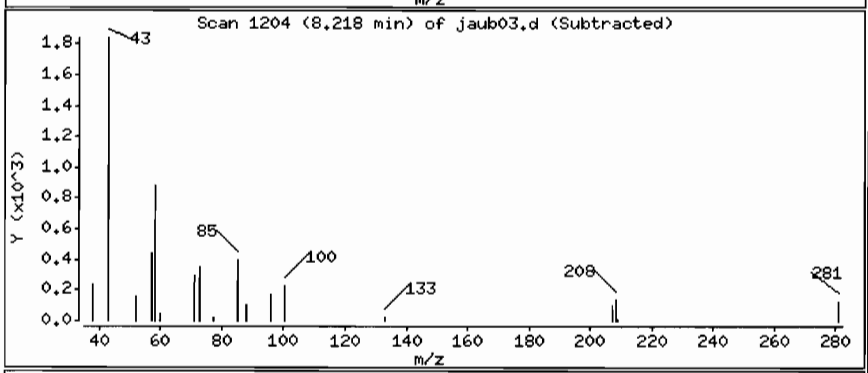
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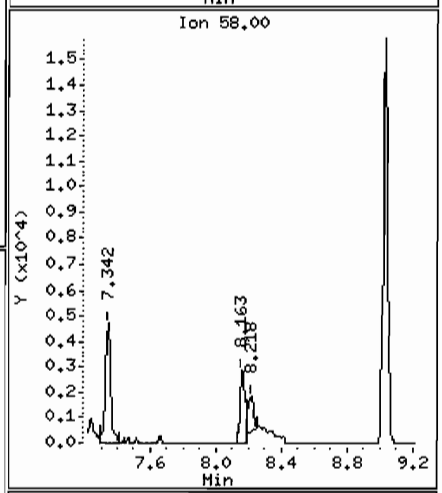
47 2-Hexanone

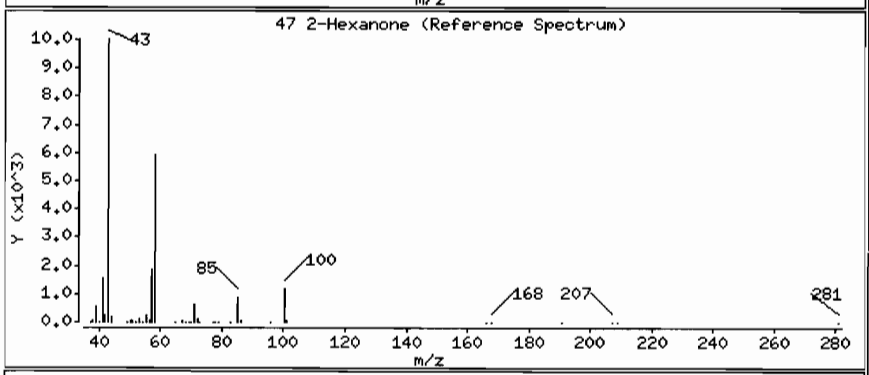
Concentration: 1.5 ug/L

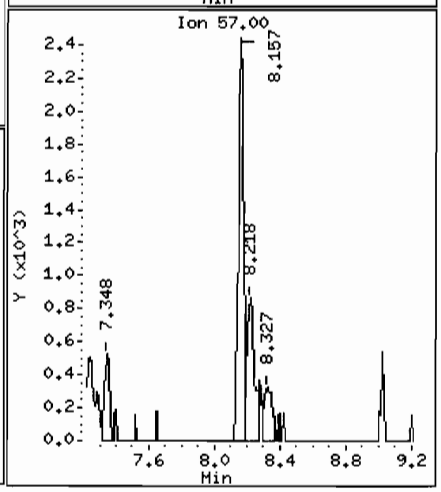


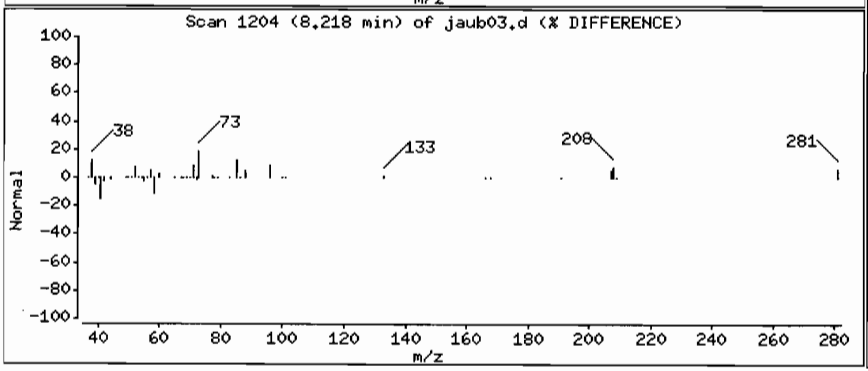












Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJW

Instrument: J.i

Sample Info: JAUB03

Purge Volume: 25.0

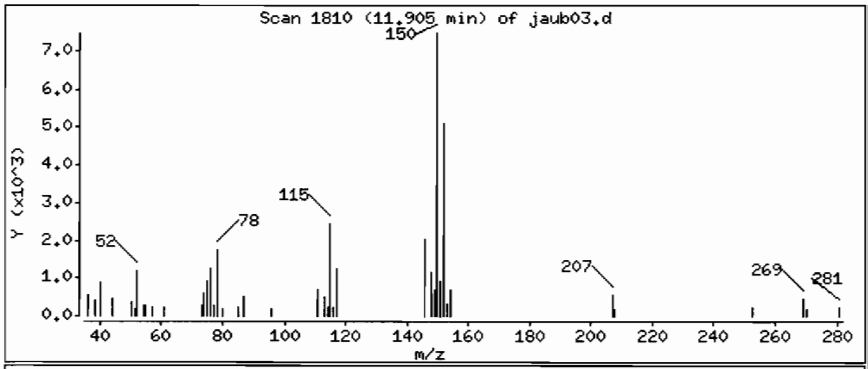
Operator: JH2

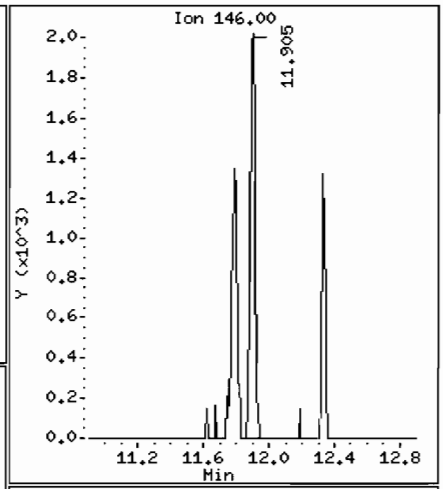
Column phase: DB-624

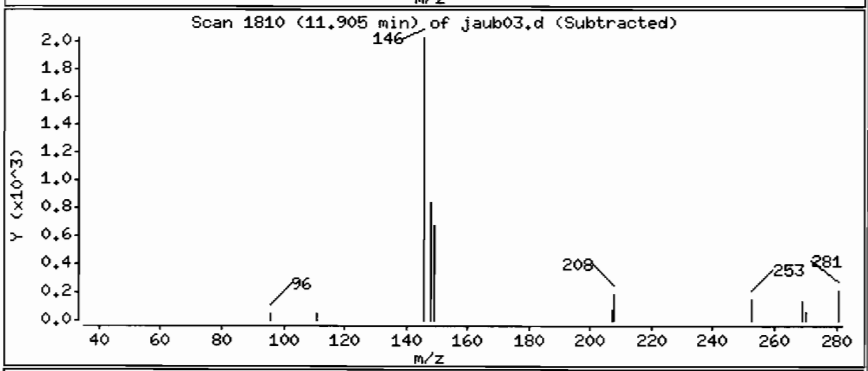
Column diameter: 0.53

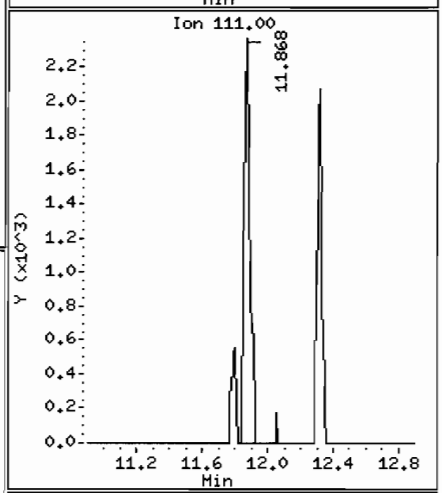
62 1,4-Dichlorobenzene

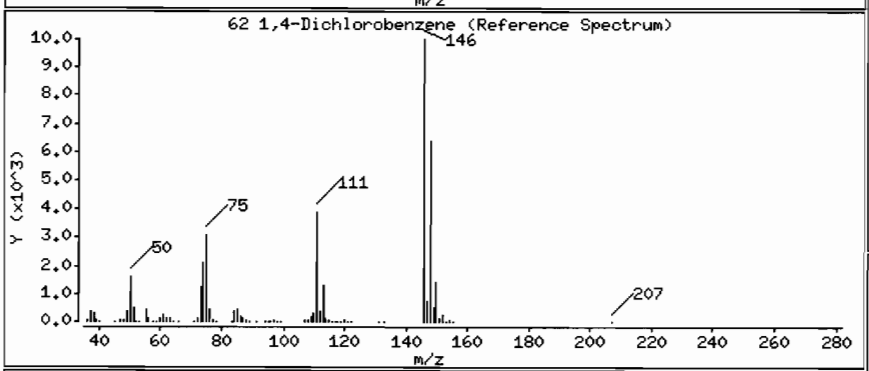
Concentration: 0.038 ug/L

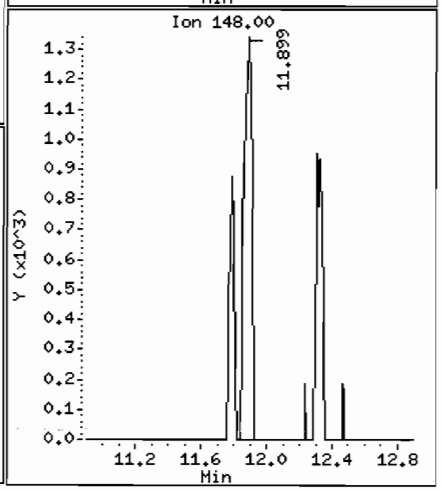


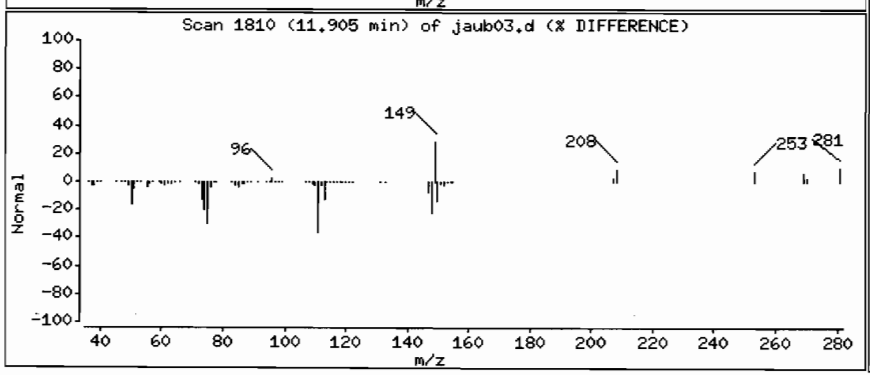












Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJV

Instrument: J.i

Sample Info: JAUB03

Purge Volume: 25.0

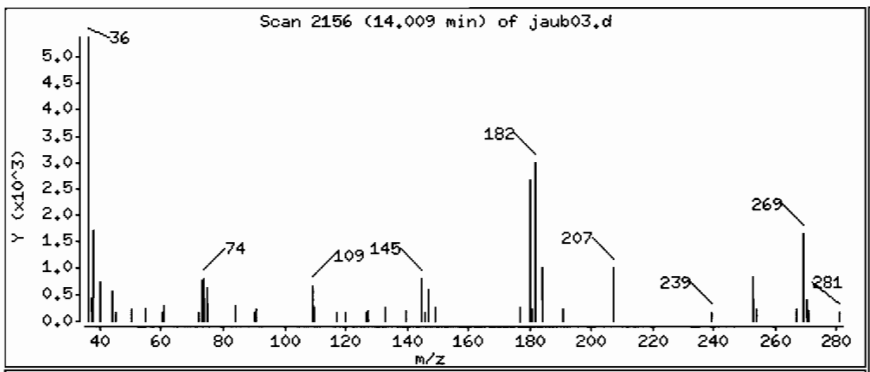
Operator: JH2

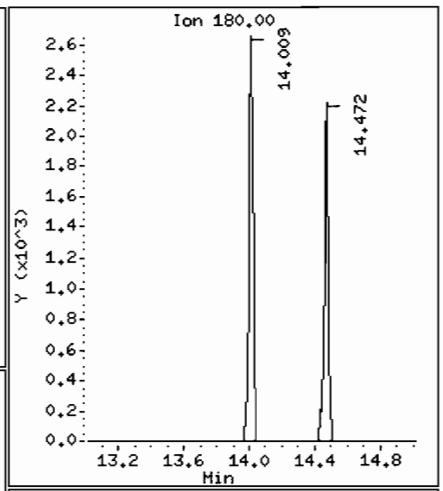
Column phase: DB-624

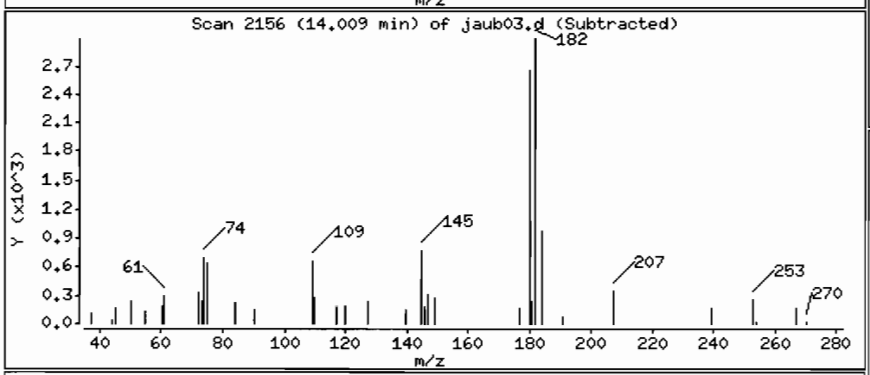
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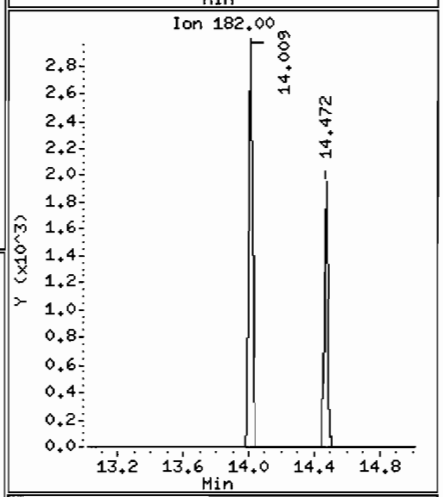
66 1,2,4-Trichlorobenzene

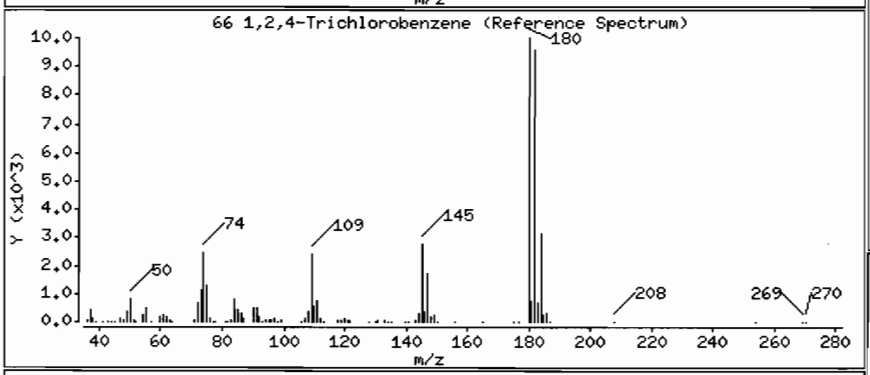
Concentration: 0.11 ug/L

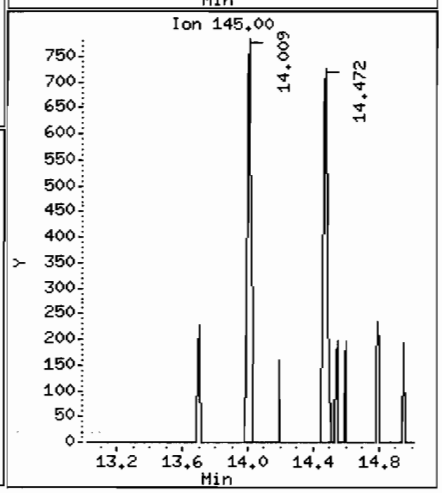


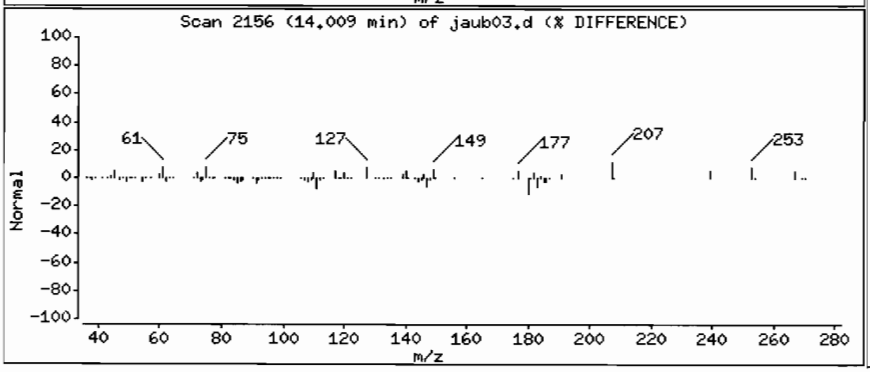












Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJV

Instrument: J.i

Sample Info: JAUB03

Purge Volume: 25.0

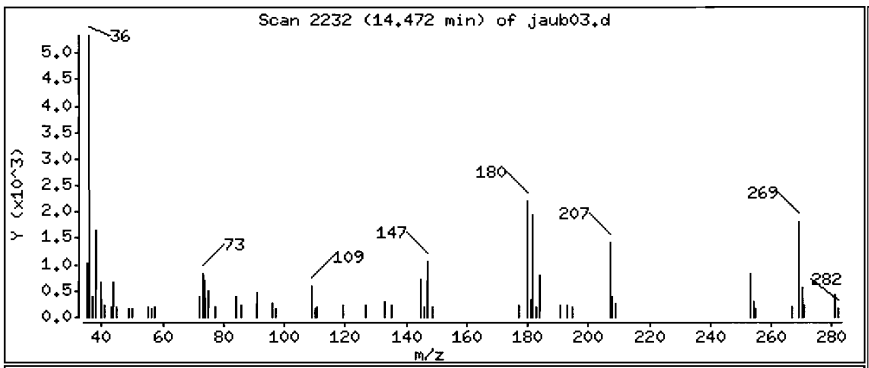
Operator: JH2

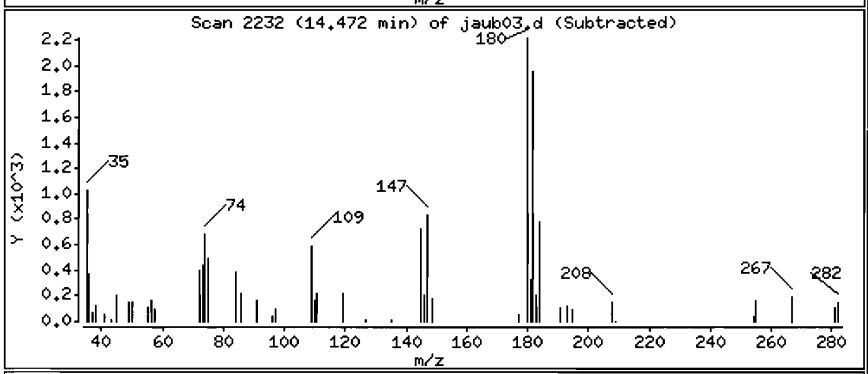
Column phase: DB-624

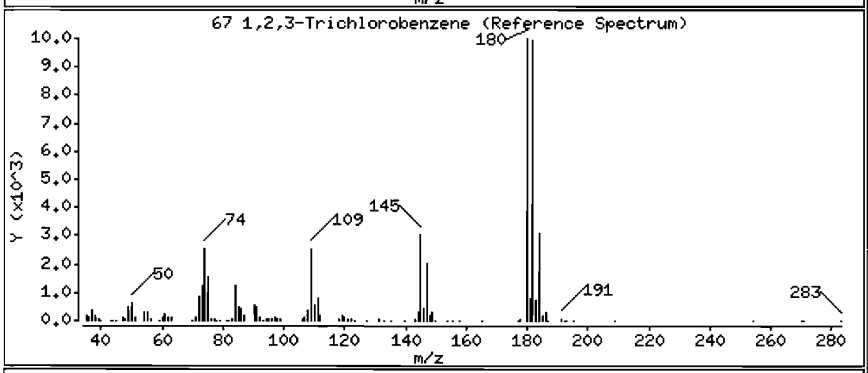
Column diameter: 0.53

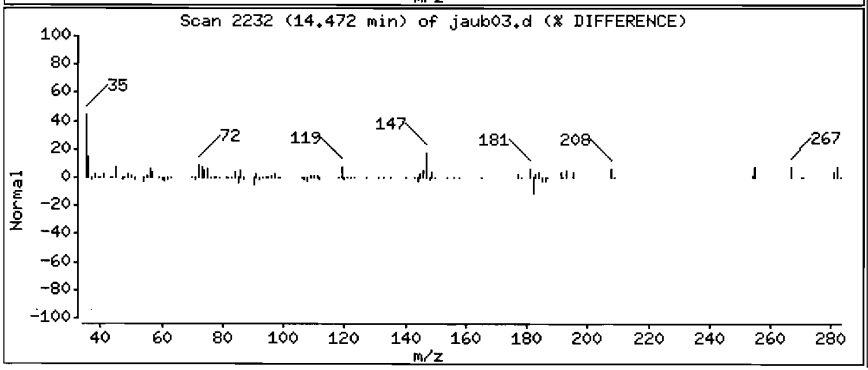
67 1,2,3-Trichlorobenzene

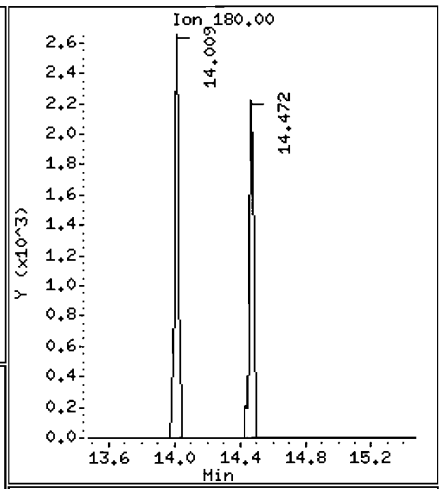
Concentration: 0.13 ug/L

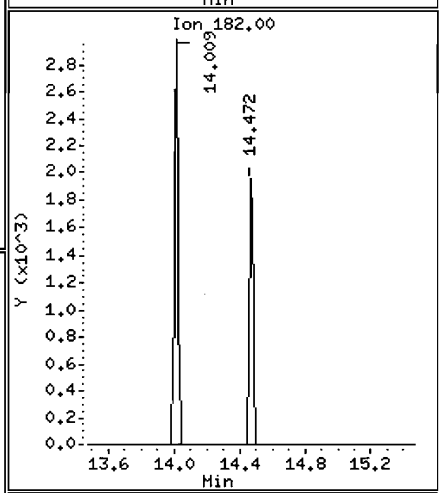


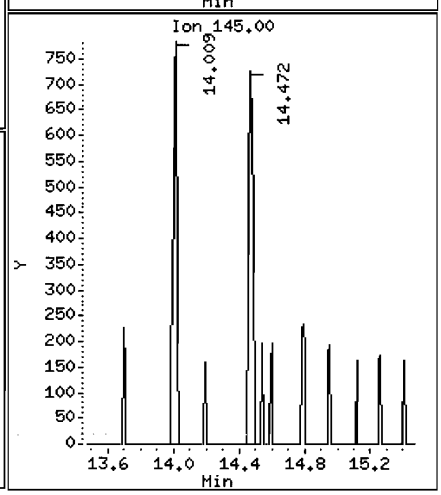












Data File: /chem/J.i/Jsvr.p/jausmtr.b/jaub03.d

Date : 25-MAY-2010 12:51

Client ID: VBLKJV

Instrument: J.i

Sample Info: JAUB03

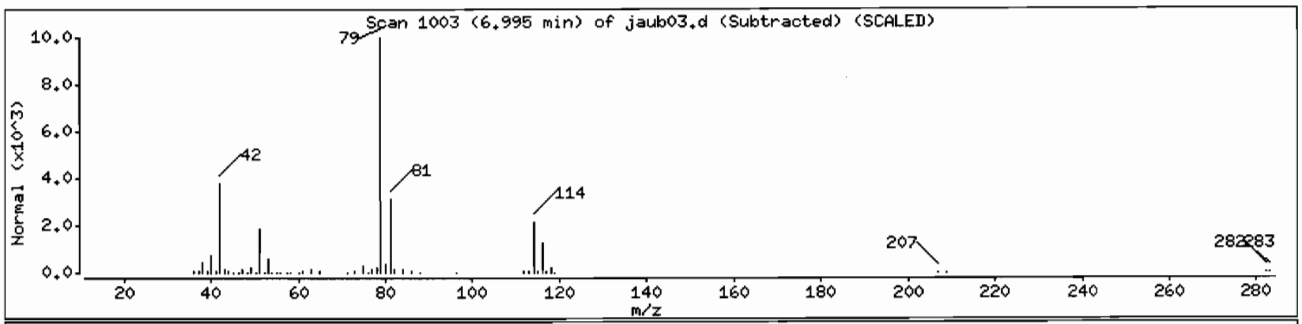
Purge Volume: 25.0

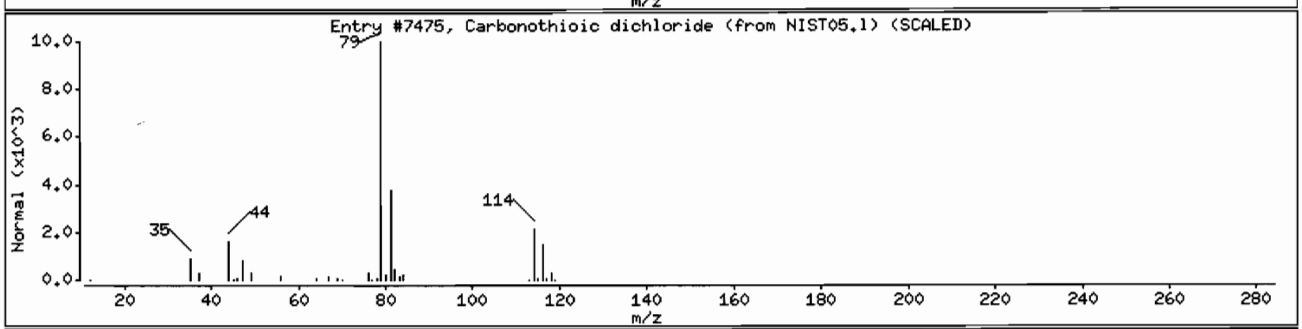
Operator: JH2

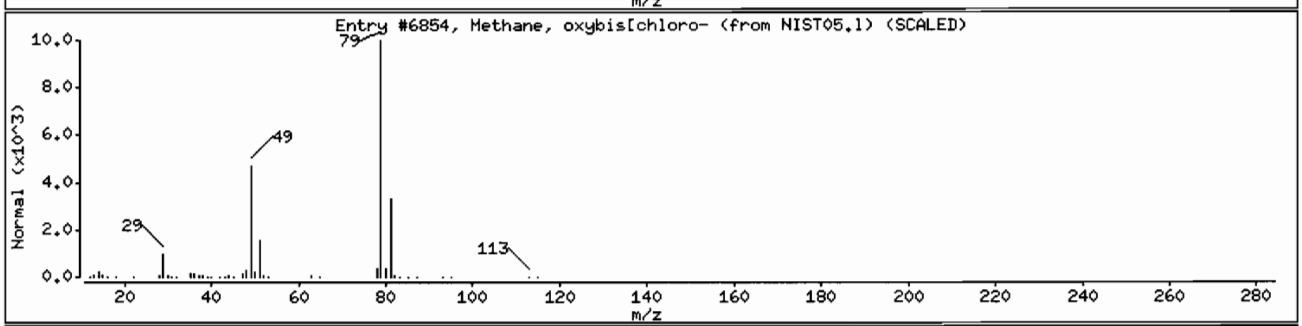
Column phase: DB-624

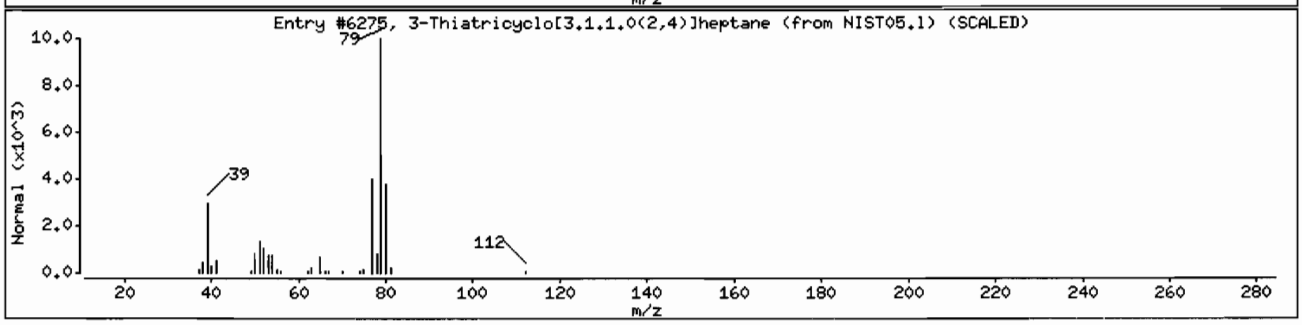
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	59	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	28	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	25	C6H8S	112









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJW

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJW

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB02A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.5	J
75-15-0	Carbon disulfide	0.068	J
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.073	J
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJW

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJW

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB02A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	1.1	J
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.075	J
87-61-6	1,2,3-Trichlorobenzene	0.060	J

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKJW

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJW

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB02A

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.1	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

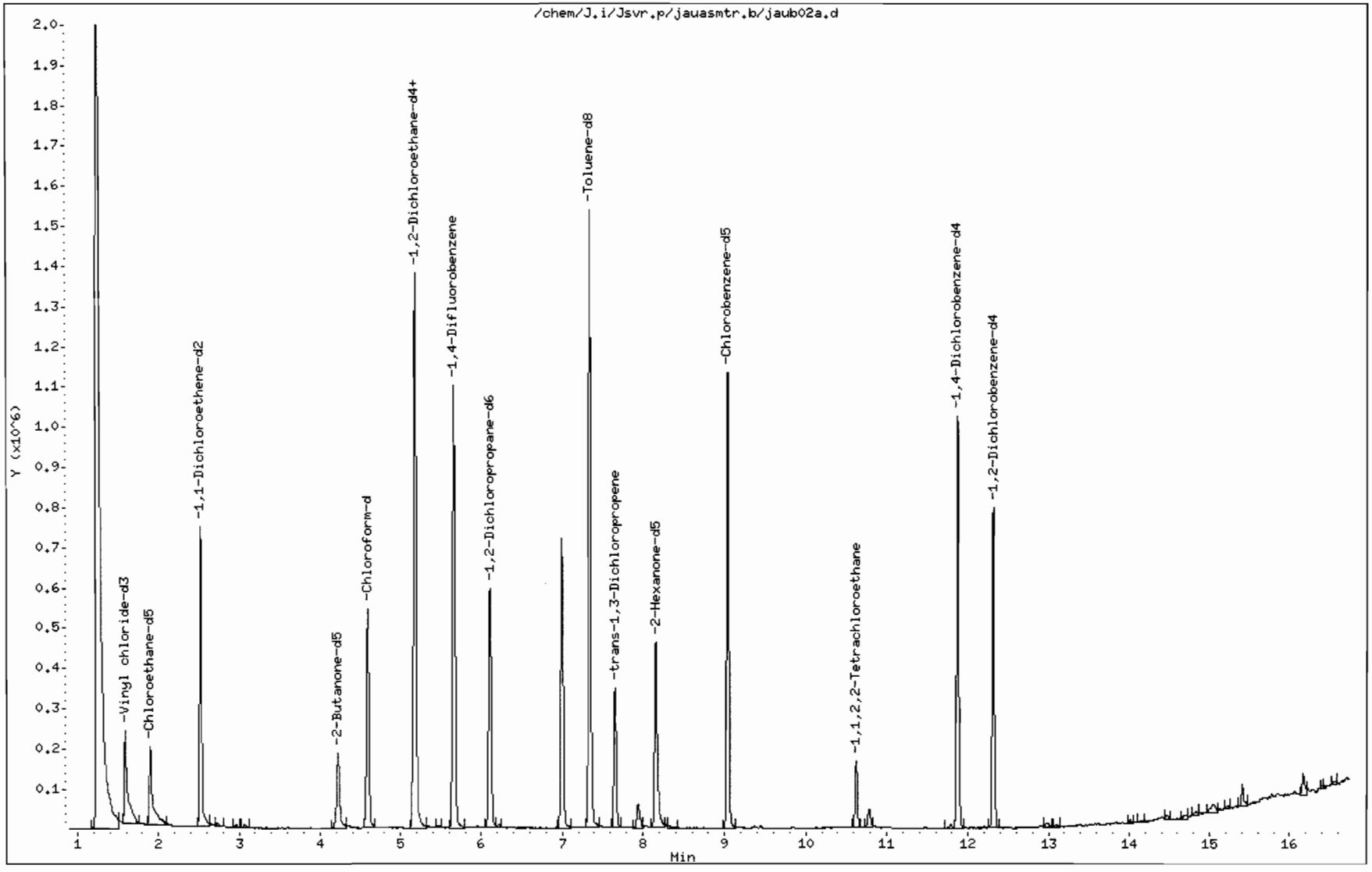
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d
Date : 25-MAY-2010 20:06
Client ID: VBLKJW
Sample Info: JAUB02A
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d
Lab Smp Id: VBLKJW Client Smp ID: VBLKJW
Inj Date : 25-MAY-2010 20:06
Operator : JP1 Inst ID: J.i
Smp Info : JAUB02A
Misc Info : MBLK052510JW,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.280)	428731	5.12501	5.1
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	326244	5.23855	5.2
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	538707	4.03431	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	2.584	(0.458)	4190	1.48439	1.5(a)
13	Carbon disulfide	76	2.737	2.737	(0.484)	13925	0.06849	0.068(a)
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	4295	0.07299	0.073(a)
	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	4.221	4.221	(0.746)	286077	55.6940	56
	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	4.592	4.592	(0.812)	539487	5.05094	5.1
	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	5.164	5.164	(0.913)	175911	5.18748	5.2
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1356582	5.39734	5.4
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1030382	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.107	6.101	(0.676)	344646	5.28801	5.3
	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	7.342	7.342	(0.812)	1204836	5.32241	5.3
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	239486	5.17685	5.2
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	229964	56.0137	56
	47 2-Hexanone	43	8.212	8.218	(0.908)	8953	1.05652	1.1(a)
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	754960	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	102927	4.97084	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	11.874	11.874	(1.000)	320242	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	239062	5.14428	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	14.015	14.009	(1.180)	3033	0.07509	0.075(aQ)
67 1,2,3-Trichlorobenzene	180	14.472	14.472	(1.219)	1723	0.06047	0.060(a)

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/jauasmtr.b/jaub02a.d
Lab Smp Id: VBLKJW Client Smp ID: VBLKJW
Inj Date : 25-MAY-2010 20:06
Operator : JP1 Inst ID: J.i
Smp Info : JAUB02A
Misc Info : MBLK052510JW,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 1 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2346495	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1462348	3.11602480	3.1	0		0	32

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d

Date : 25-MAY-2010 20:06

Client ID: VBLKJW

Instrument: J.i

Sample Info: JAUB02A

Purge Volume: 25.0

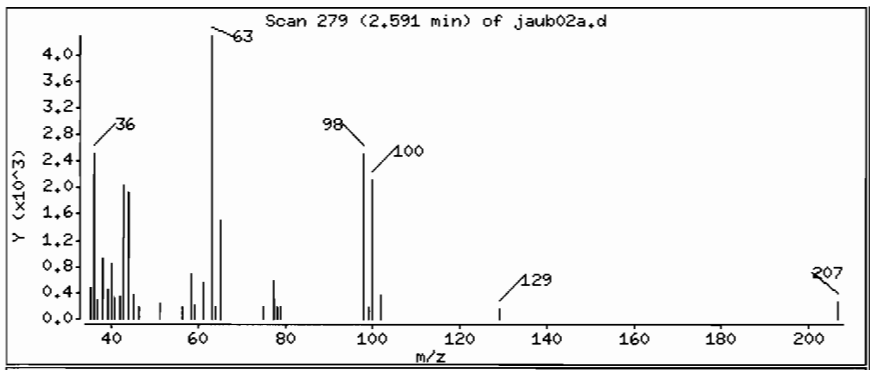
Operator: JP1

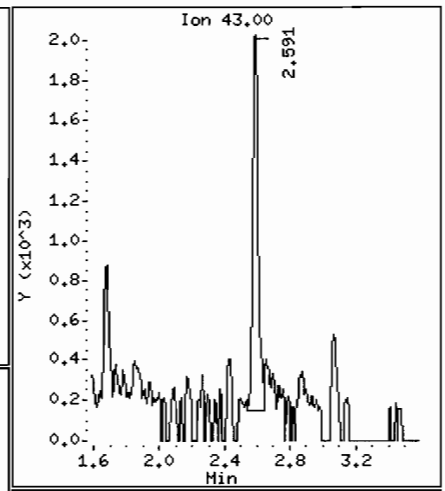
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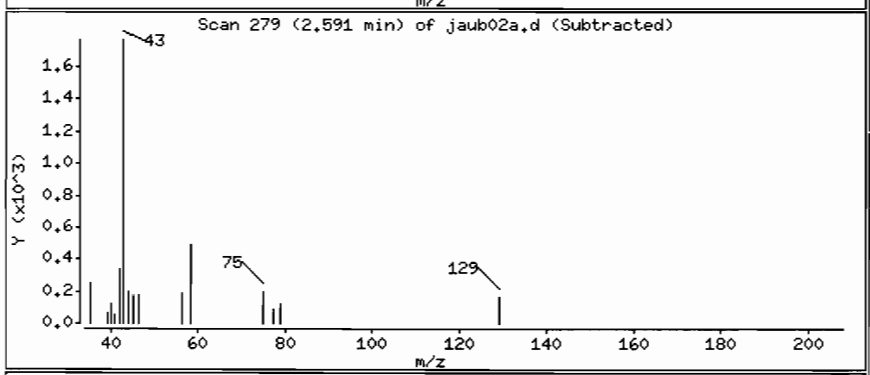
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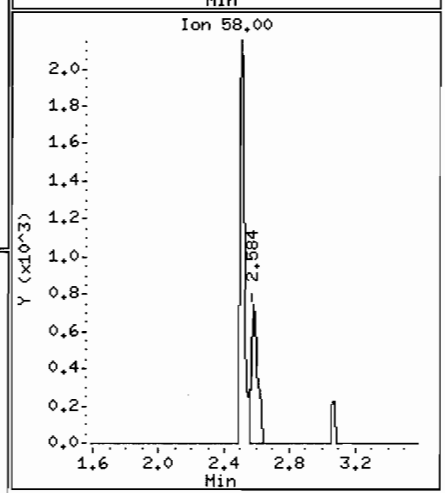
12 Acetone

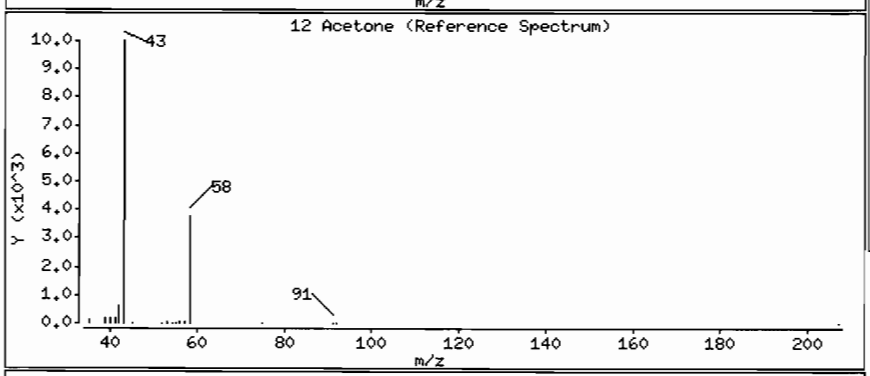
Concentration: 1.5 ug/L

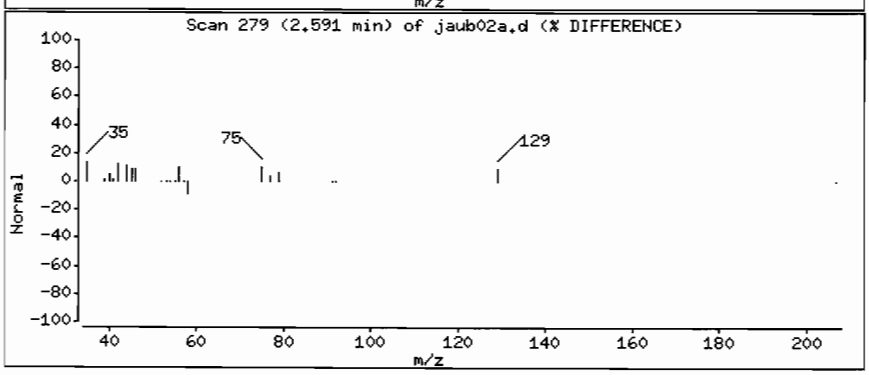












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d

Date : 25-MAY-2010 20:06

Client ID: VBLKJW

Instrument: J.i

Sample Info: JAUB02A

Purge Volume: 25.0

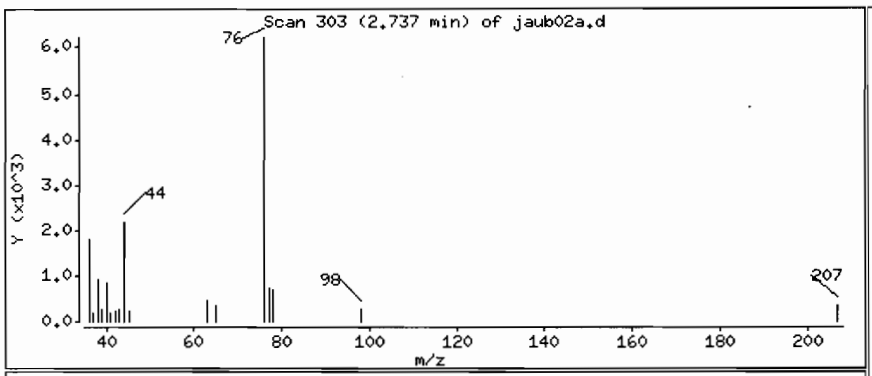
Operator: JP1

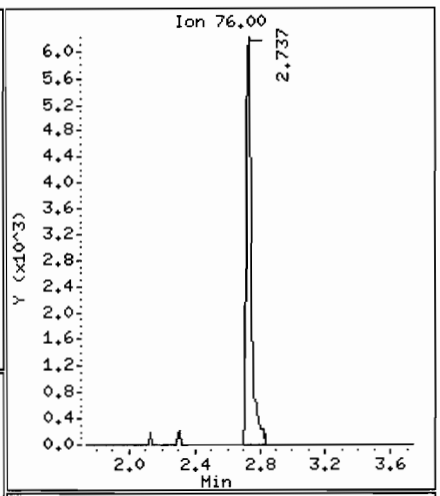
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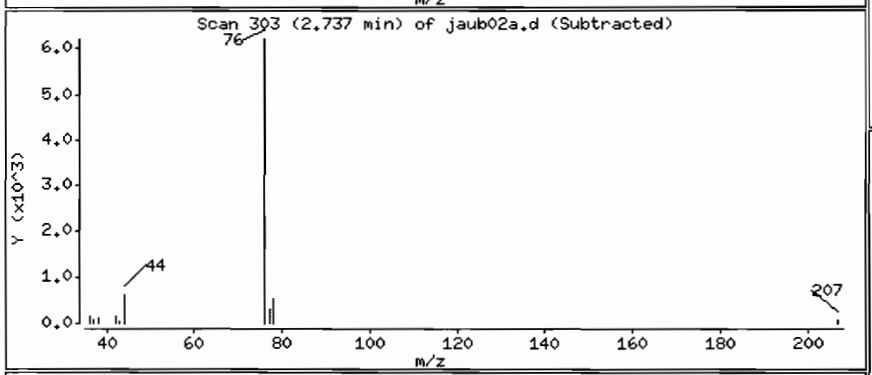
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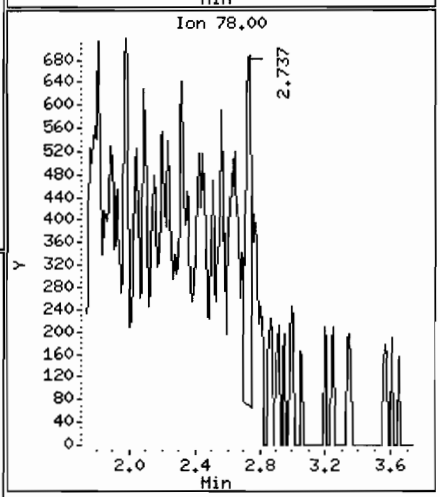
13 Carbon disulfide

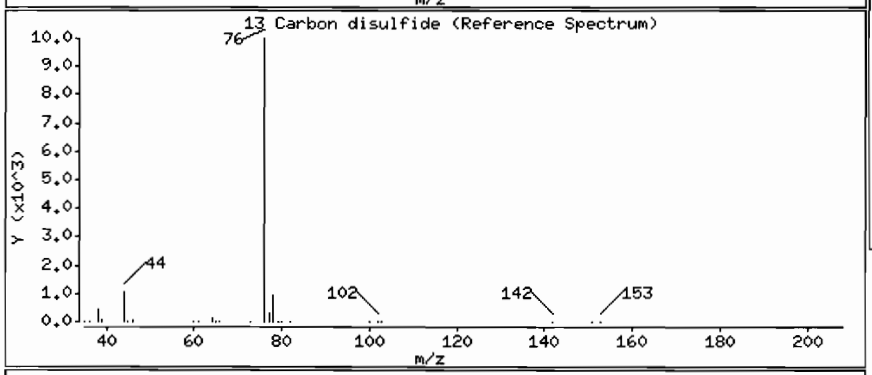
Concentration: 0.068 ug/L

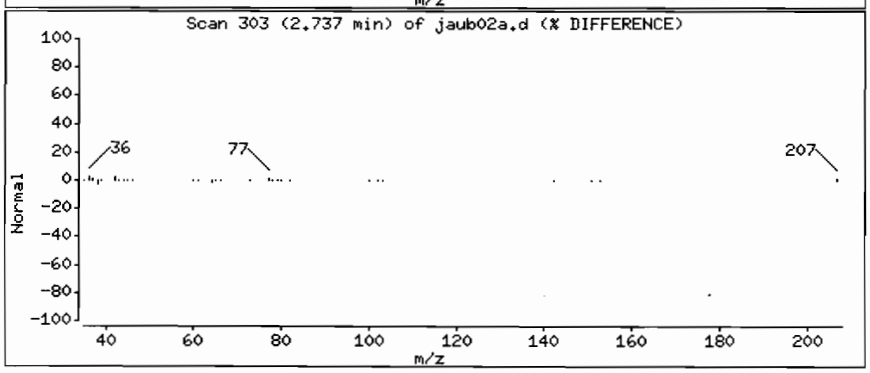












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d

Date : 25-MAY-2010 20:06

Client ID: VBLKJW

Instrument: J.i

Sample Info: JAUB02A

Purge Volume: 25.0

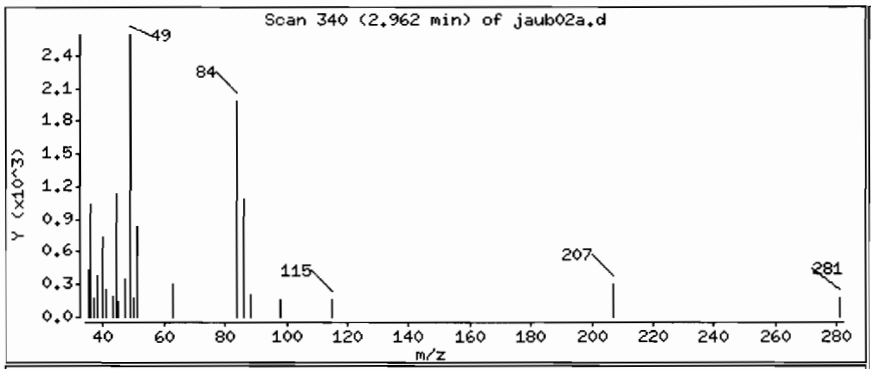
Operator: JP1

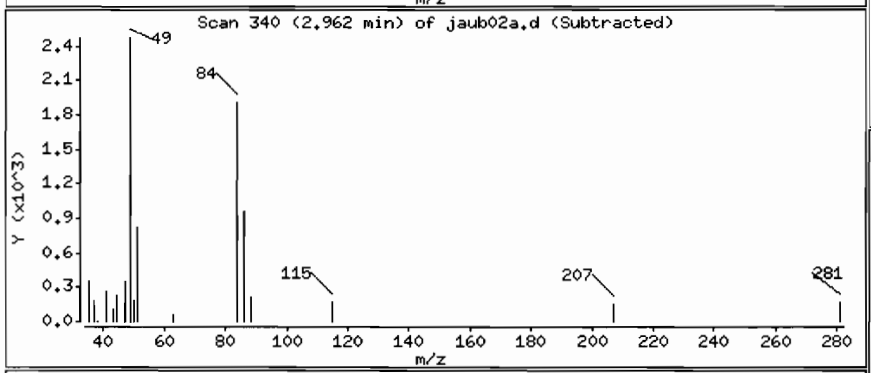
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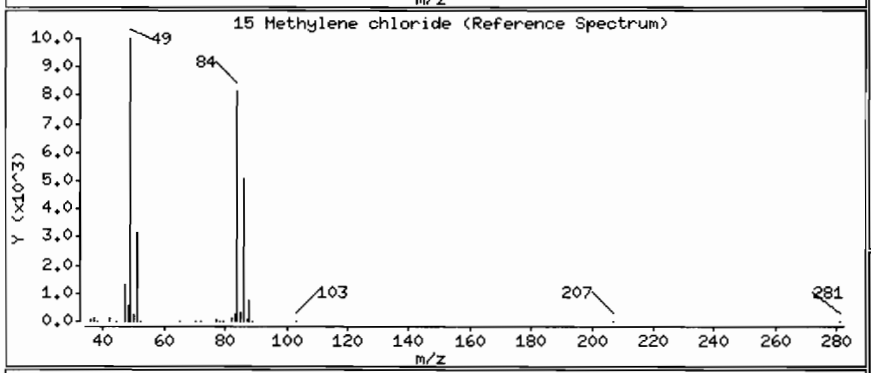
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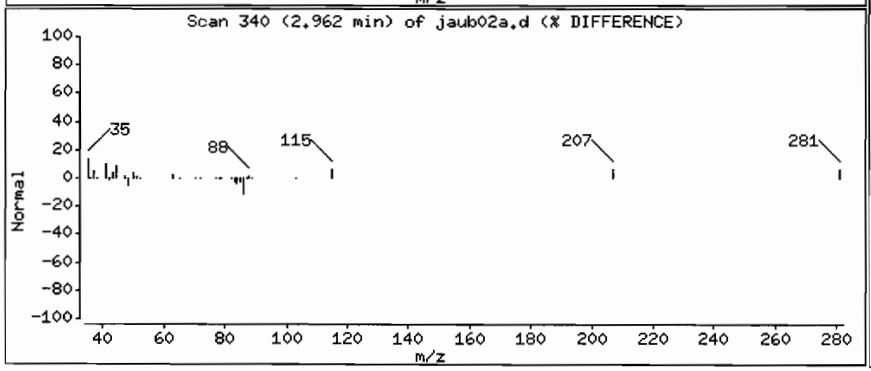
15 Methylene chloride

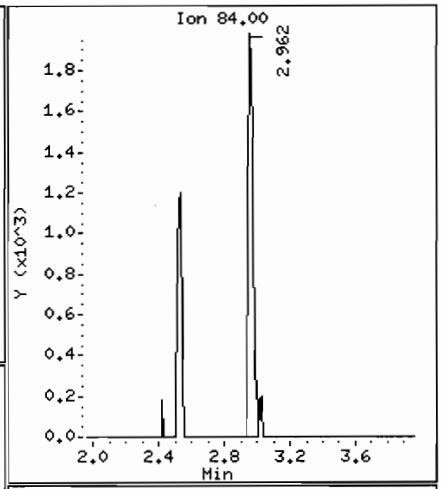
Concentration: 0.073 ug/L

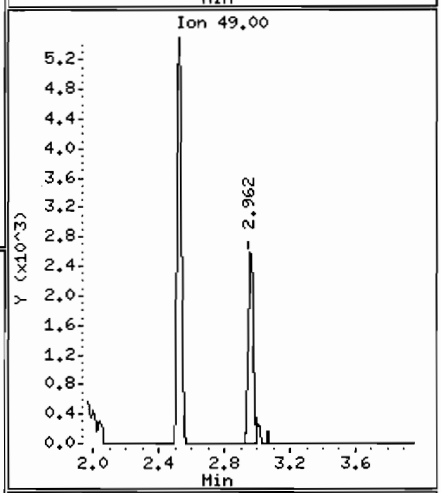


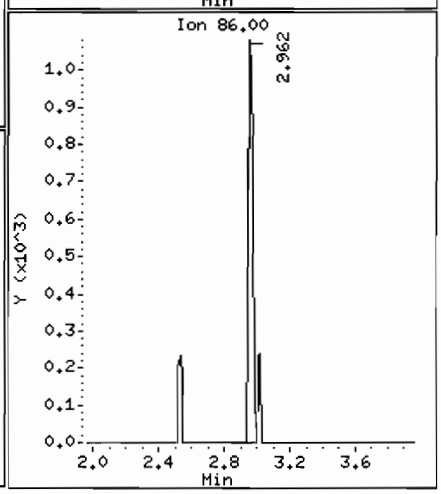












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d

Date : 25-MAY-2010 20:06

Client ID: VBLKJW

Instrument: J.i

Sample Info: JAUB02A

Purge Volume: 25.0

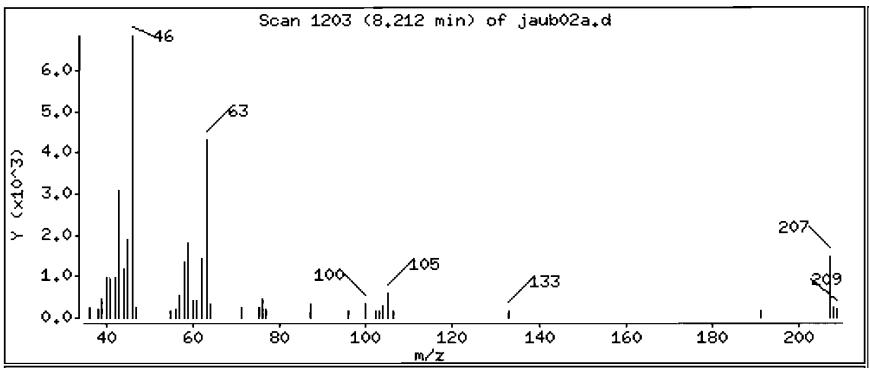
Operator: JP1

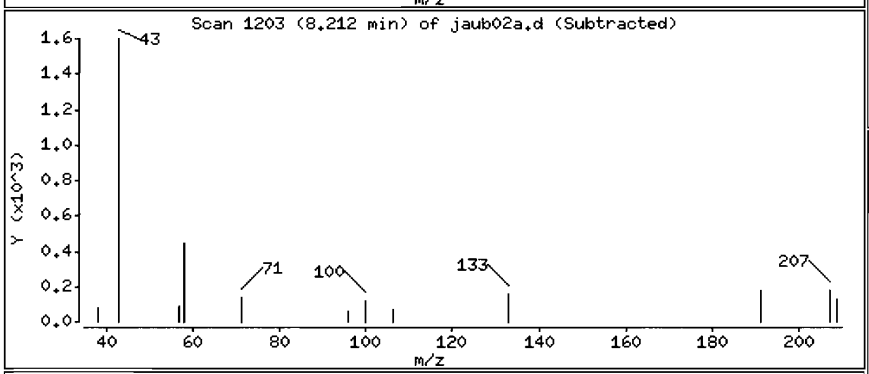
Column phase: DB-624

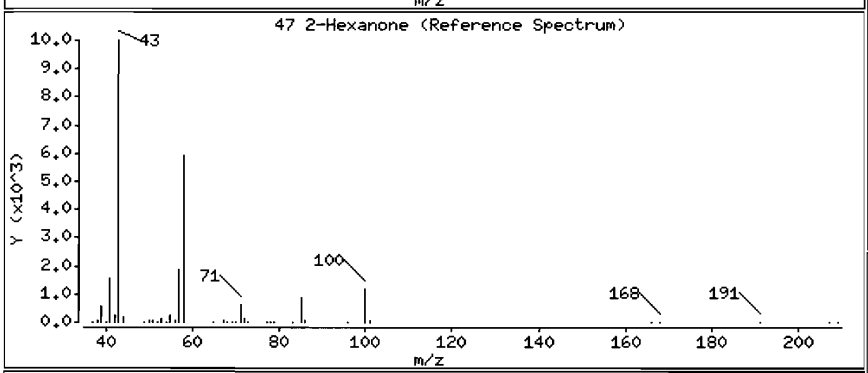
Column diameter: 0.53

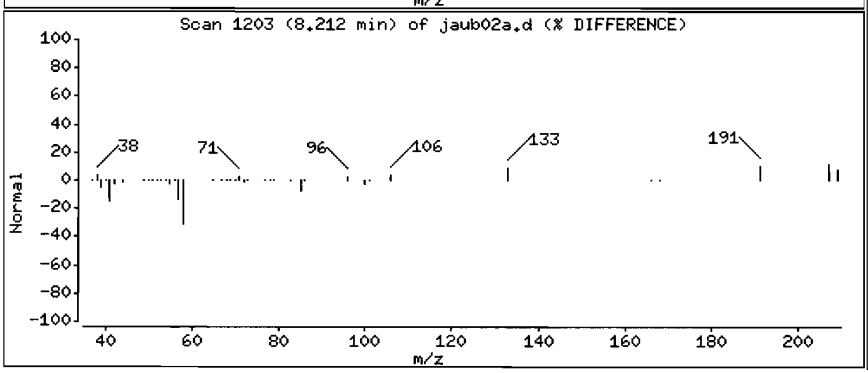
47 2-Hexanone

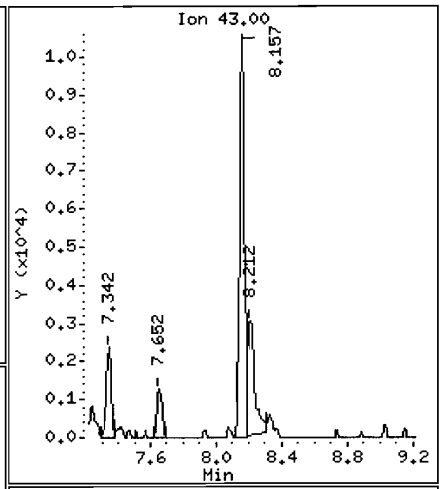
Concentration: 1.1 ug/L

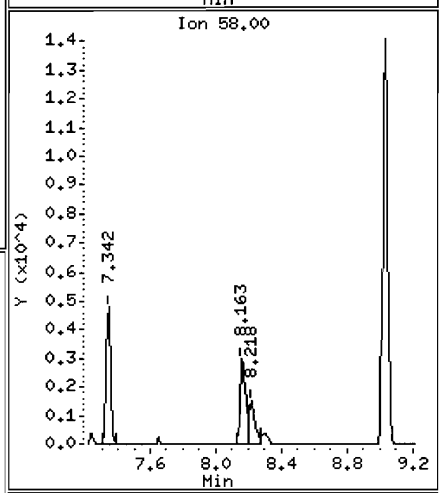


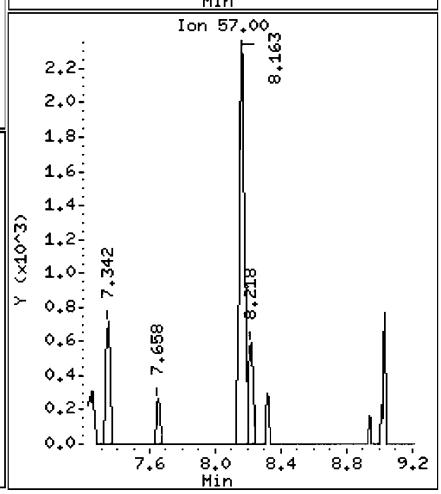












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d

Date : 25-MAY-2010 20:06

Client ID: VBLKJW

Instrument: J.i

Sample Info: JAUB02A

Purge Volume: 25.0

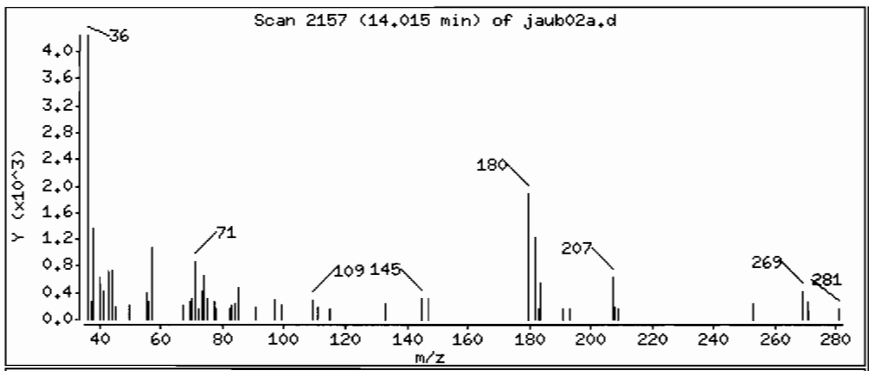
Operator: JP1

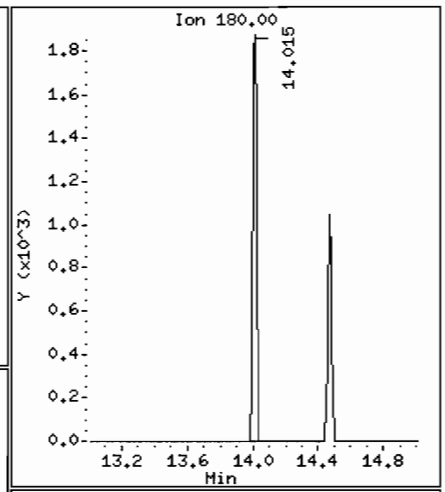
Column phase: DB-624

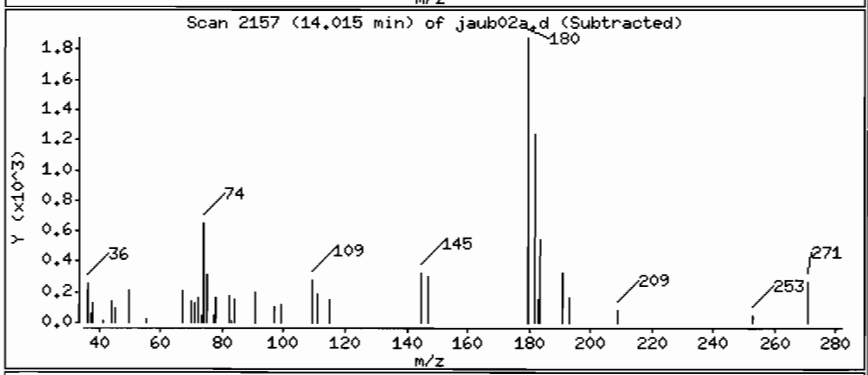
Column diameter: 0.53

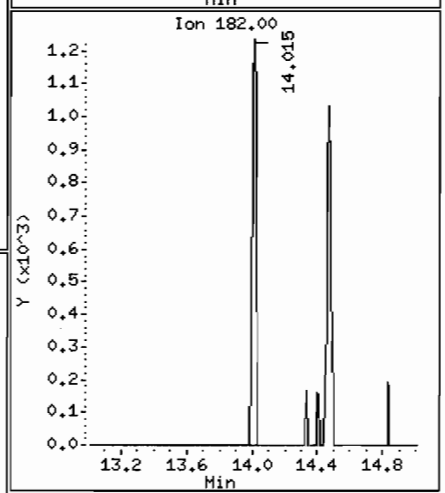
66 1,2,4-Trichlorobenzene

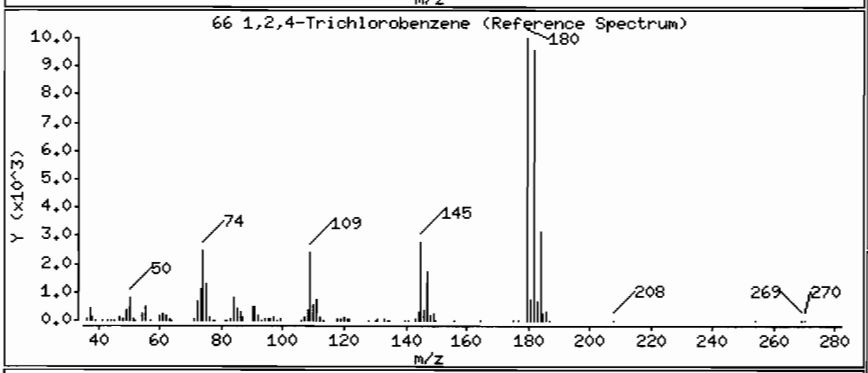
Concentration: 0.075 ug/L

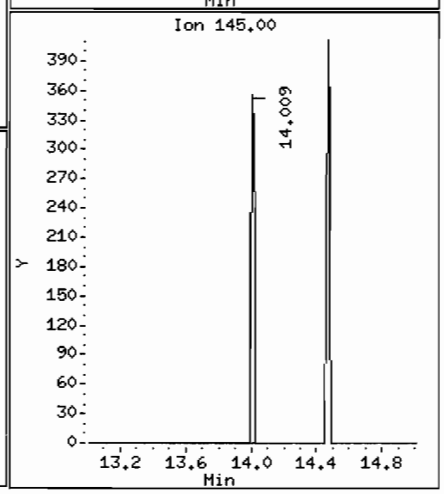


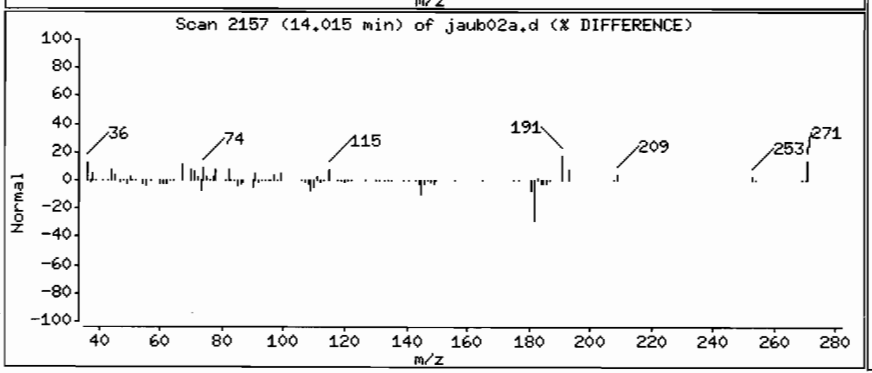












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d

Date : 25-MAY-2010 20:06

Client ID: VBLKJW

Instrument: J.i

Sample Info: JAUB02A

Purge Volume: 25.0

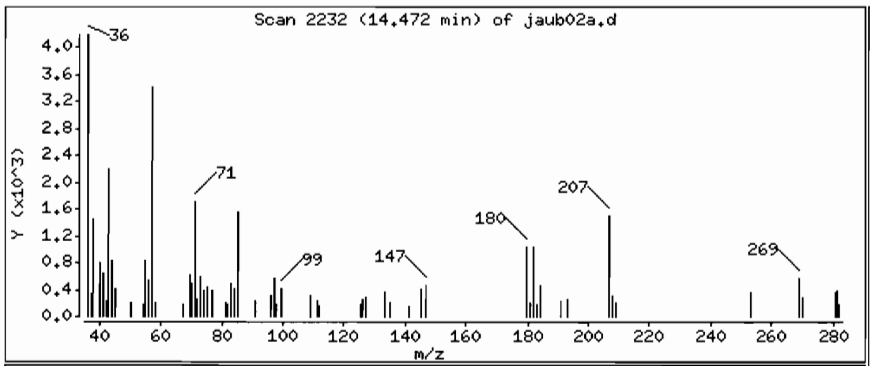
Operator: JP1

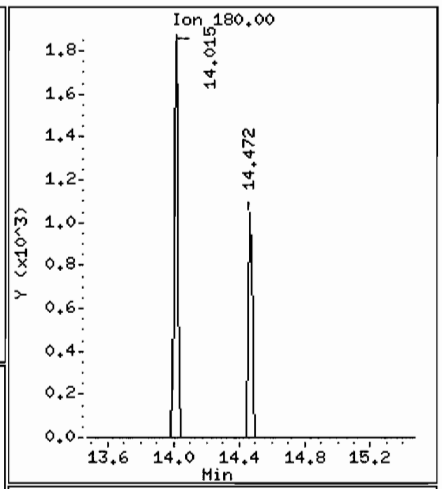
Column phase: DB-624

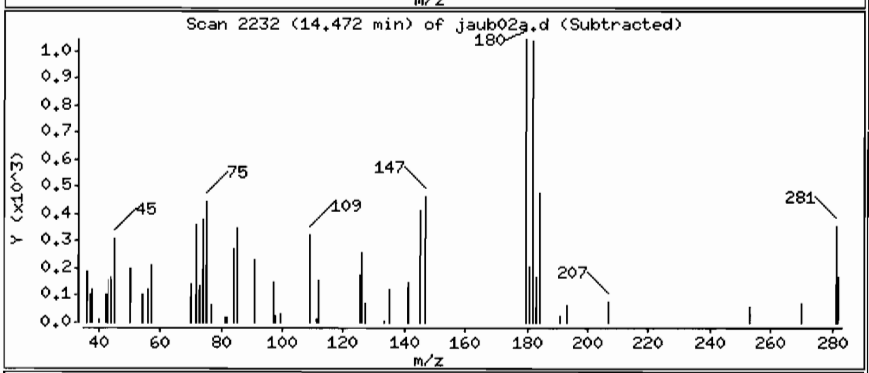
Column diameter: 0.53

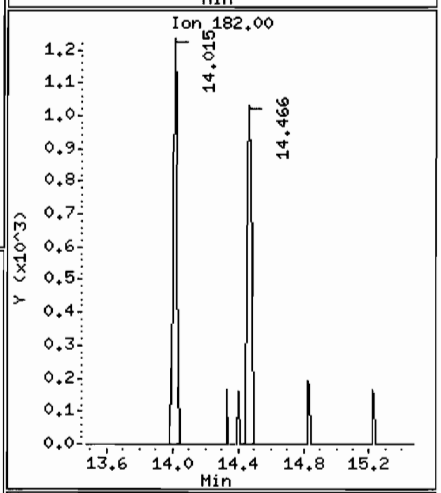
67 1,2,3-Trichlorobenzene

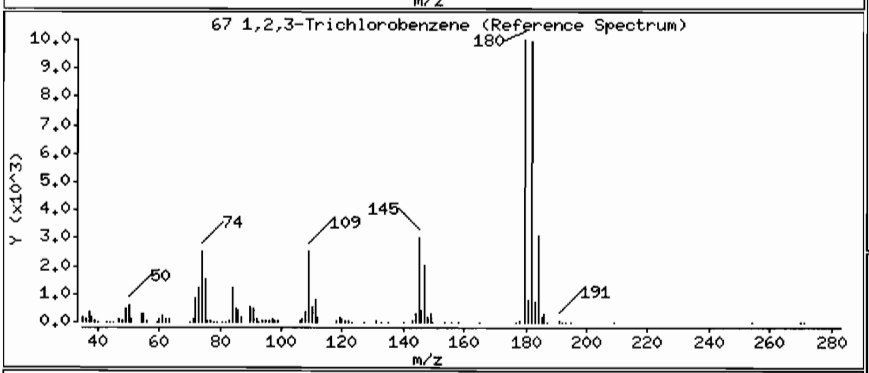
Concentration: 0.060 ug/L

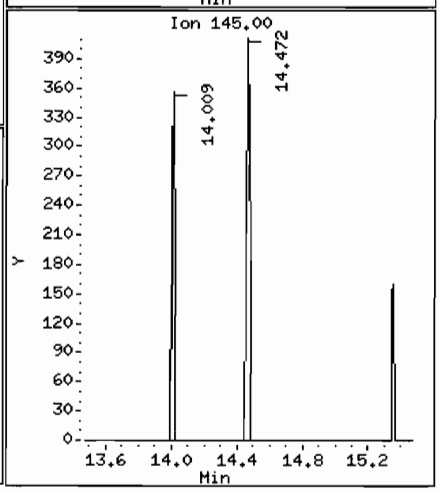


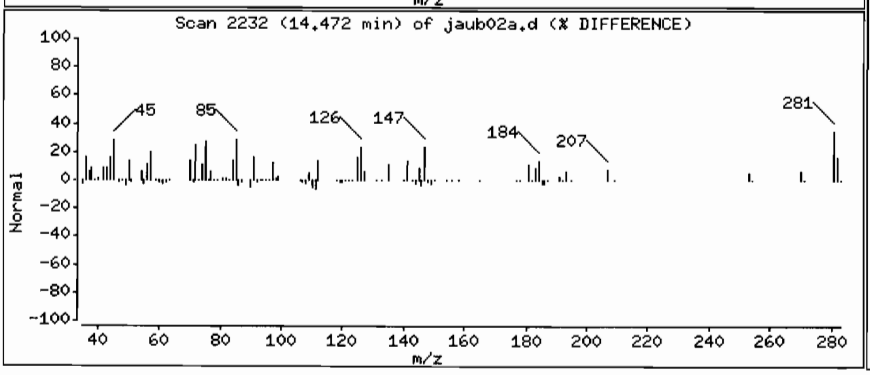












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub02a.d

Date : 25-MAY-2010 20:06

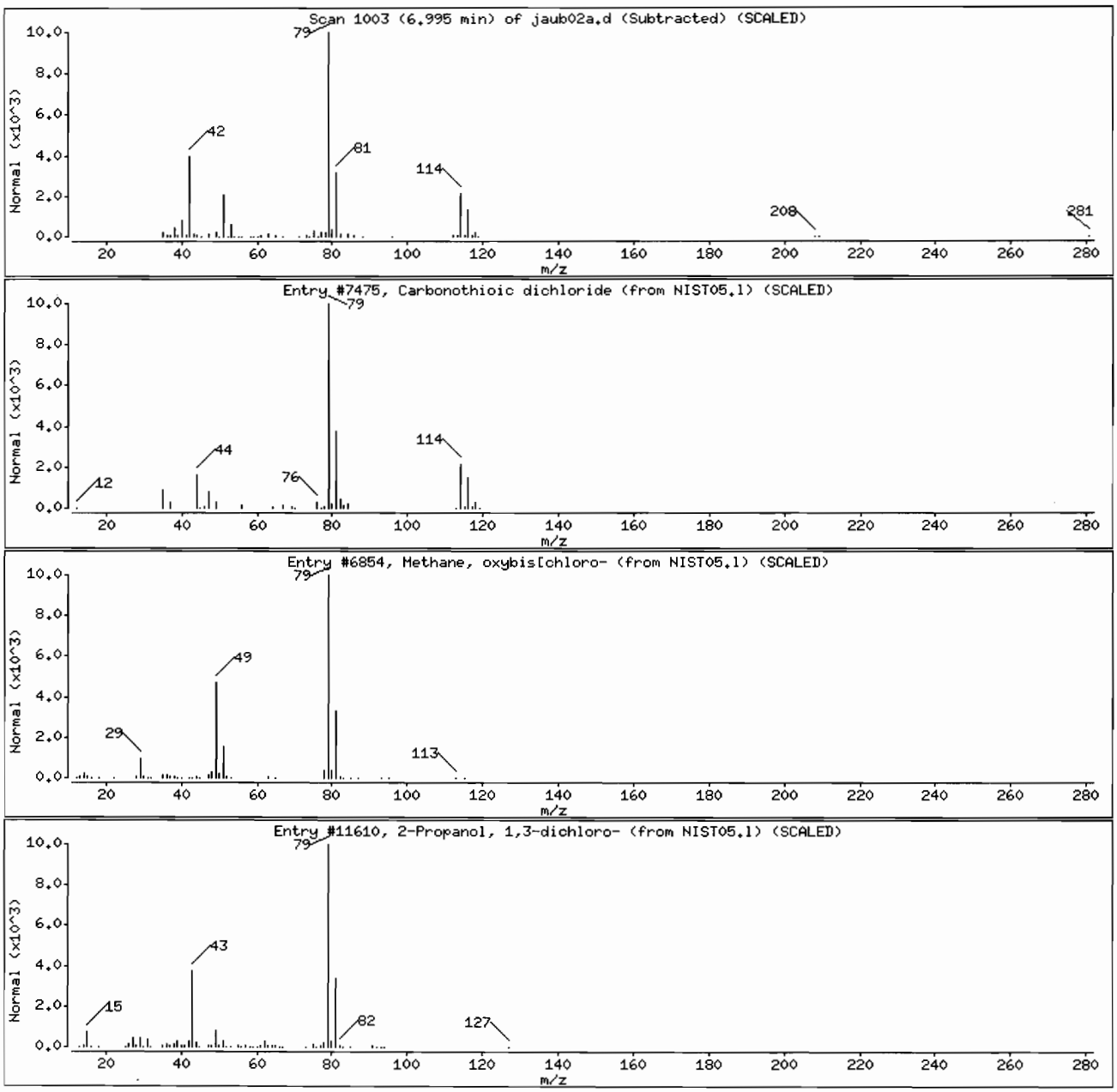
Client ID: VBLKJW Instrument: J.i

Sample Info: JAUB02A

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	47	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	23	C2H4Cl2O	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.l	11610	9	C3H6Cl2O	128



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJA

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAVB02

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/27/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	4.2	J
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.1	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VBLKJA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJA

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAVB02

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/27/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	1.2	J
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.21	J

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VBLKJA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VBLKJA

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAVB02

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/27/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

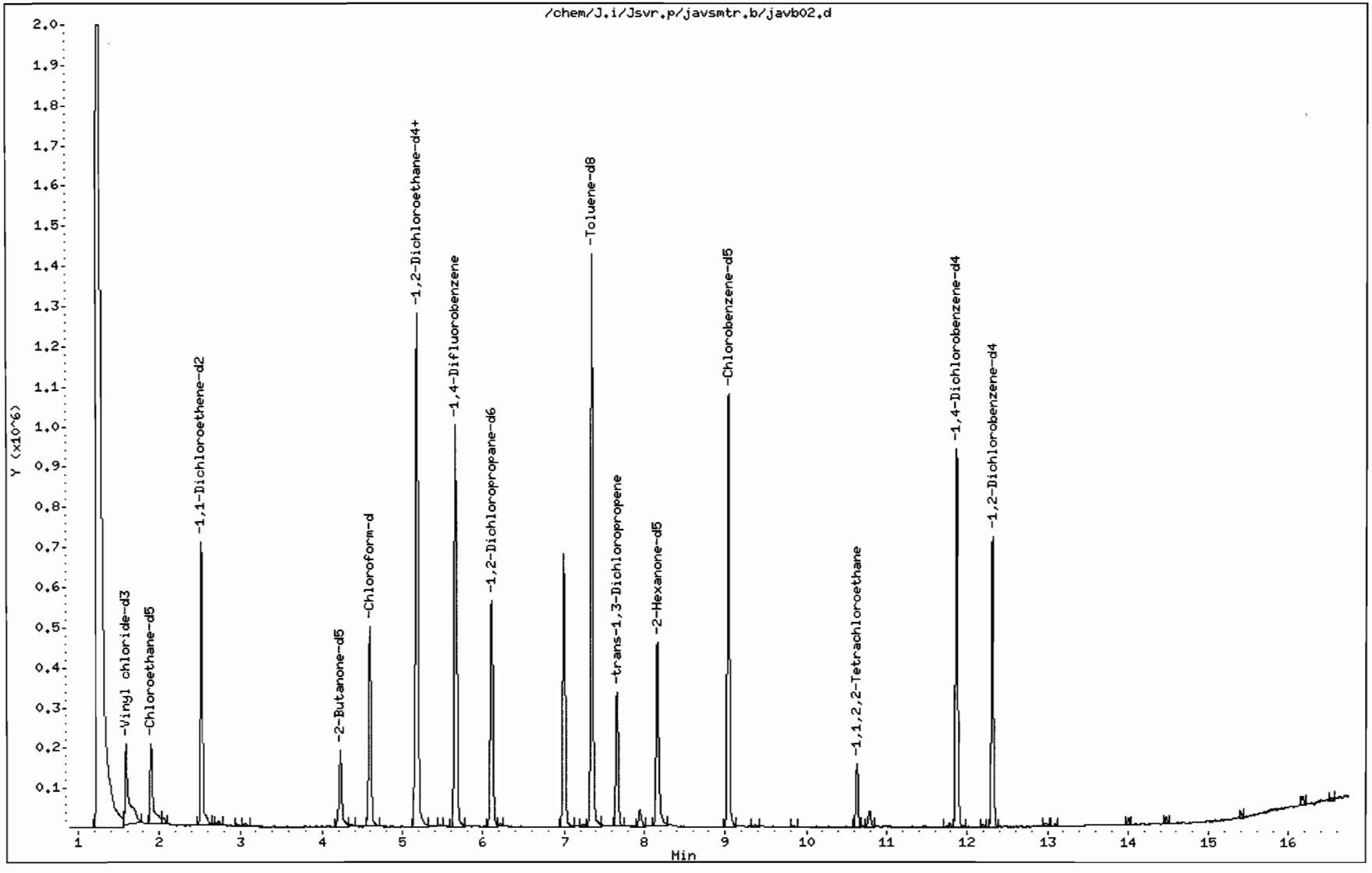
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.2	JX
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/javsmtr.b/javb02.d
Date : 27-MAY-2010 11:06
Client ID: VBLKJA
Sample Info: JAVB02
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/javb02.d
Lab Smp Id: VBLKJA Client Smp ID: VBLKJA
Inj Date : 27-MAY-2010 11:06
Operator : JH2 Inst ID: J.i
Smp Info : JAVB02
Misc Info : VBLKJA,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:58 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 10:10 Cal File: jav020v.d
Als bottle: 2 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	403873	5.00412	5.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	308011	5.04636	5.0
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	503684	3.94706	3.9
	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	(0.458)	12706	4.16386	4.2(a)
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.221	4.221	(0.746)	271320	48.8571	49
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	4.288	4.288	(0.758)	6332	1.14966	1.1(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.592	4.592	(0.812)	489705	4.86229	4.9
	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	5.164	5.164	(0.913)	161062	5.11965	5.1
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1247539	4.85147	4.9
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	919868	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.107	6.107	(0.676)	325881	4.86835	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	7.342	7.342	(0.812)	1100985	4.87864	4.9
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	223664	4.81562	4.8
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	212652	49.1335	49
	47 2-Hexanone	43	8.218	8.218	(0.909)	10612	1.20833	1.2(a)
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	709357	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	101138	4.65799	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	11.868	11.868	(1.000)	292393	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	217389	4.91130	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	14.472	14.472	(1.219)	5064	0.21460	0.21(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/javb02.d
Lab Smp Id: VBLKJA Client Smp ID: VBLKJA
Inj Date : 27-MAY-2010 11:06
Operator : JH2 Inst ID: J.i
Smp Info : JAVB02
Misc Info : VBLKJA,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:58 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 10:10 Cal File: jav020v.d
Als bottle: 2 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 * X* Uf/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2103024	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1361442	3.23686631	3.2	0	0		32

Data File: /chem/J.i/Jsvr.p/javsmtr.b/javb02.d

Date : 27-MAY-2010 11:06

Client ID: VBLKJA

Instrument: J.i

Sample Info: JAVB02

Purge Volume: 25.0

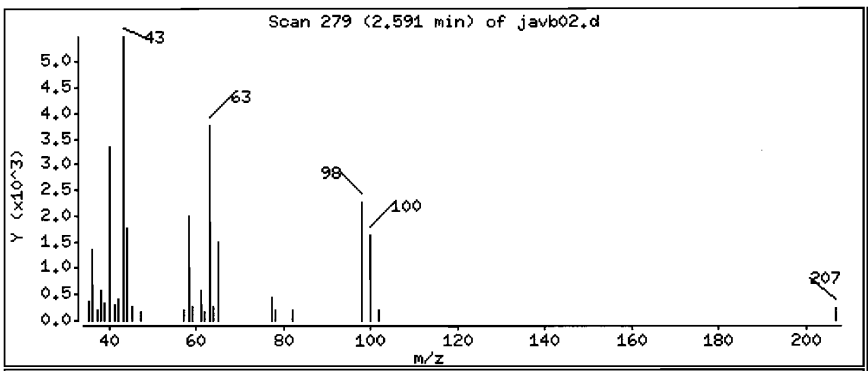
Operator: JH2

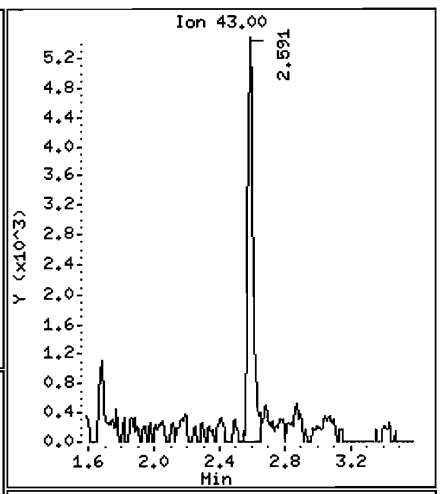
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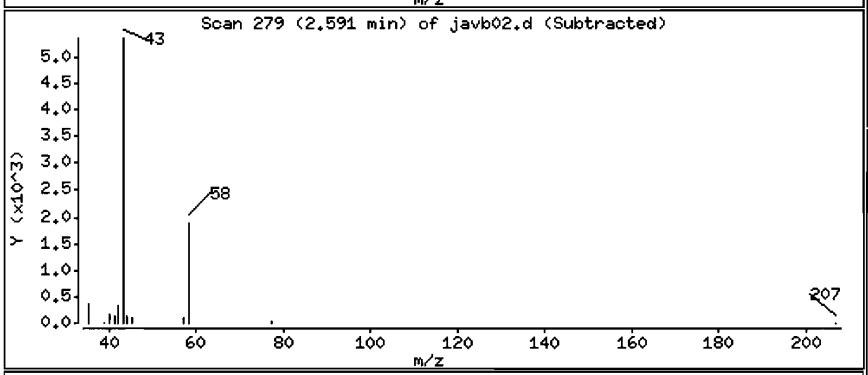
Column diameter: 0.53

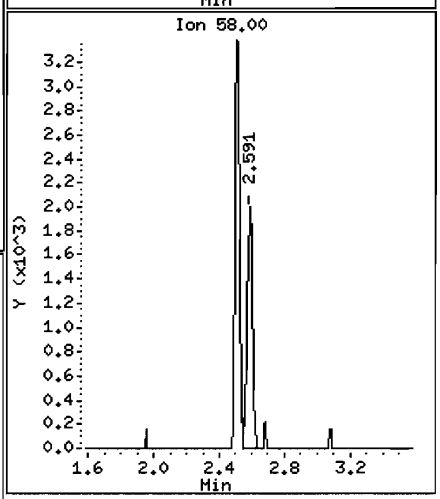
12 Acetone

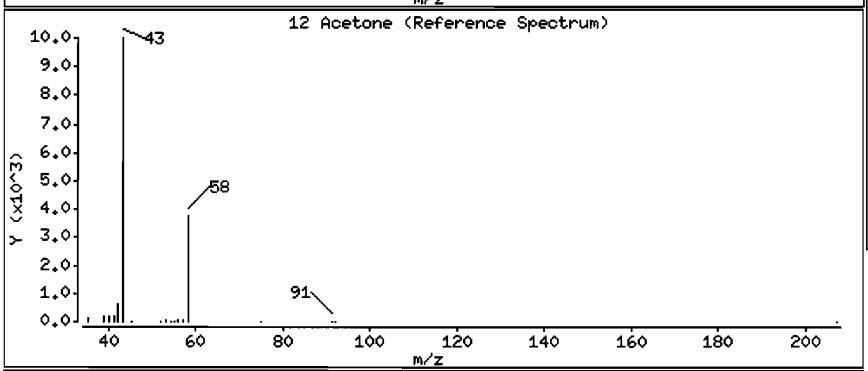
Concentration: 4.2 ug/L

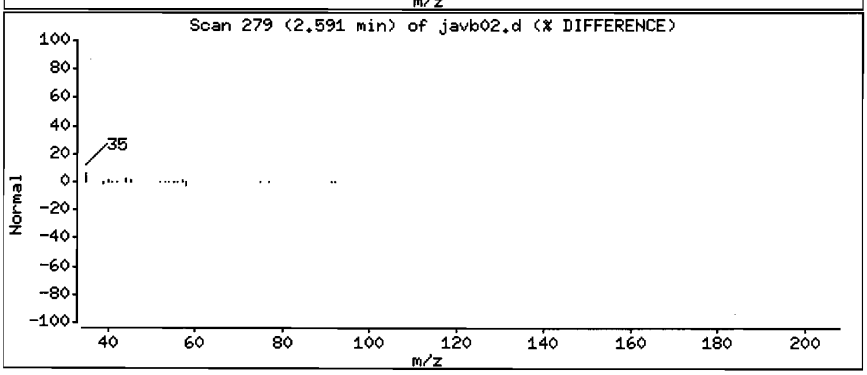












Data File: /chem/J.i/Jsvr.p/javsmtr.b/javb02.d

Date : 27-MAY-2010 11:06

Client ID: VBLKJA

Instrument: J.i

Sample Info: JAVB02

Purge Volume: 25.0

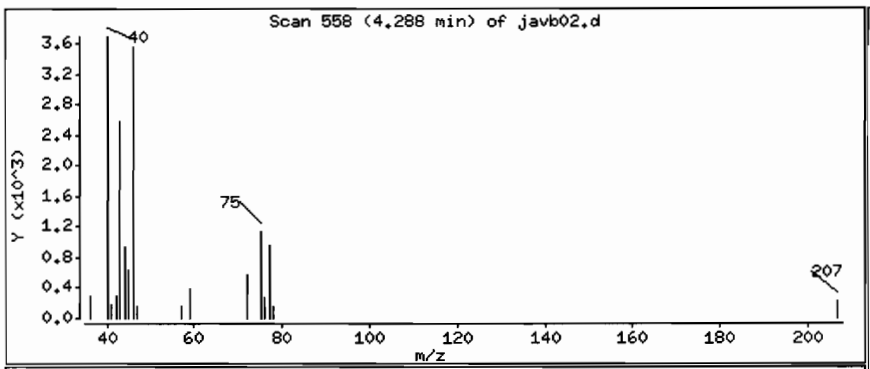
Operator: JH2

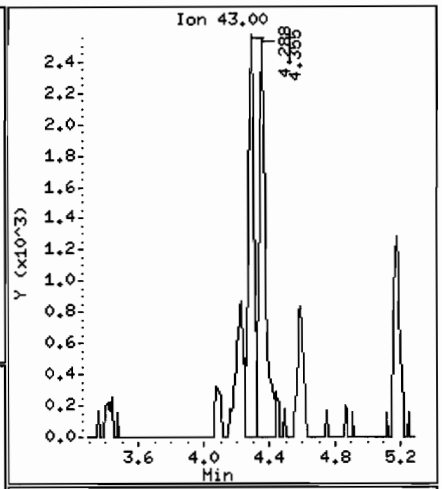
Column phase: DB-624

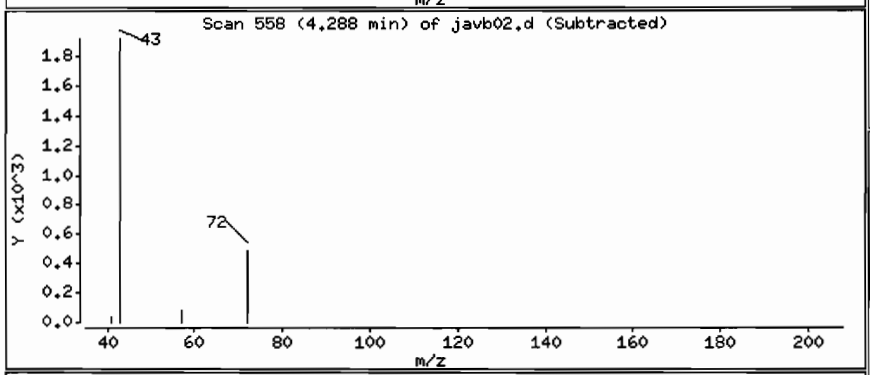
Column diameter: 0.53

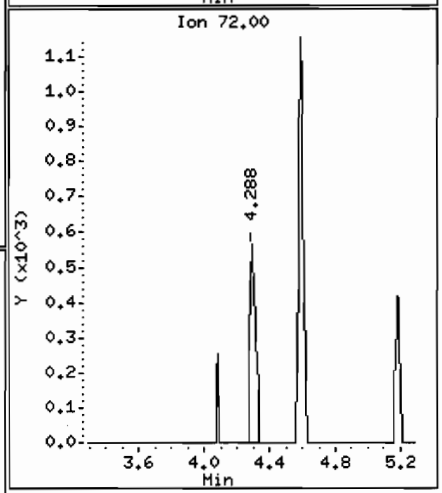
21 2-Butanone

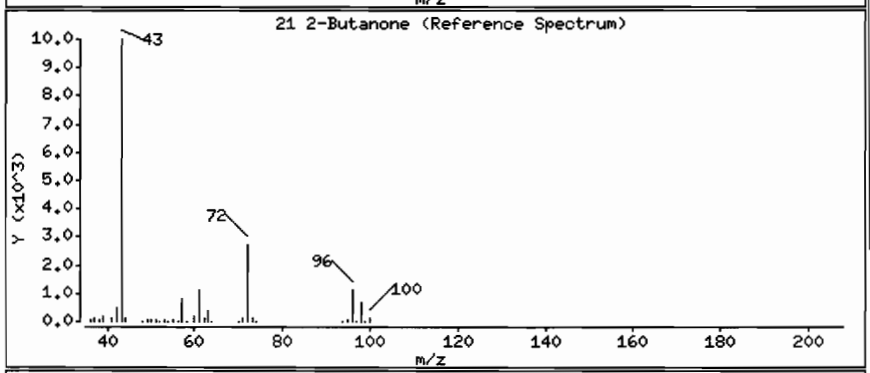
Concentration: 1.1 ug/L

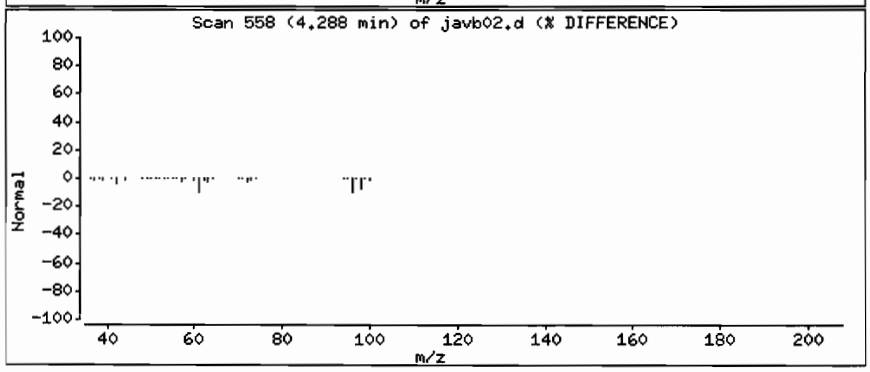












Data File: /chem/J.i/Jsvr.p/javsmtr.b/javb02.d

Date : 27-MAY-2010 11:06

Client ID: VBLKJA

Instrument: J.i

Sample Info: JAVB02

Purge Volume: 25.0

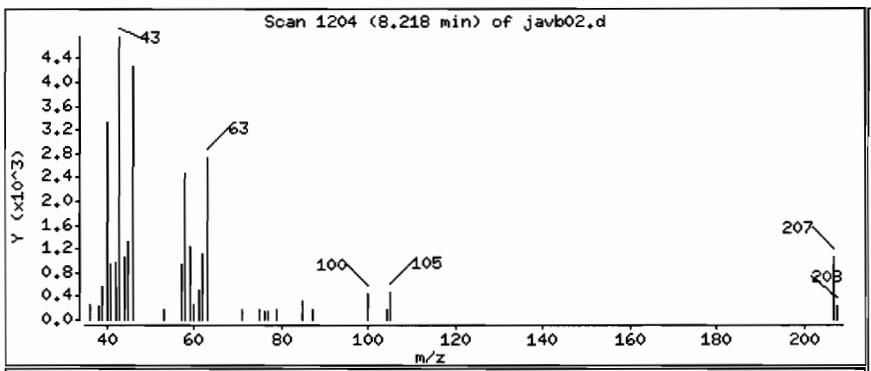
Operator: JH2

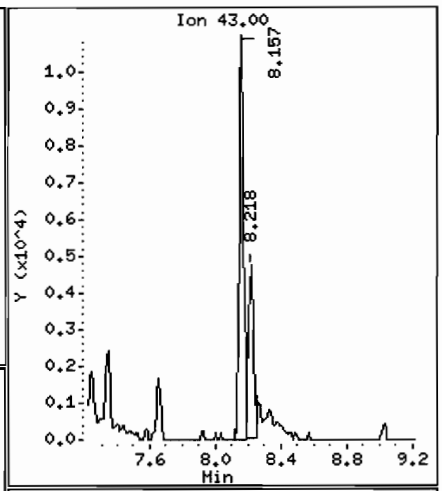
Column phase: DB-624

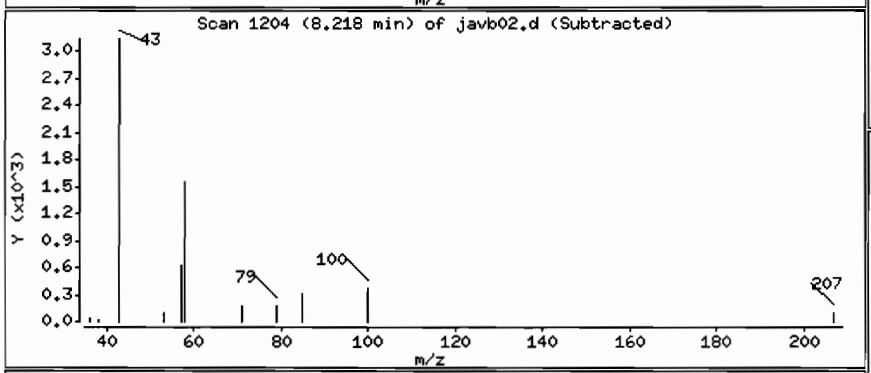
Column diameter: 0.53

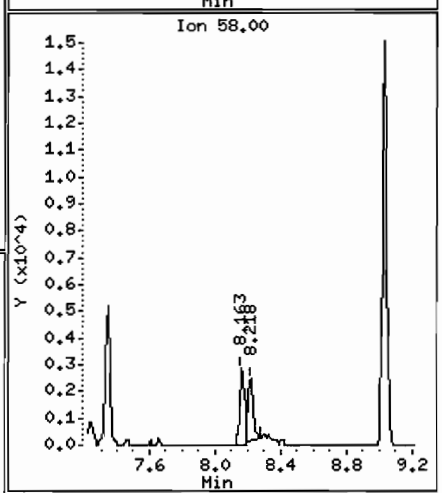
47 2-Hexanone

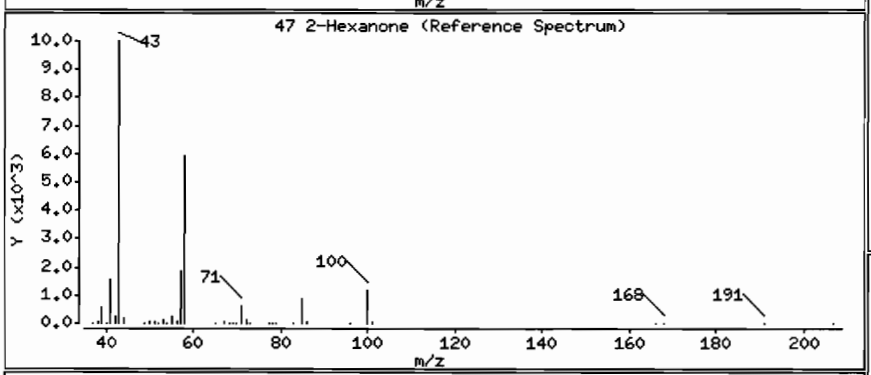
Concentration: 1.2 ug/L

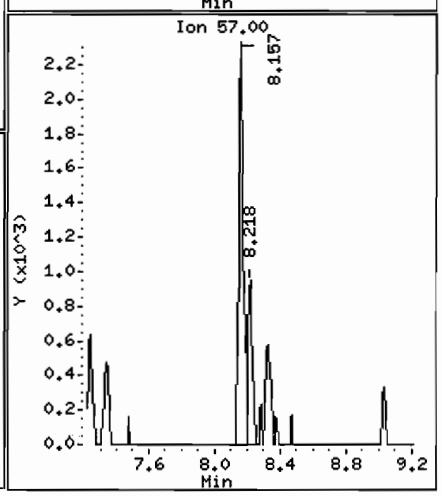


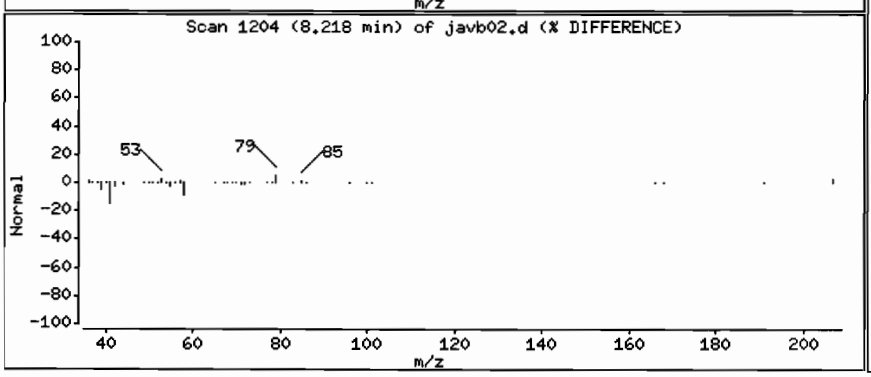












Data File: /chem/J.i/Jsvr.p/javsmtr.b/javb02.d

Date : 27-MAY-2010 11:06

Client ID: VBLKJA

Instrument: J.i

Sample Info: JAVB02

Purge Volume: 25.0

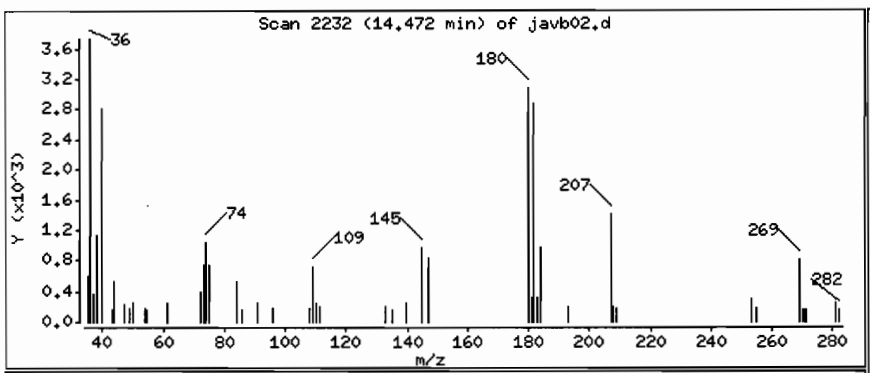
Operator: JH2

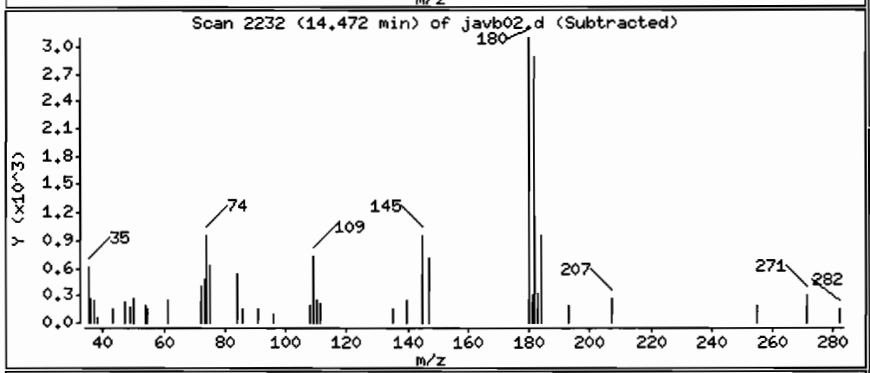
Column phase: DB-624

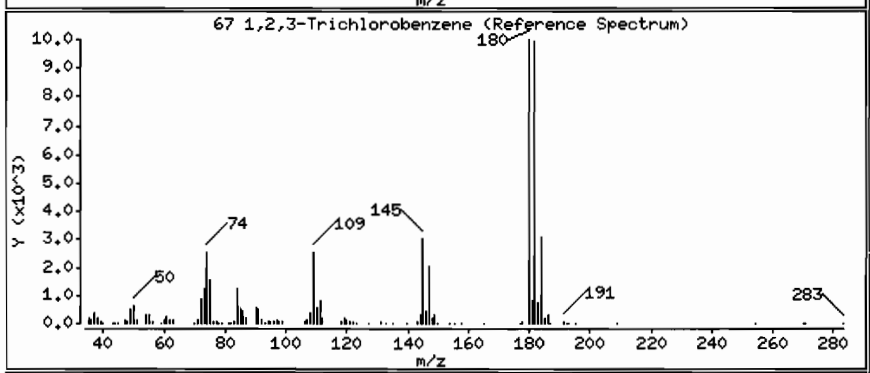
Column diameter: 0.53

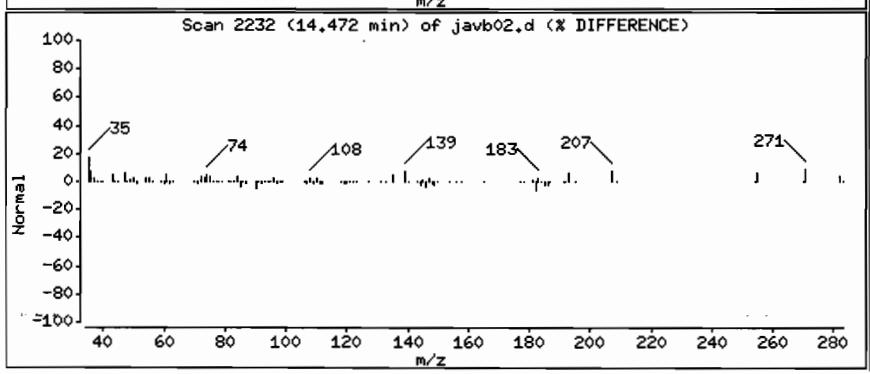
67 1,2,3-Trichlorobenzene

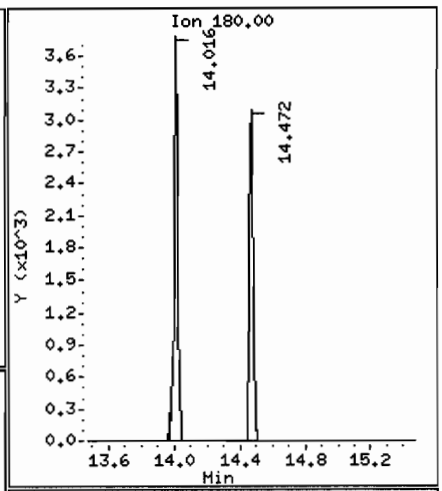
Concentration: 0.21 ug/L

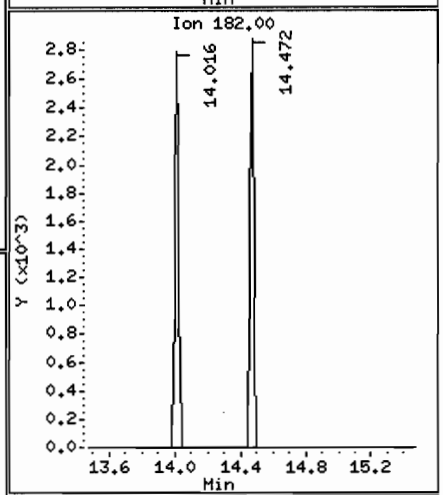


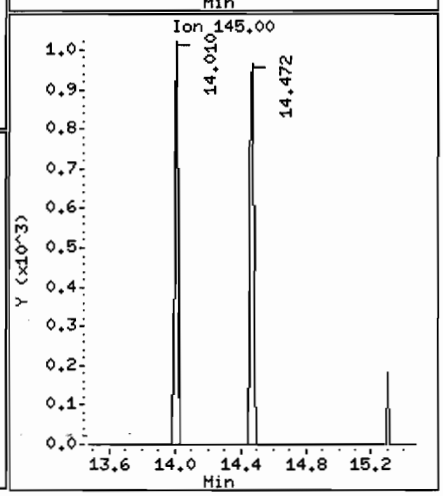












Data File: /chem/J.i/Jsvr.p/javsmtr.b/javb02.d

Date : 27-MAY-2010 11:06

Client ID: VBLKJA

Instrument: J.i

Sample Info: JAVB02

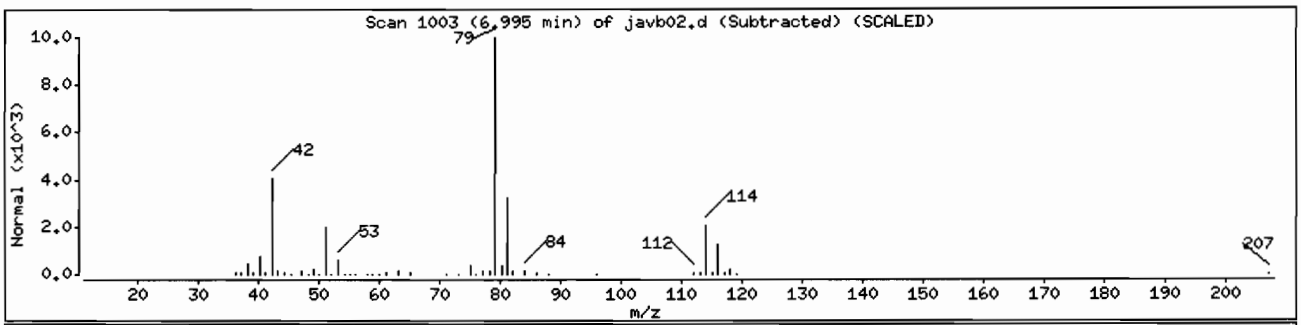
Purge Volume: 25.0

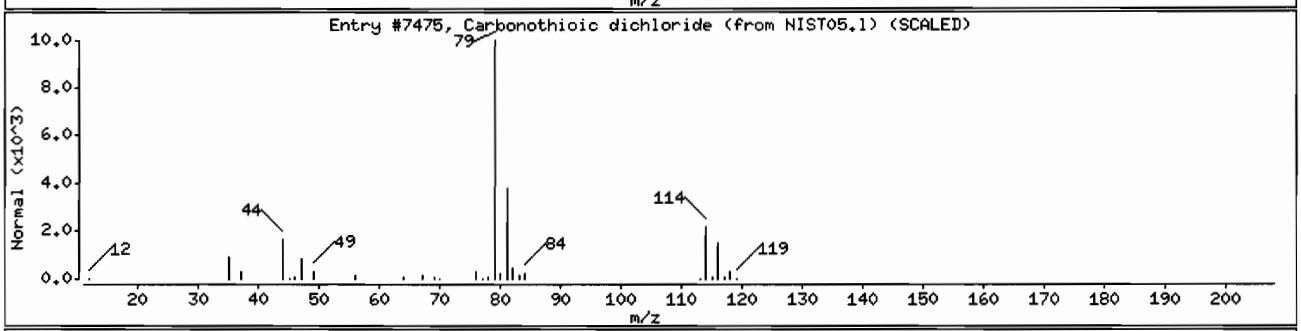
Operator: JH2

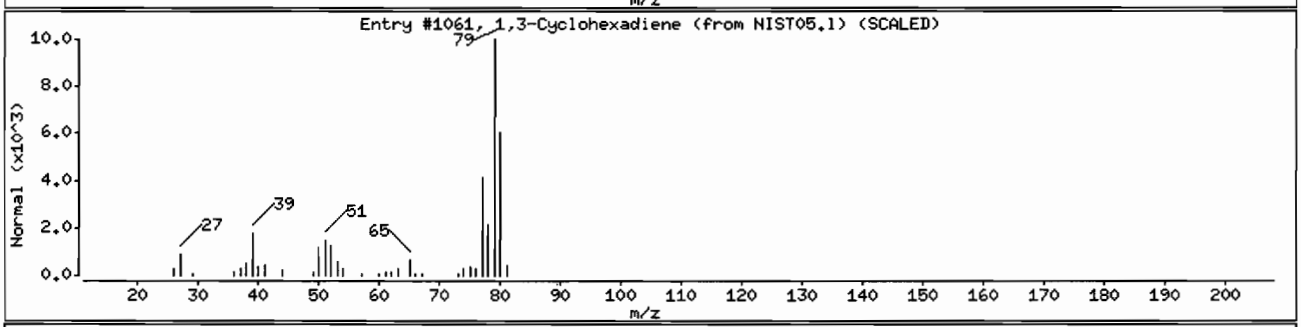
Column phase: DB-624

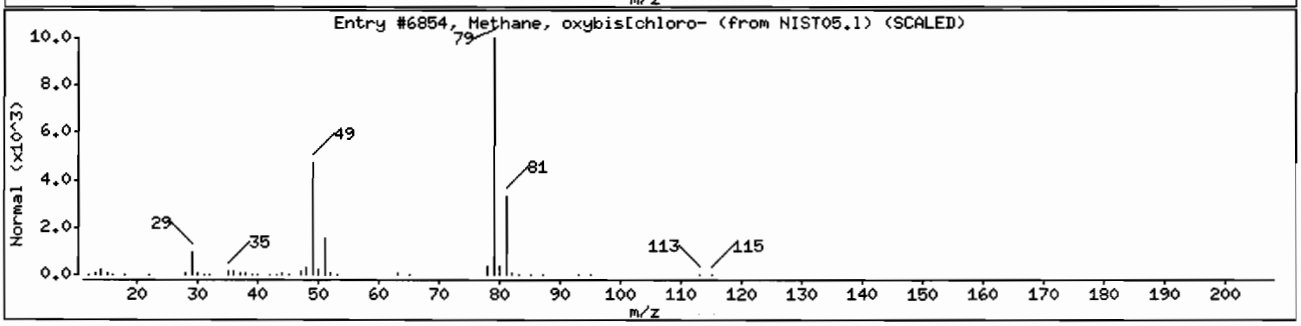
Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	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









1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830647

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830647

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/27/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.4	JB
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	0.62	JB
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830647

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830647

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/27/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.50	U
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VHBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: 830647

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: 830647

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/27/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

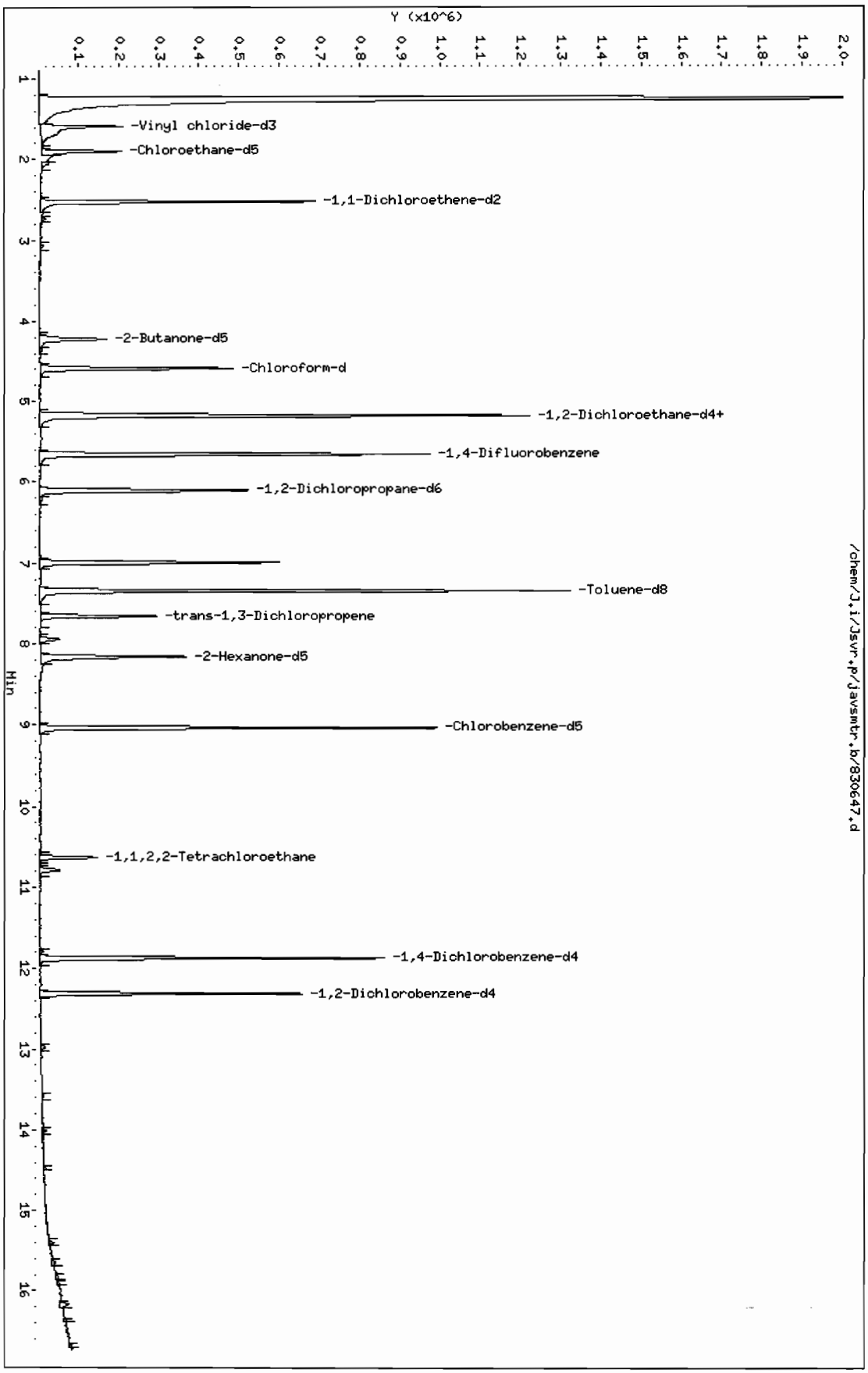
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	2.9	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2



Data File: /chem/J.i/Jsvr.p/javsmtr.b/830647.d
Date : 27-MAY-2010 11:58
Client ID: VHBLK01
Sample Info: VHBLK01 :[105/21/10 @1330(WATER)
Purge Volume: 25.0
Column phase: DB-624

Instrument: J.i
Operator: JH2
Column diameter: 0.53

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/830647.d
Lab Smp Id: 830647 Client Smp ID: VHBLK01
Inj Date : 27-MAY-2010 11:58
Operator : JH2 Inst ID: J.i
Smp Info : VHBLK01 :[ ]05/21/10 @1330(WATER)
Misc Info : 830647,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:58 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 10:10 Cal File: jav020v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	396513	5.03336	5.0
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	300397	5.04226	5.0
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	484877	3.89283	3.9
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	(0.458)	7192	2.41465	2.4(a)
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	Compound Not Detected.					
	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	4.221	4.221	(0.746)	241625	44.5765	45
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	4.294	4.288	(0.759)	3347	0.62259	0.62(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.586	4.592	(0.811)	466197	4.74235	4.7
	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	5.164	5.164	(0.913)	145532	4.73940	4.7
$	29 Benzene-d6	84	5.176	5.182	(0.573)	1190715	5.04829	5.0
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	897858	5.00000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.101	6.107	(0.675)	293966	4.78781	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	7.342	7.342	(0.812)	1027564	4.96413	5.0
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	195778	4.59554	4.6
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	175610	44.2359	44
	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	9.039	9.039	(1.000)	650651	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	91783	4.60854	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	11.868	11.868	(1.000)	267098	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	196142	4.85094	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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/javsmtr.b/830647.d
Lab Smp Id: 830647 Client Smp ID: VHBLK01
Inj Date : 27-MAY-2010 11:58
Operator : JH2 Inst ID: J.i
Smp Info : VHBLK01 :[ ]05/21/10 @1330(WATER)
Misc Info : 830647,052710JA,1,5
Comment :
Method : /chem/J.i/Jsvr.p/javsmtr.b/somtr4.m
Meth Date : 28-May-2010 10:58 jd1 Quant Type: ISTD
Cal Date : 27-MAY-2010 10:10 Cal File: jav020v.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2039501	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1193519	2.92600728	2.9	0		0	32

Data File: /chem/J.i/Jsvr.p/javsmtr.b/830647.d

Date : 27-MAY-2010 11:58

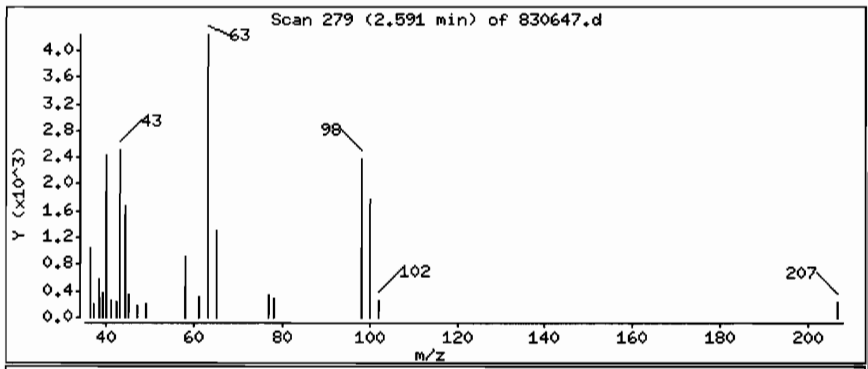
Client ID: VHBLK01 Instrument: J.i

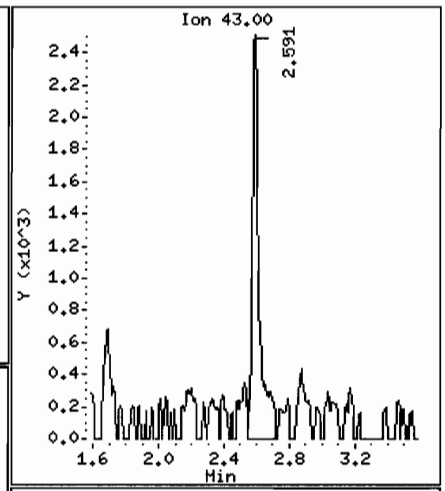
Sample Info: VHBLK01 :[ ]05/21/10 @1330(WATER)

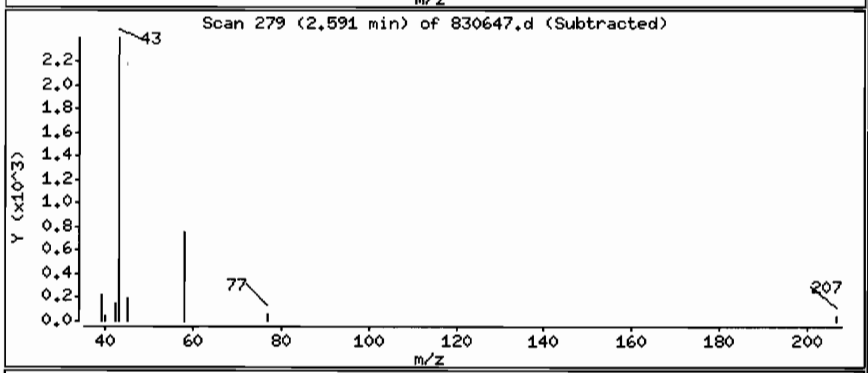
Purge Volume: 25.0 Operator: JH2

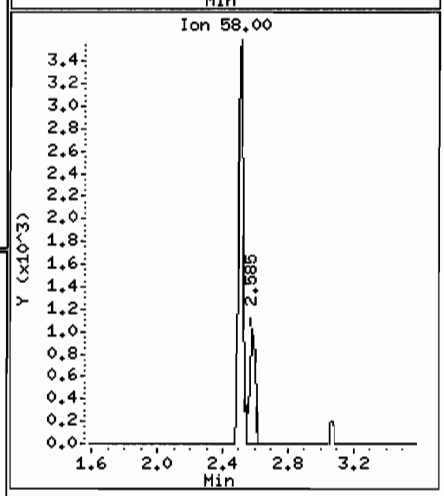
Column phase: DB-624 Column diameter: 0.53

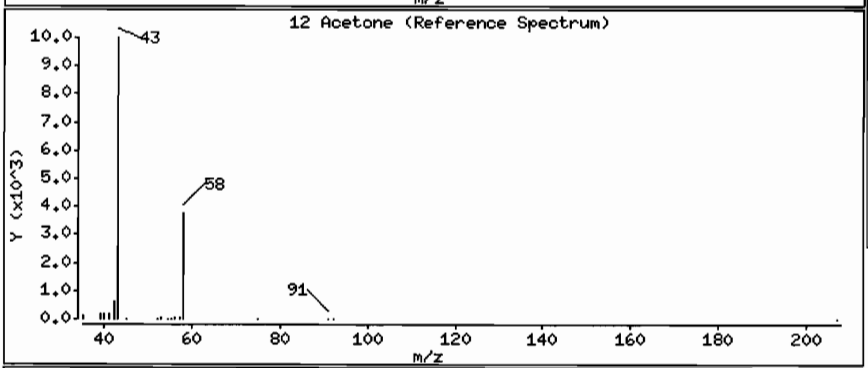
12 Acetone Concentration: 2.4 ug/L

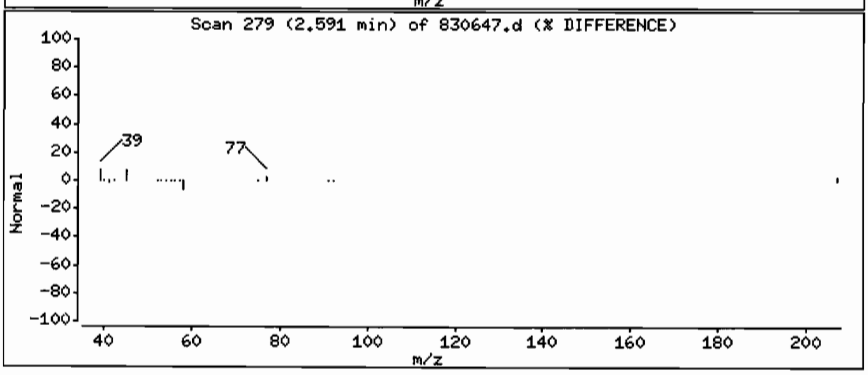












Data File: /chem/J.i/Jsvr.p/javsmtr.b/830647.d

Date : 27-MAY-2010 11:58

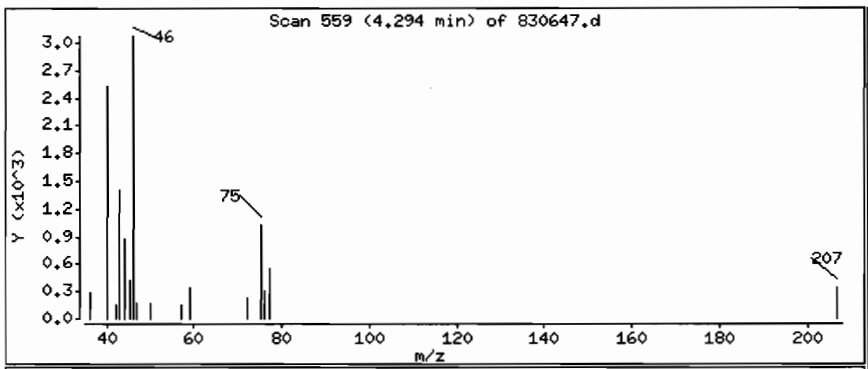
Client ID: VHBLK01 Instrument: J.i

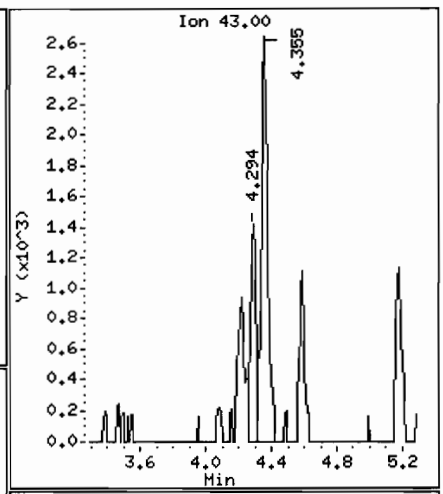
Sample Info: VHBLK01 :[J05/21/10 @1330(WATER)

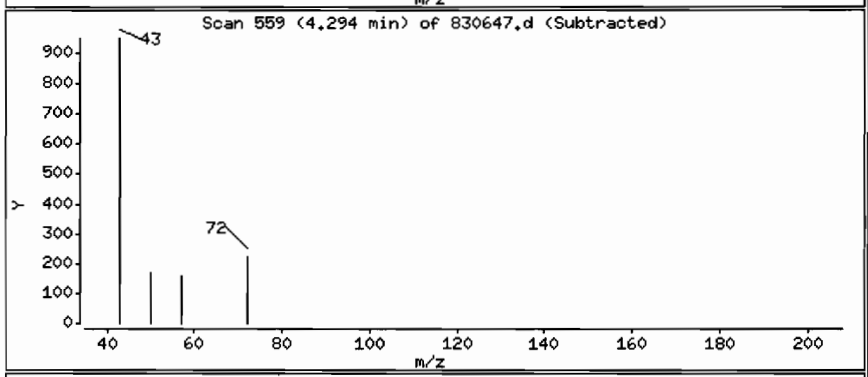
Purge Volume: 25.0 Operator: JH2

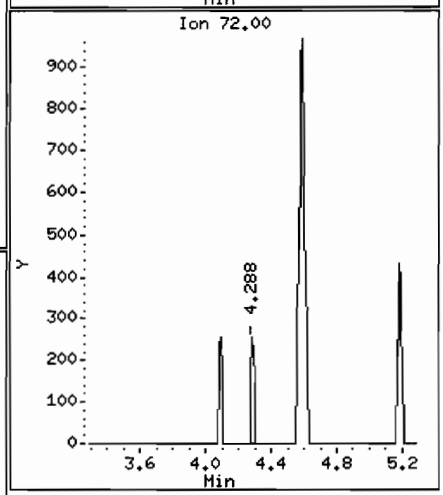
Column phase: DB-624 Column diameter: 0.53

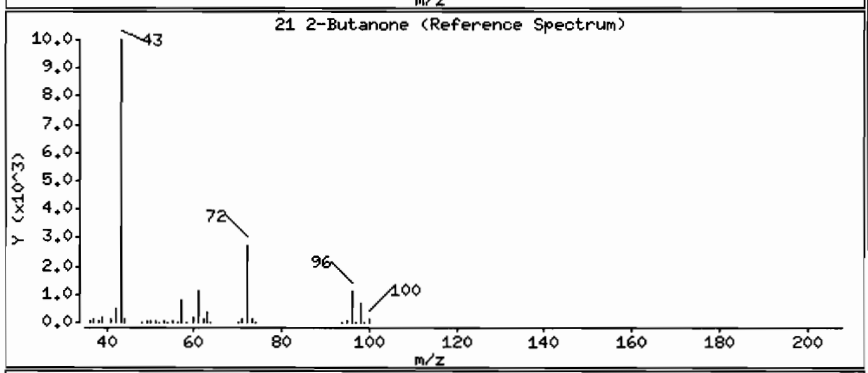
21 2-Butanone Concentration: 0.62 ug/L

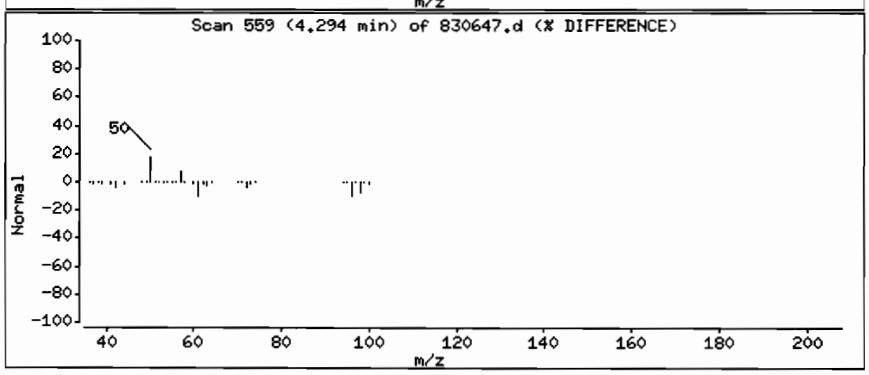












Data File: /chem/J.i/Jsvr.p/javsmtr.b/830647.d

Date : 27-MAY-2010 11:58

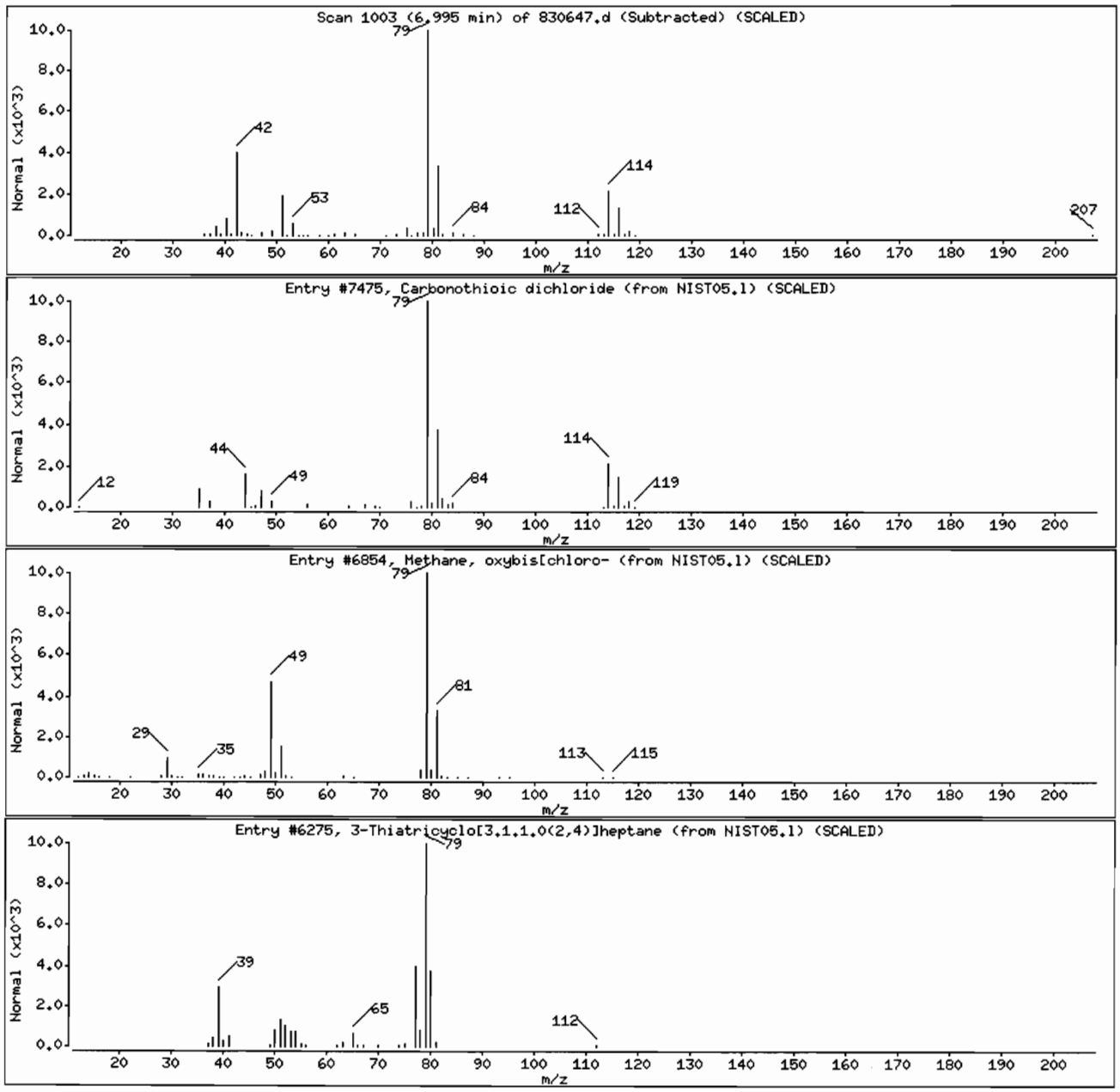
Client ID: VHBLK01 Instrument: J.i

Sample Info: VHBLK01 :[J05/21/10 @1330(WATER)

Purge Volume: 25.0 Operator: JH2

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	25	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	25	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJX

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJX

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB03A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	2.6	JB
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.060	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJX

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJX

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB03A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.31	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	0.33	JB
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VIBLKJX

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJX

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB03A

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.2	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub03a.d

Date : 25-MAY-2010 21:11

Client ID: VIBLKJX

Instrument: J.i

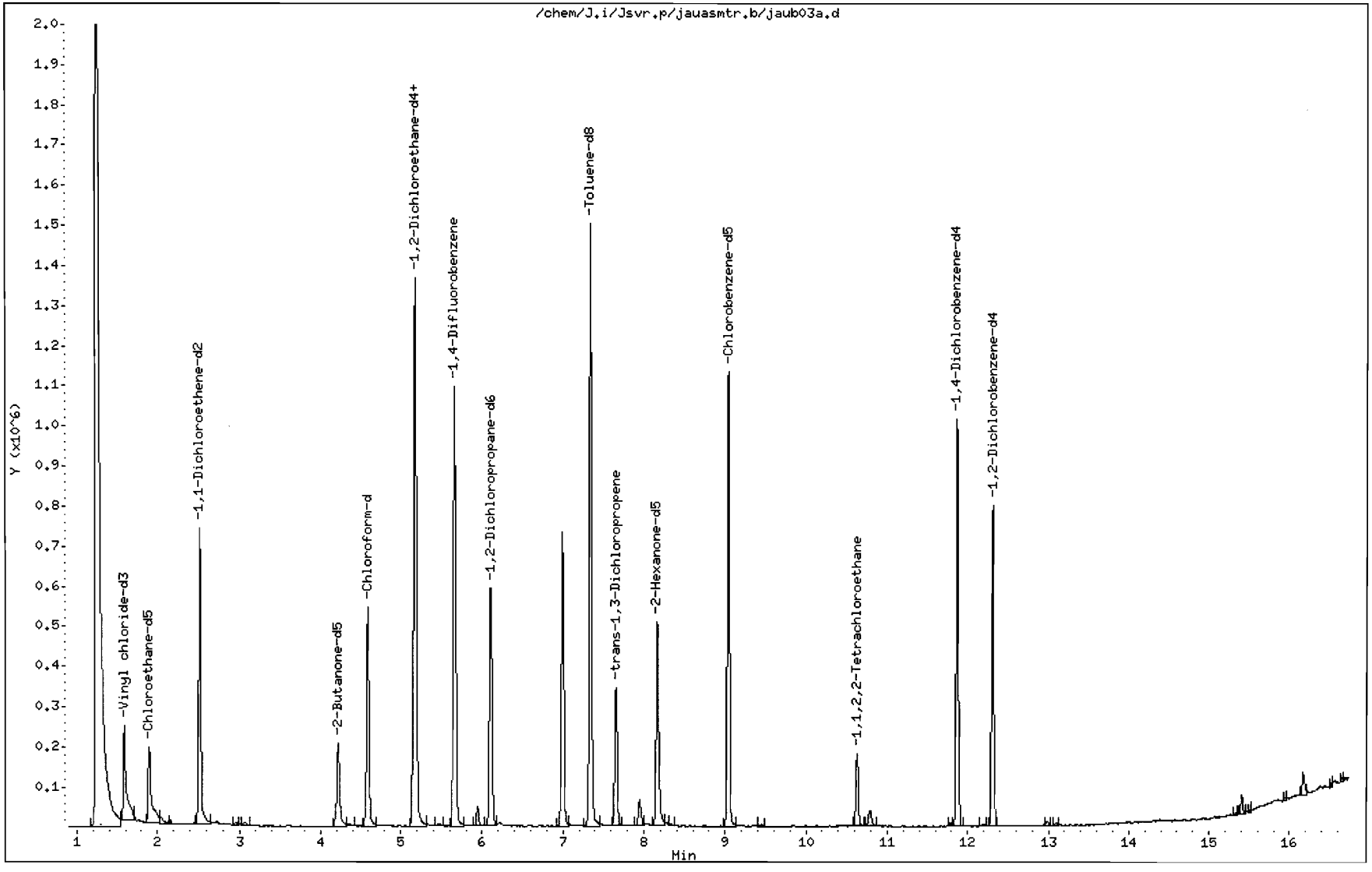
Sample Info: JAUB03A

Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/jaub03a.d
Lab Smp Id: VIBLKJX Client Smp ID: VIBLKJX
Inj Date : 25-MAY-2010 21:11
Operator : JP1 Inst ID: J.i
Smp Info : JAUB03A
Misc Info : VIBLKJX,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	429278	5.32067	5.3
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	322479	5.36893	5.4
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	522037	4.05355	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	2.585	2.584	(0.457)	6943	2.55035	2.6(a)
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	3410	0.06009	0.060(a)
	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	4.221	4.221	(0.746)	308415	62.2557	62
	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	4.586	4.592	(0.811)	531517	5.15973	5.2
	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	5.164	5.164	(0.913)	175018	5.35136	5.4
$	29 Benzene-d6	84	5.176	5.182	(0.573)	1341333	5.43588	5.4
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	993757	5.00000	
	33 Trichloroethene	95	5.943	5.943	(0.657)	19503	0.31038	0.31(a)
$	34 1,2-Dichloropropane-d6	67	6.101	6.101	(0.675)	351657	5.49590	5.5
	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	7.342	7.342	(0.812)	1167638	5.25399	5.3
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	233629	5.14413	5.1
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	229571	56.9576	57
	47 2-Hexanone	43	8.218	8.218	(0.909)	2776	0.33368	0.33(a)
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.039	9.039	(1.000)	741180	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	115680	5.69061	5.7
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.874	(1.000)	315678	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	245317	5.35520	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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/jaub03a.d
Lab Smp Id: VIBLKJX Client Smp ID: VIBLKJX
Inj Date : 25-MAY-2010 21:11
Operator : JP1 Inst ID: J.i
Smp Info : JAUB03A
Misc Info : VIBLKJX,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2279099	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1458247	3.19917381	3.2	0		0	32

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub03a.d

Date : 25-MAY-2010 21:11

Client ID: VIBLKJX

Instrument: J.i

Sample Info: JAUB03A

Purge Volume: 25.0

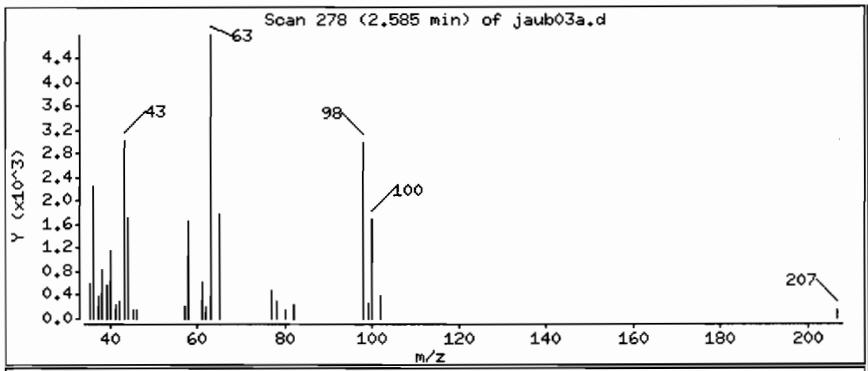
Operator: JP1

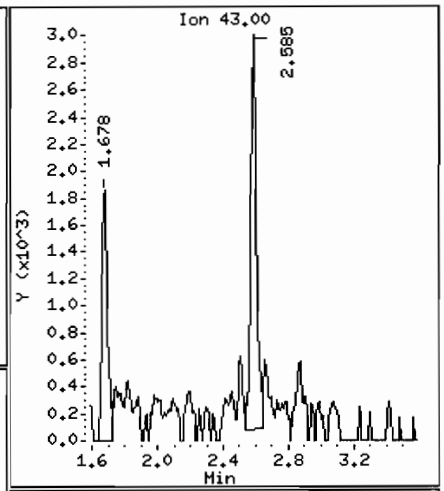
Column phase: DB-624

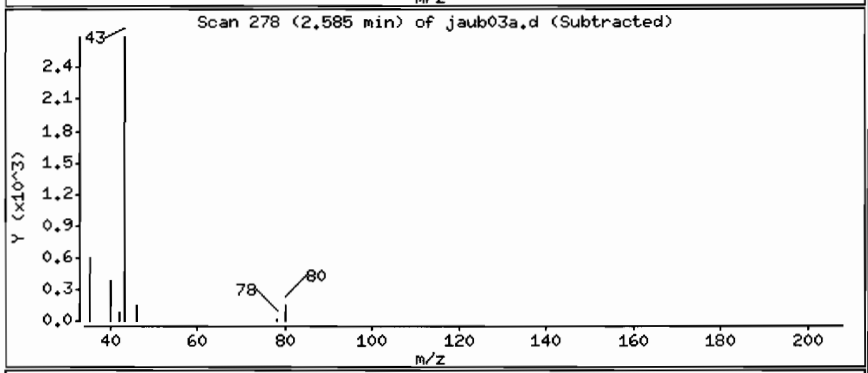
Column diameter: 0.53

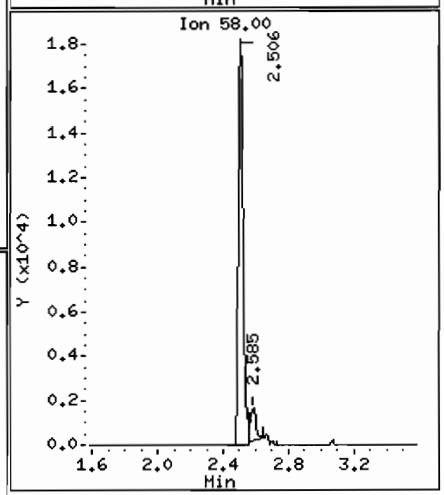
12 Acetone

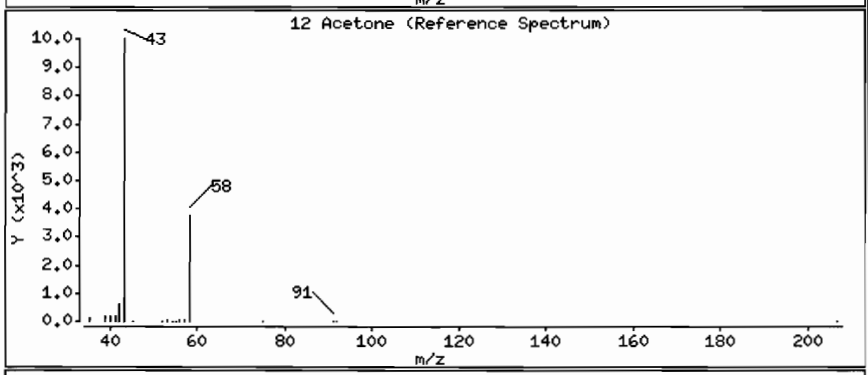
Concentration: 2.6 ug/L

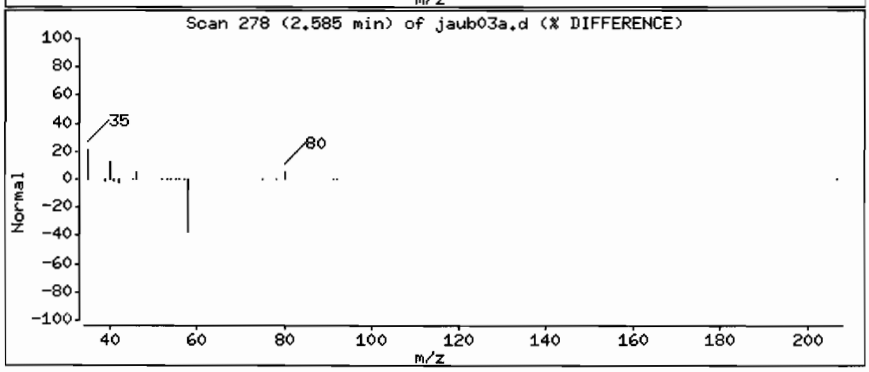












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub03a.d

Date : 25-MAY-2010 21:11

Client ID: VIBLKJX

Instrument: J.i

Sample Info: JAUB03A

Purge Volume: 25.0

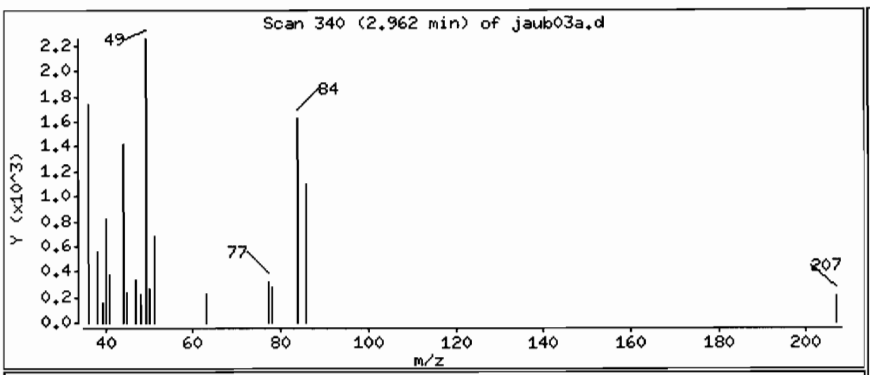
Operator: JP1

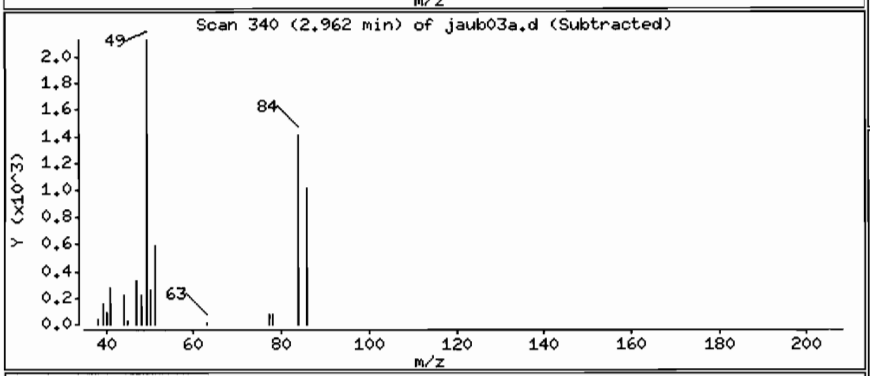
Column phase: DB-624

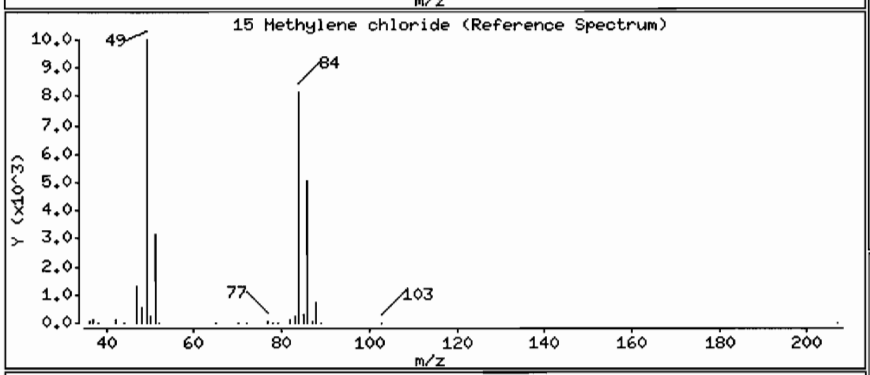
Column diameter: 0.53

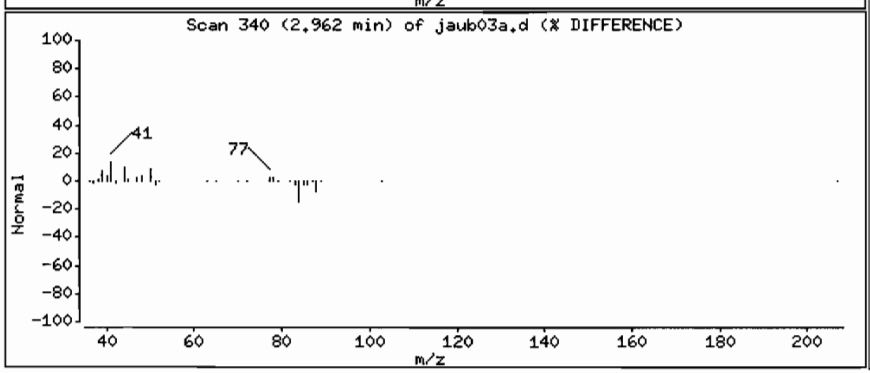
15 Methylene chloride

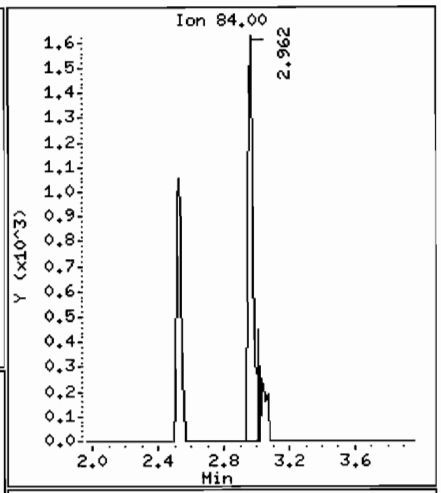
Concentration: 0.060 ug/L

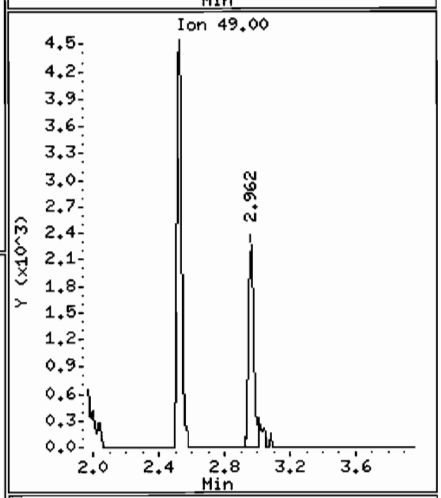


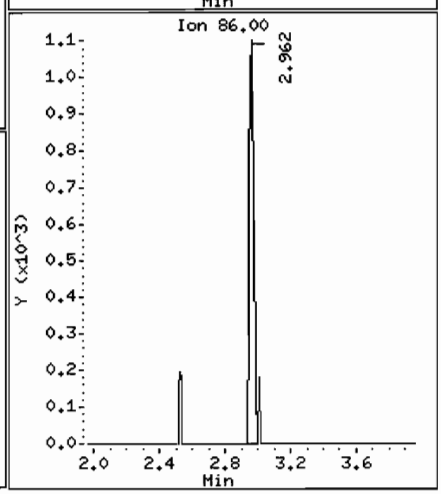












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub03a.d

Date : 25-MAY-2010 21:11

Client ID: VIBLKJX

Instrument: J.i

Sample Info: JAUB03A

Purge Volume: 25.0

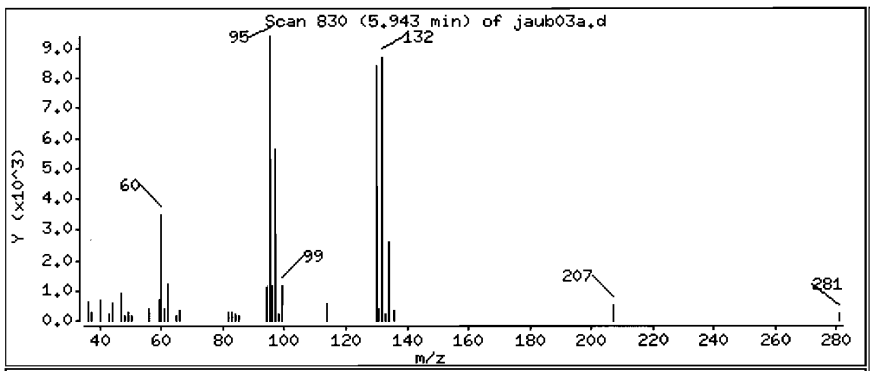
Operator: JP1

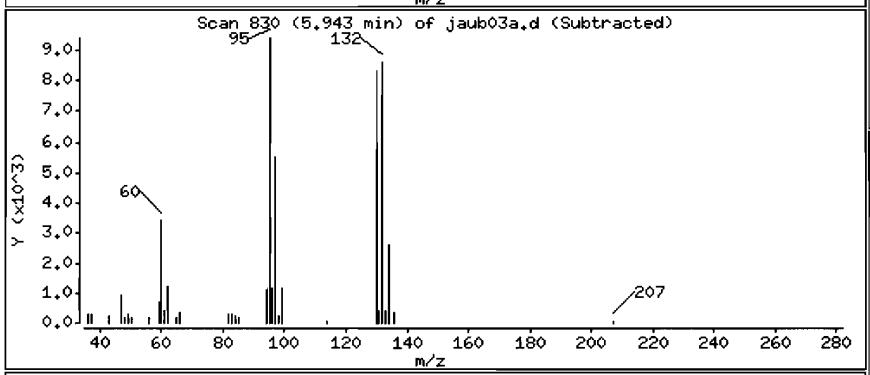
Column phase: DB-624

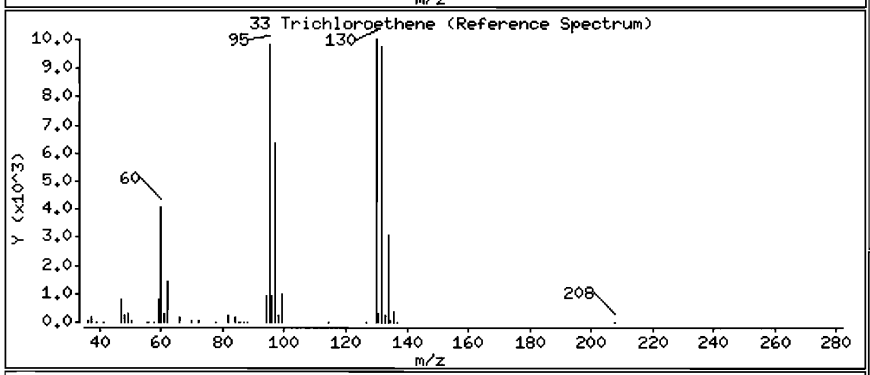
Column diameter: 0.53

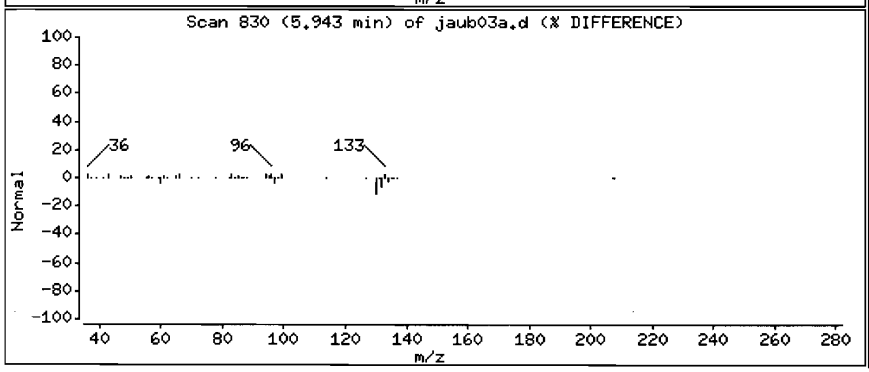
33 Trichloroethene

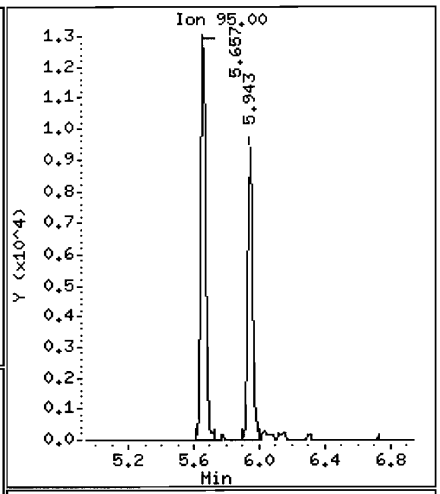
Concentration: 0.31 ug/L

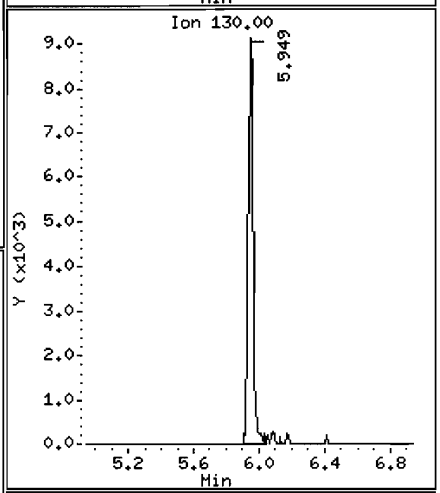


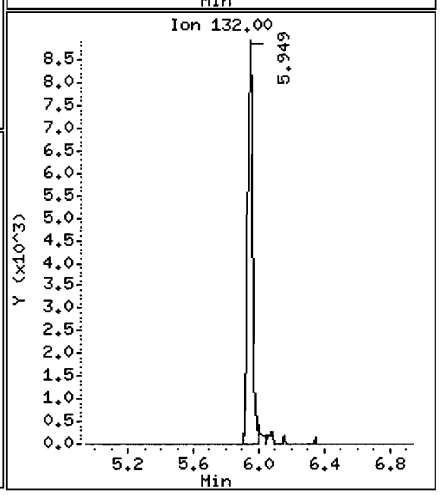












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub03a.d

Date : 25-MAY-2010 21:11

Client ID: VIBLKJX

Instrument: J.i

Sample Info: JAUB03A

Purge Volume: 25.0

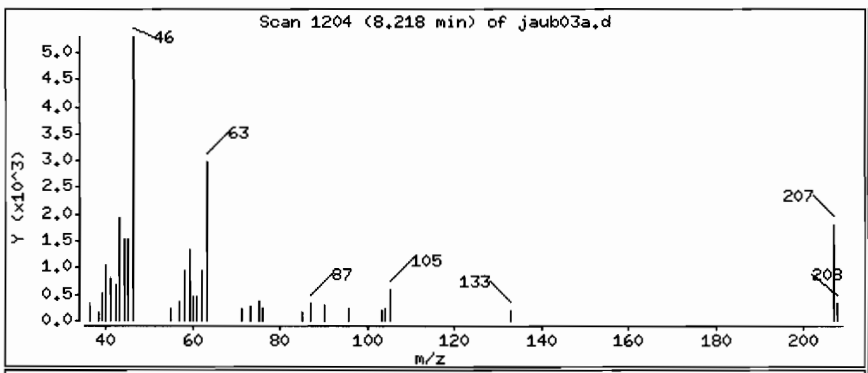
Operator: JP1

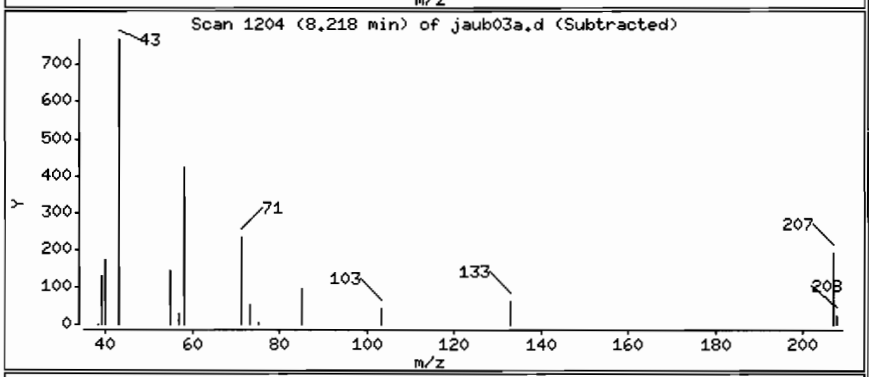
Column phase: DB-624

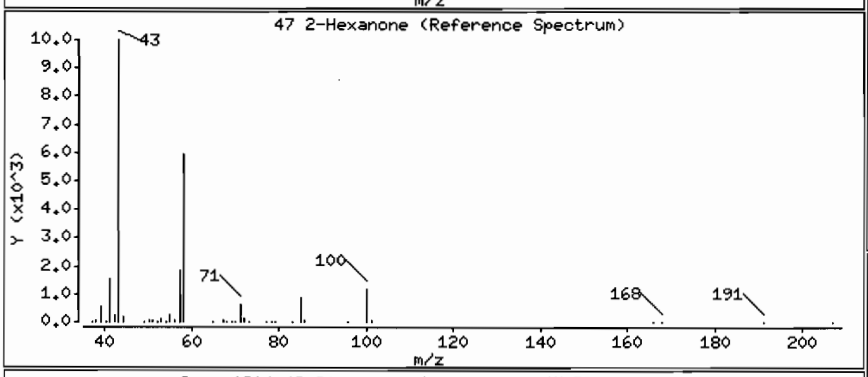
Column diameter: 0.53

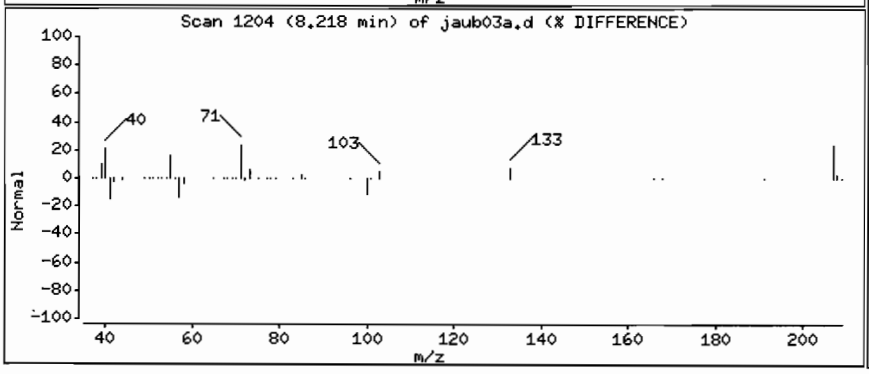
47 2-Hexanone

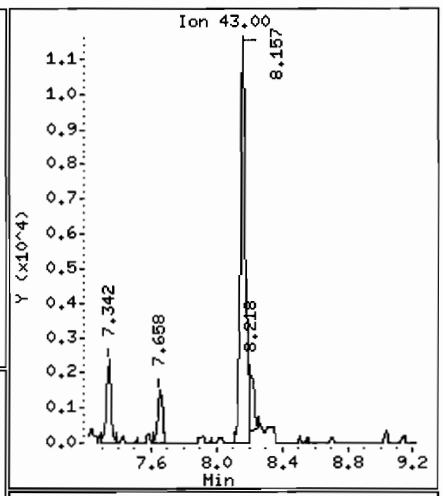
Concentration: 0.33 ug/L

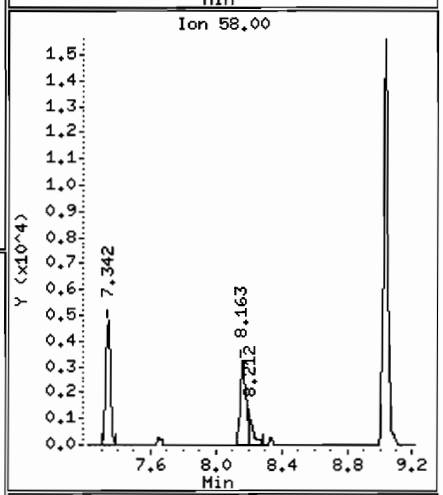


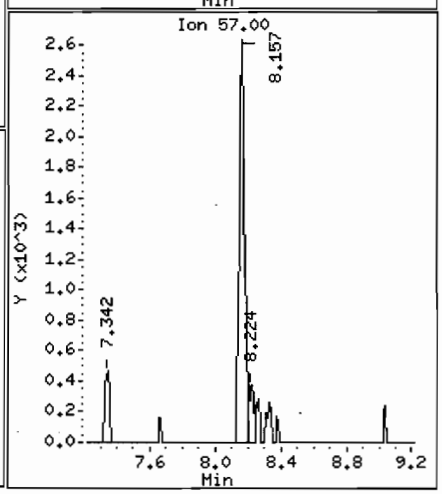












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub03a.d

Date : 25-MAY-2010 21:11

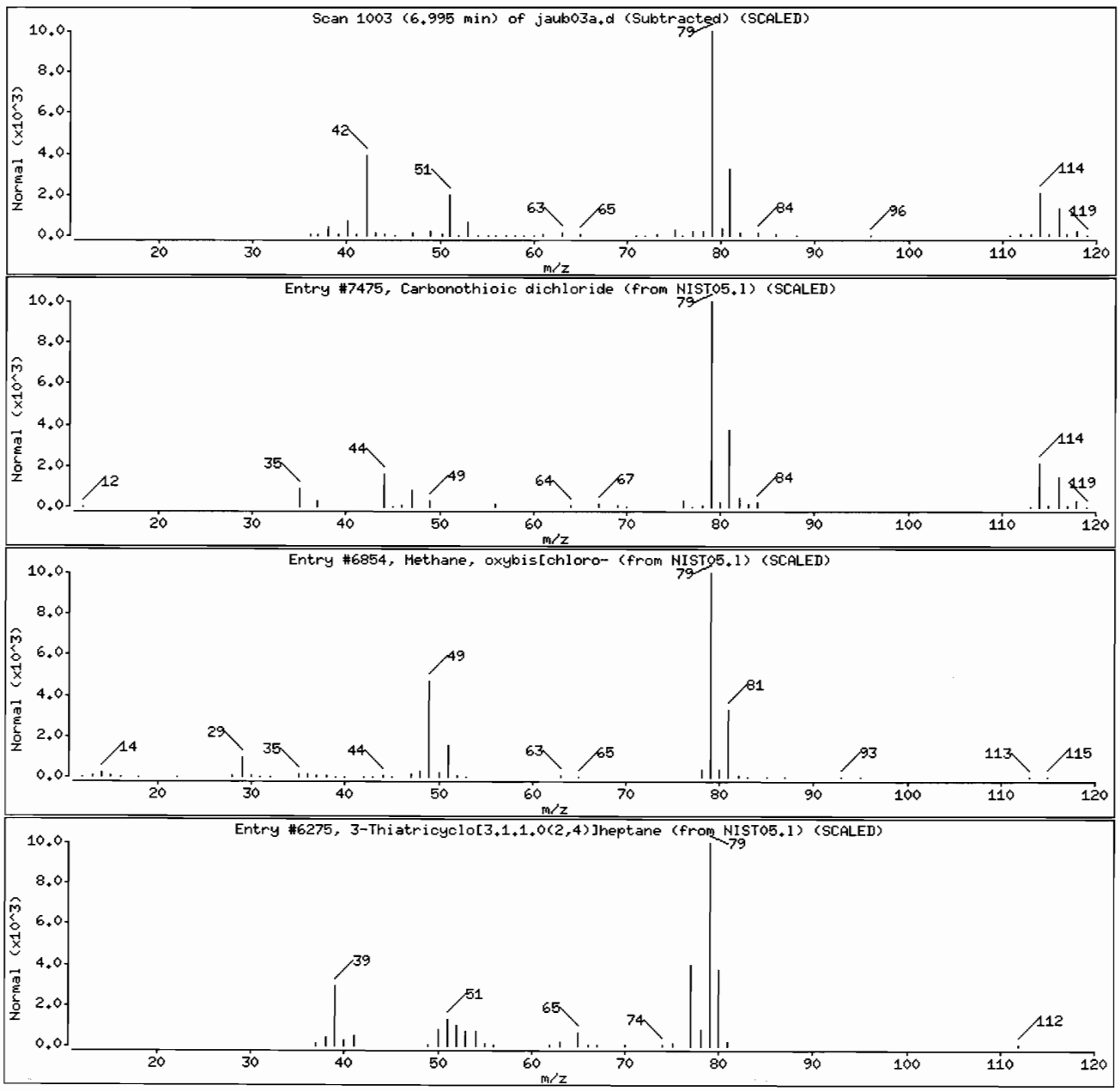
Client ID: VIBLKJX Instrument: J.i

Sample Info: JAUB03A

Purge Volume: 25.0 Operator: JP1

Column phase: DB-624 Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.1	6275	9	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJY

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB04A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	1.9	JB
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.10	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJY

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB04A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.17	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VIBLKJY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJY

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB04A

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:(ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.0	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub04a.d

Page 5

Date : 25-MAY-2010 22:07

Client ID: VIBLKJY

Instrument: J.i

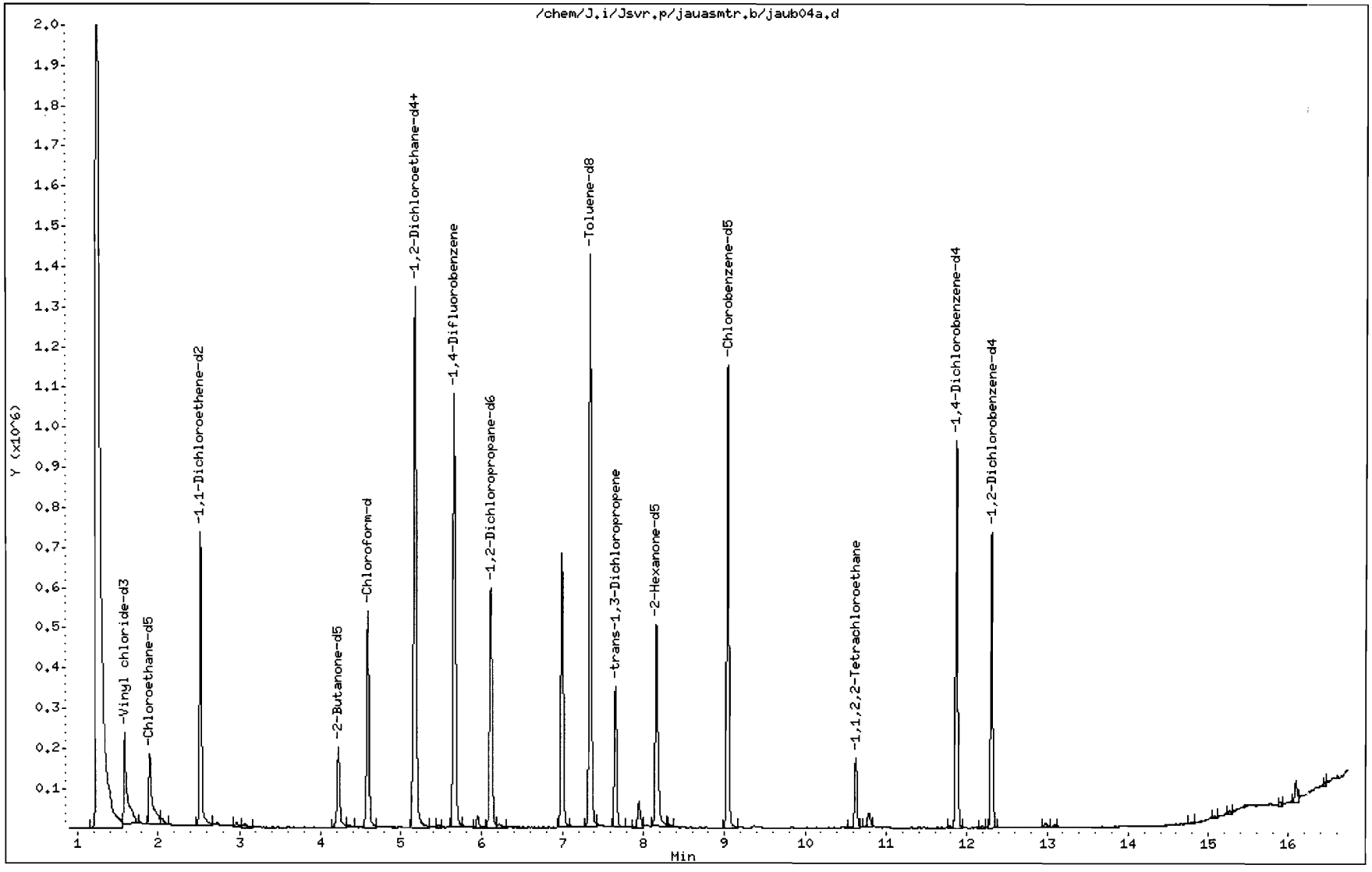
Sample Info: JAUB04A

Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/jaub04a.d
Lab Smp Id: VIBLKJY Client Smp ID: VIBLKJY
Inj Date : 25-MAY-2010 22:07
Operator : JP1 Inst ID: J.i
Smp Info : JAUB04A
Misc Info : VIBLKJY,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
1	Dichlorodifluoromethane	85	Compound Not Detected.					
2	Chloromethane	50	Compound Not Detected.					
$ 3	Vinyl chloride-d3	65	1.587	1.587	(0.281)	420311	5.14294	5.1
4	Vinyl chloride	62	Compound Not Detected.					
5	Bromomethane	94	Compound Not Detected.					
$ 6	Chloroethane-d5	69	1.897	1.897	(0.335)	321295	5.28084	5.3
7	Chloroethane	64	Compound Not Detected.					
8	Trichlorofluoromethane	101	Compound Not Detected.					
$ 9	1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	519152	3.97962	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	2.585	2.584	(0.457)	5221	1.89329	1.9(a)
13	Carbon disulfide	76	Compound Not Detected.					
14	Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
15	Methylene chloride	84	2.968	2.962	(0.525)	5725	0.09959	0.100(a)
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	4.221	4.221	(0.746)	303764	60.5330	61
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	4.586	4.592	(0.811)	528782	5.06756	5.1
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	5.164	5.164	(0.913)	174871	5.27852	5.3
$ 29	Benzene-d6	84	5.182	5.182	(0.573)	1337467	5.29297	5.3
30	Benzene	78	Compound Not Detected.					
31	1,2-Dichloroethane	62	Compound Not Detected.					
* 32	1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1006625	5.00000	
33	Trichloroethene	95	5.949	5.943	(0.658)	10854	0.16868	0.17(a)
$ 34	1,2-Dichloropropane-d6	67	6.107	6.101	(0.676)	338407	5.16466	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	7.342	7.342	(0.812)	1129678	4.96384	5.0
41	Toluene	91	Compound Not Detected.					
$ 42	trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	231538	4.97840	5.0
43	trans-1,3-Dichloropropene	75	Compound Not Detected.					
44	1,1,2-Trichloroethane	97	Compound Not Detected.					
45	Tetrachloroethene	164	Compound Not Detected.					
$ 46	2-Hexanone-d5	63	8.157	8.157	(0.902)	239160	57.9436	58
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	9.039	9.039	(1.000)	758999	5.00000	
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	Compound Not Detected.					
57	Isopropylbenzene	105	Compound Not Detected.					
$ 58	1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	109351	5.25298	5.3
59	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61	1,4-Dichlorobenzene-d4	152	11.868	11.874	(1.000)	306710	5.00000	
62	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	229217	5.15005	5.2(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/jauasmtr.b/jaub04a.d
Lab Smp Id: VIBLKJY Client Smp ID: VIBLKJY
Inj Date : 25-MAY-2010 22:07
Operator : JP1 Inst ID: J.i
Smp Info : JAUB04A
Misc Info : VIBLKJY,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2279401	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1385005	3.03809008	3.0	0	0		32

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub04a.d

Date : 25-MAY-2010 22:07

Client ID: VIBLKJY

Instrument: J.i

Sample Info: JAUB04A

Purge Volume: 25.0

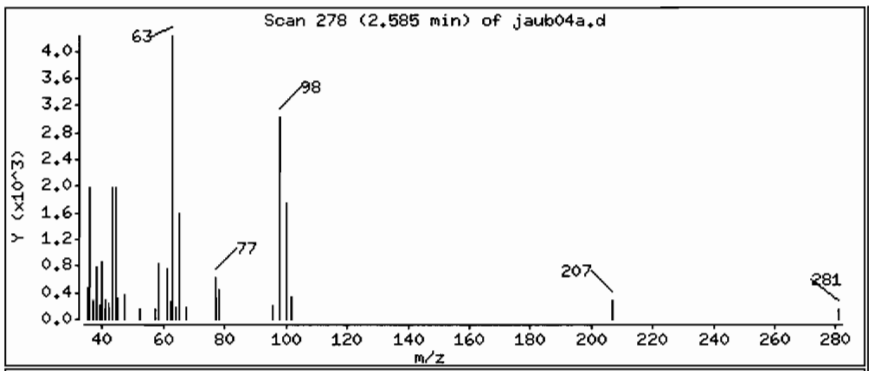
Operator: JP1

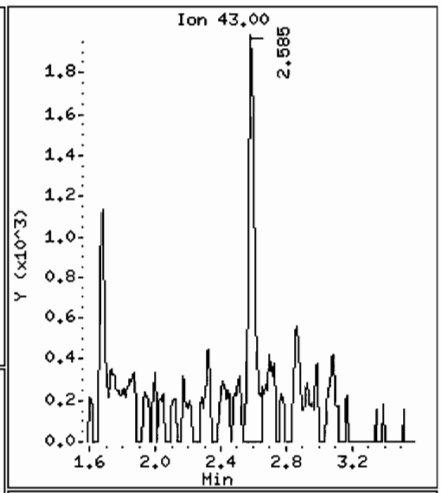
Column phase: DB-624

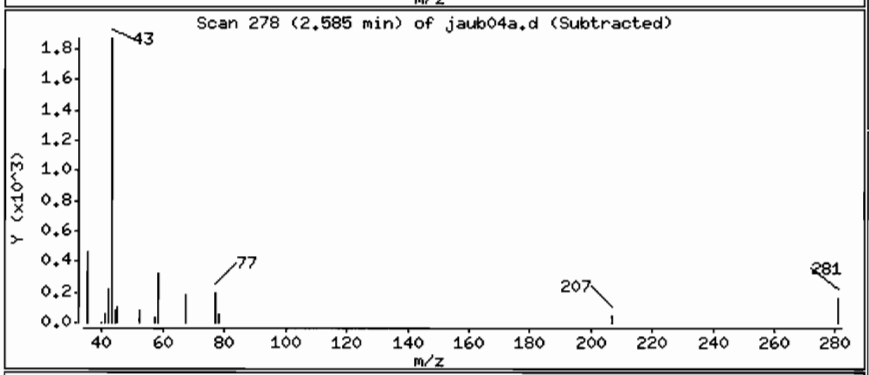
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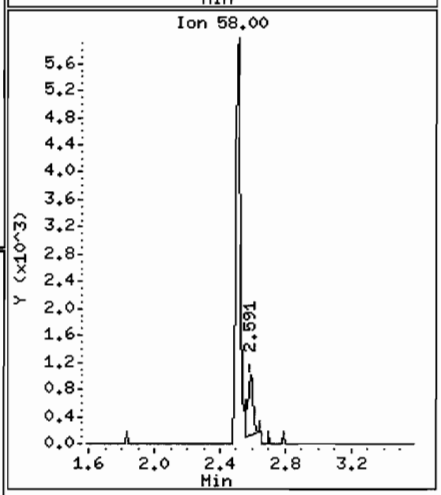
12 Acetone

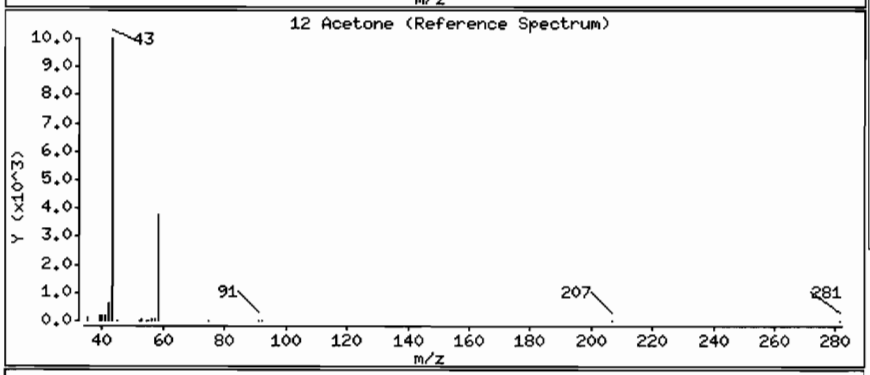
Concentration: 1.9 ug/L

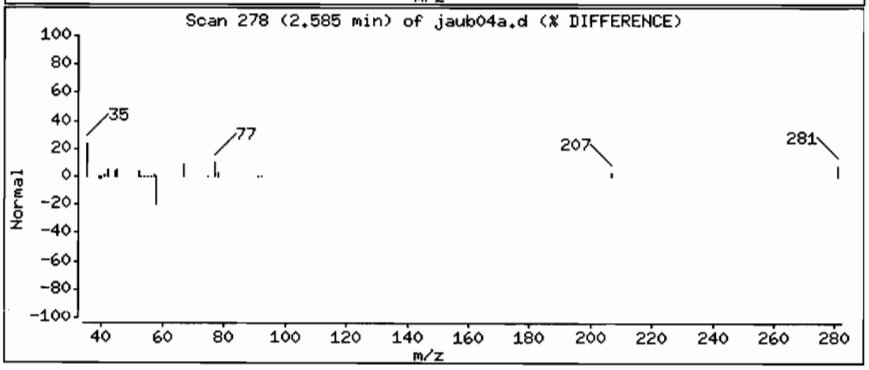












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub04a.d

Date : 25-MAY-2010 22:07

Client ID: VIBLKJY

Instrument: J.i

Sample Info: JAUB04A

Purge Volume: 25.0

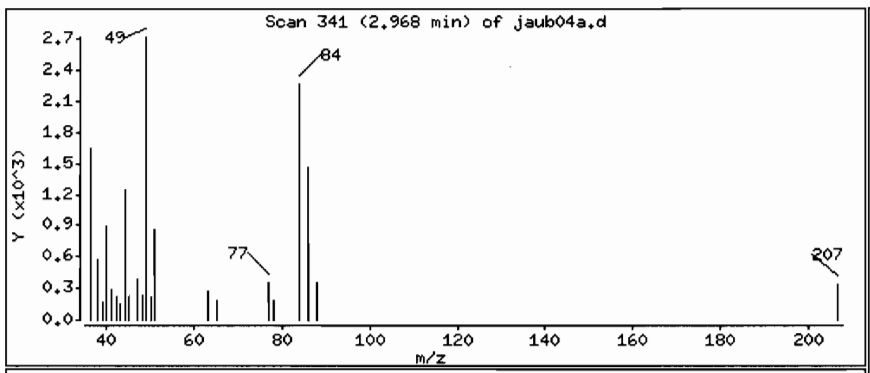
Operator: JP1

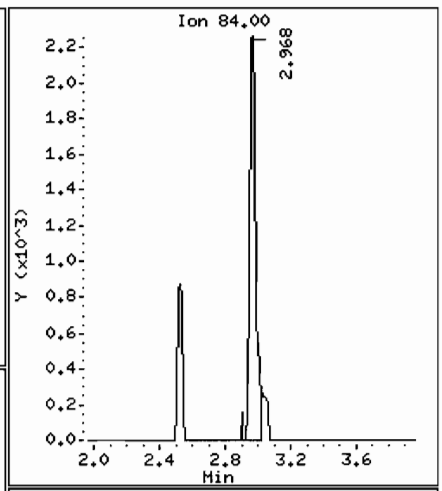
Column phase: DB-624

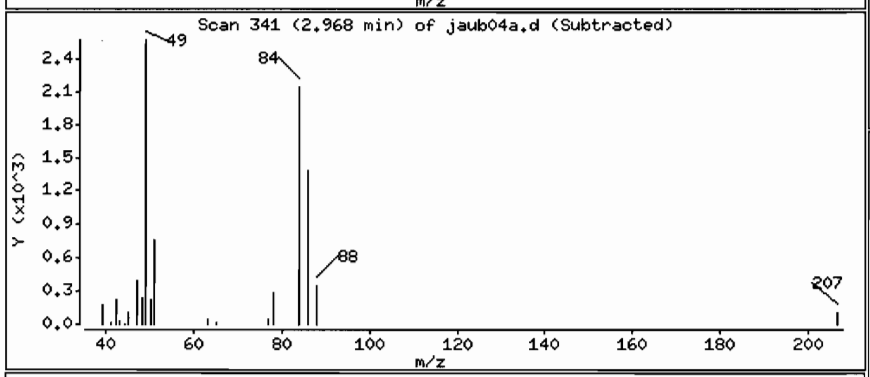
Column diameter: 0.53

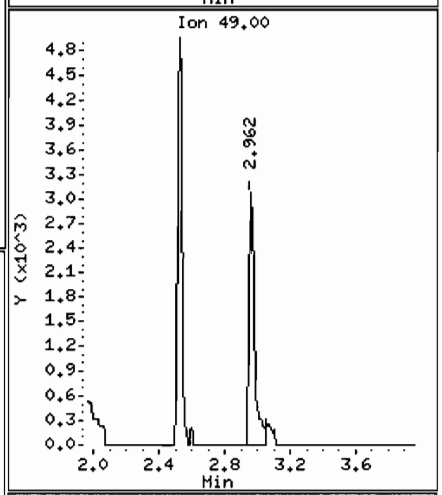
15 Methylene chloride

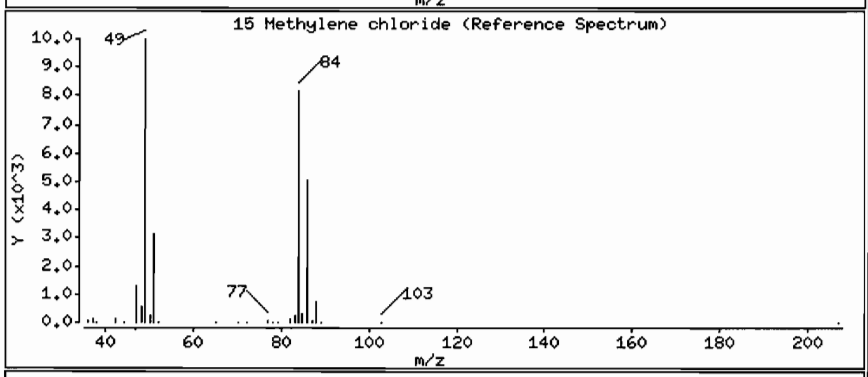
Concentration: 0.100 ug/L

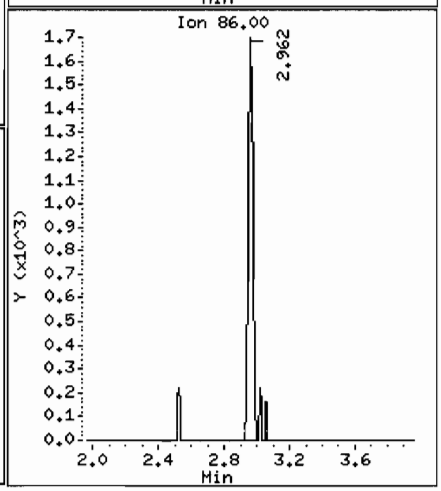


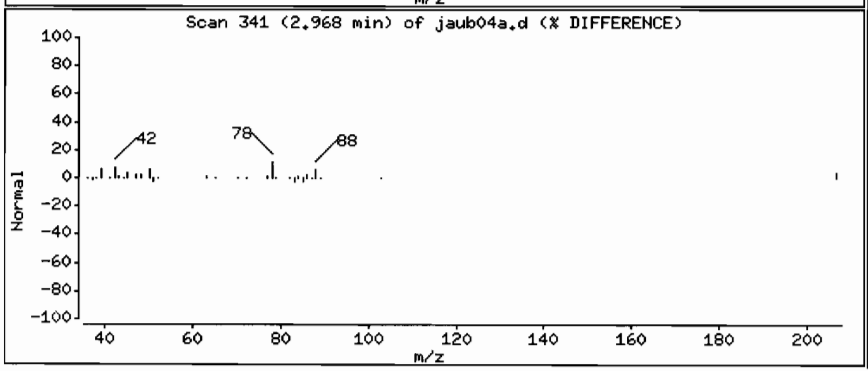












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub04a.d

Date : 25-MAY-2010 22:07

Client ID: VIBLKJY

Instrument: J.i

Sample Info: JAUB04A

Purge Volume: 25.0

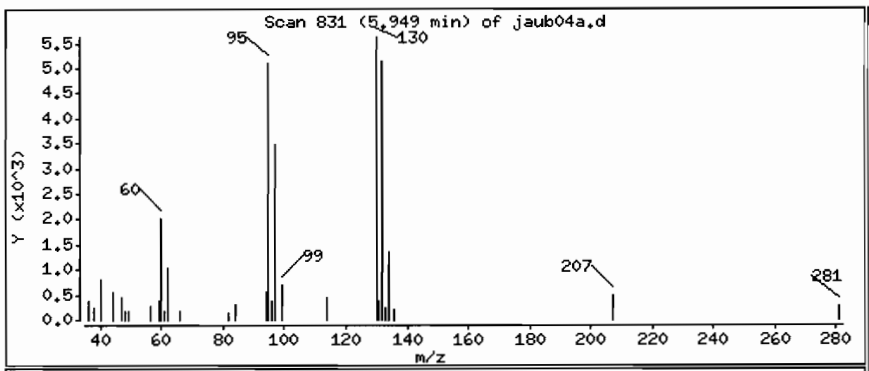
Operator: JP1

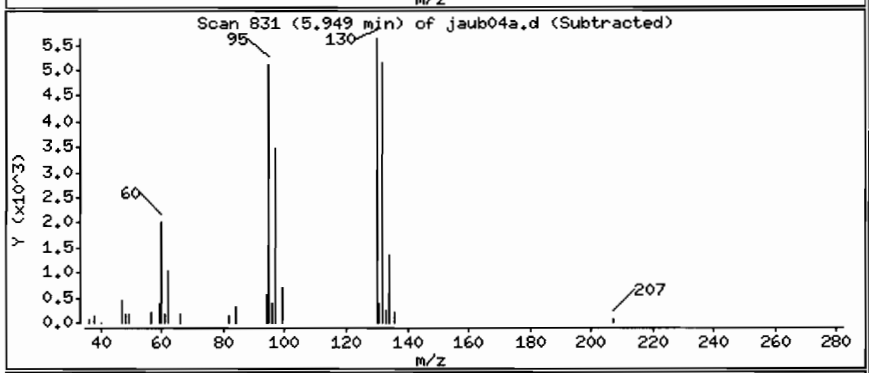
Column phase: DB-624

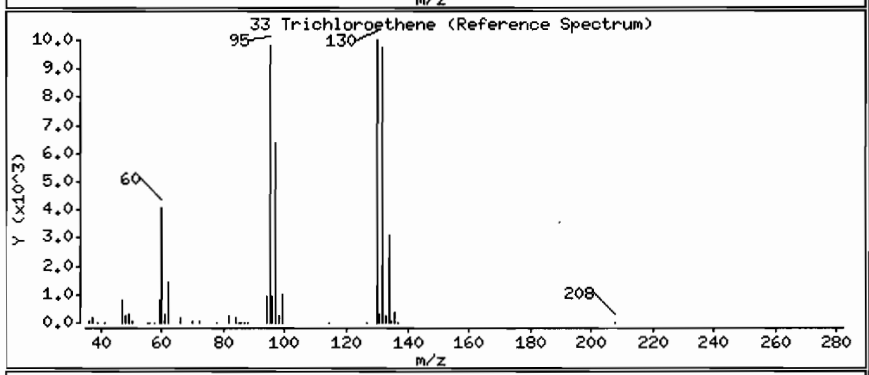
Column diameter: 0.53

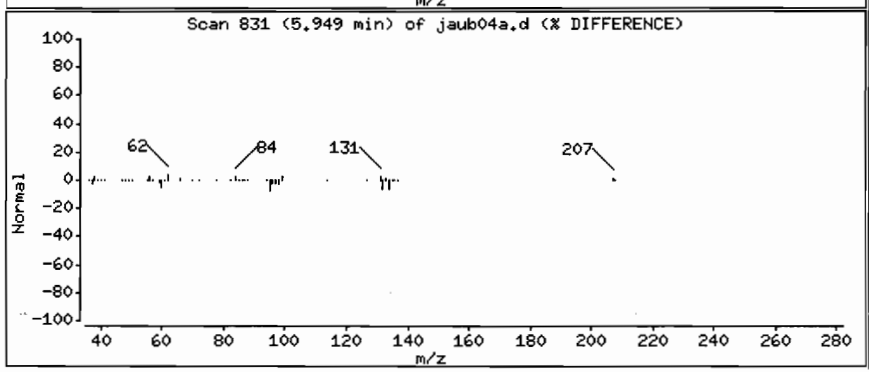
33 Trichloroethene

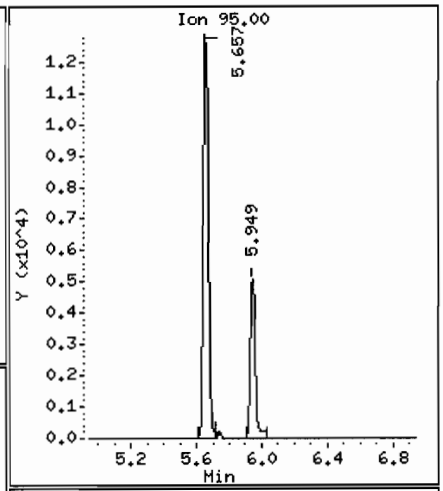
Concentration: 0.17 ug/L

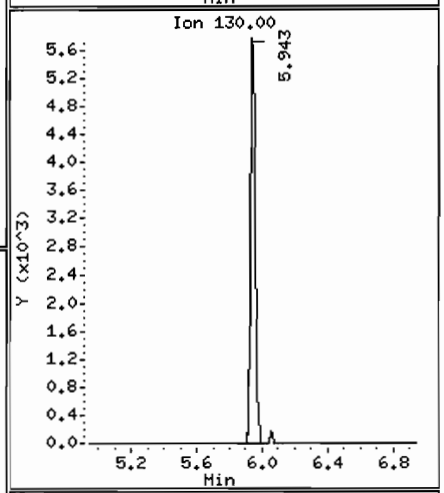


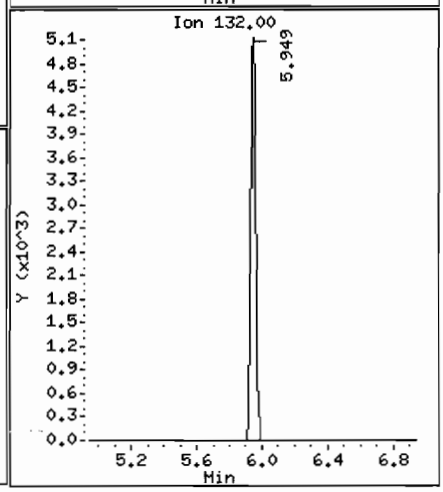












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub04a.d

Date : 25-MAY-2010 22:07

Client ID: VIBLKJY

Instrument: J.i

Sample Info: JAUB04A

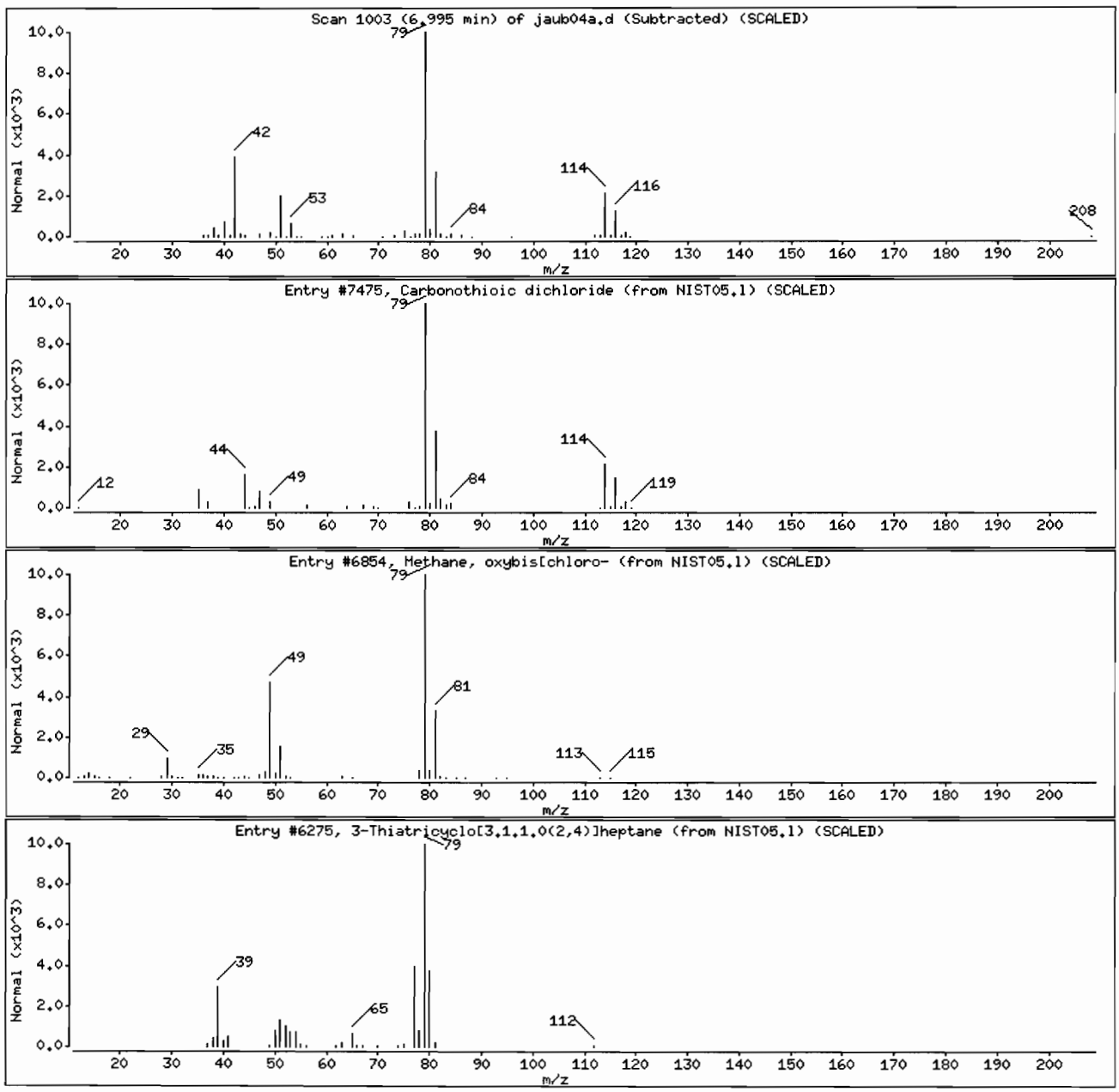
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	25	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	9	C6H8S	112



1A - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJZ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJZ

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB05A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
67-64-1	Acetone	37	B
75-15-0	Carbon disulfide	0.50	U
79-20-9	Methyl acetate	0.50	U
75-09-2	Methylene chloride	0.067	JB
156-60-5	trans-1,2-Dichloroethene	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	1.0	J
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
110-82-7	Cyclohexane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

SOM01.2

1B - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
VIBLKJZ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJZ

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB05A

Level: (TRACE/LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
79-01-6	Trichloroethene	0.16	J
108-87-2	Methylcyclohexane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-5	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U
10061-02-6	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	m,p-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

SOM01.2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
VIBLKJZ

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: LASS Mod. Ref No.: SDG No.: NY137390

Matrix: (SOIL/SED/WATER) Water Lab Sample ID: VIBLKJZ

Sample wt/vol: 25.0 (g/mL) mL Lab File ID: JAUB05A

Level: (TRACE or LOW/MED) TRACE Date Received:

% Moisture: not dec. Date Analyzed: 05/25/2010

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/kg) ug/L Purge Volume: 25.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	7.00	3.0	JXB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(1)	Total Alkanes	N/A		

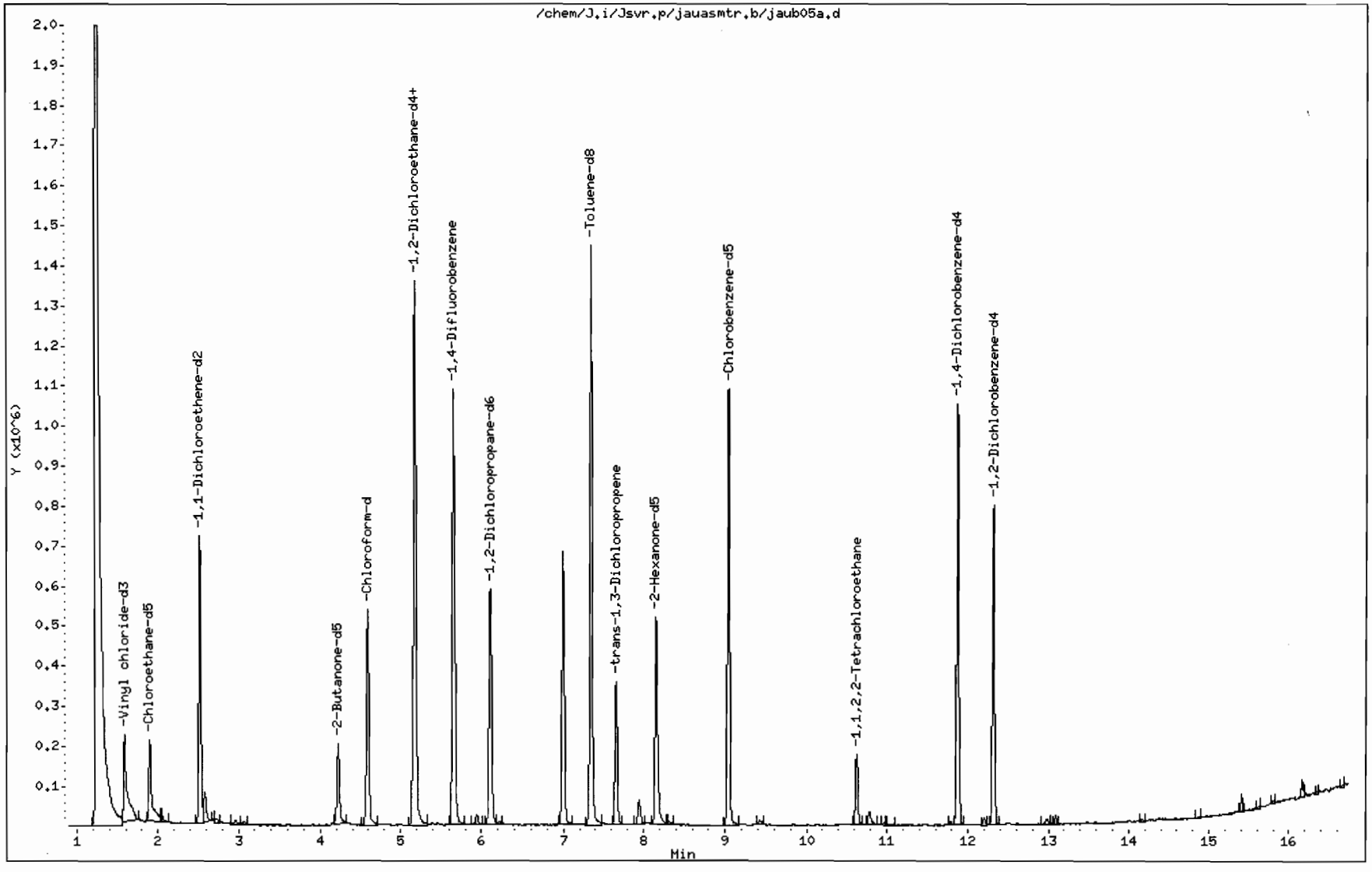
(1)EPA-designated Registry Number.

SOM01.2

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub05a.d
Date : 25-MAY-2010 23:03
Client ID: VIBLKJZ
Sample Info: JAUB05A
Purge Volume: 25.0
Column phase: DB-624

Page 5

Instrument: J.i
Operator: JP1
Column diameter: 0.53



TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/jaub05a.d
Lab Smp Id: VIBLKJZ Client Smp ID: VIBLKJZ
Inj Date : 25-MAY-2010 23:03
Operator : JP1 Inst ID: J.i
Smp Info : JAUB05A
Misc Info : VIBLKJZ,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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 (ug/L)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.587	1.587	(0.281)	413386	5.05519	5.1
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	1.897	1.897	(0.335)	316913	5.20571	5.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.524	2.524	(0.446)	511604	3.91942	3.9
	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	(0.457)	101461	36.7710	37
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	15 Methylene chloride	84	2.962	2.962	(0.524)	3873	0.06733	0.067(a)
	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	4.221	4.221	(0.746)	311370	62.0118	62
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	4.282	4.282	(0.757)	5611	0.99625	1.00(a)
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	4.592	4.592	(0.812)	528459	5.06145	5.1
	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	5.164	5.164	(0.913)	176502	5.32457	5.3
$	29 Benzene-d6	84	5.182	5.182	(0.573)	1340331	5.46870	5.5
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	5.657	5.657	(1.000)	1007225	5.00000	
	33 Trichloroethene	95	5.949	5.943	(0.658)	10186	0.16321	0.16(a)
$	34 1,2-Dichloropropane-d6	67	6.107	6.101	(0.676)	336357	5.29247	5.3
	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	7.342	7.342	(0.812)	1138965	5.15976	5.2
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	7.658	7.658	(0.847)	241582	5.35536	5.4
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.157	8.157	(0.902)	239124	59.7305	60
	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	9.039	9.039	(1.000)	736182	5.00000	
	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	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	10.627	10.627	(1.176)	111716	5.53292	5.5
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	11.868	11.874	(1.000)	324599	5.00000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.312	12.312	(1.037)	239890	5.09281	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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Data file : /chem/J.i/Jsvr.p/jauasmtr.b/jaub05a.d
Lab Smp Id: VIBLKJZ Client Smp ID: VIBLKJZ
Inj Date : 25-MAY-2010 23:03
Operator : JP1 Inst ID: J.i
Smp Info : JAUB05A
Misc Info : VIBLKJZ,052510JW,1,5
Comment :
Method : /chem/J.i/Jsvr.p/jauasmtr.b/somtr4.m
Meth Date : 28-May-2010 10:55 jd1 Quant Type: ISTD
Cal Date : 25-MAY-2010 10:04 Cal File: jau0005v.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
X	25.00000	method volume 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	5.657	2289676	5.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
6.995	1389458	3.03417936	3.0	0	0		32

Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub05a.d

Date : 25-MAY-2010 23:03

Client ID: VIBLKJZ

Instrument: J.i

Sample Info: JAUB05A

Purge Volume: 25.0

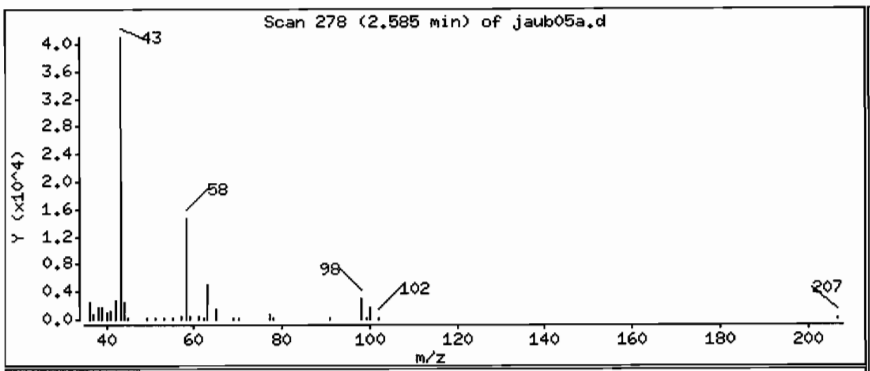
Operator: JP1

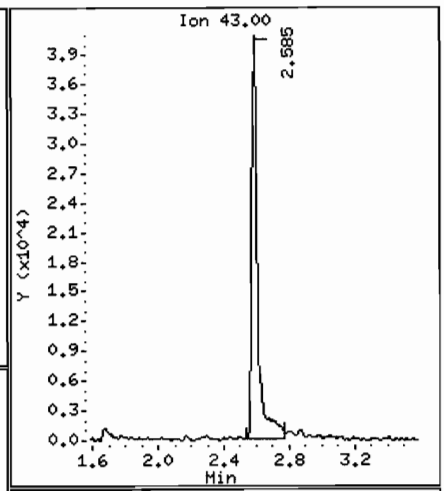
Column phase: DB-624

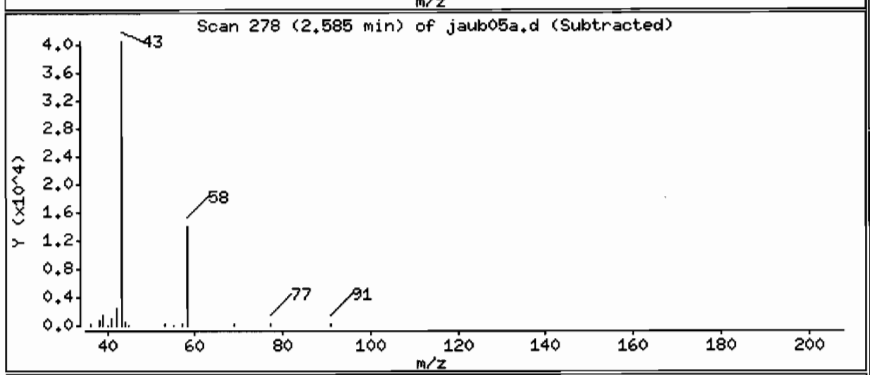
Column diameter: 0.53

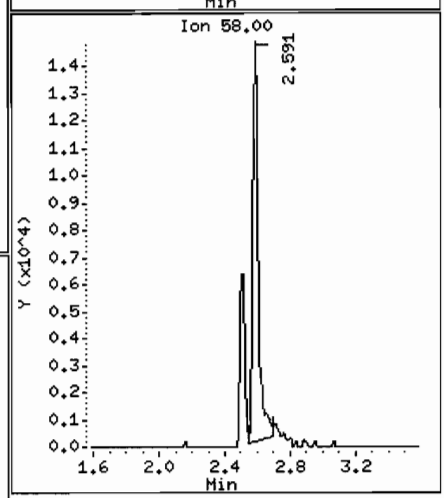
12 Acetone

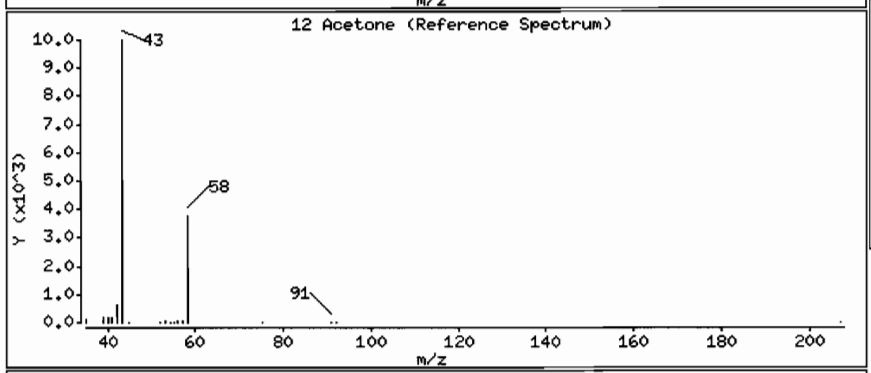
Concentration: 37 ug/L

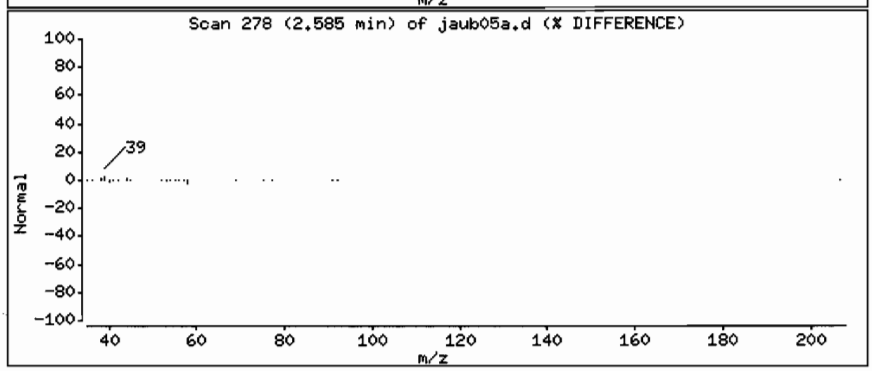












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub05a.d

Date : 25-MAY-2010 23:03

Client ID: VIBLKJZ

Instrument: J.i

Sample Info: JAUB05A

Purge Volume: 25.0

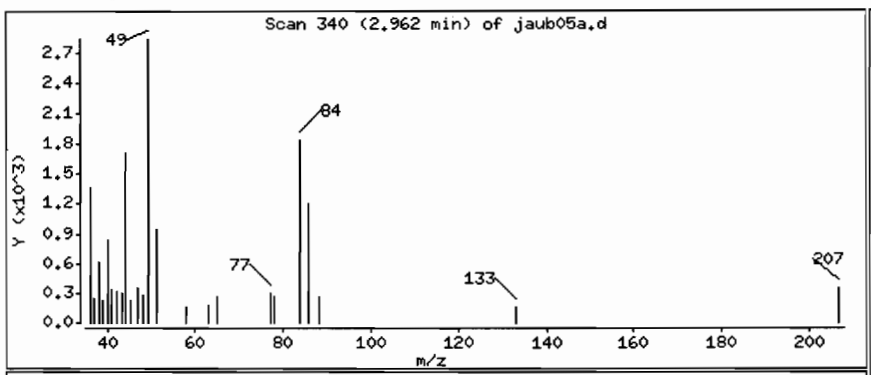
Operator: JP1

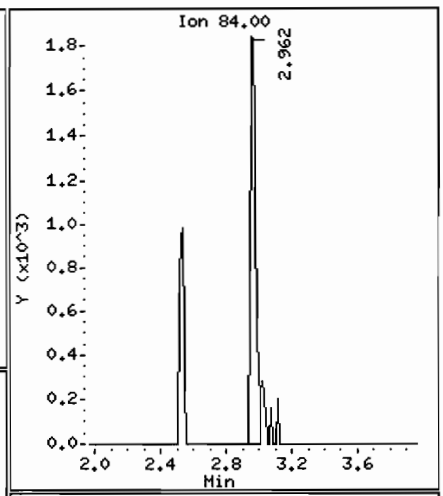
Column phase: DB-624

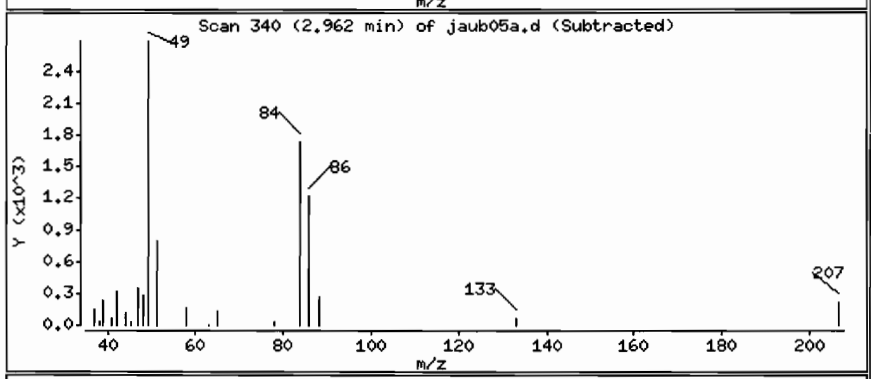
Column diameter: 0.53

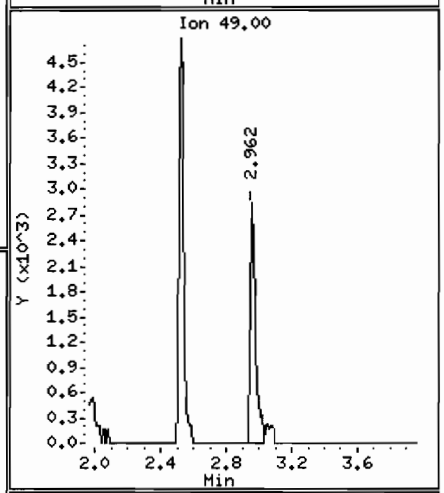
15 Methylene chloride

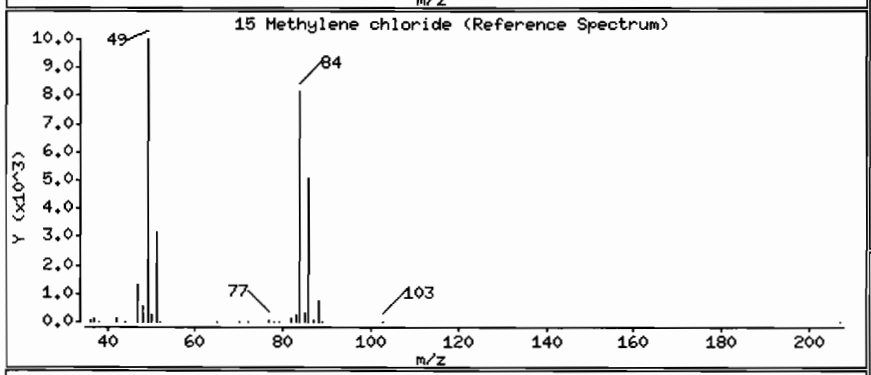
Concentration: 0.067 ug/L

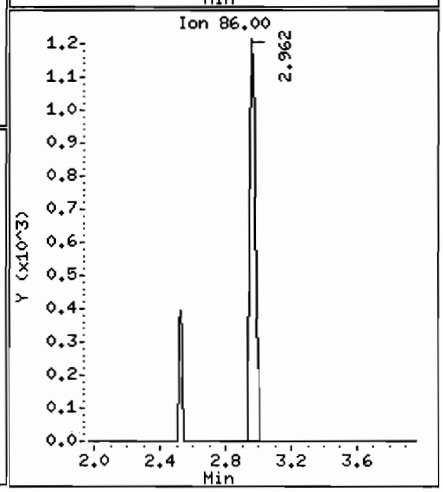


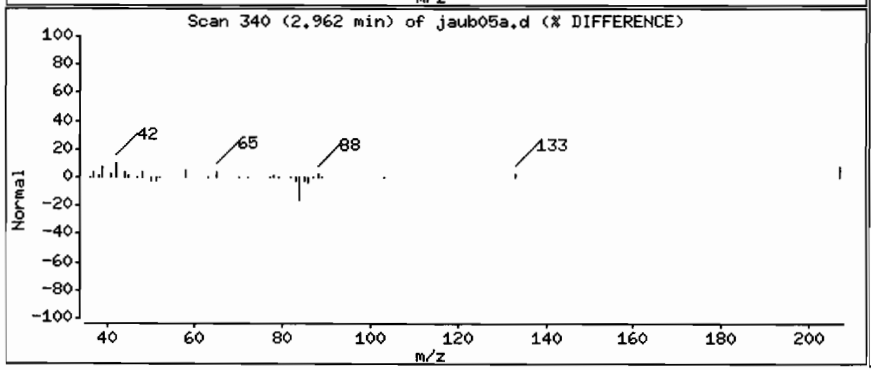












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub05a.d

Date : 25-MAY-2010 23:03

Client ID: VIBLKJZ

Instrument: J.i

Sample Info: JAUB05A

Purge Volume: 25.0

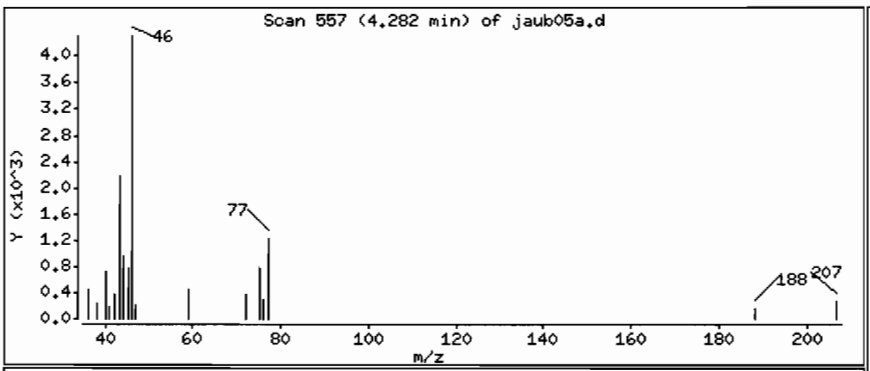
Operator: JP1

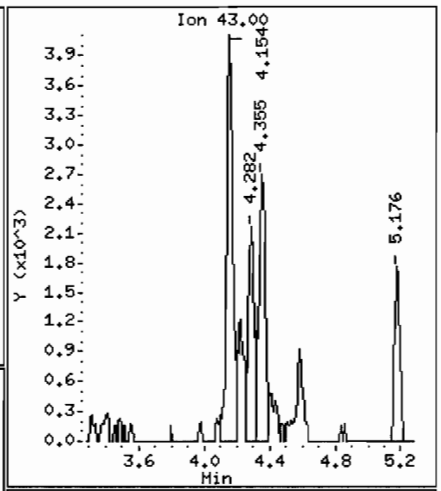
Column phase: DB-624

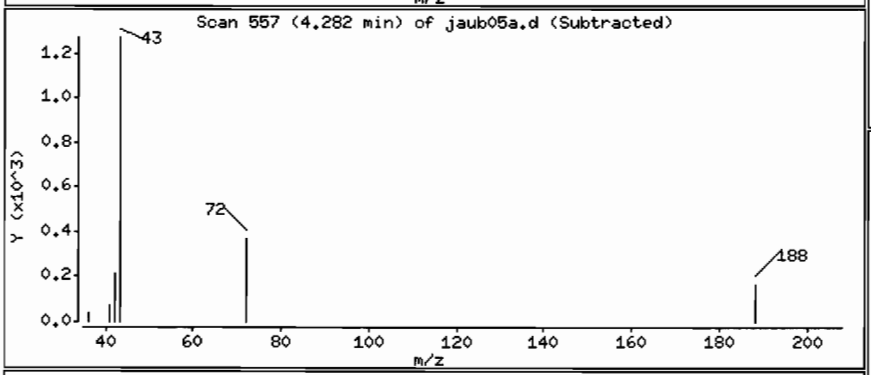
Column diameter: 0.53

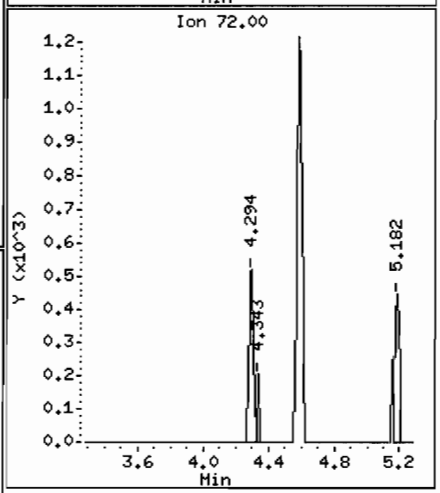
21 2-Butanone

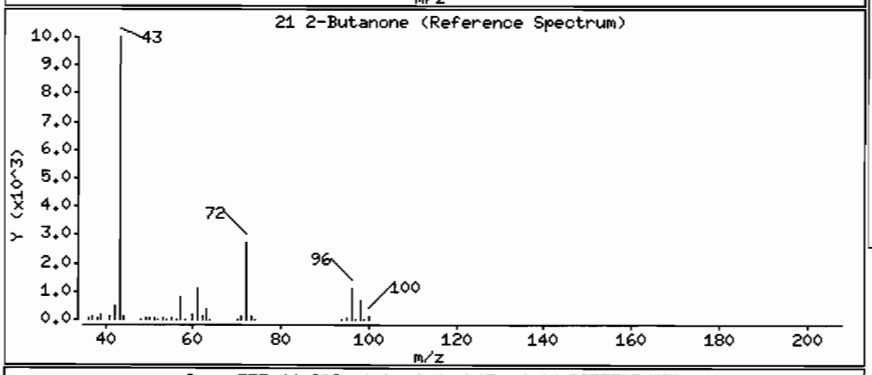
Concentration: 1.00 ug/L

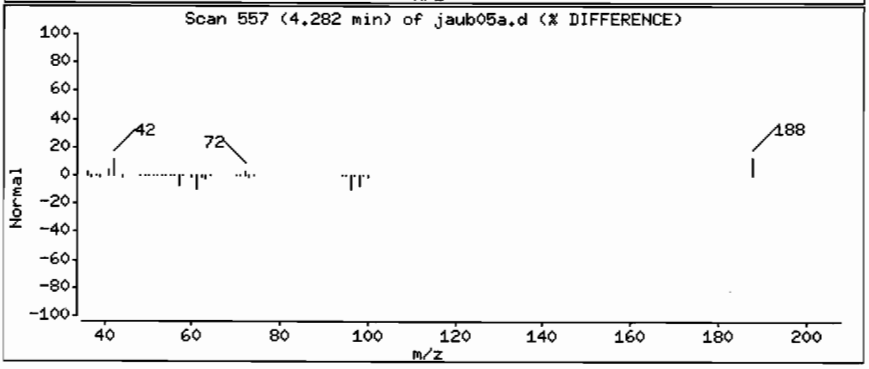












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub05a.d

Date : 25-MAY-2010 23:03

Client ID: VIBLKJZ

Instrument: J.i

Sample Info: JAUB05A

Purge Volume: 25.0

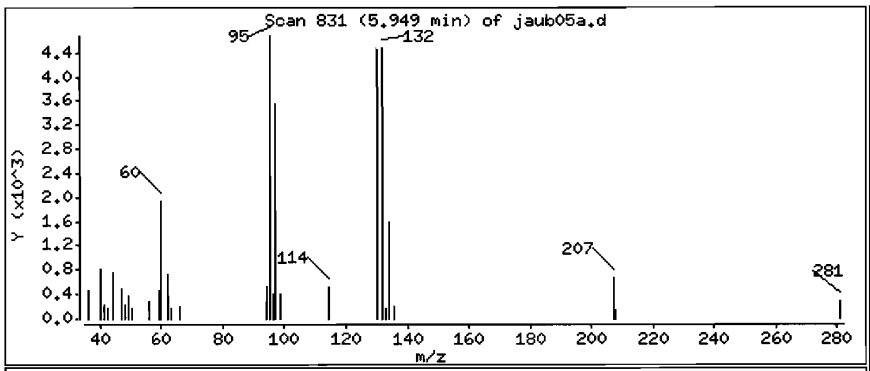
Operator: JP1

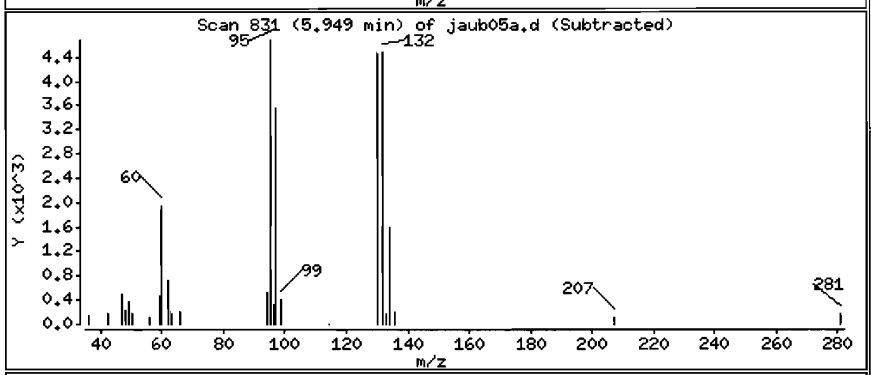
Column phase: DB-624

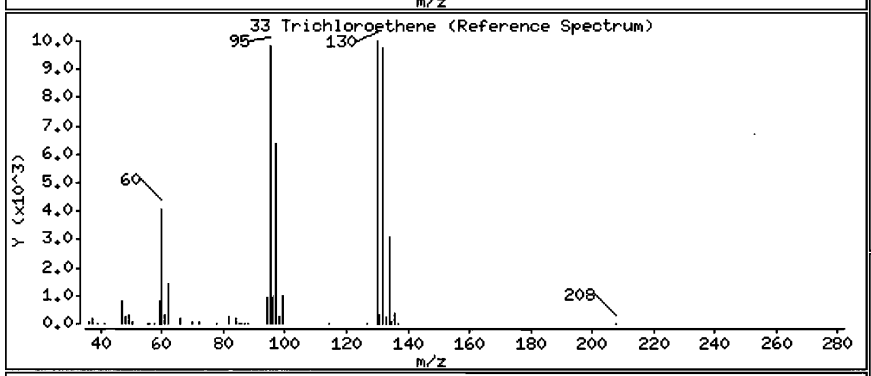
Column diameter: 0.53

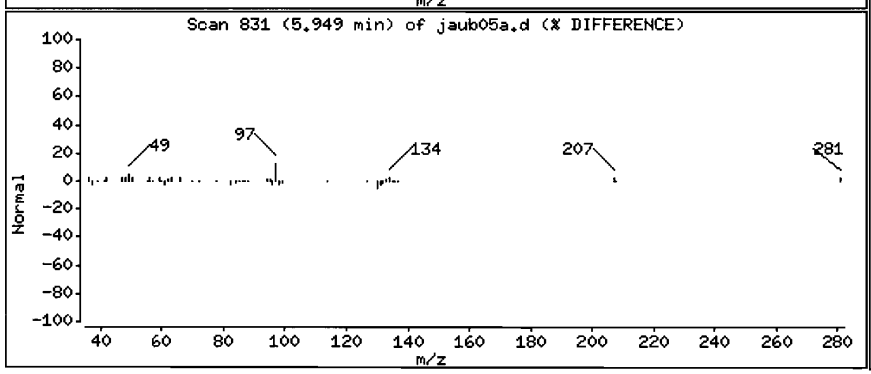
33 Trichloroethene

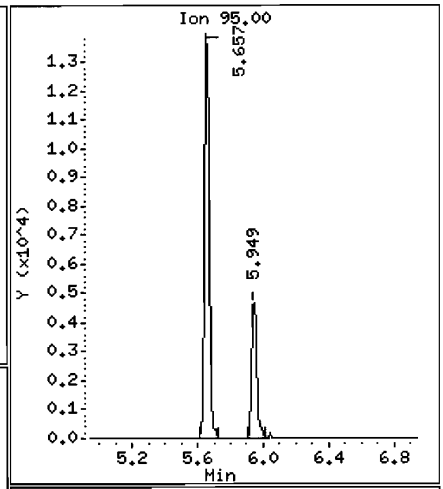
Concentration: 0.16 ug/L

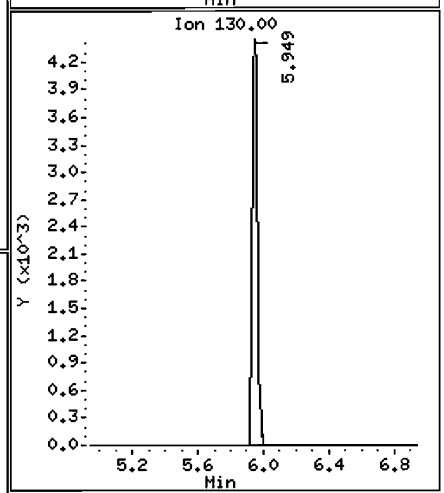


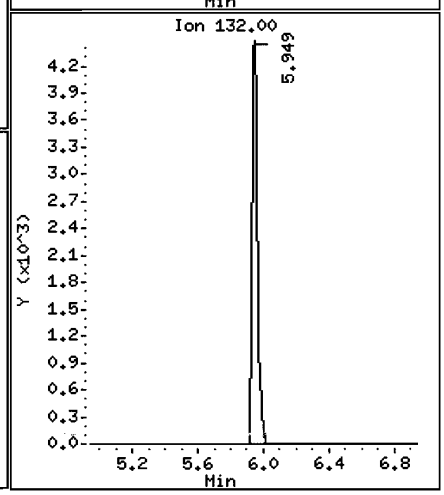












Data File: /chem/J.i/Jsvr.p/jauasmtr.b/jaub05a.d

Date : 25-MAY-2010 23:03

Client ID: VIBLKJZ

Instrument: J.i

Sample Info: JAUB05A

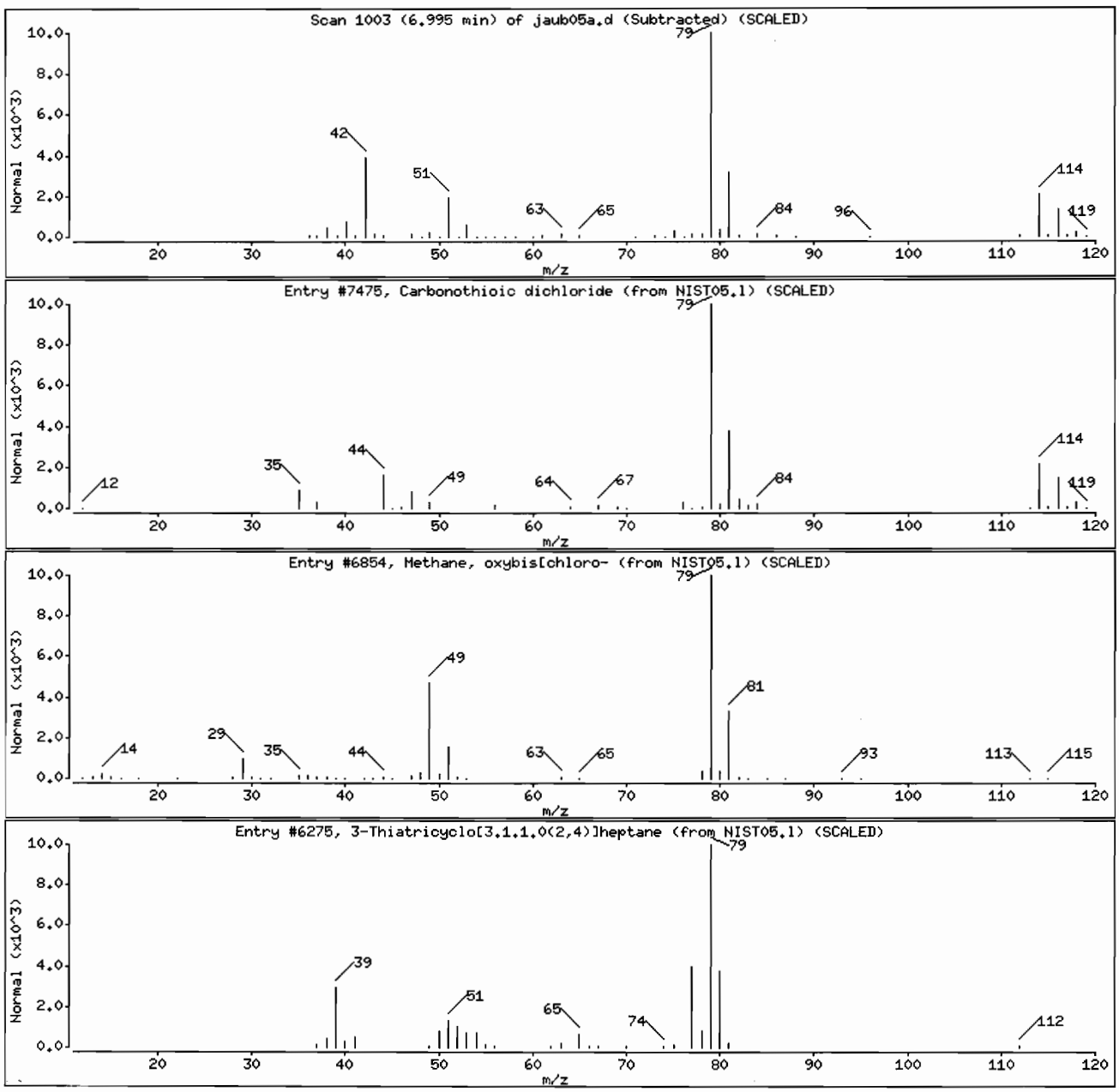
Purge Volume: 25.0

Operator: JP1

Column phase: DB-624

Column diameter: 0.53

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.l	7475	47	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.l	6854	25	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptane	1000221-37-0	NIST05.l	6275	25	C6H8S	112





Sample Preparation – SOM01.2 Volatiles – Trace

TestAmerica Burlington - Manual Integration Summary
SDG: jausmtr Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename
	Peak RT	Compound			Manual Integration Flag	Analyst Date-Time	Sign-Off
VSTD0.5JV	VSTD0.5JV	INIT. CALIB.	J	DB-624	25-MAY-2010 10:04	JAU0005V	
	1.368	Dichlorodifluoromethane			MI1 - Poor automated baseline	jd1 05/25/10 16:52	JO 05/25/10

Summary Generated: jd1 05/25/2010 16:55 Secondary Review(1): CMP | 5/26/10 Secondary Review(2): _____ | _____ Page 1

TestAmerica Burlington - Manual Integration Summary
SDG: javsmtr Fraction: Volatile

===== Instrument J - No Manual Integrations =====

JD 05/28/10

TestAmerica Burlington - Manual Integration Summary
SDG: NY137390 Fraction: Volatile

Lab Sample ID	Client Sample ID	Sample Type	Inst.	Column	Analysis Date	Filename
	Peak RT	Compound			Manual Integration Flag	Analyst Date-Time	Sign-Off
VSTD0.5JV	VSTD0.5JV	INIT. CALIB.	J	DB-624	25-MAY-2010 10:04	JAU0005V	
	1.368	Dichlorodifluoromethane			MI1 - Poor automated baseline	jd1 05/25/10 16:52	JPD 05/28/10
830642D1	ISCO IW05DL	SAMPLE	J	DB-624	25-MAY-2010 15:24	830642D	
	8.212	2-Hexanone			MI1 - Poor automated baseline	jd1 05/25/10 16:41	JPD 05/28/10

Summary Generated: jd1 05/28/2010 12:07 Secondary Review(1): KLP 05/28/10 Secondary Review(2): _____ Page 1

GC/MS VOA INSTRUMENT RUN LOG

Sequence	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: JAVSMTR	BFB Lot# MV12100901	Instrument: HP5973 Instrument ID: J	114 Tune STD ☑ RF Summary
Test Method: SOMTR	ISTD Lot #: MV05241001	Column Type: Capillary RTX-624	☑ Internal Standard Response
ICAL Date: 5/25/10	Surrogate Lot # MV05241003	Purge Volume: ☐ 5 mL ☐ 10 mL ☑ 25 mL	☑ RT & Ratios Updated
Start Date: 5/25/10 Time: 0917	CAL STD Lot # MV05241002		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 5/25/10 Time: 2117	LCS/MS Lot #		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
0917	JAV01PV	BFBJV	NA		JHZ	—	—	✓	JHZ	fair new tune
0936	JAVB01	EBLK				—	—	—		+TICs
1004	JAV0005V	VSTD0005JV				✓	✓	✓		
1032	JAV0001V	VSTD001JV				✓	✓	✓		
1059	JAV005V	VSTD005JV				✓	✓	✓		
1128	JAV010V	VSTD010JV				✓	✓	✓		
1155	JAV020V	VSTD020JV				✓	✓	✓		
1224	JAVB02	IBLK				—	—	—		
1251	JAVB03	VBLKJV				✓	✓	✓		
1334	830645	137390	A2	100%		✓	✓	✓		C
1401	830646			22 mL		✓	✓	✓		C
1429	830640D			22 mL		✓	✓	✓		C TCE 23
1457	830641D			1.5 mL		✓	✓	✓	JP1	C TCE 410
1524	830642D			4.8 mL		✓	✓	✓		C TCE 120
1551	830643D			22 mL		✓	✓	✓		C TCE 28
1619	830644D			15 mL		✓	✓	↑		R TCE 390 130 o.c.
1647	830640D2		A3	100%		✓	✓			M.C. TCE 23
1714	JAVB04	VIBLKJX	—	—		✓	✓	✓		
1742	JAV05C1	VSTD005VJ	—	—		—	—	✓		

good closing

JP1 5/25/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS VOA INSTRUMENT RUN LOG

Sequence		Standard Traceability		Instrument Information		Instrument Performance Checks
Batch ID:	JAUASMTR	BFB Lot#	MV12100901	Instrument: HP5973	Instrument ID: J	100K Tune STD ☐ ~~BF~~ Summary
Test Method:	Som TRACE	ISTD Lot #:	MV052410O1	Column Type: Capillary RTX-624		☐ ~~Internal~~ Standard Response
ICAL Date:	5/25/10	Surrogate Lot #	MV052410O3	Purge Volume: ☐ 5 mL ☐ 10 mL	☑ ~~25~~ mL	☐ ~~RT~~ & Ratios Updated
Start Date:	5/25/10 Time: 1837	CAL STD Lot #	MV052410O2			☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date:	5/26/10 Time: 0637	LCS/MS Lot #	MV052110O1			

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
	JAU02AV	BFBJW	NA		JPI	NA			JPI	
	JAU03PV									
	JAU04PV									
1837	JAU05PV					✓	✓	✓		
1903	JAU005AV	VSTD005JW				✓	✓	✓		
1930	JAUB01A	MBLK05251OJW				✓	✓	↑		↑ Acetone
2006	JAUB02A	MBLK05251OJW	NA			✓	✓	✓		
2043	830644	137390	A3	100%		✓	✓	✓		more conc. TCE=344
2111	JAUB03A	VIBLKJX	NA			✓	✓	✓		NO - TCE
2139	830641d2	137390	A2	18.8ml		✓	✓	✓		more conc. TCE=390
2207	JAUB04A	VIBLKJV	NA			✓	✓	✓	JHz	
2235	830642	137390	A3	100%		✓	✓	✓		more conc. Acetone 370 TCE 110
2303	JAUB05A	VIBLKJZ	NA			✓	✓	↑AC		* AC 37
2331	830643	137390	A3	100%		✓	✓			more conc. AC 24 TCE 31
2359	JAUB06A	VIBLKJA	NA			✓	✓	✓		
0027	830389	137364	A3	100%		✓	✓	✓		
0054	830391					✓	✓	✓		
0122	830410	137364	/			✓	✓	✓		
0150	830411					✓	✓	✓		
0219	830412					✓	✓	✓		
0247	830413					✓	✓	✓		
0315	830414					✓	✓	✓		
0343	830464	137377	A5			✓	✓	✓		
0411	830464M		A6			↓ ✓	✓	✓ ↓		R ms spike solution bad.
0439	830464S		A8			↓ ✓	✓	✓ ↓		R ↓
0507	JAUB07A	BLANK	NA			✓	✓	✓		
0635	JAU05AC1	VSTD005WJ				✓	✓	✓		Good closing
	JAU05AC2					—	—	—		Not needed

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

JHz 5/24/10

GC/MS VOA INSTRUMENT RUN LOG

Sequence: JAVSMTR	Standard Traceability	Instrument Information	Instrument Performance Checks
Batch ID: ~~5107110~~	BFB Lot#: MV12009 01	Instrument: HP5973 Instrument ID: J	94K Tune STD ☑ ~~CRF~~ Summary
Test Method: 5 OM TRACE	ISTD Lot #: MV05241001	Column Type: Capillary RTX-624	☑ Internal Standard Response
ICAL Date: 5/27/10	Surrogate Lot #: MV05241003	Purge Volume: ☐ 5 mL ☐ 10 mL ☑ ~~25~~ mL	☑ ~~CRT~~ & Ratios Updated
Start Date: 5/27/10 Time: 0757	CAL STD Lot #: MV05241002		☐ Batch MS/MSD was not performed due to insufficient sample volume
End Date: 5/27/10 Time: 1957	LCS/MS Lot #: MV05261002		

Sequence Information						Individual Sample Review				Comments
Injection Time	Lab ID/ File Name	ETR	Bottle Code	Wt (g) Vol in 44 mL	Operator	Surrogate Standard	Internal Standard	Result Conc	Primary Analyst	
0757	JAV01PV	BFB JA	NA		JHL	—	—	✓	JHL	Prin review
0818	JAV005V	VSTD0.5JA				✓	✓	✓		+ TICS
0845	JAV001V	VSTD001JA				✓	✓	✓		
0913	JAV005V	VSTD005JA				✓	✓	✓		
0942	JAV010V	VSTD010JA				✓	✓	✓		
1010	JAV020V	VSTD020JA				✓	✓	✓		
1038	JAVB01	IBLK				—	—	—		
1106	JAVB02	VBLK JA				✓	✓	✓		
1158	830647	137390	A3	100%		✓	✓	✓		C HB
1226	830647M2	137385	A5			✓	✓	✓		C
1254	830647S2	↓	A6			✓	✓	✓		C
1327	830511D	137383	A2	13.2mL		✓	✓	✓	JPL	C TCE 44
1355	830512D	↓	A2	15.1mL		✓	✓	✓		C TCE 32 11.0.C.
1424	830511	↓	A3	100%		✓	✓	✓		C M.C. TCE 41
1452	JAVB03	VIBLK JB	—	—		✓	✓	✓		
1519	830512	137383	A3	100%		✓	✓	✓		C MC. ~~TCE 32 H.O.~~ TCE 34 FE 5/27/10
1547	JAVB04	VIBLK JC	—	—		✓	✓	✓		
1616	830464M4	137377	A9	100%		✓	✓	✓		C
1644	830464S4	↓	A10			✓	✓	✓		C
1711	830466	↓	A1			✓	✓	✓		C HB
1739	JAS005C1	VSTD005AJ	NA			✓	✓	✓		SX guard closing filed: JAV05C1.d
	~~830356M4~~	~~JPL 5/27/10~~								
	~~830356S4~~									

JPL 5/27/10

Legend: C=Complete ▪ R=Reanalyze ▪ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

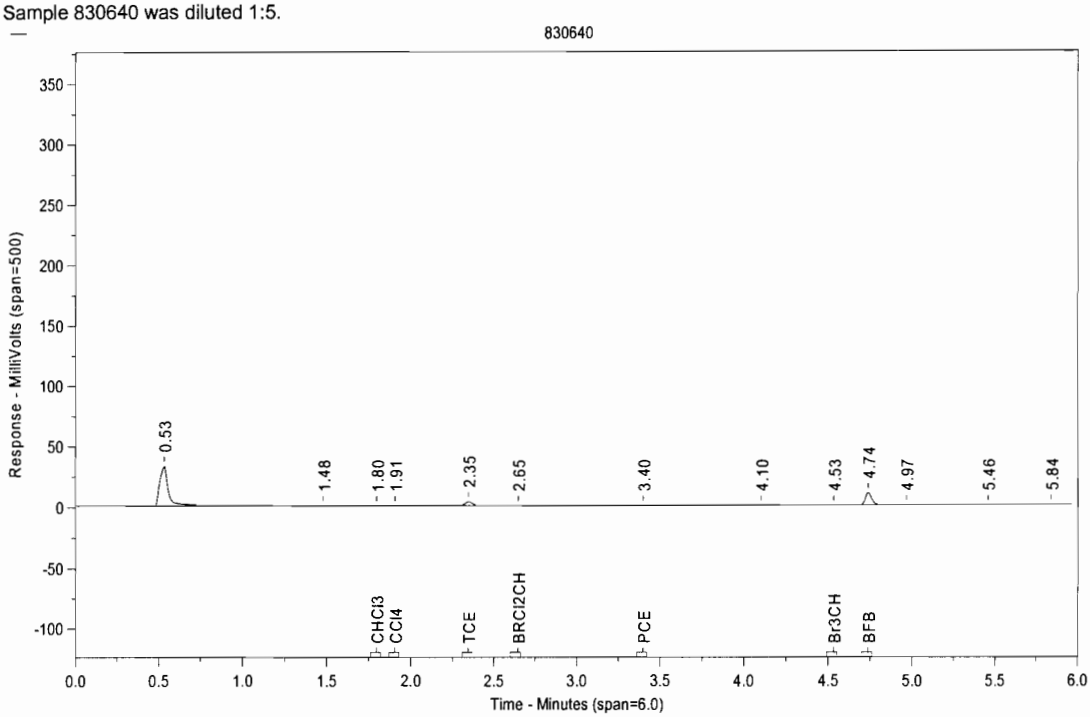
VOLATILE WATER SAMPLE PRESERVATION LOG

Date	Analyst	SDG	ETR	Lab ID	Bottle Code	pH (pH units)	Test Method	Hold Time[1] (days)
5-21-10	JJ.	JCDN1	137383	830507	A1	<2	SOM01.2 TR	5-31
				508				
				509				
				510				
				511				
				512				
				513				
				514				
				515				
				516				
5/24	JH	NY137404	137404	830724	A1	<2	8260 LW	6/3
				722				
				723				
				724				
5/24	JH	NY137390	137390	830640	A1	<2	SOM01.2 TR	5/31
				641				
				642				
				643				
				644				
				645				
				646				
				647				

1 For test methods other than CLP, if pH is ≤ 2, hold time is 14 days from date of collection. If pH is > 2, the hold time is 7 days from date of collection. For CLP, hold time is 10 days from validated time of sample receipt (VTSR).

Sample Name: 830640

Data File: C:\CPSpirit5\Data2\VoaE051510.0083.RAW
Acquired from Instrument 1 on 5/24/10 8:06:40 AM by
Sample 830640 was diluted 1:5.

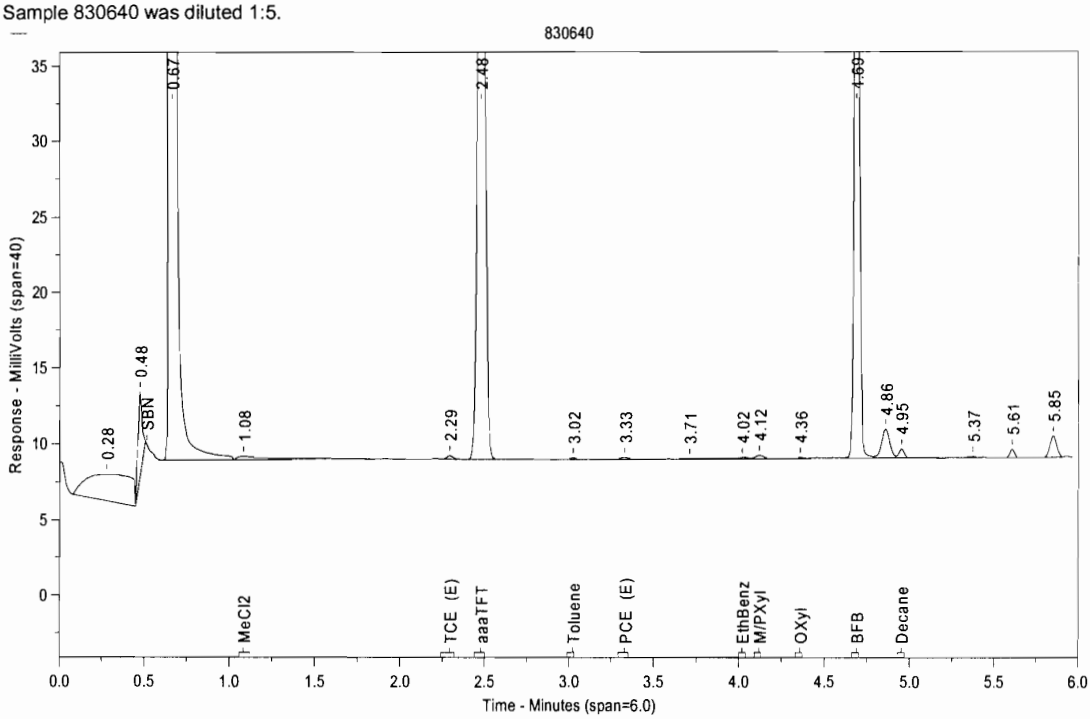


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	32892.08	4.10		0	23.99
1.48		0	52.58	4.53	Br3CH	0	31.04
1.80	CHCl3	0	35.10	4.74	BFB	2422	10219.93
1.91	CCl4	0	58.53	4.97		0	33.64
2.35	TCE	28	3307.18	5.46		0	29.54
2.65	BRCl2CH	0	30.42	5.84		0	40.36
3.40	PCE	0	110.95				

Surrogate BFB recovery is 121.1%

Sample Name: 830640

Data File: C:\CPSpirit5\Data2\VoaF051510.0083.RAW
Acquired from Instrument 1 on 5/24/10 8:06:40 AM by
Sample 830640 was diluted 1:5.

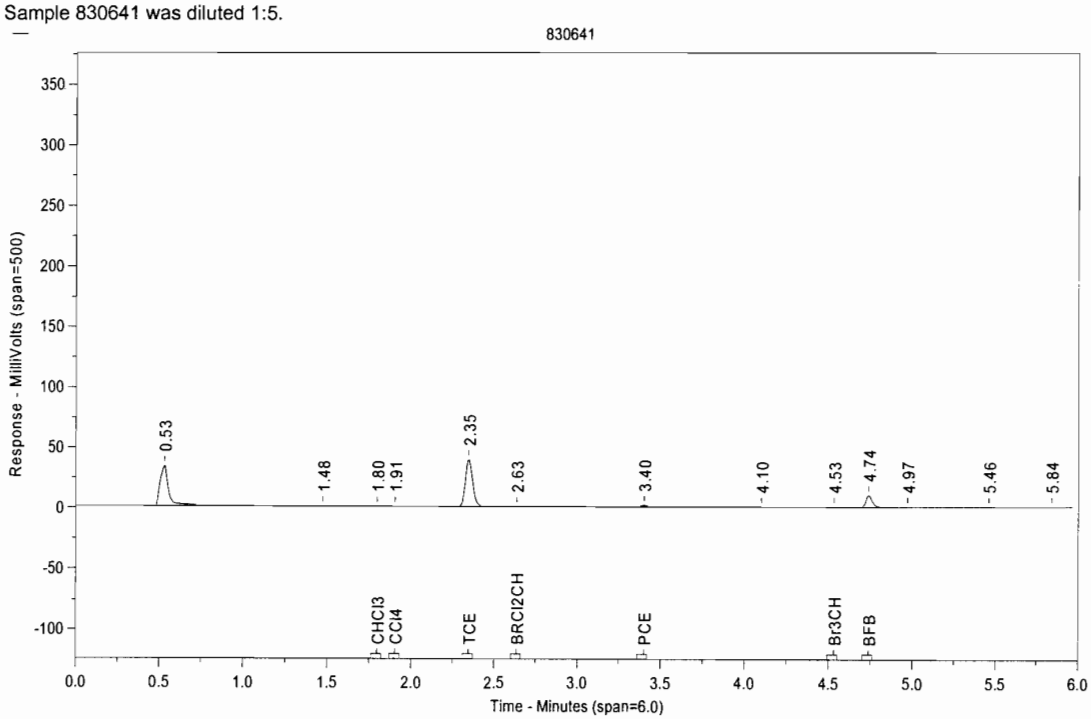


RT	Name	Amount	Height	RT	Name	Amount	Height
0.28		0	1783.24	4.02	EthBenz	1	95.16
0.48		0	5739.32	4.12	M/PXyl	-1	238.83
0.67		0	640000.06	4.36	OXyl	-1	84.08
1.08	MeCl2	9	216.63	4.69	BFB	2466	50617.00
2.29	TCE (E)	23	227.95	4.86		0	1886.99
2.48	aaaTFT	2065	52074.91	4.95	Decane	11	590.19
3.02	Toluene	3	117.42	5.37		0	92.15
3.33	PCE (E)	13	142.33	5.61		0	578.91
3.71		0	69.54	5.85		0	1394.22

Surrogate aaaTFT recovery is 103.3%
Surrogate BFB recovery is 123.3%

Sample Name: 830641

Data File: C:\CPSpirit5\Data2\VoaE051510.0084.RAW
Acquired from Instrument 1 on 5/24/10 8:17:52 AM by
Sample 830641 was diluted 1:5.

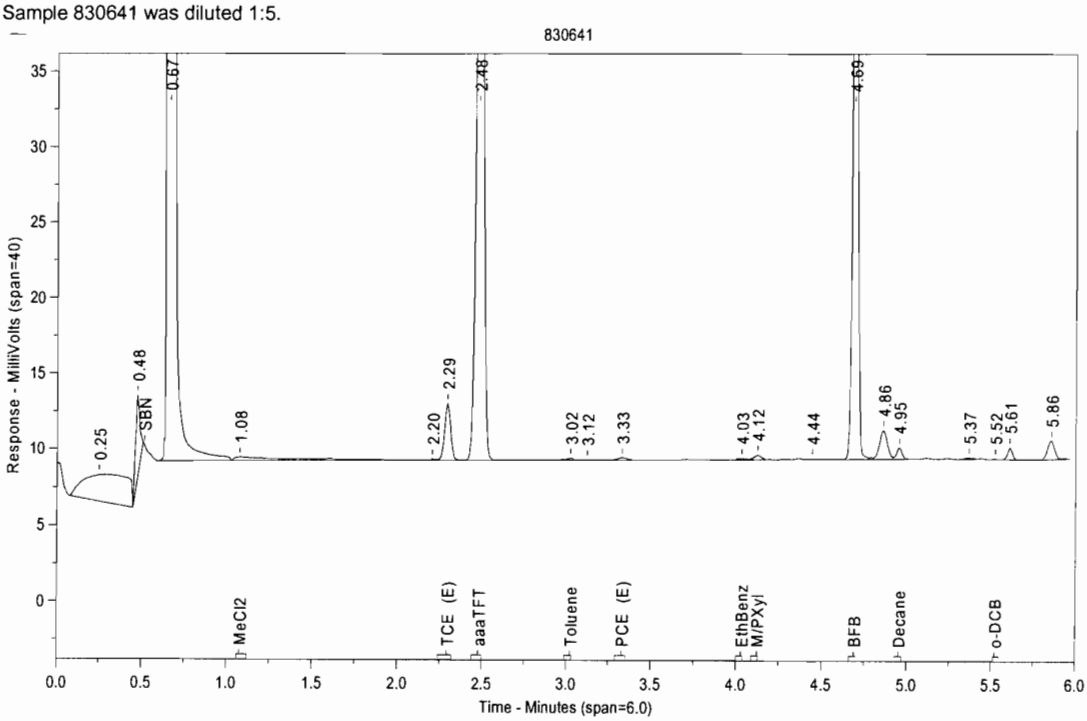


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33331.29	4.10		0	24.15
1.48		0	63.74	4.53	Br3CH	0	30.23
1.80	CHCl3	0	46.73	4.74	BFB	2318	9837.55
1.91	CCl4	0	69.55	4.97		0	21.91
2.35	TCE	425	39078.52	5.46		0	26.34
2.63	BRCl2CH	0	46.62	5.84		0	41.84
3.40	PCE	3	1240.17				

Surrogate BFB recovery is 115.9%

Sample Name: 830641

Data File: C:\CPSpirit5\Data2\VoaF051510.0084.RAW
Acquired from Instrument 1 on 5/24/10 8:17:52 AM by
Sample 830641 was diluted 1:5.

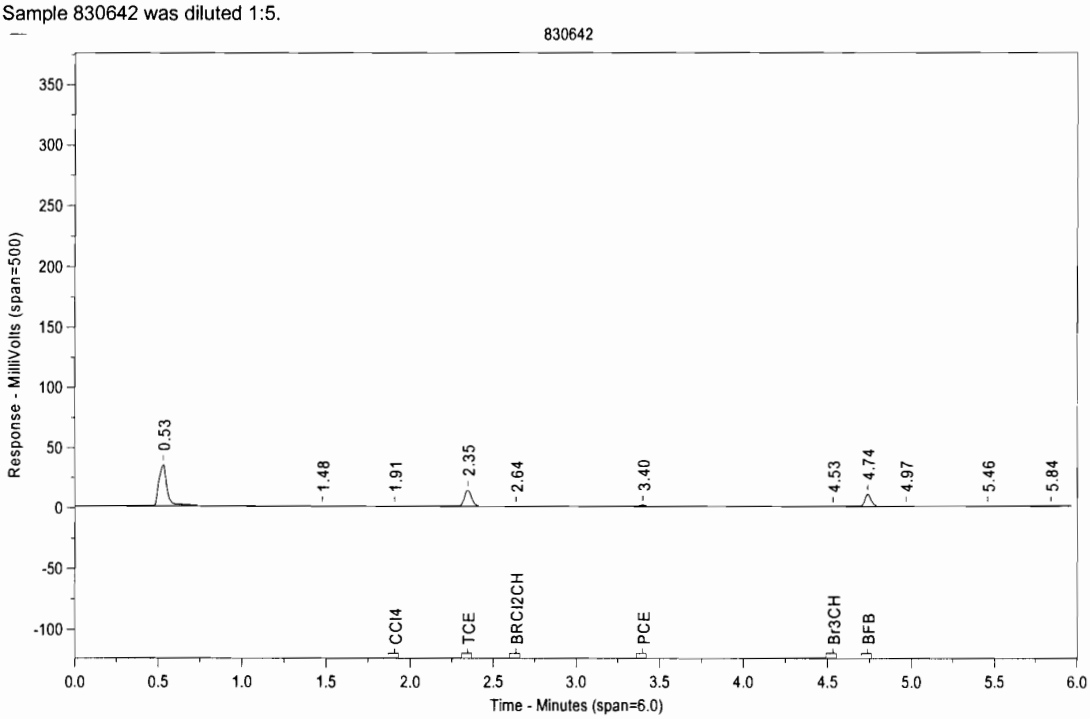


RT	Name	Amount	Height	RT	Name	Amount	Height
0.25		0	1729.73	4.03	EthBenz	1	94.67
0.48		0	5579.55	4.12	M/PXyl	0	281.36
0.67		0	609491.00	4.44		0	59.41
1.08	MeCl2	14	246.20	4.69	BFB	2368	48617.66
2.20		0	111.89	4.86		0	1874.46
2.29	TCE (E)	389	3777.58	4.95	Decane	14	755.91
2.48	aaaTFT	1944	49023.19	5.37		0	79.33
3.02	Toluene	3	132.35	5.52	o-DCB	2	48.47
3.12		0	50.48	5.61		0	774.68
3.33	PCE (E)	14	169.23	5.86		0	1225.42

Surrogate aaaTFT recovery is 97.2%
Surrogate BFB recovery is 118.4%

Sample Name: 830642

Data File: C:\CPSpirit5\Data2\VoaE051510.0085.RAW
Acquired from Instrument 1 on 5/24/10 8:29:38 AM by
Sample 830642 was diluted 1:5.

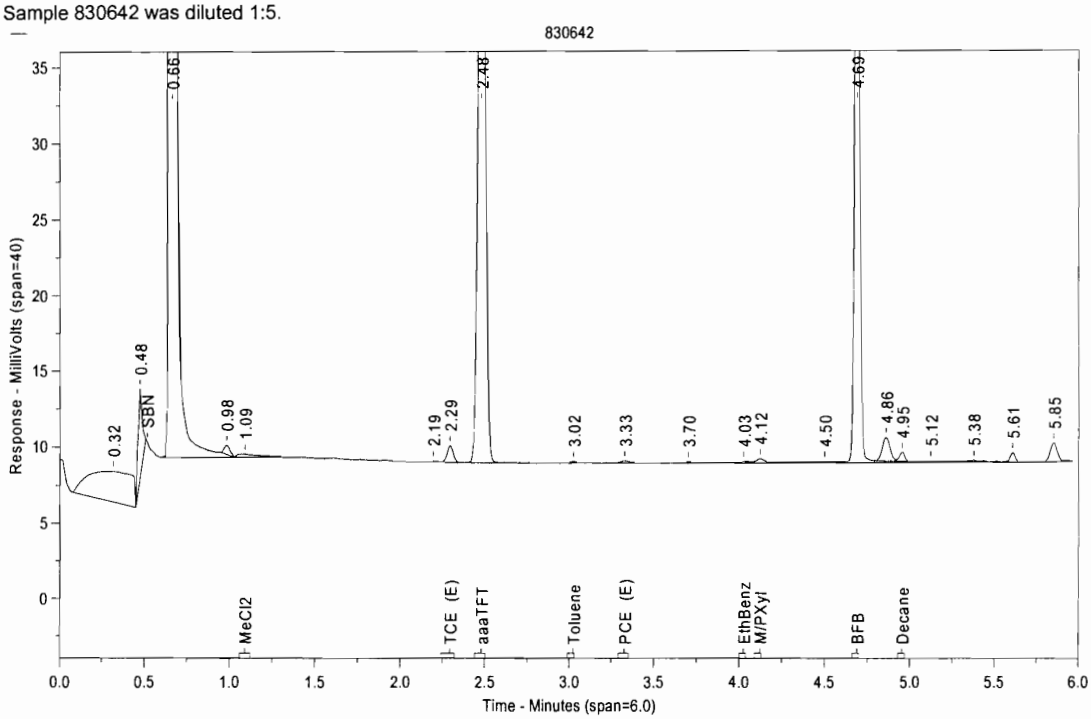


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	34835.30	4.53	Br3CH	0	33.67
1.48		0	81.73	4.74	BFB	2367	10018.63
1.91	CCl4	0	106.35	4.97		0	27.68
2.35	TCE	131	13478.71	5.46		0	26.92
2.64	BRCl2CH	0	37.65	5.84		0	39.22
3.40	PCE	2	1062.81				

Surrogate BFB recovery is 118.4%

Sample Name: 830642

Data File: C:\CPSpirit5\Data2\VoaF051510.0085.RAW
Acquired from Instrument 1 on 5/24/10 8:29:38 AM by
Sample 830642 was diluted 1:5.

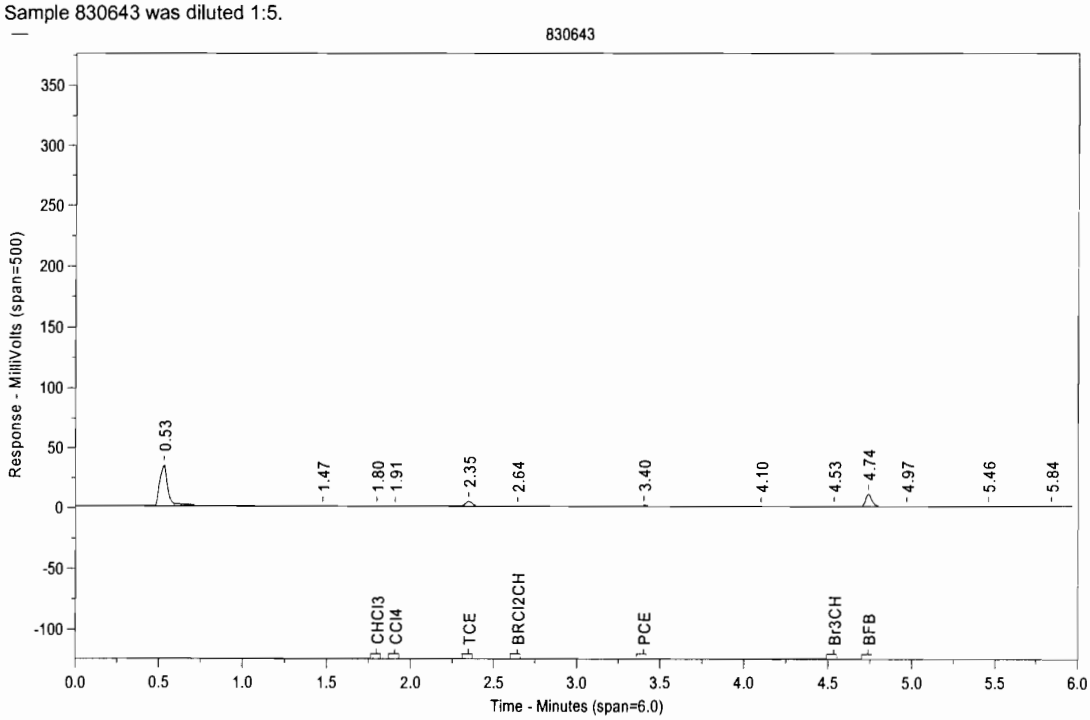


RT	Name	Amount	Height	RT	Name	Amount	Height
0.32		0	2019.99	4.03	EthBenz	1	114.32
0.48		0	5855.90	4.12	M/PXyl	0	267.34
0.66		0	666935.13	4.50		0	87.15
0.98		0	590.26	4.69	BFB	2413	49532.87
1.09	MeCl2	5	195.17	4.86		0	1531.23
2.19		0	57.36	4.95	Decane	11	580.96
2.29	TCE (E)	113	1100.63	5.12		0	62.23
2.48	aaaTFT	1965	49553.24	5.38		0	102.20
3.02	Toluene	3	107.16	5.61		0	605.75
3.33	PCE (E)	13	146.22	5.85		0	1225.24
3.70		0	83.28				

Surrogate aaaTFT recovery is 98.3%
Surrogate BFB recovery is 120.6%

Sample Name: 830643

Data File: C:\CPSpirit5\Data2\VoaE051510.0086.RAW
Acquired from Instrument 1 on 5/24/10 8:40:59 AM by
Sample 830643 was diluted 1:5.

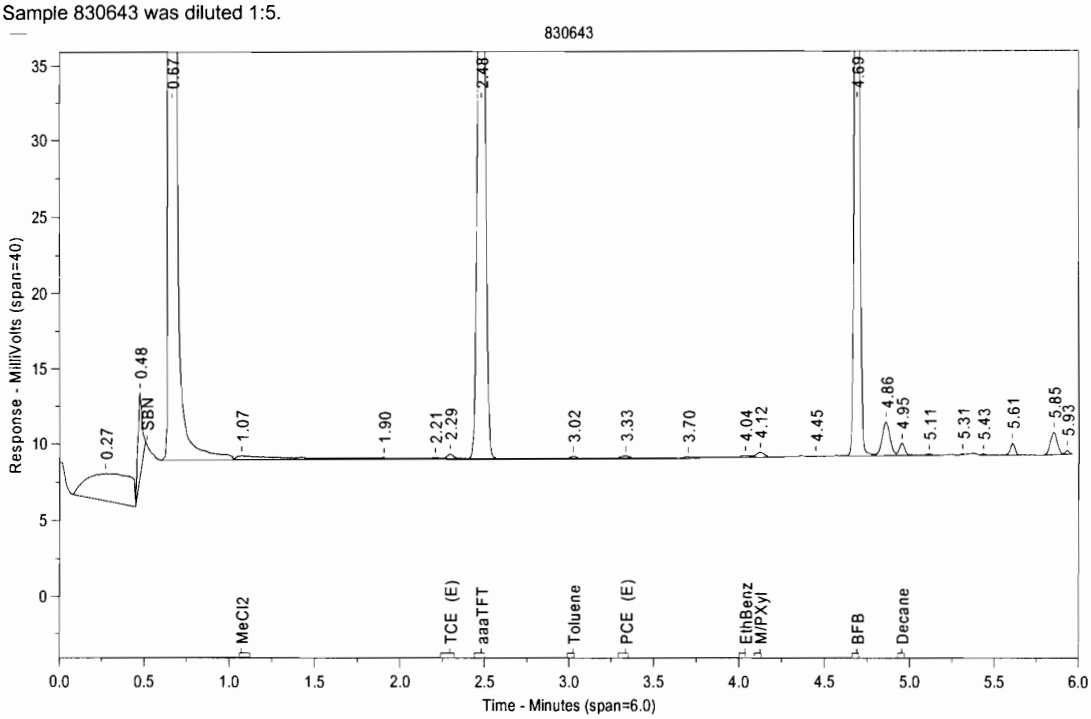


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	34324.55	4.10		0	23.56
1.47		0	59.58	4.53	Br3CH	0	38.16
1.80	CHCl3	0	46.78	4.74	BFB	2474	10411.16
1.91	CCl4	0	70.12	4.97		0	28.50
2.35	TCE	34	4022.84	5.46		0	30.42
2.64	BRCl2CH	0	60.06	5.84		0	41.84
3.40	PCE	2	852.17				

Surrogate BFB recovery is 123.7%

Sample Name: 830643

Data File: C:\CPSpirit5\Data2\VoaF051510.0086.RAW
Acquired from Instrument 1 on 5/24/10 8:40:59 AM by
Sample 830643 was diluted 1:5.

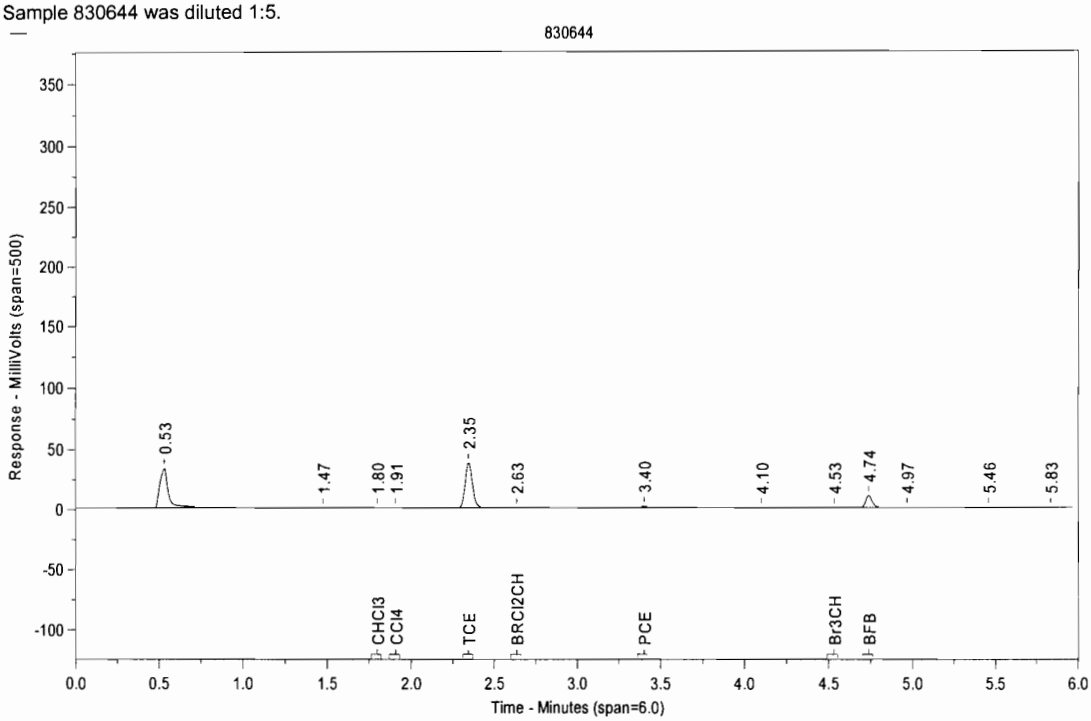


RT	Name	Amount	Height	RT	Name	Amount	Height
0.27		0	1779.80	4.12	M/PXyl	1	326.59
0.48		0	5710.93	4.45		0	48.89
0.67		0	700616.25	4.69	BFB	2522	51773.07
1.07	MeCl2	14	247.92	4.86		0	2196.38
1.90		0	70.62	4.95	Decane	15	815.71
2.21		0	62.26	5.11		0	84.93
2.29	TCE (E)	30	300.22	5.31		0	85.73
2.48	aaaTFT	2017	50856.51	5.43		0	79.42
3.02	Toluene	3	127.73	5.61		0	792.36
3.33	PCE (E)	13	153.39	5.85		0	1478.77
3.70		0	125.16	5.93		0	244.28
4.04	EthBenz	1	113.58				

Surrogate aaaTFT recovery is 100.8%
Surrogate BFB recovery is 126.1%

Sample Name: 830644

Data File: C:\CPSpirit5\Data2\VoaE051510.0087.RAW
Acquired from Instrument 1 on 5/24/10 8:52:10 AM by
Sample 830644 was diluted 1:5.

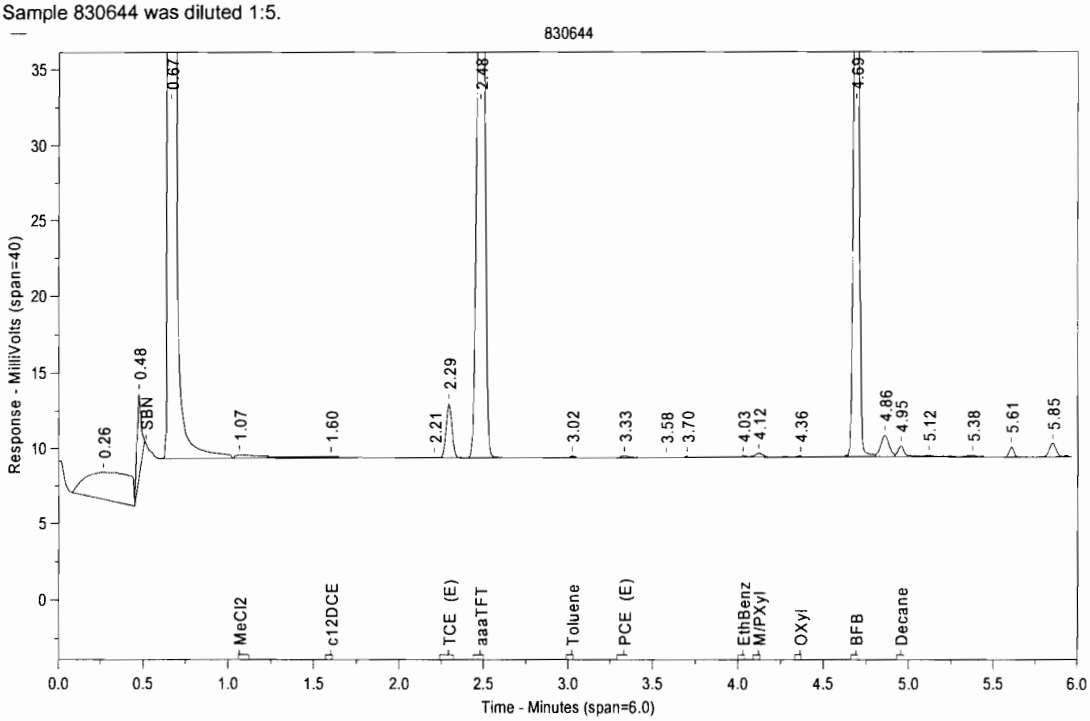


RT	Name	Amount	Height	RT	Name	Amount	Height
0.53		0	33285.08	4.10		0	23.76
1.47		0	62.96	4.53	Br3CH	0	33.08
1.80	CHCl3	0	47.49	4.74	BFB	2423	10222.19
1.91	CCl4	0	73.20	4.97		0	26.24
2.35	TCE	411	37918.31	5.46		0	28.92
2.63	BRCl2CH	0	47.41	5.83		0	37.97
3.40	PCE	3	1165.53				

Surrogate BFB recovery is 121.1%

Sample Name: 830644

Data File: C:\CPSpirit5\Data2\VoaF051510.0087.RAW
Acquired from Instrument 1 on 5/24/10 8:52:10 AM by
Sample 830644 was diluted 1:5.



RT	Name	Amount	Height	RT	Name	Amount	Height
0.26		0	1819.08	3.70		0	110.51
0.48		0	5640.37	4.03	EthBenz	1	103.84
0.67		0	671882.56	4.12	M/PXyl	0	277.66
1.07	MeCl2	11	230.46	4.36	OXyl	-1	60.47
1.60	c12DCE	6	100.53	4.69	BFB	2473	50764.52
2.21		0	58.94	4.86		0	1426.36
2.29	TCE (E)	372	3614.70	4.95	Decane	14	722.75
2.48	aaaTFT	1983	50009.02	5.12		0	108.81
3.02	Toluene	3	107.69	5.38		0	105.09
3.33	PCE (E)	13	142.85	5.61		0	688.88
3.58		0	43.89	5.85		0	926.65

Surrogate aaaTFT recovery is 99.2%
Surrogate BFB recovery is 123.6%

Sample Handling

UPS Internet Shipping: View/Print Label

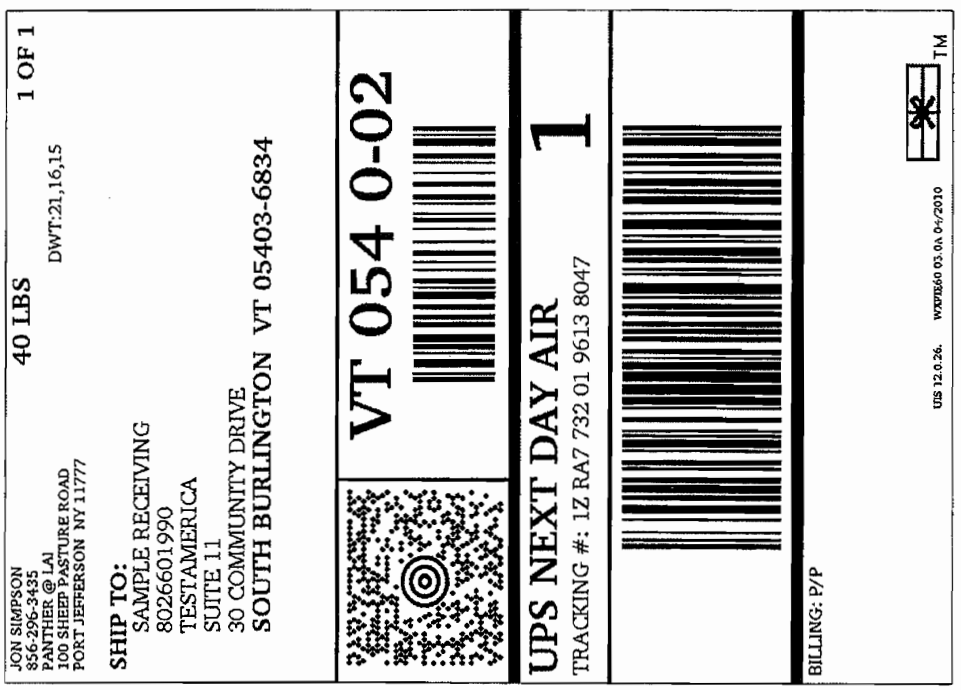
1. **Print the label(s):** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

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 Services℠ (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



ORIGIN ID: SAVA
BERNARD KIRKLAND
TEST AMERICA
5102 LAROCHE AVE

SAVANNAH, GA 31404
UNITED STATES US

Ship Date: 21MAY10
ActWgt: 10.3 LB
CAD: 0622727/CAFE2452

TO SAMPLE CUSTODY
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
STE 11
SOUTH BURLINGTON, VT 05403

(802) 660-1990

FedEx Express

(US)

Trk# 4361 4275 5783

PRIORITY OVERNIGHT

30 COMMUNITY DRIVE

America
IN ENVIRONMENTAL TESTING

PLACE THIS LABEL ON PACKAGE
NEXT TO THE SHIPPING LABEL

TestAmerica Burlington

SAMPLE RECEIPT & LOG IN CHECKLIST

Client: PANTRA	Date Received: 05/21/10	Log In Date: 05/21/10	
ETR: 137390	Time Received: 1034	By:	
SDG: NY137390	Received By: CK	Signature:	
Project: 24000	# Coolers Received: 1	PM Signature:	
Samples Delivered By: X Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 5/28/10	
List Air bill Number(s) or Attach a photocopy of the Air Bill:			

COOLER SCREEN	YES	NO	NA	COMMENTS
There is *no* evidence to indicate tampering	X			
Custody seals are present and intact	X			
Custody seal numbers are present		X		
If yes, list custody seal numbers:				

Thermal Preservation Type: X Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)

IR Gun ID: 96 Correction Factor (CF) = −2 °C

Cooler 1: 1.8	°C	Cooler 6	°C	Cooler 11	°C	Cooler 16	°C
Cooler 2:	°C	Cooler 7	°C	Cooler 12	°C	Cooler 17	°C
Cooler 3:	°C	Cooler 8	°C	Cooler 13	°C	Cooler 18	°C
Cooler 4:	°C	Cooler 9	°C	Cooler 14	°C	Cooler 19	°C
Cooler 5	°C	Cooler 10	°C	Cooler 15	°C	Cooler 20	°C

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	X			
Legible sample labels are affixed to each container	X			

CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:				
• Sample ID / Sample Description	X			
• Date of Sample Collection	X			
• Time of Sample Collection	X			
• Identification of the Sampler	X			
• Preservation Type		X		
• Requested Tests Method(s)	X			
• Necessary Signatures	X			
Internal Chain of Custody (ICOC) Required		X		
If yes to above, ICOC Record initiated for every Worksheet			X	

SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC		X		See below
Appropriate sample containers were received for the tests requested	X			
Samples were received within holding time	X			
Sufficient amount of sample is provided for requested analyses	X			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)		X		See below
Appropriate preservatives were used for the tests requested	X			
pH of inorganic samples checked and is within method specification	X		X	w 05/21/10
If no, attach Inorganic Sample pH Adjustment Form			X	

ANOMALY / NCR SUMMARY

Sample label for Trip Blank lists date of 05/10/10, no date listed on COC, sample logged in 05/17/10 to coincide w/ sampling event.

Sample ISCO MW01, MW04, 2 w/ bottles received w/ 1 of 3 40mL HCl preserved glass vials w/ air bubble over 1/4".

Sample ISCO 2 w/ bottle received w/o second 40mL HNO3 preserved glass vial to be overnighted 05/21, was logged as if 2 had arrived per PM.

FSR002:12.19.07:3
TestAmerica Burlington

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

Client: PANTRA	Date Received: 05/22/10	Log In Date:	
ETR: 137390	Time Received: 0930	By:	
SDG: NY137390	Received By: CK	Signature:	
Project: 29060	# Coolers Received: 1	PM Signature:	
Samples Delivered By: X Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 5/28/10	
List Air bill Number(s) or Attach a photocopy of the Air Bill:			

COOLER SCREEN	YES	NO	NA	COMMENTS
There is *no* evidence to indicate tampering	X			
Custody seals are present and intact	X			
Custody seal numbers are present	X			
If yes, list custody seal numbers: 6800491				

Thermal Preservation Type: X Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)

IR Gun ID: 96 Correction Factor (CF) = -2 °C

Cooler 1: 2.3	°C	Cooler 6	°C	Cooler 11	°C	Cooler 16	°C
Cooler 2:	°C	Cooler 7	°C	Cooler 12	°C	Cooler 17	°C
Cooler 3:	°C	Cooler 8	°C	Cooler 13	°C	Cooler 18	°C
Cooler 4:	°C	Cooler 9	°C	Cooler 14	°C	Cooler 19	°C
Cooler 5	°C	Cooler 10	°C	Cooler 15	°C	Cooler 20	°C

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	X			
Legible sample labels are affixed to each container	X			

CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:				
• Sample ID / Sample Description	X			
• Date of Sample Collection	X			
• Time of Sample Collection	X			
• Identification of the Sampler	X			
• Preservation Type	X			
• Requested Tests Method(s)	X			
• Necessary Signatures	X			
Internal Chain of Custody (ICOC) Required		X		
If yes to above, ICOC Record initiated for every Worksheet			X	

SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC	X			
Appropriate sample containers were received for the tests requested	X			
Samples were received within holding time	X			
Sufficient amount of sample is provided for requested analyses	X			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)			X	
Appropriate preservatives were used for the tests requested	X			
pH of inorganic samples checked and is within method specification	X			
If no, attach Inorganic Sample pH Adjustment Form			X	

ANOMALY / NCR SUMMARY

FSR002:12.19.07:3
TestAmerica Burlington



Subcontract Data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-57874-1

SDG Number: 137390

Job Description: Lawrence Aviation Site 5/17-5/20/10

For:
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Attention: Ms. Sara Goff



Approved for release.
Lidya Gulizia
Project Manager I
5/28/2010 12:56 PM

Lidya Gulizia
Project Manager I
lidya.gulizia@testamericainc.com
05/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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Receipt
All samples were received in good condition within temperature requirements.

General Chemistry
Method(s) 300.0: The following samples ISCO IW05 (680-57874-3), ISCO IW06 (680-57874-4) were quenched with ascorbic acid to remove the potassium permanganate in order to analyze the samples by Ion Chromatography.

No other analytical or quality issues were noted.

Comments
No additional comments.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-57874-1	ISCO MW01	Water	05/17/2010 1600	05/21/2010 1017
680-57874-2	ISCO MW04	Water	05/17/2010 0930	05/21/2010 1017
680-57874-3	ISCO IW05	Water	05/20/2010 1100	05/21/2010 1017
680-57874-4	ISCO IW06	Water	05/18/2010 1200	05/21/2010 1017
680-57874-5	ISCO IW16	Water	05/17/2010 1030	05/21/2010 1017

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Description	Lab Location	Method	Preparation Method
Matrix: Water			
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 SAV = TestAmerica Savannah

Method References:

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",

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method	Analyst	Analyst ID
MCAWW 300.0	Brazell, Connie	CB
SM SM 2320B	Vasquez, Juana	JV
SM SM 2540C	Jackson, Michelle S	MSJ
SM SM 2540C	Robinson, Tiffany	TR
SM SM 2540D	Jackson, Michelle S	MSJ
SM SM 2540D	Robinson, Tiffany	TR
SM SM 5310B	Blackshear, Kim	KB

General Chemistry

Client Sample ID: **ISCO MW01**

Lab Sample ID: 680-57874-1
Client Matrix: Water

Date Sampled: 05/17/2010 1600
Date Received: 05/21/2010 1017

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	35		mg/L	1.0	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 1934						
Sulfate	25		mg/L	2.6	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 1934						
Total Organic Carbon	5.3		mg/L	0.50	1.0	1.0	SM 5310B
Analysis Batch: 680-169945	Date Analyzed: 05/26/2010 1155						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	27		mg/L	5.0	5.0	1.0	SM 2320B
Analysis Batch: 680-169554	Date Analyzed: 05/24/2010 1310						
Total Dissolved Solids	190		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 680-169572	Date Analyzed: 05/24/2010 1708						
Total Suspended Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540D
Analysis Batch: 680-169440	Date Analyzed: 05/23/2010 0948						

General Chemistry

Client Sample ID: **ISCO MW04**

Lab Sample ID: 680-57874-2
Client Matrix: Water

Date Sampled: 05/17/2010 0930
Date Received: 05/21/2010 1017

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	32		mg/L	1.0	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 1947						
Sulfate	31		mg/L	2.6	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 1947						
Total Organic Carbon	3.5		mg/L	0.50	1.0	1.0	SM 5310B
Analysis Batch: 680-169945	Date Analyzed: 05/26/2010 1155						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	21		mg/L	5.0	5.0	1.0	SM 2320B
Analysis Batch: 680-169554	Date Analyzed: 05/24/2010 1316						
Total Dissolved Solids	270		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 680-169572	Date Analyzed: 05/24/2010 1708						
Total Suspended Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540D
Analysis Batch: 680-169440	Date Analyzed: 05/23/2010 0948						

General Chemistry

Client Sample ID: **ISCO IW05**

Lab Sample ID: 680-57874-3
Client Matrix: Water

Date Sampled: 05/20/2010 1100
Date Received: 05/21/2010 1017

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	12		mg/L	1.0	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 1959						
Sulfate	15		mg/L	2.6	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 1959						
Total Organic Carbon	8.8		mg/L	0.50	1.0	1.0	SM 5310B
Analysis Batch: 680-169945	Date Analyzed: 05/26/2010 1155						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	220		mg/L	5.0	5.0	1.0	SM 2320B
Analysis Batch: 680-169554	Date Analyzed: 05/24/2010 1324						
Total Dissolved Solids	580		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 680-169779	Date Analyzed: 05/26/2010 1117						
Total Suspended Solids	6.5		mg/L	5.0	5.0	1.0	SM 2540D
Analysis Batch: 680-169578	Date Analyzed: 05/24/2010 1954						

General Chemistry

Client Sample ID: **ISCO IW06**

Lab Sample ID: 680-57874-4
Client Matrix: Water

Date Sampled: 05/18/2010 1200
Date Received: 05/21/2010 1017

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	24		mg/L	1.0	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 2011						
Sulfate	32		mg/L	2.6	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 2011						
Total Organic Carbon	3.5		mg/L	0.50	1.0	1.0	SM 5310B
Analysis Batch: 680-169945	Date Analyzed: 05/26/2010 1155						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	54		mg/L	5.0	5.0	1.0	SM 2320B
Analysis Batch: 680-169554	Date Analyzed: 05/24/2010 1330						
Total Dissolved Solids	640		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 680-169572	Date Analyzed: 05/24/2010 1708						
Total Suspended Solids	5.0		mg/L	5.0	5.0	1.0	SM 2540D
Analysis Batch: 680-169532	Date Analyzed: 05/24/2010 1350						

General Chemistry

Client Sample ID: **ISCO IW16**

Lab Sample ID: 680-57874-5
Client Matrix: Water

Date Sampled: 05/17/2010 1030
Date Received: 05/21/2010 1017

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chloride	32		mg/L	1.0	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 2024						
Sulfate	30		mg/L	2.6	5.0	5.0	300.0
Analysis Batch: 680-169882	Date Analyzed: 05/26/2010 2024						
Total Organic Carbon	2.2		mg/L	0.50	1.0	1.0	SM 5310B
Analysis Batch: 680-169945	Date Analyzed: 05/26/2010 1155						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Alkalinity	27		mg/L	5.0	5.0	1.0	SM 2320B
Analysis Batch: 680-169554	Date Analyzed: 05/24/2010 1335						
Total Dissolved Solids	260		mg/L	5.0	5.0	1.0	SM 2540C
Analysis Batch: 680-169572	Date Analyzed: 05/24/2010 1708						
Total Suspended Solids	5.0	U	mg/L	5.0	5.0	1.0	SM 2540D
Analysis Batch: 680-169440	Date Analyzed: 05/23/2010 0948						

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method Blank - Batch: 680-169882

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 680-169882/4
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 05/26/2010 1820
Date Prepared: N/A

Analysis Batch: 680-169882
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0044.d
Initial Weight/Volume: 1.0 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 - Batch: 680-169882

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 680-169882/5
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 05/26/2010 1832
Date Prepared: N/A

Analysis Batch: 680-169882
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0045.d
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	51.5	103	90 - 110	
Sulfate	50.0	50.4	101	90 - 110	

Matrix Spike - Batch: 680-169882

Method: 300.0
Preparation: N/A

Lab Sample ID: 680-57874-5
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 05/26/2010 2036
Date Prepared: N/A

Analysis Batch: 680-169882
Prep Batch: N/A
Units: mg/L

Instrument ID: ICG
Lab File ID: 0055.d
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 5 mL
1 uL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	32	50.0	78.3	93	90 - 110	
Sulfate	30	50.0	74.8	90	90 - 110	

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method Blank - Batch: 680-169554

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 680-169554/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1254
Date Prepared: N/A

Analysis Batch: 680-169554
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: alk052410a.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL	RL
Alkalinity	5.0	U	5.0	5.0

Lab Control Sample - Batch: 680-169554

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 680-169554/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1304
Date Prepared: N/A

Analysis Batch: 680-169554
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: alk052410a.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	576	563	98	80 - 120	

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method Blank - Batch: 680-169572

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 680-169572/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1708
Date Prepared: N/A

Analysis Batch: 680-169572
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: 680-169572

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 680-169572/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1708
Date Prepared: N/A

Analysis Batch: 680-169572
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 680-169572/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1708
Date Prepared: N/A

Analysis Batch: 680-169572
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. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	106	108	80 - 120	2	25		

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-169572

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 680-169572/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1708
Date Prepared: N/A

Units: mg/L

LCSD Lab Sample ID: LCSD 680-169572/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1708
Date Prepared: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	475	475	504	514

Duplicate - Batch: 680-169572

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 680-57874-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1708
Date Prepared: N/A

Analysis Batch: 680-169572
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	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	190	195	2	25	

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method Blank - Batch: 680-169779

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 680-169779/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/26/2010 1117
Date Prepared: N/A

Analysis Batch: 680-169779
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: 680-169779

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID: LCS 680-169779/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/26/2010 1117
Date Prepared: N/A

Analysis Batch: 680-169779
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 680-169779/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/26/2010 1117
Date Prepared: N/A

Analysis Batch: 680-169779
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. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Dissolved Solids	101	96	80 - 120	5	25		

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-169779

Method: SM 2540C
Preparation: N/A

LCS Lab Sample ID:	LCS 680-169779/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 680-169779/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	05/26/2010 1117			Date Analyzed:	05/26/2010 1117
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Dissolved Solids	475	475	480	456

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method Blank - Batch: 680-169440

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 680-169440/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/23/2010 0948
Date Prepared: N/A

Analysis Batch: 680-169440
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: 680-169440

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID: LCS 680-169440/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/23/2010 0948
Date Prepared: N/A

Analysis Batch: 680-169440
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 680-169440/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/23/2010 0948
Date Prepared: N/A

Analysis Batch: 680-169440
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. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Suspended Solids	94	95	80 - 120	2	25		

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-169440

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID:	LCS 680-169440/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 680-169440/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	05/23/2010 0948			Date Analyzed:	05/23/2010 0948
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	93.5	95.0

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method Blank - Batch: 680-169532

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 680-169532/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1350
Date Prepared: N/A

Analysis Batch: 680-169532
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: 680-169532

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID: LCS 680-169532/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1350
Date Prepared: N/A

Analysis Batch: 680-169532
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 680-169532/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1350
Date Prepared: N/A

Analysis Batch: 680-169532
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. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Suspended Solids	100	99	80 - 120	1	25		

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-169532

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID:	LCS 680-169532/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 680-169532/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	05/24/2010 1350			Date Analyzed:	05/24/2010 1350
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	100	99.0

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method Blank - Batch: 680-169578

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 680-169578/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1954
Date Prepared: N/A

Analysis Batch: 680-169578
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: 680-169578

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID: LCS 680-169578/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1954
Date Prepared: N/A

Analysis Batch: 680-169578
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 680-169578/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/24/2010 1954
Date Prepared: N/A

Analysis Batch: 680-169578
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. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Suspended Solids	96	98	80 - 120	1	25		

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-169578

Method: SM 2540D
Preparation: N/A

LCS Lab Sample ID:	LCS 680-169578/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 680-169578/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	05/24/2010 1954			Date Analyzed:	05/24/2010 1954
Date Prepared:	N/A			Date Prepared:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Suspended Solids	100	100	96.5	97.5

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Method Blank - Batch: 680-169945

Method: SM 5310B
Preparation: N/A

Lab Sample ID: MB 680-169945/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/26/2010 1155
Date Prepared: N/A

Analysis Batch: 680-169945
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
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: 680-169945

Method: SM 5310B
Preparation: N/A

Lab Sample ID: LCS 680-169945/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/26/2010 1155
Date Prepared: N/A

Analysis Batch: 680-169945
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	20.0	19.0	95	80 - 120	

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

Lab Section	Qualifier	Description
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-169440					
LCS 680-169440/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-169440/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-169440/1	Method Blank	T	Water	SM 2540D	
680-57874-1	ISCO MW01	T	Water	SM 2540D	
680-57874-2	ISCO MW04	T	Water	SM 2540D	
680-57874-5	ISCO IW16	T	Water	SM 2540D	
Analysis Batch:680-169532					
LCS 680-169532/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-169532/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-169532/1	Method Blank	T	Water	SM 2540D	
680-57874-4	ISCO IW06	T	Water	SM 2540D	
Analysis Batch:680-169554					
LCS 680-169554/6	Lab Control Sample	T	Water	SM 2320B	
MB 680-169554/5	Method Blank	T	Water	SM 2320B	
680-57874-1	ISCO MW01	T	Water	SM 2320B	
680-57874-2	ISCO MW04	T	Water	SM 2320B	
680-57874-3	ISCO IW05	T	Water	SM 2320B	
680-57874-4	ISCO IW06	T	Water	SM 2320B	
680-57874-5	ISCO IW16	T	Water	SM 2320B	
Analysis Batch:680-169572					
LCS 680-169572/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 680-169572/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 680-169572/1	Method Blank	T	Water	SM 2540C	
680-57874-1	ISCO MW01	T	Water	SM 2540C	
680-57874-1DU	Duplicate	T	Water	SM 2540C	
680-57874-2	ISCO MW04	T	Water	SM 2540C	
680-57874-4	ISCO IW06	T	Water	SM 2540C	
680-57874-5	ISCO IW16	T	Water	SM 2540C	
Analysis Batch:680-169578					
LCS 680-169578/2	Lab Control Sample	T	Water	SM 2540D	
LCSD 680-169578/3	Lab Control Sample Duplicate	T	Water	SM 2540D	
MB 680-169578/1	Method Blank	T	Water	SM 2540D	
680-57874-3	ISCO IW05	T	Water	SM 2540D	
Analysis Batch:680-169779					
LCS 680-169779/2	Lab Control Sample	T	Water	SM 2540C	
LCSD 680-169779/3	Lab Control Sample Duplicate	T	Water	SM 2540C	
MB 680-169779/1	Method Blank	T	Water	SM 2540C	
680-57874-3	ISCO IW05	T	Water	SM 2540C	

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
Sdg Number: 137390

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-169882					
LCS 680-169882/5	Lab Control Sample	T	Water	300.0	
MB 680-169882/4	Method Blank	T	Water	300.0	
680-57874-1	ISCO MW01	T	Water	300.0	
680-57874-2	ISCO MW04	T	Water	300.0	
680-57874-3	ISCO IW05	T	Water	300.0	
680-57874-4	ISCO IW06	T	Water	300.0	
680-57874-5	ISCO IW16	T	Water	300.0	
680-57874-5MS	Matrix Spike	T	Water	300.0	
Analysis Batch:680-169945					
LCS 680-169945/2	Lab Control Sample	T	Water	SM 5310B	
MB 680-169945/1	Method Blank	T	Water	SM 5310B	
680-57874-1	ISCO MW01	T	Water	SM 5310B	
680-57874-2	ISCO MW04	T	Water	SM 5310B	
680-57874-3	ISCO IW05	T	Water	SM 5310B	
680-57874-4	ISCO IW06	T	Water	SM 5310B	
680-57874-5	ISCO IW16	T	Water	SM 5310B	

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
SDG: 137390

Laboratory Chronicle

Lab ID: 680-57874-1 **Client ID:** ISCO MW01

Sample Date/Time: 05/17/2010 16:00 Received Date/Time: 05/21/2010 10:17

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57874-B-1		680-169882		05/26/2010 19:34	5	TAL SAV	CB
A:SM 2320B	680-57874-C-1		680-169554		05/24/2010 13:10	1	TAL SAV	JV
A:SM 2540C	680-57874-A-1		680-169572		05/24/2010 17:08	1	TAL SAV	TR
A:SM 2540D	680-57874-C-1		680-169440		05/23/2010 09:48	1	TAL SAV	TR
A:SM 5310B	680-57874-D-1		680-169945		05/26/2010 11:55	1	TAL SAV	KB

Lab ID: 680-57874-1 DU **Client ID:** ISCO MW01

Sample Date/Time: 05/17/2010 16:00 Received Date/Time: 05/21/2010 10:17

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2540C	680-57874-A-1 DU		680-169572		05/24/2010 17:08	1	TAL SAV	TR

Lab ID: 680-57874-2 **Client ID:** ISCO MW04

Sample Date/Time: 05/17/2010 09:30 Received Date/Time: 05/21/2010 10:17

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57874-B-2		680-169882		05/26/2010 19:47	5	TAL SAV	CB
A:SM 2320B	680-57874-C-2		680-169554		05/24/2010 13:16	1	TAL SAV	JV
A:SM 2540C	680-57874-A-2		680-169572		05/24/2010 17:08	1	TAL SAV	TR
A:SM 2540D	680-57874-C-2		680-169440		05/23/2010 09:48	1	TAL SAV	TR
A:SM 5310B	680-57874-D-2		680-169945		05/26/2010 11:55	1	TAL SAV	KB

Lab ID: 680-57874-3 **Client ID:** ISCO IW05

Sample Date/Time: 05/20/2010 11:00 Received Date/Time: 05/21/2010 10:17

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57874-B-3		680-169882		05/26/2010 19:59	5	TAL SAV	CB
A:SM 2320B	680-57874-C-3		680-169554		05/24/2010 13:24	1	TAL SAV	JV
A:SM 2540C	680-57874-A-3		680-169779		05/26/2010 11:17	1	TAL SAV	MSJ
A:SM 2540D	680-57874-A-3		680-169578		05/24/2010 19:54	1	TAL SAV	TR
A:SM 5310B	680-57874-D-3		680-169945		05/26/2010 11:55	1	TAL SAV	KB

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
SDG: 137390

Laboratory Chronicle

Lab ID: 680-57874-4 **Client ID:** ISCO IW06

Sample Date/Time: 05/18/2010 12:00 Received Date/Time: 05/21/2010 10:17

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57874-B-4		680-169882		05/26/2010 20:11	5	TAL SAV	CB
A:SM 2320B	680-57874-C-4		680-169554		05/24/2010 13:30	1	TAL SAV	JV
A:SM 2540C	680-57874-A-4		680-169572		05/24/2010 17:08	1	TAL SAV	TR
A:SM 2540D	680-57874-A-4		680-169532		05/24/2010 13:50	1	TAL SAV	MSJ
A:SM 5310B	680-57874-D-4		680-169945		05/26/2010 11:55	1	TAL SAV	KB

Lab ID: 680-57874-5 **Client ID:** ISCO IW16

Sample Date/Time: 05/17/2010 10:30 Received Date/Time: 05/21/2010 10:17

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57874-B-5		680-169882		05/26/2010 20:24	5	TAL SAV	CB
A:SM 2320B	680-57874-C-5		680-169554		05/24/2010 13:35	1	TAL SAV	JV
A:SM 2540C	680-57874-A-5		680-169572		05/24/2010 17:08	1	TAL SAV	TR
A:SM 2540D	680-57874-A-5		680-169440		05/23/2010 09:48	1	TAL SAV	TR
A:SM 5310B	680-57874-D-5		680-169945		05/26/2010 11:55	1	TAL SAV	KB

Lab ID: 680-57874-5 MS **Client ID:** ISCO IW16

Sample Date/Time: 05/17/2010 10:30 Received Date/Time: 05/21/2010 10:17

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	680-57874-B-5 MS		680-169882		05/26/2010 20:36	5	TAL SAV	CB

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
A:300.0	MB 680-169882/4		680-169882		05/26/2010 18:20	5	TAL SAV	CB
A:SM 2320B	MB 680-169554/5		680-169554		05/24/2010 12:54	1	TAL SAV	JV
A:SM 2540C	MB 680-169572/1		680-169572		05/24/2010 17:08	1	TAL SAV	TR
A:SM 2540C	MB 680-169779/1		680-169779		05/26/2010 11:17	1	TAL SAV	MSJ
A:SM 2540D	MB 680-169440/1		680-169440		05/23/2010 09:48	1	TAL SAV	TR
A:SM 2540D	MB 680-169532/1		680-169532		05/24/2010 13:50	1	TAL SAV	MSJ
A:SM 2540D	MB 680-169578/1		680-169578		05/24/2010 19:54	1	TAL SAV	TR
A:SM 5310B	MB 680-169945/1		680-169945		05/26/2010 11:55	1	TAL SAV	KB

Client: TestAmerica Laboratories, Inc.

Job Number: 680-57874-1
SDG: 137390

Laboratory Chronicle

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
A:300.0	LCS 680-169882/5		680-169882		05/26/2010 18:32	5	TAL SAV	CB
A:SM 2320B	LCS 680-169554/6		680-169554		05/24/2010 13:04	1	TAL SAV	JV
A:SM 2540C	LCS 680-169572/2		680-169572		05/24/2010 17:08	1	TAL SAV	TR
A:SM 2540C	LCS 680-169779/2		680-169779		05/26/2010 11:17	1	TAL SAV	MSJ
A:SM 2540D	LCS 680-169440/2		680-169440		05/23/2010 09:48	1	TAL SAV	TR
A:SM 2540D	LCS 680-169532/2		680-169532		05/24/2010 13:50	1	TAL SAV	MSJ
A:SM 2540D	LCS 680-169578/2		680-169578		05/24/2010 19:54	1	TAL SAV	TR
A:SM 5310B	LCS 680-169945/2		680-169945		05/26/2010 11:55	1	TAL SAV	KB

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:SM 2540C	LCSD 680-169572/3		680-169572		05/24/2010 17:08	1	TAL SAV	TR
A:SM 2540C	LCSD 680-169779/3		680-169779		05/26/2010 11:17	1	TAL SAV	MSJ
A:SM 2540D	LCSD 680-169440/3		680-169440		05/23/2010 09:48	1	TAL SAV	TR
A:SM 2540D	LCSD 680-169532/3		680-169532		05/24/2010 13:50	1	TAL SAV	MSJ
A:SM 2540D	LCSD 680-169578/3		680-169578		05/24/2010 19:54	1	TAL SAV	TR

Lab References:
TAL SAV = TestAmerica Savannah

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57874-1

SDG No.: 137390

Project: Lawrence Aviation Site 5/17-5/20/10

Client Sample ID	Lab Sample ID
ISCO MW01	680-57874-1
ISCO MW04	680-57874-2
ISCO IW05	680-57874-3
ISCO IW06	680-57874-4
ISCO IW16	680-57874-5

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO MW01 Lab Sample ID: 680-57874-1

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/17/2010 16:00

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	35	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	25	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	5.3	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO MW01 Lab Sample ID: 680-57874-1

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/17/2010 16:00

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	27	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	190	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO MW04 Lab Sample ID: 680-57874-2

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/17/2010 09:30

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	32	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	31	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	3.5	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO MW04 Lab Sample ID: 680-57874-2

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/17/2010 09:30

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	21	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	270	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L	U		1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW05 Lab Sample ID: 680-57874-3

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/20/2010 11:00

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	12	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	15	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	8.8	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW05 Lab Sample ID: 680-57874-3

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/20/2010 11:00

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	220	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	580	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	6.5	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW06 Lab Sample ID: 680-57874-4

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/18/2010 12:00

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	24	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	32	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	3.5	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW06 Lab Sample ID: 680-57874-4

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/18/2010 12:00

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	54	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	640	5.0		mg/L			1	SM 2540C
	Total Suspended Solids	5.0	5.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW16 Lab Sample ID: 680-57874-5

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/17/2010 10:30

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
16887-00-6	Chloride	32	5.0	1.0	mg/L			5	300.0
14808-79-8	Sulfate	30	5.0	2.6	mg/L			5	300.0
7440-44-0	Total Organic Carbon	2.2	1.0	0.50	mg/L			1	SM 5310B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ISCO IW16 Lab Sample ID: 680-57874-5

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG ID.: 137390

Matrix: Water Date Sampled: 05/17/2010 10:30

Reporting Basis: WET Date Received: 05/21/2010 10:17

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
	Alkalinity	27	5.0		mg/L			1	SM 2320B
	Total Dissolved Solids	260	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.: 680-57874-1

SDG No.: 137390

Analyst: CB Batch Start Date: 05/26/2010

Reporting Units: mg/L Analytical Batch No.: 169882

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
3	CCV	18:07	Chloride	51.4	50.0	103	90-110		Anion-4_00050
			Sulfate	48.6	50.0	97	90-110		Anion-4_00050
16	CCV	20:49	Chloride	51.6	50.0	103	90-110		Anion-4_00050
			Sulfate	48.2	50.0	96	90-110		Anion-4_00050
17	CCB	21:01	Chloride	5.0				U	
			Sulfate	5.0				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 169882	Date: 05/26/2010 18:20						
300.0	MB 680-169882/4	Chloride	5.0	U	mg/L	5.0	5
300.0	MB 680-169882/4	Sulfate	5.0	U	mg/L	5.0	5
Batch ID: 169554	Date: 05/24/2010 12:54						
SM 2320B	MB 680-169554/5	Alkalinity	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-169554/5	Bicarbonate Alkalinity as CaCO3	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-169554/5	Carbonate Alkalinity as CaCO3	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-169554/5	Hydroxide Alkalinity	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-169554/5	Carbon Dioxide, Free	5.0	U	mg/L	5.0	1
SM 2320B	MB 680-169554/5	Phenolphthalein Alkalinity	5.0	U	mg/L	5.0	1
Batch ID: 169572	Date: 05/24/2010 17:08						
SM 2540C	MB 680-169572/1	Total Dissolved Solids	5.0	U	mg/L	5.0	1
Batch ID: 169779	Date: 05/26/2010 11:17						
SM 2540C	MB 680-169779/1	Total Dissolved Solids	5.0	U	mg/L	5.0	1
Batch ID: 169440	Date: 05/23/2010 09:48						
SM 2540D	MB 680-169440/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 169532	Date: 05/24/2010 13:50						
SM 2540D	MB 680-169532/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 169578	Date: 05/24/2010 19:54						
SM 2540D	MB 680-169578/1	Total Suspended Solids	5.0	U	mg/L	5.0	1
Batch ID: 169945	Date: 05/26/2010 11:55						
SM 5310B	MB 680-169945/1	Total Organic Carbon	1.0	U	mg/L	1.0	1
SM 5310B	MB 680-169945/1	Total Carbon	1.0	U	mg/L	1.0	1
SM 5310B	MB 680-169945/1	Total Inorganic Carbon	1.0	U	mg/L	1.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 169882 Date: 05/26/2010 20:36											
300.0	680-57874-5	Chloride	32		mg/L						
300.0	680-57874-5 MS	Chloride	78.3		mg/L	50.0	93	90-110			
300.0	680-57874-5	Sulfate	30		mg/L						
300.0	680-57874-5 MS	Sulfate	74.8		mg/L	50.0	90	90-110			

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

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 169572	Date: 05/24/2010 17:08							
SM 2540C	ISCO MW01	680-57874-1	Total Dissolved Solids	190	mg/L			
SM 2540C	ISCO MW01	680-57874-1 DU	Total Dissolved Solids	195	mg/L	2	25	

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 169882	Date: 05/26/2010 18:32										
						LCS Source: Anion_ICV_00040					
300.0	LCS 680-169882/5	Chloride	51.5		mg/L	50.0	103	90-110			
300.0	LCS 680-169882/5	Sulfate	50.4		mg/L	50.0	101	90-110			
Batch ID: 169554	Date: 05/24/2010 13:04										
						LCS Source: Alk LCS_00055					
SM 2320B	LCS 680-169554/6	Alkalinity	563		mg/L	576	98	80-120			
Batch ID: 169572	Date: 05/24/2010 17:08										
						LCS Source: TS/TDS LCS_00086					
SM 2540C	LCS 680-169572/2	Total Dissolved Solids	504		mg/L	475	106	80-120	2	25	
Batch ID: 169779	Date: 05/26/2010 11:17										
						LCS Source: TS/TDS LCS_00086					
SM 2540C	LCS 680-169779/2	Total Dissolved Solids	480		mg/L	475	101	80-120	5	25	
Batch ID: 169440	Date: 05/23/2010 09:48										
						LCS Source: TSS LCS_00188					
SM 2540D	LCS 680-169440/2	Total Suspended Solids	93.5		mg/L	100	94	80-120	2	25	
Batch ID: 169532	Date: 05/24/2010 13:50										
						LCS Source: TSS LCS_00188					
SM 2540D	LCS 680-169532/2	Total Suspended Solids	100		mg/L	100	100	80-120	1	25	
Batch ID: 169578	Date: 05/24/2010 19:54										
						LCS Source: TSS LCS_00188					
SM 2540D	LCS 680-169578/2	Total Suspended Solids	96.5		mg/L	100	96	80-120	1	25	
Batch ID: 169945	Date: 05/26/2010 11:55										
						LCS Source: TOC LCS_00036					
SM 5310B	LCS 680-169945/2	Total Organic Carbon	19.0		mg/L	20.0	95	80-120			
SM 5310B	LCS 680-169945/2	Total Carbon	19.0		mg/L	20.0	95	80-120			
SM 5310B	LCS 680-169945/2	Total Inorganic Carbon	19.0		mg/L	20.0	95	80-120			

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.: 680-57874-1

SDG No.: 137390

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 169572	Date: 05/24/2010 17:08										
						LCSD Source: TS/TDS LCS_00086					
SM 2540C	LCSD 680-169572/3	Total Dissolved Solids	514		mg/L	475	108	80-120	2	25	
Batch ID: 169779	Date: 05/26/2010 11:17										
						LCSD Source: TS/TDS LCS_00086					
SM 2540C	LCSD 680-169779/3	Total Dissolved Solids	456		mg/L	475	96	80-120	5	25	
Batch ID: 169440	Date: 05/23/2010 09:48										
						LCSD Source: TSS LCS_00188					
SM 2540D	LCSD 680-169440/3	Total Suspended Solids	95.0		mg/L	100	95	80-120	2	25	
Batch ID: 169532	Date: 05/24/2010 13:50										
						LCSD Source: TSS LCS_00188					
SM 2540D	LCSD 680-169532/3	Total Suspended Solids	99.0		mg/L	100	99	80-120	1	25	
Batch ID: 169578	Date: 05/24/2010 19:54										
						LCSD Source: TSS LCS_00188					
SM 2540D	LCSD 680-169578/3	Total Suspended Solids	97.5		mg/L	100	98	80-120	1	25	

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57874-1

SDG Number: 137390

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
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57874-1

SDG Number: 137390

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	
Bicarbonate Alkalinity as CaCO3		5	
Carbon Dioxide, Free		5	
Carbonate Alkalinity as CaCO3		5	
Hydroxide Alkalinity		5	
Phenolphthalein Alkalinity		5	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57874-1

SDG Number: 137390

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
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-57874-1

SDG Number: 137390

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: 680-57874-1

SDG Number: 137390

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 Carbon		1	0.5
Total Inorganic Carbon		1	0.5
Total Organic Carbon		1	0.5

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Instrument ID: ICG Method: 300.0

Start Date: 05/26/2010 17:43 End Date: 05/26/2010 23:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				CL-	SO4																		
ZZZZZZ			17:43																				
ZZZZZZ			17:55																				
CCV 680-169882/3	5		18:07	X	X																		
MB 680-169882/4	5	T	18:20	X	X																		
LCS 680-169882/5	5	T	18:32	X	X																		
ZZZZZZ			18:45																				
ZZZZZZ			18:57																				
ZZZZZZ			19:09																				
ZZZZZZ			19:22																				
680-57874-1	5	T	19:34	X	X																		
680-57874-2	5	T	19:47	X	X																		
680-57874-3	5	T	19:59	X	X																		
680-57874-4	5	T	20:11	X	X																		
680-57874-5	5	T	20:24	X	X																		
680-57874-5 MS	5	T	20:36	X	X																		
CCV 680-169882/16	5		20:49	X	X																		
CCB 680-169882/17	5		21:01	X	X																		
ZZZZZZ			21:13																				
ZZZZZZ			21:26																				
ZZZZZZ			21:38																				
ZZZZZZ			21:51																				
ZZZZZZ			22:03																				
ZZZZZZ			22:15																				
ZZZZZZ			22:28																				
ZZZZZZ			22:40																				
ZZZZZZ			22:53																				
CCV 680-169882/27			23:05																				
CCB 680-169882/28			23:18																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Instrument ID: MANTECH Method: SM 2320B

Start Date: 05/24/2010 12:25 End Date: 05/24/2010 15:24

Lab Sample ID	D/F	Type	Time	Analytes																				
				Alk	AlkPhe	BALKCC	CarAlk	CO2Fr	OHAlk															
ZZZZZZ			12:25																					
ZZZZZZ			12:31																					
ZZZZZZ			12:42																					
ZZZZZZ			12:48																					
MB 680-169554/5	1	T	12:54	X	X	X	X	X	X															
LCS 680-169554/6	1	T	13:04	X	X	X	X	X	X															
680-57874-1	1	T	13:10	X	X	X	X	X	X															
680-57874-2	1	T	13:16	X	X	X	X	X	X															
680-57874-3	1	T	13:24	X	X	X	X	X	X															
680-57874-4	1	T	13:30	X	X	X	X	X	X															
680-57874-5	1	T	13:35	X	X	X	X	X	X															
ZZZZZZ			13:40																					
ZZZZZZ			13:46																					
ZZZZZZ			13:53																					
ZZZZZZ			13:59																					
ZZZZZZ			14:06																					
ZZZZZZ			14:09																					
ZZZZZZ			14:16																					
ZZZZZZ			14:23																					
ZZZZZZ			14:30																					
ZZZZZZ			14:36																					
ZZZZZZ			14:42																					
ZZZZZZ			14:48																					
ZZZZZZ			14:55																					
ZZZZZZ			15:02																					
ZZZZZZ			15:08																					
ZZZZZZ			15:15																					
ZZZZZZ			15:21																					
ZZZZZZ			15:24																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 05/24/2010 17:08 End Date: 05/24/2010 17:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				TDS																			
MB 680-169572/1	1	T	17:08	X																			
LCS 680-169572/2	1	T	17:08	X																			
LCSD 680-169572/3	1	T	17:08	X																			
680-57874-1	1	T	17:08	X																			
680-57874-1 DU	1	T	17:08	X																			
680-57874-2	1	T	17:08	X																			
680-57874-5	1	T	17:08	X																			
ZZZZZZ			17:08																				
680-57874-4	1	T	17:08	X																			
ZZZZZZ			17:08																				
ZZZZZZ			17:08																				
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Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Instrument ID: NOEQUIP Method: SM 2540C

Start Date: 05/26/2010 11:17 End Date: 05/26/2010 14:29

Lab Sample ID	D / F	Type	Time	Analytes																			
				TDS																			
MB 680-169779/1	1	T	11:17	X																			
LCS 680-169779/2	1	T	11:17	X																			
LCSD 680-169779/3	1	T	11:17	X																			
ZZZZZZ			11:17																				
ZZZZZZ			11:17																				
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ZZZZZZ			11:17																				
680-57874-3	1	T	11:17	X																			
ZZZZZZ			11:17																				
ZZZZZZ			14:29																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 05/23/2010 09:48 End Date: 05/23/2010 09:48

Lab Sample ID	D / F	Type	Time	Analytes																			
				TSS																			
MB 680-169440/1	1	T	09:48	X																			
LCS 680-169440/2	1	T	09:48	X																			
LCSD 680-169440/3	1	T	09:48	X																			
ZZZZZZ			09:48																				
ZZZZZZ			09:48																				
ZZZZZZ			09:48																				
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ZZZZZZ			09:48																				
680-57874-1	1	T	09:48	X																			
ZZZZZZ			09:48																				
680-57874-5	1	T	09:48	X																			
ZZZZZZ			09:48																				
ZZZZZZ			09:48																				
ZZZZZZ			09:48																				
680-57874-2	1	T	09:48	X																			
ZZZZZZ			09:48																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 05/24/2010 13:50 End Date: 05/24/2010 13:50

Lab Sample ID	D / F	Type	Time	Analytes																				
				TSS																				
MB 680-169532/1	1	T	13:50	X																				
LCS 680-169532/2	1	T	13:50	X																				
LCSD 680-169532/3	1	T	13:50	X																				
ZZZZZZ			13:50																					
ZZZZZZ			13:50																					
ZZZZZZ			13:50																					
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ZZZZZZ			13:50																					
ZZZZZZ			13:50																					
ZZZZZZ			13:50																					
680-57874-4	1	T	13:50	X																				
ZZZZZZ			13:50																					
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Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 05/24/2010 19:54 End Date: 05/24/2010 19:54

Lab Sample ID	D / F	Type	Time	Analytes																				
				TSS																				
MB 680-169578/1	1	T	19:54	X																				
LCS 680-169578/2	1	T	19:54	X																				
LCSD 680-169578/3	1	T	19:54	X																				
ZZZZZZ			19:54																					
ZZZZZZ			19:54																					
ZZZZZZ			19:54																					
ZZZZZZ			19:54																					
ZZZZZZ			19:54																					
ZZZZZZ			19:54																					
ZZZZZZ			19:54																					
680-57874-3	1	T	19:54	X																				
ZZZZZZ			19:54																					
ZZZZZZ			19:54																					
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Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-57874-1

SDG No.: 137390

Instrument ID: TOC3 Method: SM 5310B

Start Date: 05/26/2010 11:55 End Date: 05/26/2010 11:55

Lab Sample ID	D / F	Type	Time	Analytes																				
				TC	TIC	TOC																		
MB 680-169945/1	1	T	11:55	X	X	X																		
LCS 680-169945/2	1	T	11:55	X	X	X																		
680-57874-1	1	T	11:55	X	X	X																		
680-57874-2	1	T	11:55	X	X	X																		
680-57874-3	1	T	11:55	X	X	X																		
680-57874-4	1	T	11:55	X	X	X																		
680-57874-5	1	T	11:55	X	X	X																		
ZZZZZZ			11:55																					
ZZZZZZ			11:55																					
ZZZZZZ			11:55																					

Prep Types

T = Total/NA

TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2010 09:57
End Cal Date : 19-MAY-2010 10:59
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Cal Date : 27-May-2010 07:17 brazellc

Calibration File Names:
Level 1: /chem/LC/LCGIC.i/1G051910-NPW.b/0004.d
Level 2: /chem/LC/LCGIC.i/1G051910-NPW.b/0005.d
Level 3: /chem/LC/LCGIC.i/1G051910-NPW.b/0006.d
Level 4: /chem/LC/LCGIC.i/1G051910-NPW.b/0007.d
Level 5: /chem/LC/LCGIC.i/1G051910-NPW.b/0008.d
Level 6: /chem/LC/LCGIC.i/1G051910-NPW.b/0009.d

	1	2	3	4	5	6		Coefficients			%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
1 FLUORIDE	335160	335127	357016	362943	359167	343665	AVRG		348846		3.56736
2 CHLORIDE	199755	202875	216523	220949	223641	227494	AVRG		215206		5.28841
4 SULFATE	183235	167121	165816	166563	166227	167964	AVRG		169488		3.99796
3 BROMIDE	70691	150957	335134	908779	1899739	4970444	LINR	0.000e+00	98481		0.99888

TESTAMERICA SAVANNAH

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2010 09:57
End Cal Date : 19-MAY-2010 10:59
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Cal Date : 27-May-2010 07:17 brazellc

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G051910-NPW.b/0004.d
Lab Smp Id: IC Client Smp ID: ANION-1
Inj Date : 19-MAY-2010 09:57
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-1~1G051910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G051910-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 20-May-2010 08:20 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 09:57 Cal File: 0004.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
3.050	3.050	0.000	67032	0.20000	0.20
3 BROMIDE					CAS #: 24959-67-9
5.867	5.867	0.000	70691	1.00000	1.0
2 CHLORIDE					CAS #: 16887-00-6
3.933	3.933	0.000	199755	1.00000	1.0
4 SULFATE					CAS #: 14808-79-8
4.508	4.508	0.000	183235	1.00000	1.0

Data File: 0004.d

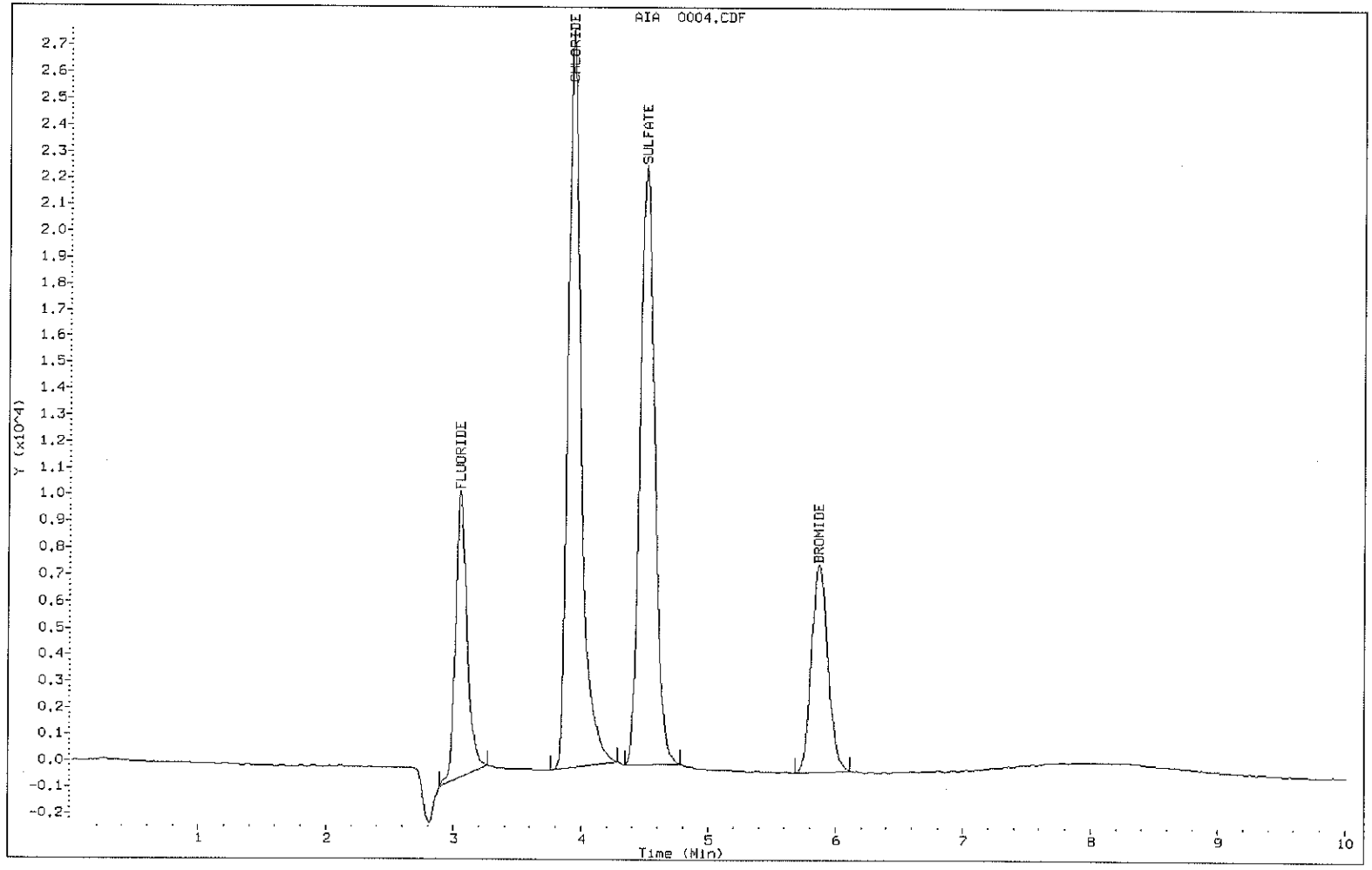
Date: 19-MAY-2010 09:57

Client ID: ANION-1

Instrument: LCGIC.i

Sample Info: ANION-1~1G051910

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G051910-NPW.b/0005.d
Lab Smp Id: IC Client Smp ID: ANION-2
Inj Date : 19-MAY-2010 10:09
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-2~1G051910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G051910-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 20-May-2010 08:20 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:09 Cal File: 0005.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
3.050	3.050	0.000	134051	0.40000	0.40
3 BROMIDE					CAS #: 24959-67-9
5.867	5.867	0.000	150957	2.00000	2.0
2 CHLORIDE					CAS #: 16887-00-6
3.933	3.933	0.000	405751	2.00000	2.0
4 SULFATE					CAS #: 14808-79-8
4.508	4.508	0.000	334243	2.00000	1.9

Data File: 0005.d

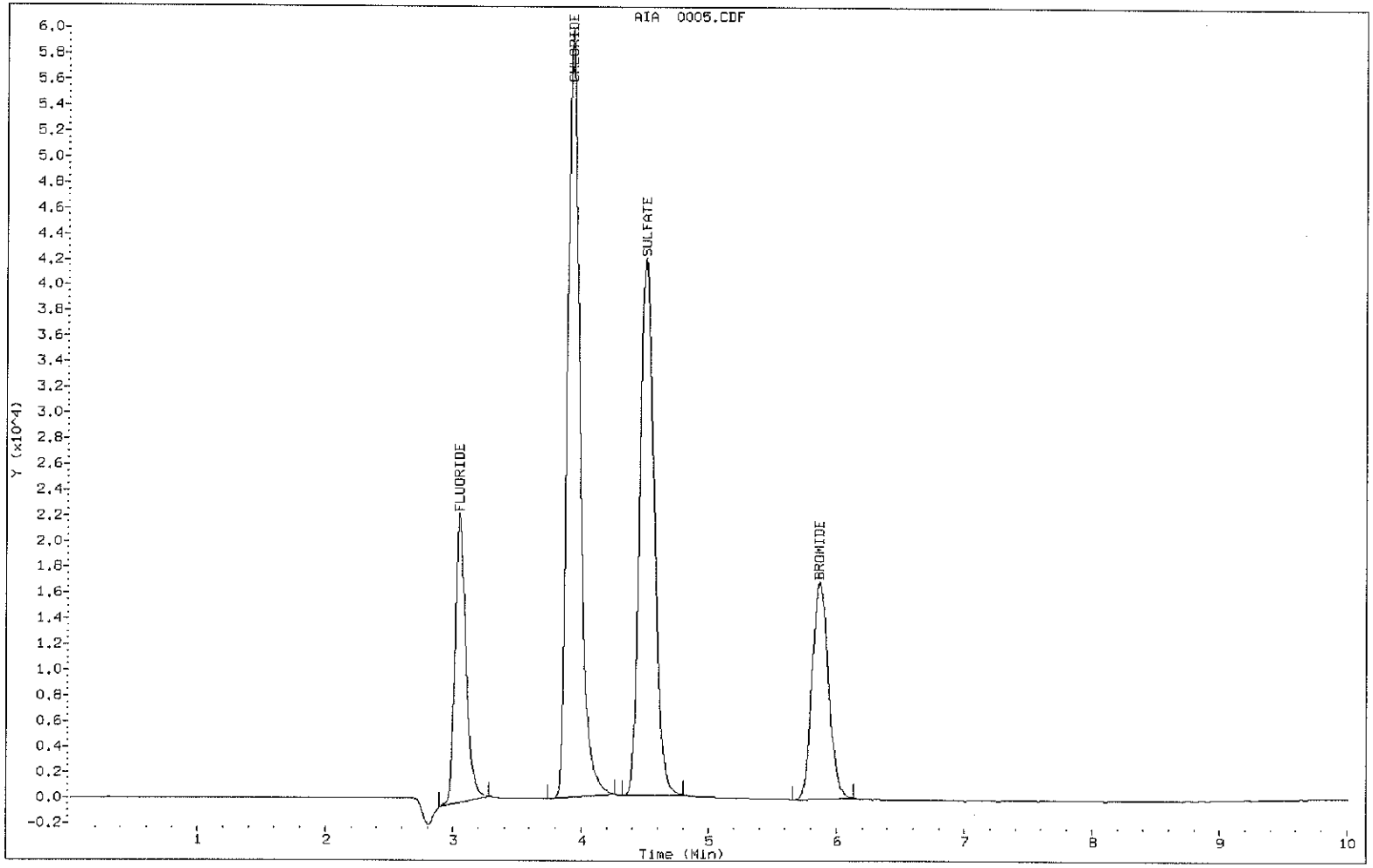
Date: 19-MAY-2010 10:09

Client ID: ANION-2

Instrument: LCGIC.i

Sample Info: ANION-2~1G051910

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G051910-NPW.b/0006.d
Lab Smp Id: IC Client Smp ID: ANION-3
Inj Date : 19-MAY-2010 10:22
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-3~1G051910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G051910-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 20-May-2010 08:20 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:22 Cal File: 0006.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

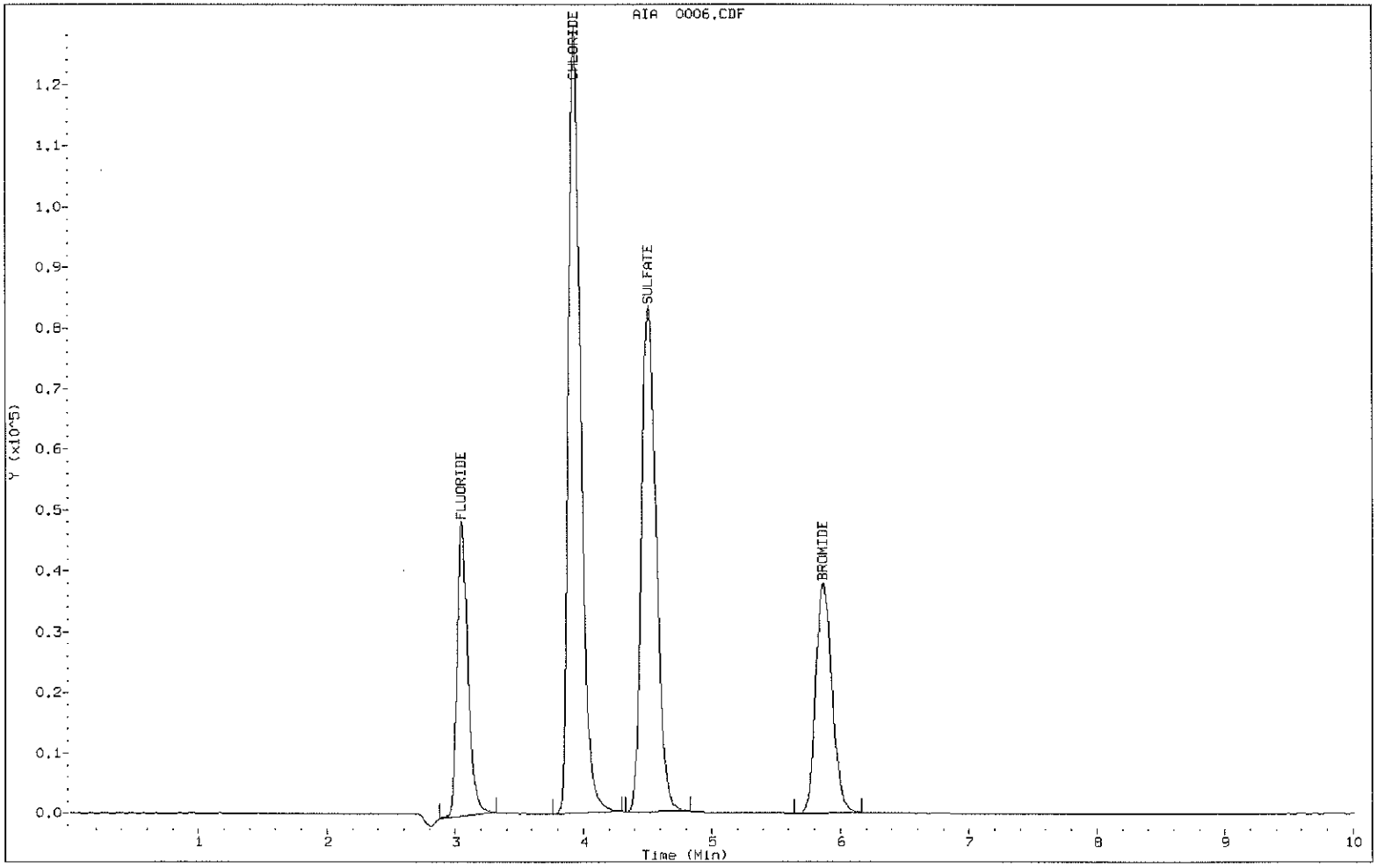
				AMOUNTS	
				CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
1 FLUORIDE					CAS #: 16984-48-8
3.050	3.050	0.000	285613	0.80000	0.83
3 BROMIDE					CAS #: 24959-67-9
5.867	5.867	0.000	335134	4.00000	4.1
2 CHLORIDE					CAS #: 16887-00-6
3.933	3.933	0.000	866092	4.00000	4.2
4 SULFATE					CAS #: 14808-79-8
4.508	4.508	0.000	663265	4.00000	3.9

Data File: 0006.d

Date: 19-MAY-2010 10:22

Client ID: ANION-3 Instrument: LCGIC.i

Sample Info: ANION-3~1G051910 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G051910-NPW.b/0007.d
Lab Smp Id: IC Client Smp ID: ANION-4
Inj Date : 19-MAY-2010 10:34
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~1G051910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G051910-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 20-May-2010 08:20 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:34 Cal File: 0007.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

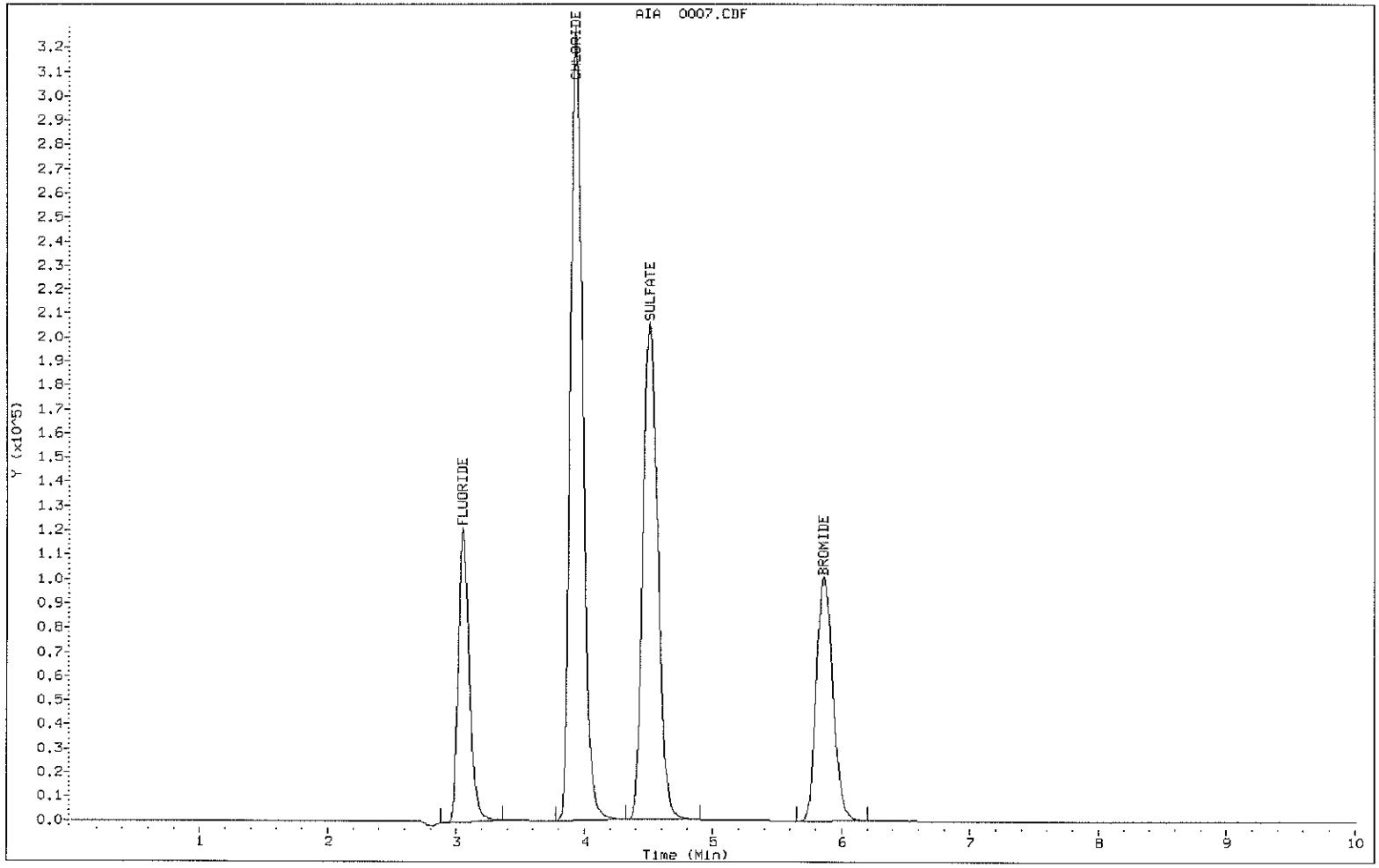
				AMOUNTS	
				CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
1 FLUORIDE					CAS #: 16984-48-8
3.050	3.050	0.000	725885	2.00000	2.1
3 BROMIDE					CAS #: 24959-67-9
5.858	5.858	0.000	908779	10.0000	10
2 CHLORIDE					CAS #: 16887-00-6
3.933	3.933	0.000	2209494	10.0000	11
4 SULFATE					CAS #: 14808-79-8
4.508	4.508	0.000	1665634	10.0000	9.8

Data File: 0007.d

Date: 19-MAY-2010 10:34

Client ID: ANION-4 Instrument: LCGIC.i

Sample Info: ANION-4~1G051910 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G051910-NPW.b/0008.d
Lab Smp Id: IC Client Smp ID: ANION-5
Inj Date : 19-MAY-2010 10:47
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-5~1G051910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G051910-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 20-May-2010 08:20 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:47 Cal File: 0008.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

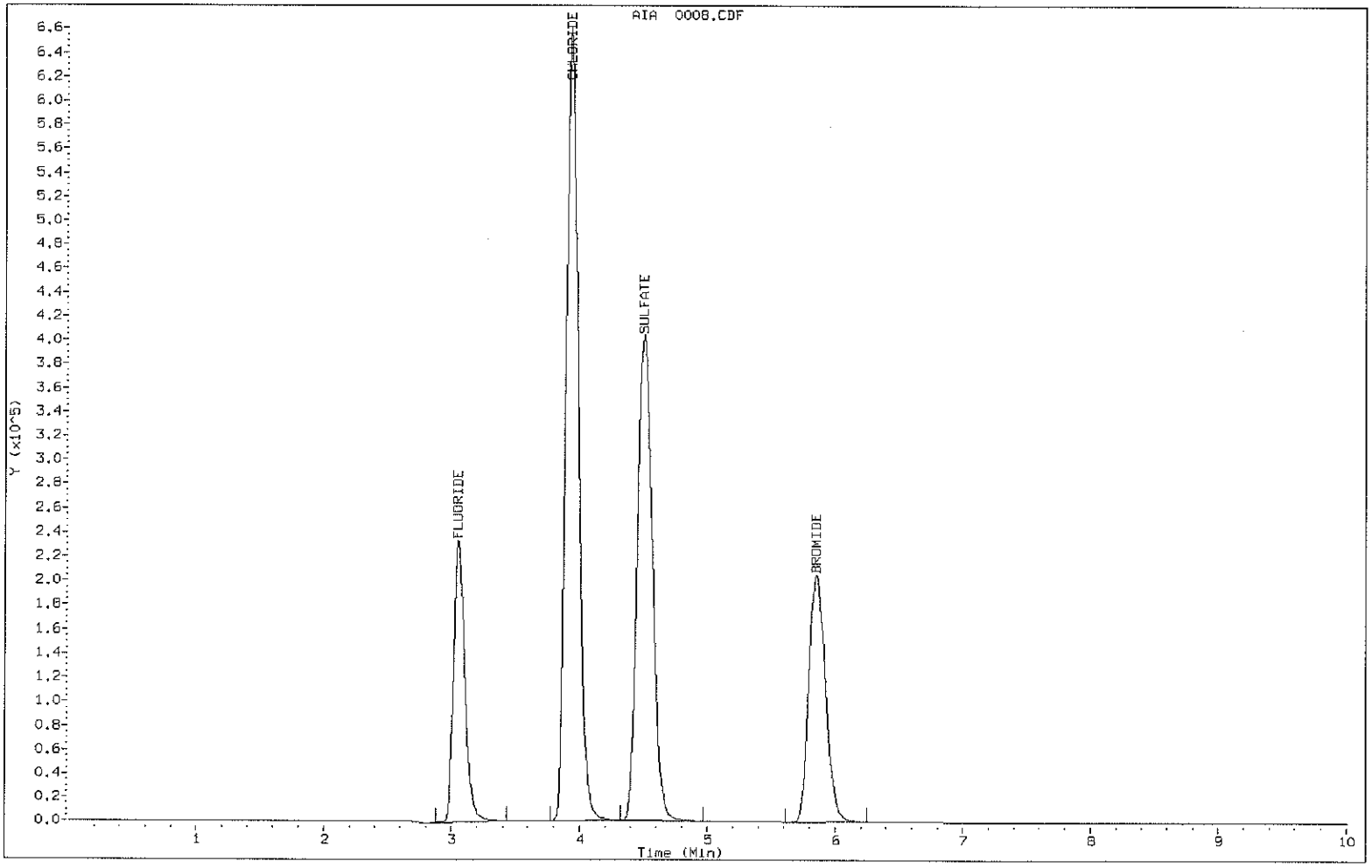
				AMOUNTS	
				CAL-AMT	ON-COL
RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/L)
1 FLUORIDE					CAS #: 16984-48-8
3.050	3.050	0.000	1436670	4.00000	4.1
3 BROMIDE					CAS #: 24959-67-9
5.850	5.850	0.000	1899739	20.0000	20
2 CHLORIDE					CAS #: 16887-00-6
3.933	3.933	0.000	4472811	20.0000	21
4 SULFATE					CAS #: 14808-79-8
4.500	4.500	0.000	3324532	20.0000	20

Data File: 0008.d

Date: 19-MAY-2010 10:47

Client ID: ANION-5 Instrument: LCGIC.i

Sample Info: ANION-5~1G051910 Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/1G051910-NPW.b/0009.d
Lab Smp Id: IC Client Smp ID: ANION-6
Inj Date : 19-MAY-2010 10:59
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-6~1G051910
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/1G051910-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 20-May-2010 08:20 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	ON-COL (mg/L)	
1 FLUORIDE					CAS #: 16984-48-8	
3.059	3.059	0.000	3436652	10.0000	9.9	
3 BROMIDE					CAS #: 24959-67-9	
5.825	5.825	0.000	4970444	50.0000	50	(A)
2 CHLORIDE					CAS #: 16887-00-6	
3.933	3.933	0.000	11374707	50.0000	53	(A)
4 SULFATE					CAS #: 14808-79-8	
4.492	4.492	0.000	8398202	50.0000	50	

QC Flag Legend

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

Data File: 0009.d

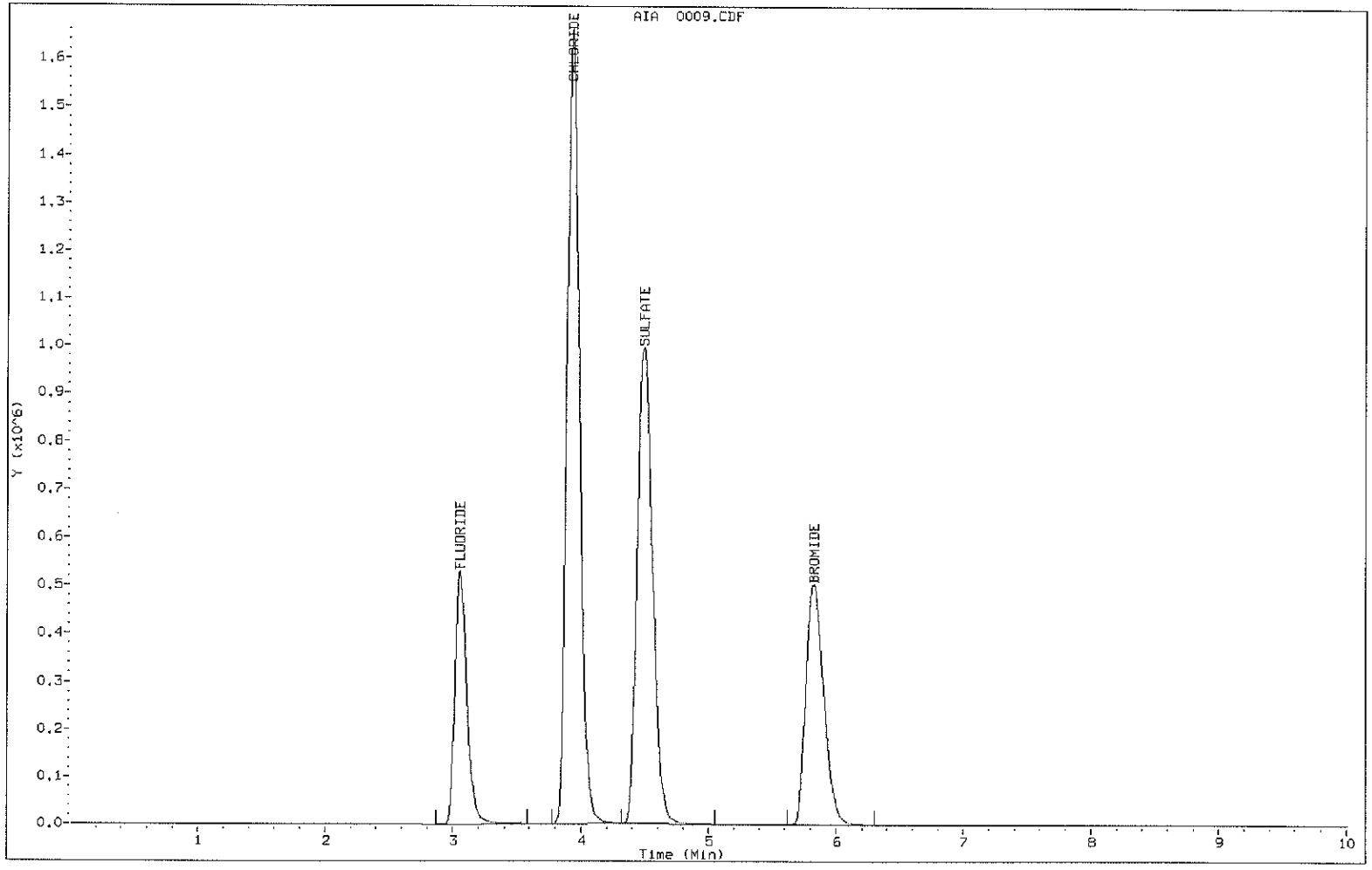
Date: 19-MAY-2010 10:59

Client ID: ANION-6

Instrument: LCGIC.i

Sample Info: ANION-6~1G051910

Operator: CB



TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0043.d
Lab Smp Id: ANION-5 Client Smp ID: ANION-5
Inj Date : 26-MAY-2010 18:07
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-5~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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
3.050	3.050	0.000	724000	2.00000	2.1
3 BROMIDE					CAS #: 24959-67-9
5.833	5.833	0.000	913373	10.0000	9.3
2 CHLORIDE					CAS #: 16887-00-6
3.925	3.925	0.000	2211881	10.0000	10
4 SULFATE					CAS #: 14808-79-8
4.483	4.483	0.000	1646329	10.0000	9.7

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0044.d
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 26-MAY-2010 18:20
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (mg/L)	FINAL (mg/l)

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0045.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 26-MAY-2010 18:32
Operator : CB Inst ID: LCGIC.i
Smp Info : LCS~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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
3.059	3.050	0.009	735816	2.10929	11	
3 BROMIDE						CAS #: 24959-67-9
5.833	5.833	0.000	919783	9.33966	47	
2 CHLORIDE						CAS #: 16887-00-6
3.925	3.925	0.000	2218598	10.3092	52	
4 SULFATE						CAS #: 14808-79-8
4.484	4.483	0.001	1708195	10.0786	50	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0050.d
Lab Smp Id: 680-57874-1 Client Smp ID: 680-57874-1
Inj Date : 26-MAY-2010 19:34
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-57874-1~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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	
3.050	3.050	0.000	282820	0.81073	4.1
2 CHLORIDE				CAS #: 16887-00-6	
3.925	3.925	0.000	1503343	6.98559	35
4 SULFATE				CAS #: 14808-79-8	
4.483	4.483	0.000	851077	5.02147	25

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0051.d
Lab Smp Id: 680-57874-2 Client Smp ID: 680-57874-2
Inj Date : 26-MAY-2010 19:47
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-57874-2~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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
3.058	3.050	0.008	2424423	6.94983	35	
2 CHLORIDE						CAS #: 16887-00-6
3.925	3.925	0.000	1363251	6.33463	32	
4 SULFATE						CAS #: 14808-79-8
4.483	4.483	0.000	1047573	6.18082	31	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0052.d
Lab Smp Id: 680-57874-3 Client Smp ID: 680-57874-3
Inj Date : 26-MAY-2010 19:59
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-57874-3~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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		
3.108	3.050	0.058	4667852	13.3808	67	(A)
2 CHLORIDE				CAS #: 16887-00-6		
3.925	3.925	0.000	528262	2.45468	12	
4 SULFATE				CAS #: 14808-79-8		
4.483	4.483	0.000	492215	2.90414	15	

QC Flag Legend

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

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0053.d
Lab Smp Id: 680-57874-4 Client Smp ID: 680-57874-4
Inj Date : 26-MAY-2010 20:11
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-57874-4~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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		
3.108	3.050	0.058	7013235	20.1041	100	(A)
2 CHLORIDE				CAS #: 16887-00-6		
3.925	3.925	0.000	1019023	4.73510	24	
4 SULFATE				CAS #: 14808-79-8		
4.483	4.483	0.000	1088243	6.42078	32	

QC Flag Legend

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

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0054.d
Lab Smp Id: 680-57874-5 Client Smp ID: 680-57874-5
Inj Date : 26-MAY-2010 20:24
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-57874-5~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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
3.059	3.050	0.009	2418136	6.93181	35	
2 CHLORIDE						CAS #: 16887-00-6
3.925	3.925	0.000	1362752	6.33231	32	
4 SULFATE						CAS #: 14808-79-8
4.484	4.483	0.001	1015374	5.99084	30	

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0055.d
Lab Smp Id: 680-57874-5 MS Client Smp ID: 680-57874-5 MS
Inj Date : 26-MAY-2010 20:36
Operator : CB Inst ID: LCGIC.i
Smp Info : 680-57874-5MS~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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		
3.059	3.050	0.009	2988107	8.56568	43	(R)
3 BROMIDE				CAS #: 24959-67-9		
5.833	5.833	0.000	820140	8.32787	42	(R)
2 CHLORIDE				CAS #: 16887-00-6		
3.925	3.925	0.000	3370285	15.6607	78	(R)
4 SULFATE				CAS #: 14808-79-8		
4.484	4.483	0.001	2535528	14.9599	75	(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0056.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 26-MAY-2010 20:49
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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
3.059	3.059	0.000	750291	2.00000	2.2
3 BROMIDE					CAS #: 24959-67-9
5.833	5.833	0.000	914055	10.0000	9.3
2 CHLORIDE					CAS #: 16887-00-6
3.933	3.933	0.000	2219279	10.0000	10
4 SULFATE					CAS #: 14808-79-8
4.484	4.484	0.000	1634948	10.0000	9.6

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0057.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 26-MAY-2010 21:01
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~3G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:16 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (mg/L)	FINAL (mg/l)

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0067.d
Lab Smp Id: ANION-4 Client Smp ID: ANION-4
Inj Date : 26-MAY-2010 23:05
Operator : CB Inst ID: LCGIC.i
Smp Info : ANION-4~4G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:17 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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
3.058	3.058	0.000	744152	2.00000	2.1
3 BROMIDE					CAS #: 24959-67-9
5.833	5.833	0.000	935037	10.0000	9.5
2 CHLORIDE					CAS #: 16887-00-6
3.933	3.933	0.000	2262856	10.0000	11
4 SULFATE					CAS #: 14808-79-8
4.492	4.492	0.000	1659869	10.0000	9.8

TESTAMERICA SAVANNAH

ANION 300.0/9056

Data file : /chem/LC/LCGIC.i/3G052610A-NPW.b/0068.d
Lab Smp Id: CCB Client Smp ID: CCB
Inj Date : 26-MAY-2010 23:18
Operator : CB Inst ID: LCGIC.i
Smp Info : CCB~4G052610
Misc Info : None
Comment :
Method : /chem/LC/LCGIC.i/3G052610A-NPW.b/g-NPW-300-9056-9056A.m
Meth Date : 27-May-2010 07:17 brazellc Quant Type: ESTD
Cal Date : 19-MAY-2010 10:59 Cal File: 0009.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: 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

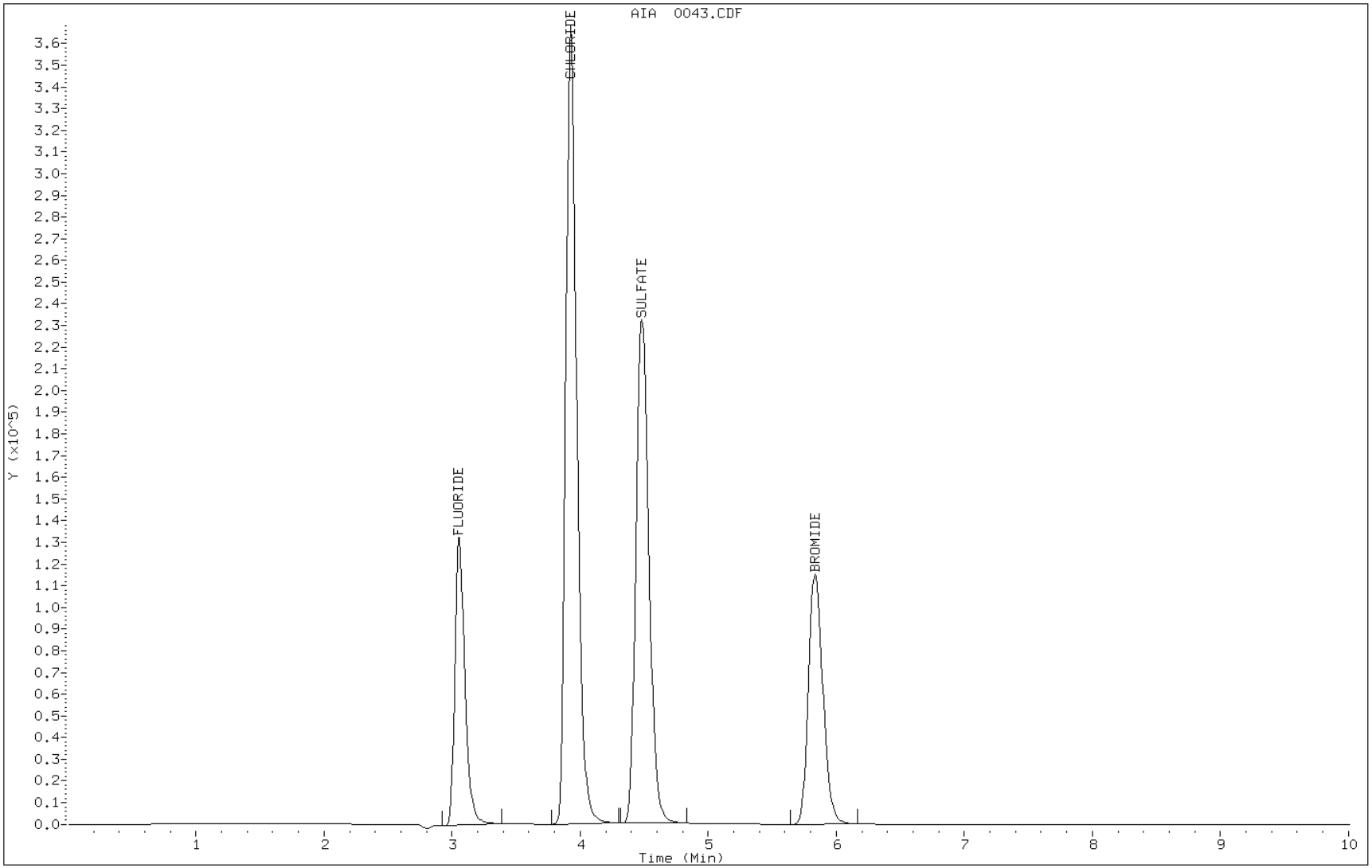
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (mg/L)	FINAL (mg/l)

Data File: 0043.d

Date: 26-MAY-2010 18:07

Client ID: ANION-5 Instrument: LCGIC.i

Sample Info: ANION-5~3G052610 Operator: CB



Data File: 0044.d

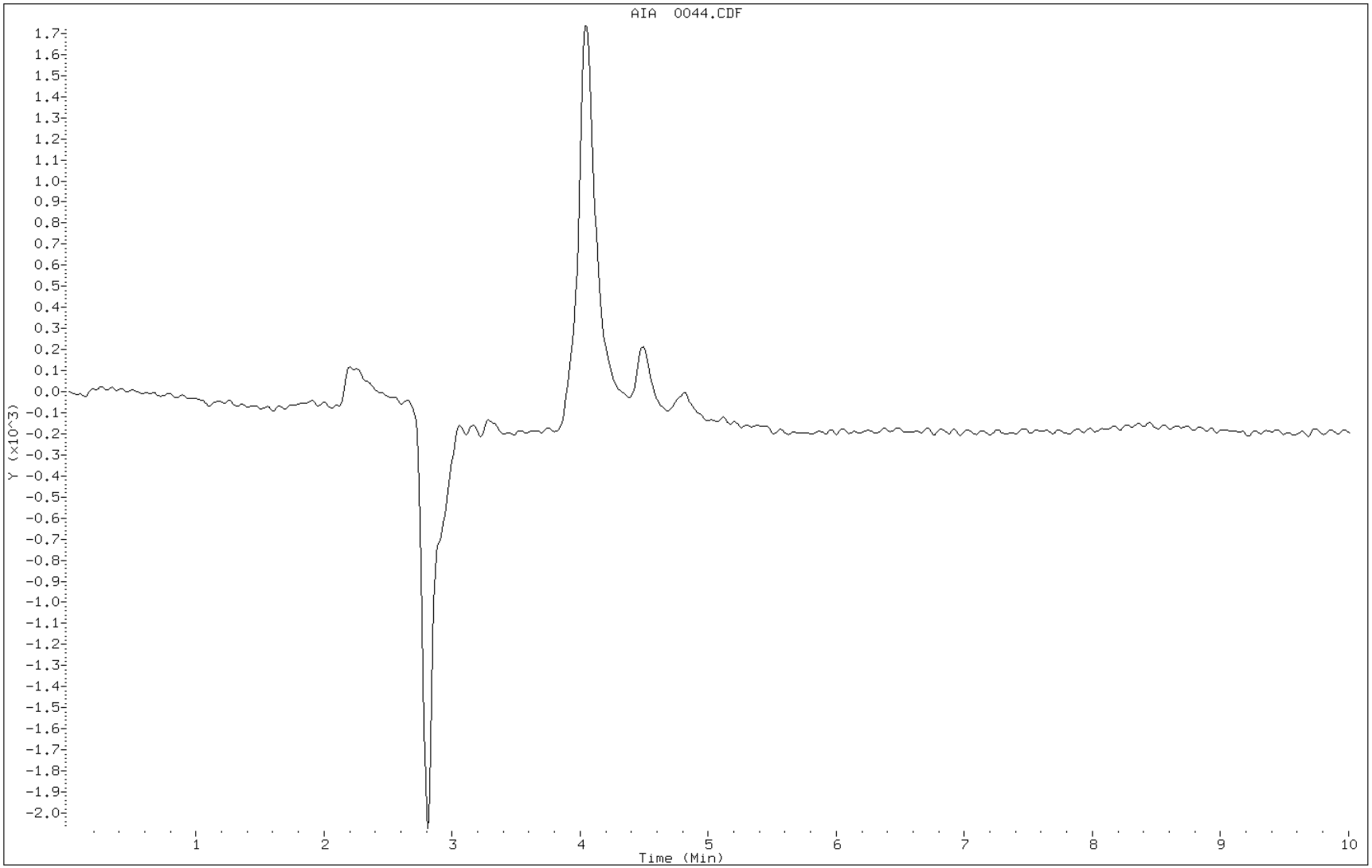
Date: 26-MAY-2010 18:20

Client ID: MB

Instrument: LCGIC.i

Sample Info: CCB~3G052610

Operator: CB



Data File: 0045.d

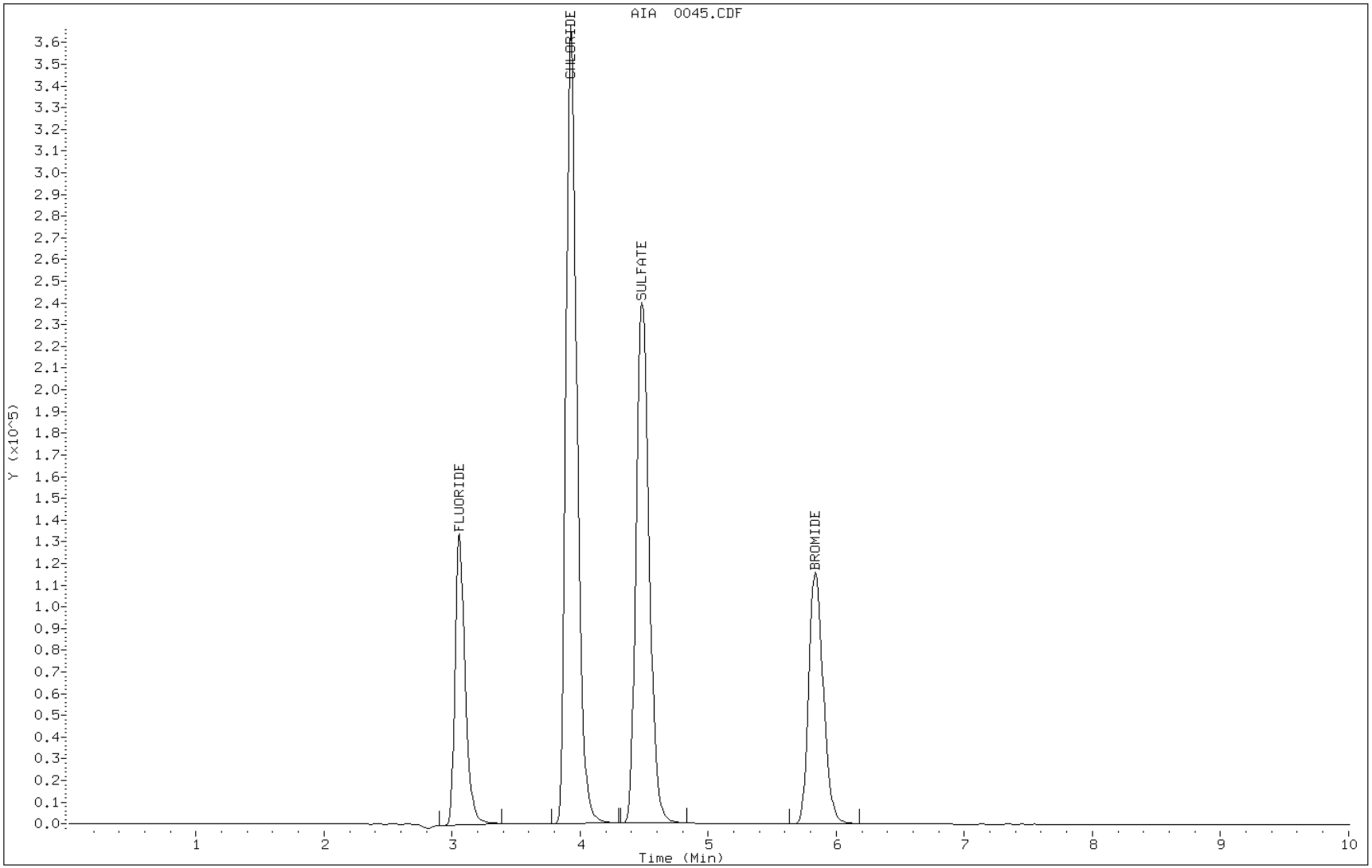
Date: 26-MAY-2010 18:32

Client ID: LCS

Instrument: LCGIC.i

Sample Info: LCS~3G052610

Operator: CB

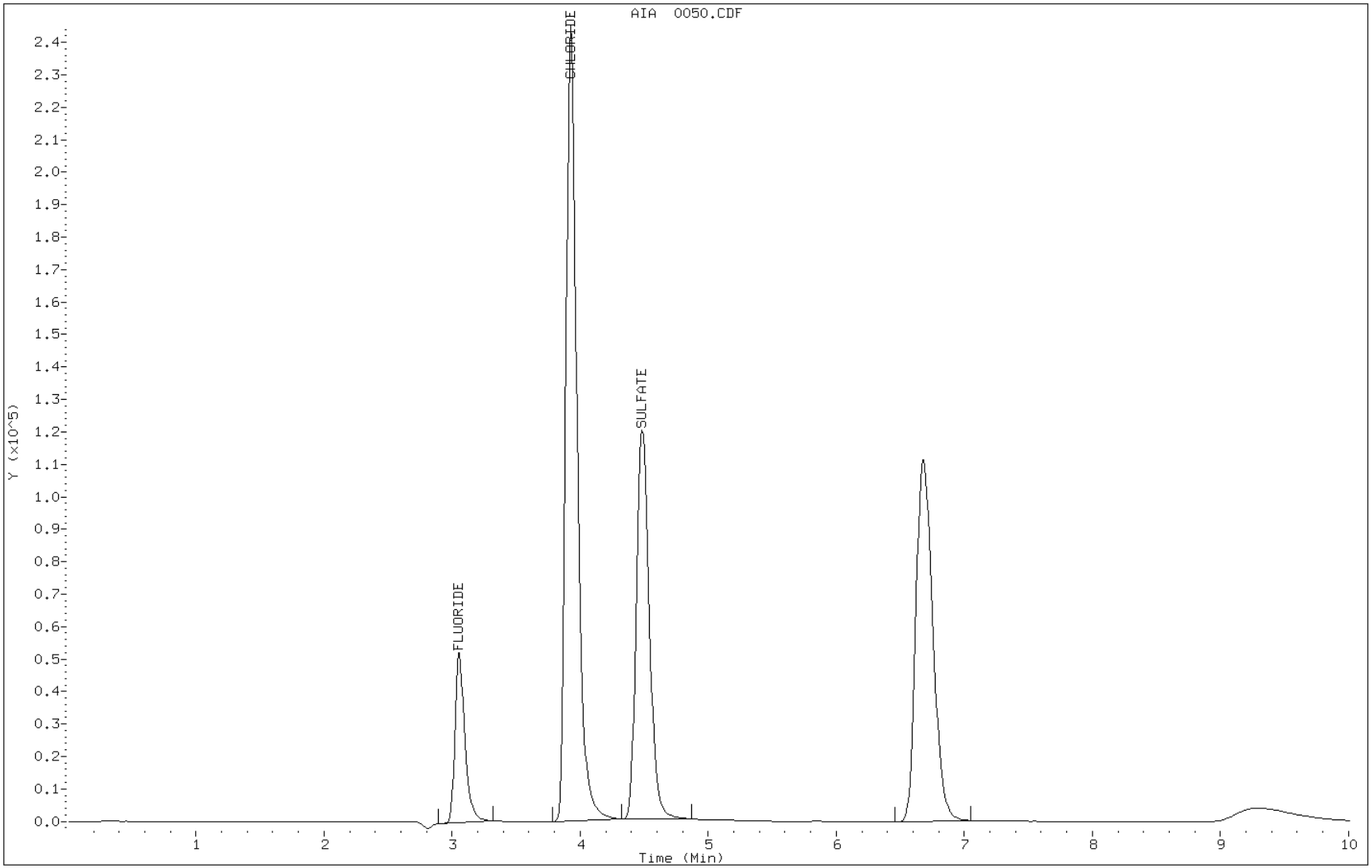


Data File: 0050.d

Date: 26-MAY-2010 19:34

Client ID: 680-57874-1 Instrument: LCGIC.i

Sample Info: 680-57874-1~3G052610 Operator: CB

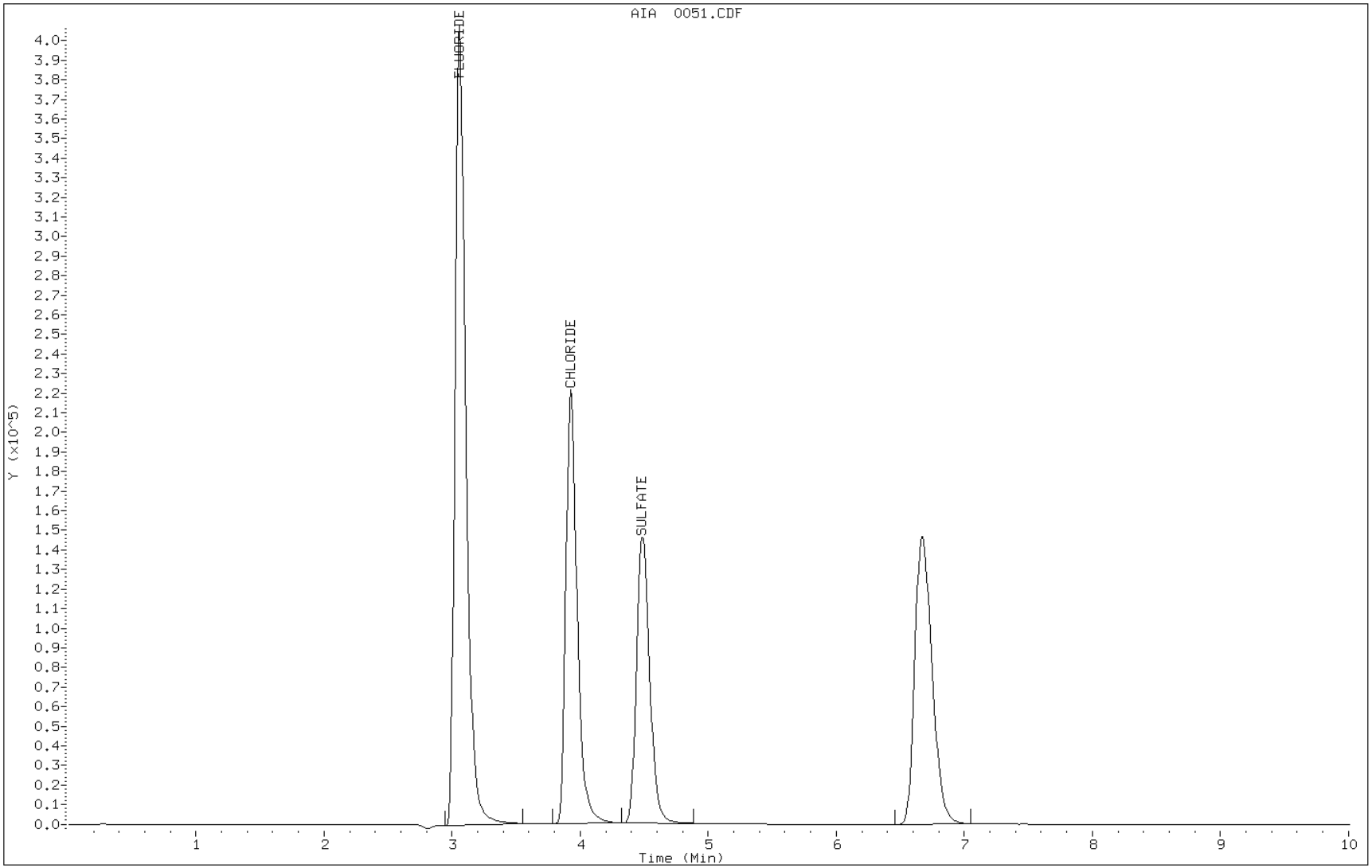


Data File: 0051.d

Date: 26-MAY-2010 19:47

Client ID: 680-57874-2 Instrument: LCGIC.i

Sample Info: 680-57874-2~3G052610 Operator: CB

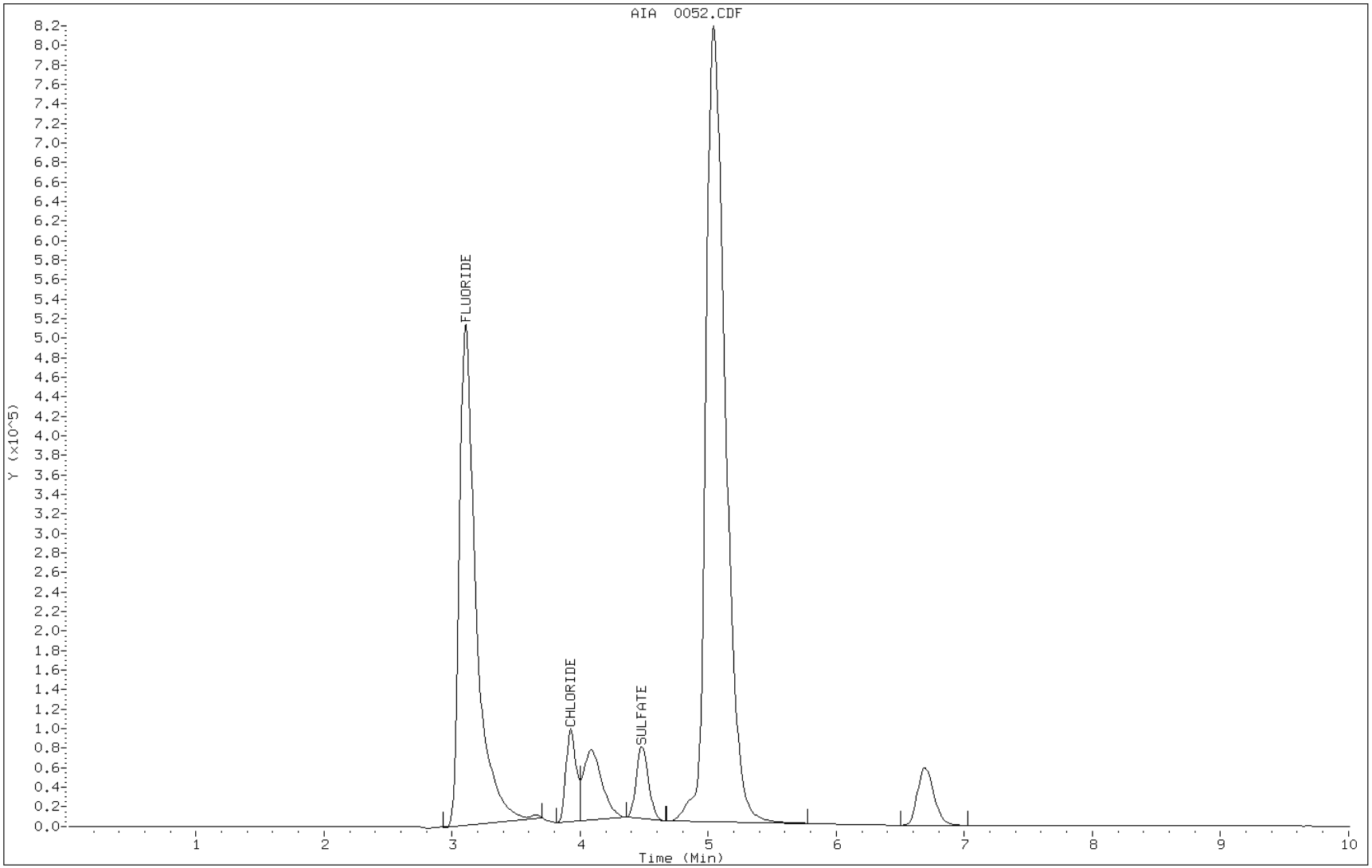


Data File: 0052.d

Date: 26-MAY-2010 19:59

Client ID: 680-57874-3 Instrument: LCGIC.i

Sample Info: 680-57874-3~3G052610 Operator: CB

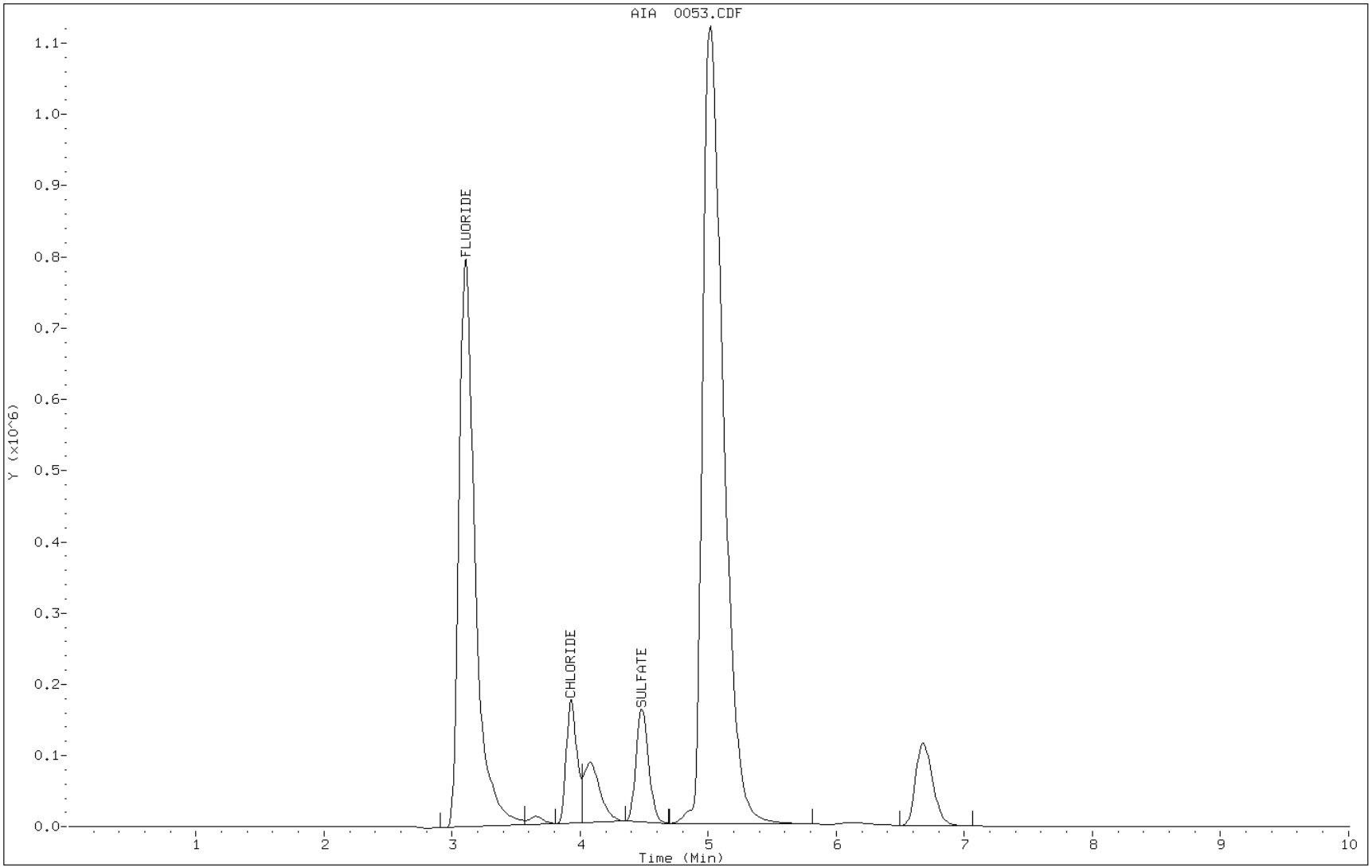


Data File: 0053.d

Date: 26-MAY-2010 20:11

Client ID: 680-57874-4 Instrument: LCGIC.i

Sample Info: 680-57874-4~3G052610 Operator: CB

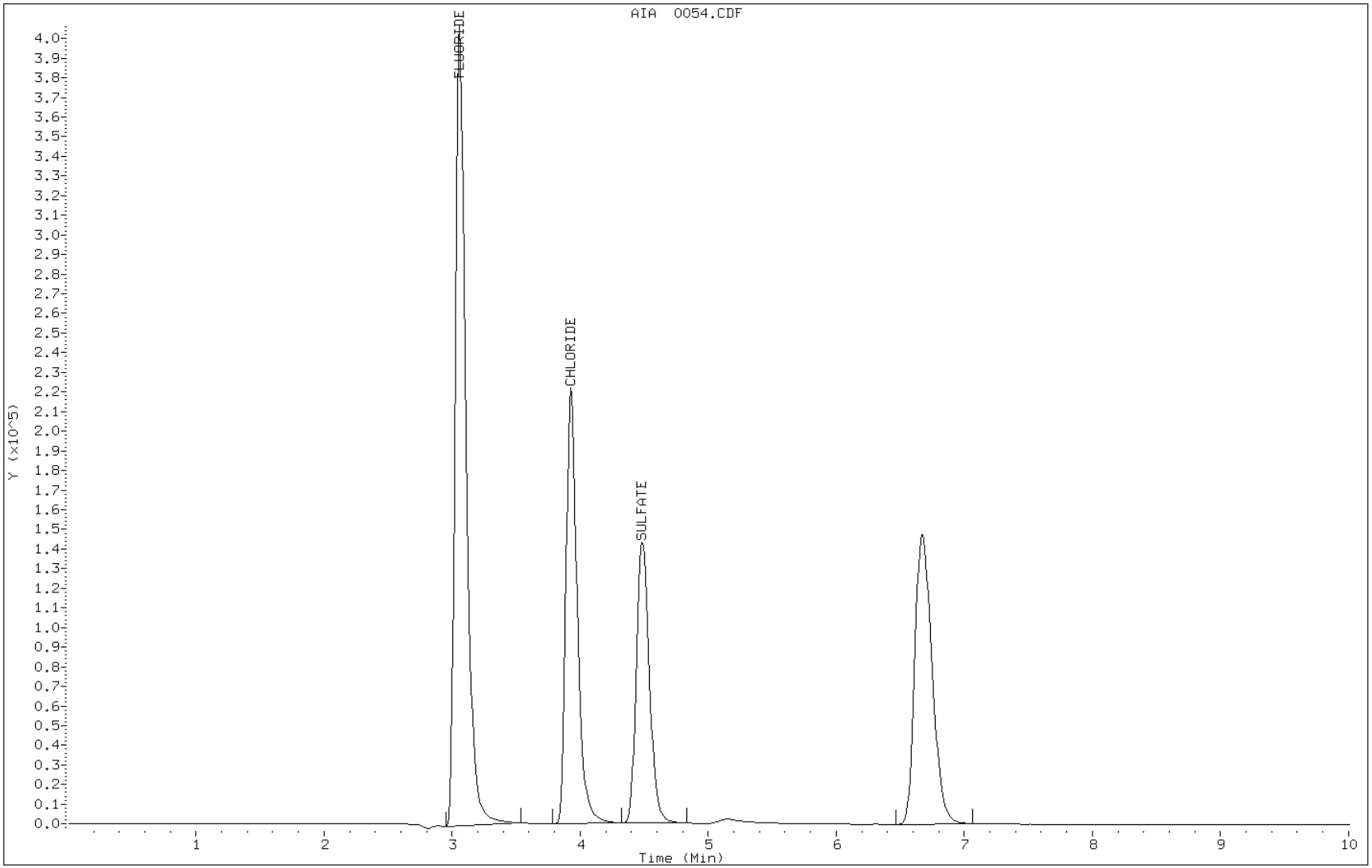


Data File: 0054.d

Date: 26-MAY-2010 20:24

Client ID: 680-57874-5 Instrument: LCGIC.i

Sample Info: 680-57874-5~3G052610 Operator: CB

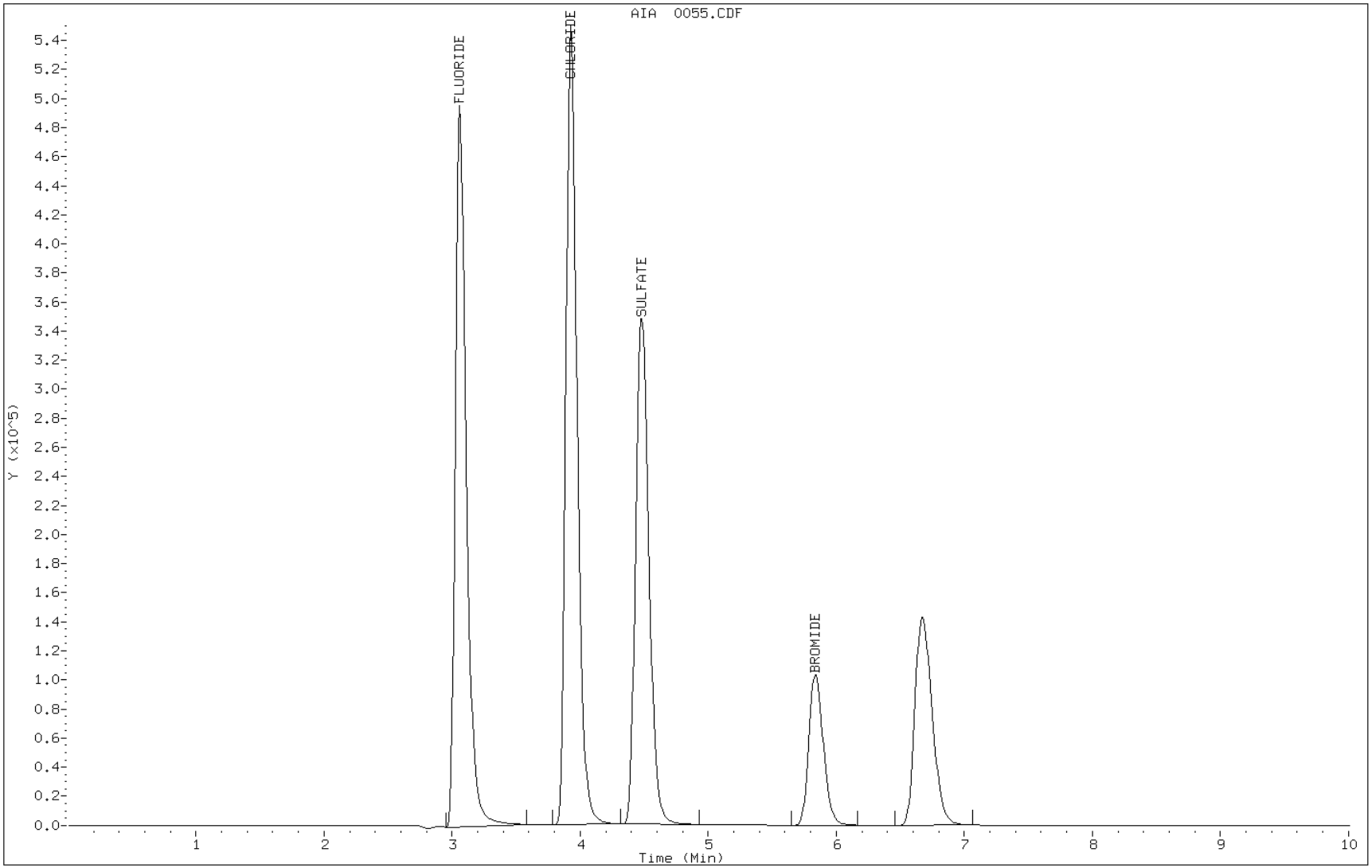


Data File: 0055.d

Date: 26-MAY-2010 20:36

Client ID: 680-57874-5 MS Instrument: LCGIC.i

Sample Info: 680-57874-5MS~3G052610 Operator: CB

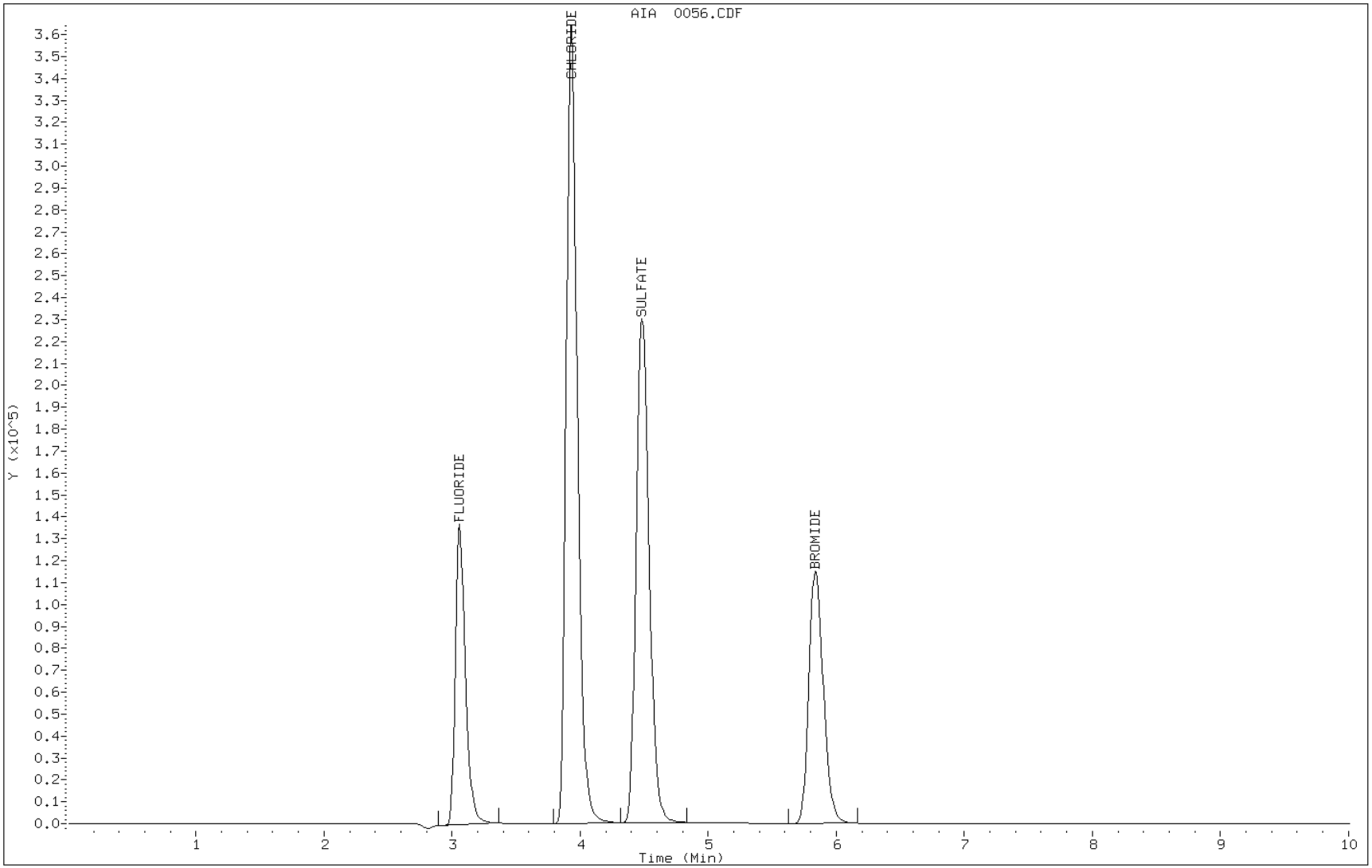


Data File: 0056.d

Date: 26-MAY-2010 20:49

Client ID: ANION-4 Instrument: LCGIC.i

Sample Info: ANION-4~3G052610 Operator: CB



Data File: 0057.d

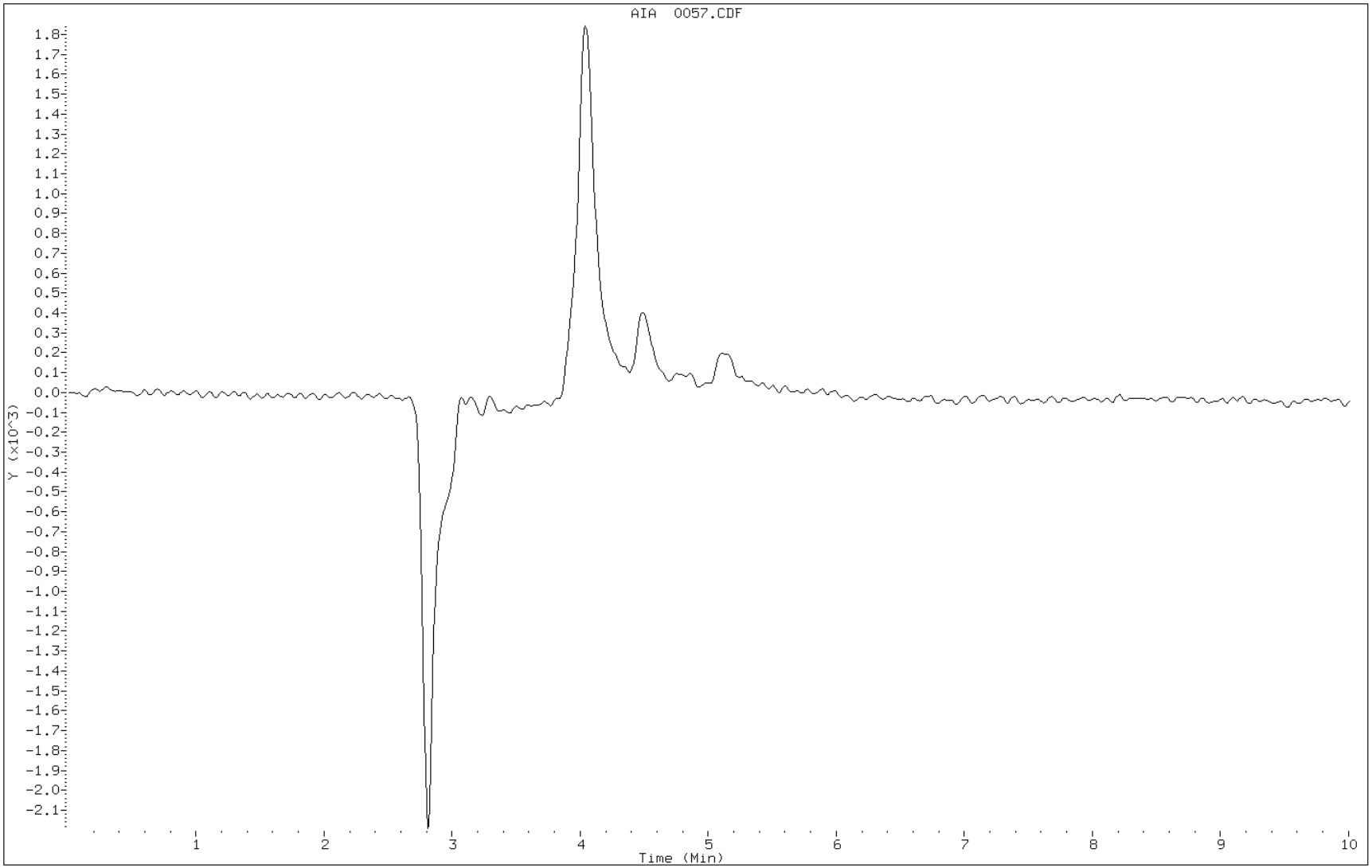
Date: 26-MAY-2010 21:01

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~3G052610

Operator: CB

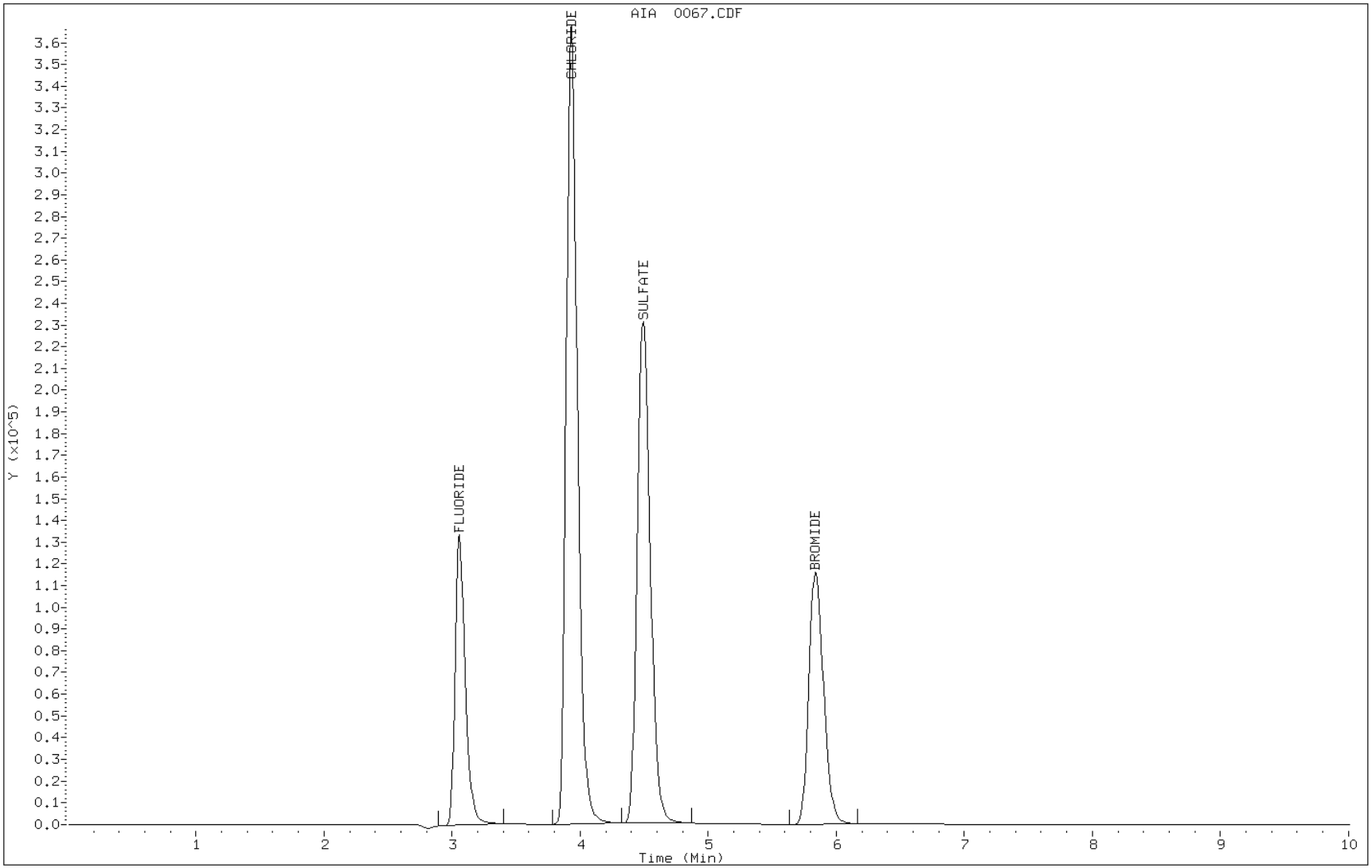


Data File: 0067.d

Date: 26-MAY-2010 23:05

Client ID: ANION-4 Instrument: LCGIC.i

Sample Info: ANION-4~4G052610 Operator: CB



Data File: 0068.d

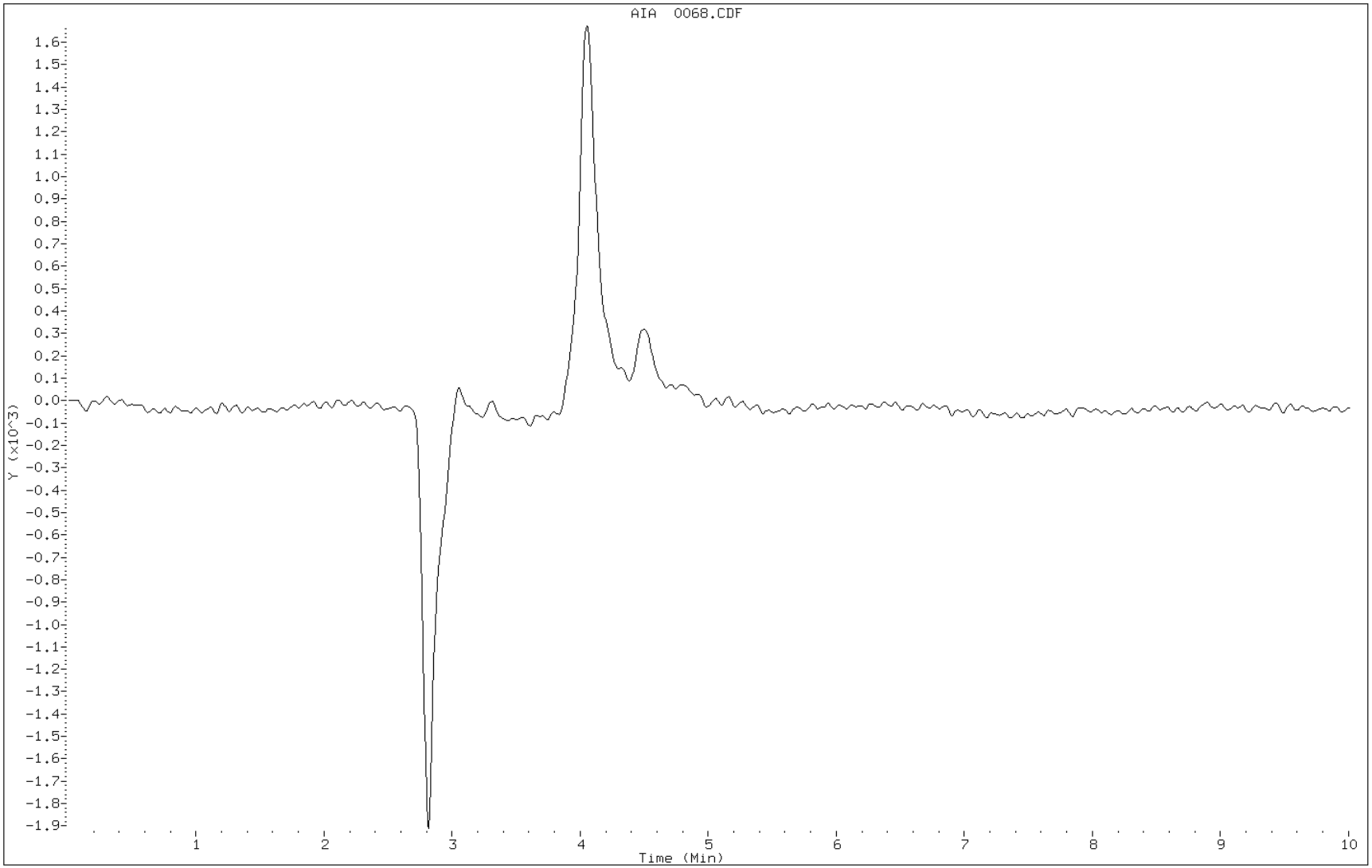
Date: 26-MAY-2010 23:18

Client ID: CCB

Instrument: LCGIC.i

Sample Info: CCB~4G052610

Operator: CB



PC-TitratION PLUS

Historical Data Report

Run Number 2924 **Order Number** 20100524-1

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Acd	Temperature	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
tap h2o	05/24/2010	12:25 PM	334.00	.00	0.0030	7.86	.00	197.74	196.38	1.32	.04	-1.00	-1.00	24.52	5.48	-1.0000	0.000	4.944	5.453
di	05/24/2010	12:31 PM	.00	.00	-10.0000	5.49	.00	.37	.37	.00	.00	-1.00	-1.00	24.30	2.38	-1.0000	0.000	0.044	0.079
ph icv	05/24/2010	12:42 PM	-1.00	-1.00	-1.0000	7.01	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	23.80	-.20	-1.0000	-1.000	-1.000	-1.000
di	05/24/2010	12:48 PM	.42	.00	2.3810	6.13	.00	.62	.62	.00	.00	-1.00	-1.00	24.04	.92	-1.0000	0.000	0.049	0.083
mb	05/24/2010	12:54 PM	.00	.00	-5.8824	5.61	.00	.12	.12	.00	.00	-1.00	-1.00	23.96	.57	-1.0000	0.000	0.036	0.069
lcs	05/24/2010	1:04 PM	1,216.00	.00	0.0008	9.14	400.99	562.63	498.05	63.90	.68	-1.00	-1.00	23.72	.73	-1.0000	10.025	14.066	14.162
680-57874-C-1	05/24/2010	1:10 PM	324.00	.00	0.0031	6.91	.00	27.39	27.36	.02	.00	-1.00	-1.00	23.68	6.76	-1.0000	0.000	0.685	0.730
680-57874-C-2	05/24/2010	1:16 PM	353.00	.00	0.0028	6.45	.00	21.27	21.27	.01	.00	-1.00	-1.00	23.54	15.16	-1.0000	0.000	0.532	0.596
680-57874-C-3	05/24/2010	1:24 PM	724.00	.00	0.0014	7.71	.00	215.27	214.22	1.02	.03	-1.00	-1.00	23.51	8.43	-1.0000	0.000	5.382	5.485
680-57874-C-4	05/24/2010	1:30 PM	699.00	.00	0.0014	6.42	.00	54.43	54.41	.01	.00	-1.00	-1.00	23.51	41.48	-1.0000	0.000	1.361	1.427
680-57874-C-5	05/24/2010	1:35 PM	358.00	.00	0.0028	6.21	.00	26.70	26.69	.00	.00	-1.00	-1.00	23.52	32.80	-1.0000	0.000	0.667	0.733
680-57873-I-1	05/24/2010	1:40 PM	55.80	.00	0.0179	6.39	.00	10.83	10.82	.00	.00	-1.00	-1.00	23.36	8.91	-1.0000	0.000	0.305	0.340
680-57873-I-3	05/24/2010	1:46 PM	.31	.00	3.2258	5.51	.00	.02	.01	.00	.00	-1.00	-1.00	23.14	.09	-1.0000	0.000	0.035	0.070
680-57873-I-5	05/24/2010	1:53 PM	189.30	.00	0.0053	7.67	.00	64.37	64.06	.28	.02	-1.00	-1.00	22.95	2.71	-1.0000	0.000	1.609	1.658
680-57854-A-1	05/24/2010	1:59 PM	164.30	.00	0.0061	7.55	.00	70.37	70.12	.23	.02	-1.00	-1.00	23.14	3.96	-1.0000	0.000	1.759	1.809
680-57854-A-1DU	05/24/2010	2:06 PM	166.40	.00	0.0060	7.60	.00	70.43	70.14	.27	.02	-1.00	-1.00	23.28	3.48	-1.0000	0.000	1.761	1.811
CCVPH	05/24/2010	2:09 PM	-1.00	-1.00	-1.0000	7.04	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	23.28	-.18	-1.0000	-1.000	-1.000	-1.000
680-57873-J-7	05/24/2010	2:16 PM	162.50	.00	0.0062	7.81	.00	59.72	59.33	.36	.03	-1.00	-1.00	23.23	1.83	-1.0000	0.000	1.493	1.539
680-57873-J-9	05/24/2010	2:23 PM	176.80	.00	0.0057	8.01	.00	71.82	71.09	.68	.05	-1.00	-1.00	23.44	1.39	-1.0000	0.000	1.795	1.846
680-57873-J-11	05/24/2010	2:30 PM	748.00	.00	0.0013	7.78	.00	81.31	80.82	.45	.03	-1.00	-1.00	23.70	2.71	-1.0000	0.000	2.033	2.083
680-57918-J-1	05/24/2010	2:36 PM	55.60	.00	0.0180	6.35	.00	8.62	8.61	.00	.00	-1.00	-1.00	23.72	7.75	-1.0000	0.000	0.249	0.282
680-57918-I-3	05/24/2010	2:42 PM	161.90	.00	0.0062	6.79	.00	28.92	28.90	.02	.00	-1.00	-1.00	23.44	9.47	-1.0000	0.000	0.723	0.766
680-57918-J-5	05/24/2010	2:48 PM	117.00	.00	0.0085	6.31	.00	16.44	16.43	.00	.00	-1.00	-1.00	23.31	16.00	-1.0000	0.000	0.451	0.491
680-57918-J-7-1	05/24/2010	2:55 PM	201.00	.00	0.0050	7.89	.00	76.80	76.21	.55	.04	-1.00	-1.00	23.25	1.98	-1.0000	0.000	1.920	1.973
680-57918-I-9	05/24/2010	3:02 PM	238.00	.00	0.0042	8.03	.00	90.49	89.52	.91	.05	-1.00	-1.00	23.25	1.65	-1.0000	0.000	2.262	2.322
560-20447-A-1	05/24/2010	3:08 PM	209.00	.00	0.0048	7.80	.00	30.68	30.46	.18	.03	-1.00	-1.00	23.23	.96	-1.0000	0.000	0.767	0.814
560-20447-A-2	05/24/2010	3:15 PM	210.00	.00	0.0048	7.74	.00	30.39	30.21	.15	.03	-1.00	-1.00	23.28	1.11	-1.0000	0.000	0.760	0.810

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Run Number 2924 **Order Number** 20100524-1

SampleID	RunDate	RunTime	cond (uS)	Salinity	Resistivity	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	F-ppm	Acd	Temperature	FCO2	Vol of NaOH (8.3)	Vol of H2SO4 (8.3)	Vol of H2SO4 (4.5)	Vol of H2SO4 (4.2)
560-20447-A-2DU	05/24/2010	3:21 PM	205.00	.00	0.0049	7.74	.00	30.38	30.20	.15	.03	-1.00	-1.00	23.43	1.11	-1.0000	0.000	0.760	0.806
CCVPH	05/24/2010	3:24 PM	-1.00	-1.00	-1.0000	7.04	-1.00	-1.00	-1.00	.00	.01	-1.00	-1.00	23.67	-.18	-1.0000	-1.000	-1.000	-1.000

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Total Dissolved Solids Tare Weight

Method: EPA 160.1 and SM 2540C

Date: 5-24-10 Analyst Initials: TR AD Batch: 169572 Balance ID: 13

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
41	67.6843		
5	73.5651		
117	75.5835		
115	76.7059		
616	77.2725		
600	75.8762		
38	71.1709		
727	79.7037		
48	74.6227		
118	78.3891		
404	79.6441		
101	74.7936		
603	76.5662		
123	74.2202		
607	75.2249		

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
612	76.4424		
114	74.4004		
618	75.9650		
55	76.6831		
23	69.4570		
602	79.8755		
122	77.2381		
954	74.9925		
74	75.6791		
116	77.2391		

Tare Weight Verification:

After Tare 1 has been recorded, the dishes are placed back in the desiccator. After approximately 1 hour, a single dish is removed and reweighed. If the Tare 2 weight is within 0.5mg of the Tare 1 weight, all dishes are ready to use. If the Tare 2 weight is greater than 0.5mg from Tare 1, all remaining dishes must be re-weighed for verification and recorded above.

Dish ID: 123 Balance ID: 13

Tare 1 (g): 74.2202 Tare 2 (g): 74.2200 Pass/Fail: Pass

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Total Dissolved Solids Tare Weight

Method: EPA 160.1 and SM 2540C

Date: 05-26-10 Analyst Initials: MJ AD Batch: 129719 Balance ID: 13

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
4	69.3285		
EH	77.9148		
45	74.9970		
50	77.8858		
48	71.4525		
88	74.2749		
99	73.6076		
110	81.3863		
341	72.5862		
582	74.2383		
69	75.5595		
298	75.9127		
103	76.7729		
102	77.6857		
52	71.0124		

Dish ID	Tare 1 (g) = LIMS Tare Weight	Tare 2 (g) = Verification if the Tare Weight Verification below fails	Pass/Fail
05-26-10 MJ C	601 C	72.4784	
C	619 C	76.0260	
608	76.2176		
615	74.8874		
610	83.7140		
70	77.6934		
244	79.4727		
599	71.3576		
100	77.2827		
340	76.4852		

Tare Weight Verification:

After Tare 1 has been recorded, the dishes are placed back in the desiccator. After approximately 1 hour, a single dish is removed and reweighed. If the Tare 2 weight is within 0.5mg of the Tare 1 weight, all dishes are ready to use. If the Tare 2 weight is greater than 0.5mg from Tare 1, all remaining dishes must be re-weighed for verification and recorded above.

Dish ID: 45 Balance ID: 13

Tare 1 (g): 74.9970 Tare 2 (g): 74.9971 Pass/Fail: PASS

FGE297:10.05.09:0

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THE LEADER IN ENVIRONMENTAL TESTING

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	TOC415.1a		1.000	NPOC:4.665mg/L	Completed	5/26/2010 10:26:39 AM	1
2	TOC415.1a		1.000	!!Failed!! NPOC:-0.5187mg/L	Completed	5/26/2010 10:41:02 AM	2
3	CCV	TOCCALSTD2-20	1.000	NPOC:4.819mg/L	Completed	5/26/2010 11:55:07 AM	1
4	CCB		1.000	!!Failed!! NPOC:-0.3251mg/L	Completed	5/26/2010 12:09:28 PM	2
5	BICARB/CARB		1.000	!!Failed!! NPOC:-0.08396mg/L	Completed	5/26/2010 12:23:51 PM	3
6	LCS	TV=20PPM	1.000	NPOC:18.92mg/L	Completed	5/26/2010 12:40:15 PM	4
7	680-57534-c-1		1.000	NPOC:2.823mg/L	Completed	5/26/2010 12:54:34 PM	5
8	680-57534-b-1	dis	1.000	NPOC:2.413mg/L	Completed	5/26/2010 1:08:56 PM	6
9	680-57534-c-2		1.000	NPOC:1.529mg/L	Completed	5/26/2010 1:23:19 PM	7
10	680-57534-b-2	dis	1.000	NPOC:1.260mg/L	Completed	5/26/2010 1:37:40 PM	8
11	680-57590-c-1		1.000	NPOC:2.706mg/L	Completed	5/26/2010 1:52:02 PM	9
12	680-57590-b-1	dis	1.000	NPOC:2.305mg/L	Completed	5/26/2010 2:06:23 PM	10
13	680-57590-c-2		1.000	NPOC:1.441mg/L	Completed	5/26/2010 2:24:54 PM	11
14	680-57590-b-2	dis	1.000	NPOC:1.171mg/L	Completed	5/26/2010 2:39:14 PM	12
15	CCV		1.000	NPOC:47.84mg/L	Completed	5/26/2010 2:55:39 PM	13
16	CCB		1.000	!!Failed!! NPOC:-0.1879mg/L	Completed	5/26/2010 3:09:59 PM	14
17	MB DIS		1.000	!!Failed!! NPOC:-0.2657mg/L	Completed	5/26/2010 3:24:20 PM	15
18	680-57590-b-2 MS	dis	1.000	NPOC:20.01mg/L	Completed	5/26/2010 3:40:45 PM	16
19	680-57590-b-2 MSD	dis	1.000	NPOC:19.82mg/L	Completed	5/26/2010 3:53:37 PM	16
20	LCS	TV=20PPM	1.000	NPOC:18.99mg/L	Completed	5/26/2010 4:15:33 PM	4
21	680-57715-j-1		1.000	NPOC:1.537mg/L	Completed	5/26/2010 4:29:59 PM	17
22	680-57715-j-2		1.000	NPOC:0.2238mg/L	Completed	5/26/2010 4:46:25 PM	18
23	680-57715-j-3		1.000	NPOC:1.756mg/L	Completed	5/26/2010 5:02:49 PM	19
24	680-57715-j-4		1.000	NPOC:0.9058mg/L	Completed	5/26/2010 5:19:12 PM	20
25	680-57715-j-4 DU		1.000	NPOC:0.8673mg/L	Completed	5/26/2010 5:30:01 PM	20
26	CCV	TOCCALSTD6-22	1.000	NPOC:193.6mg/L	Completed	5/26/2010 5:46:26 PM	21
27	CCB		1.000	!!Failed!! NPOC:-0.1035mg/L	Completed	5/26/2010 6:11:18 PM	22
28	680-57715-j-5		1.000	NPOC:0.9006mg/L	Completed	5/26/2010 6:25:33 PM	23
29	680-57715-j-6		1.000	NPOC:0.7315mg/L	Completed	5/26/2010 6:41:59 PM	24
30	680-57715-j-6 MS		1.000	NPOC:19.86mg/L	Completed	5/26/2010 6:58:23 PM	25
31	680-57715-j-6 MSD		1.000	NPOC:19.60mg/L	Completed	5/26/2010 7:11:15 PM	25
32	680-57874-d-1		1.000	NPOC:5.331mg/L	Completed	5/26/2010 7:29:45 PM	26
33	680-57874-d-2		1.000	NPOC:3.515mg/L	Completed	5/26/2010 7:48:23 PM	27
34	680-57874-d-3		1.000	NPOC:8.840mg/L	Completed	5/26/2010 8:06:46 PM	28
35	680-57874-d-4		1.000	NPOC:3.455mg/L	Completed	5/26/2010 8:25:08 PM	29
36	680-57874-d-5		1.000	NPOC:2.174mg/L	Completed	5/26/2010 8:43:29 PM	30
37	680-57755-i-1		1.000	NPOC:9.154mg/L	Completed	5/26/2010 8:59:48 PM	31
38	CCV	TOCCALSTD4-21	1.000	NPOC:49.52mg/L	Completed	5/26/2010 9:16:18 PM	13
39	CCB		1.000	NPOC:0.1058mg/L	Completed	5/26/2010 9:34:44 PM	14
40	1.0PPM DCS		1.000	NPOC:0.9592mg/L	Completed	5/26/2010 9:53:17 PM	32
41	680-57767-e-1		1.000	NPOC:25.73mg/L	Completed	5/26/2010 10:09:35 PM	33
42	680-57874-1	TC	1.000	TC:8.361mg/L	Completed	5/26/2010 10:19:33 PM	34
43	680-57874-2	TC	1.000	TC:7.451mg/L	Completed	5/26/2010 10:31:36 PM	35
44	680-57874-3	TC	1.000	TC:64.38mg/L	Completed	5/26/2010 10:43:38 PM	36
45	680-57874-4	TC	1.000	TC:22.61mg/L	Completed	5/26/2010 10:55:39 PM	37
46	680-57874-5	TC	1.000	TC:12.74mg/L	Completed	5/26/2010 11:09:44 PM	38
47	CCV	TOCCALSTD6-22	1.000	NPOC:198.0mg/L	Completed	5/26/2010 11:26:08 PM	21
48	CCB		1.000	NPOC:0.1877mg/L	Completed	5/26/2010 11:44:35 PM	22

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	TOC415.1a
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

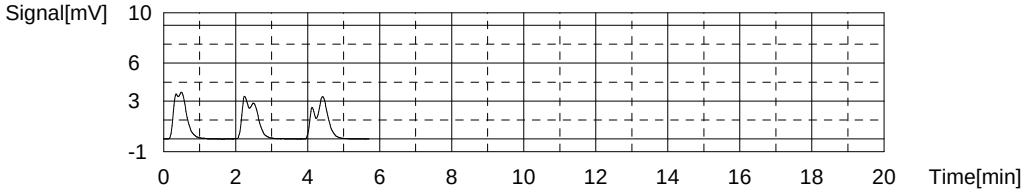
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.665mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.923	4.699mg/L	50uL	1		cal10.2010_05_20_10_00_47.cal	5/26/2010 10:22:33 AM
2	8.894	4.681mg/L	50uL	1		cal10.2010_05_20_10_00_47.cal	5/26/2010 10:24:36 AM
3	8.787	4.615mg/L	50uL	1		cal10.2010_05_20_10_00_47.cal	5/26/2010 10:26:39 AM

Mean Area 8.868
Mean Conc. 4.665mg/L



Sample

Sample Name:	TOC415.1a
Sample ID:	
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

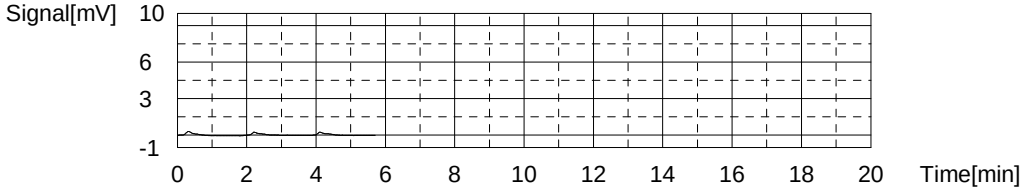
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.5187mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4540	-0.5042mg/L	50uL	1		cal10.2010_05_20_10_00_47.cal	5/26/2010 10:36:55 AM
2	0.4100	-0.5312mg/L	50uL	1		cal10.2010_05_20_10_00_47.cal	5/26/2010 10:38:59 AM
3	0.4268	-0.5209mg/L	50uL	1		cal10.2010_05_20_10_00_47.cal	5/26/2010 10:41:02 AM

Mean Area 0.4303
Mean Conc. -0.5187mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD2-20
Origin: TOC415.1A.met
Status Completed
Chk. Result

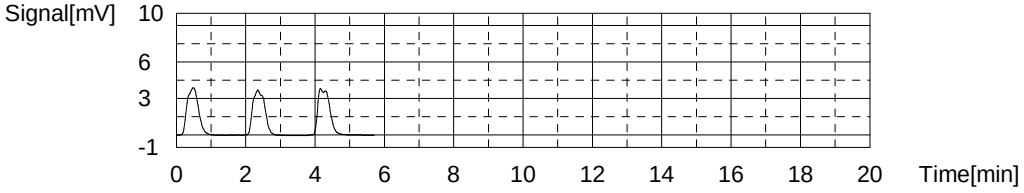
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.819mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.795	4.794mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 11:51:01 AM
2	8.848	4.827mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 11:53:04 AM
3	8.864	4.836mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 11:55:07 AM

Mean Area 8.836
Mean Conc. 4.819mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

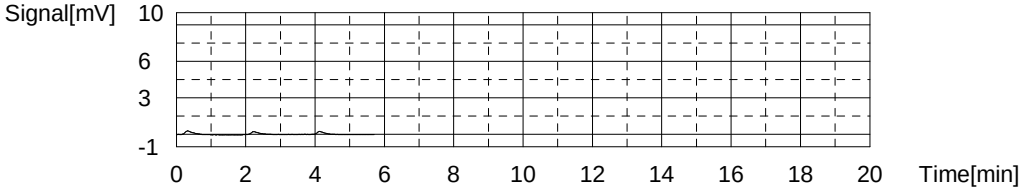
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.3251mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4541	-0.2787mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:05:22 PM
2	0.3377	-0.3495mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:07:25 PM
3	0.3417	-0.3471mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:09:28 PM

Mean Area 0.3778
Mean Conc. -0.3251mg/L



Sample

Sample Name: BICARB/CARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

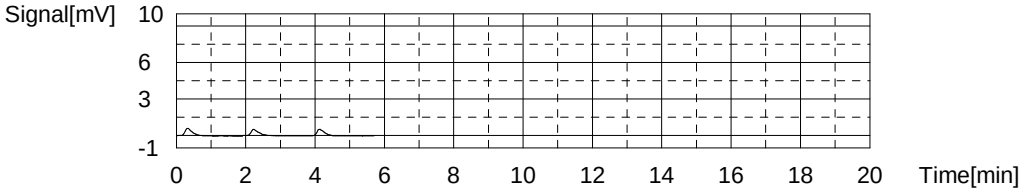
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.08396mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8112	-0.06150mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:19:44 PM
2	0.7565	-0.09477mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:21:47 PM
3	0.7551	-0.09562mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:23:51 PM

Mean Area 0.7743
Mean Conc. -0.08396mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status Completed
Chk. Result

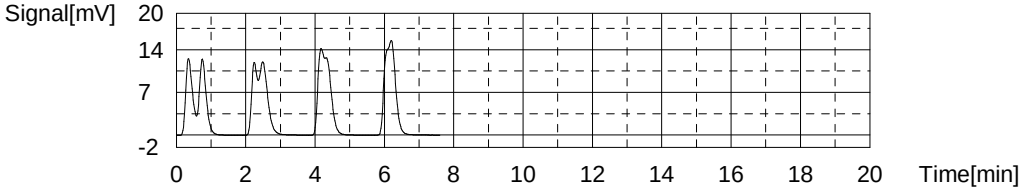
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.69	20.54mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 12:34:05 PM
2	33.87	18.95mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 12:36:08 PM
3	33.92	18.98mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 12:38:11 PM
4	33.64	18.82mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 12:40:15 PM

Mean Area 33.81
Mean Conc. 18.92mg/L



Sample

Sample Name: 680-57534-c-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

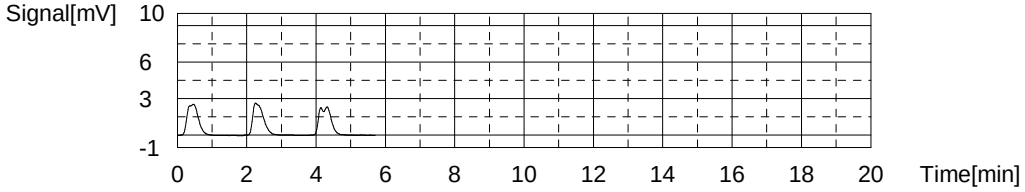
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.823mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.644	2.878mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:50:28 PM
2	5.494	2.787mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:52:31 PM
3	5.522	2.804mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 12:54:34 PM

Mean Area 5.553
Mean Conc. 2.823mg/L



Sample

Sample Name: 680-57534-b-1
Sample ID: dis
Origin: TOC415.1A.met
Status Completed
Chk. Result

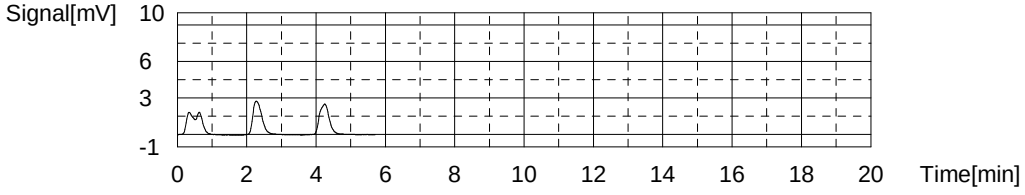
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.413mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.971	2.469mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:04:50 PM
2	4.887	2.417mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:06:53 PM
3	4.781	2.353mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:08:56 PM

Mean Area 4.880
Mean Conc. 2.413mg/L



Sample

Sample Name: 680-57534-c-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

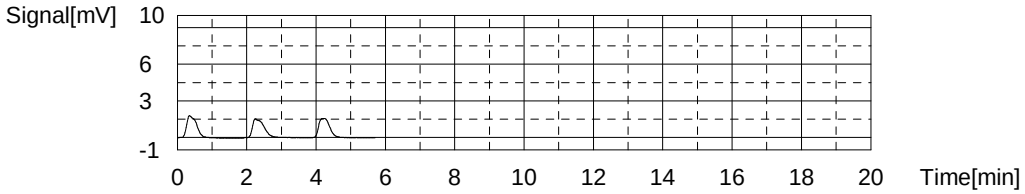
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.529mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.474	1.558mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:19:12 PM
2	3.436	1.535mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:21:15 PM
3	3.368	1.494mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:23:19 PM

Mean Area 3.426
Mean Conc. 1.529mg/L



Sample

Sample Name: 680-57534-b-2
Sample ID: dis
Origin: TOC415.1A.met
Status Completed
Chk. Result

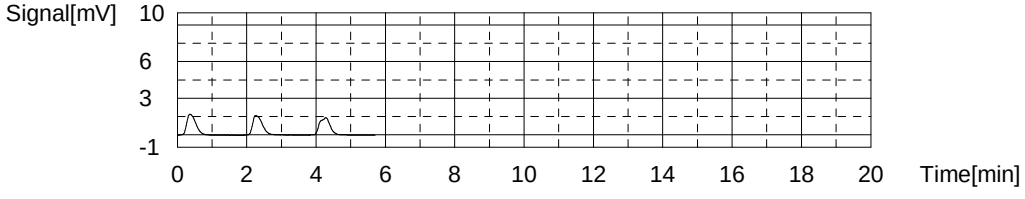
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.260mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.039	1.293mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:33:33 PM
2	3.002	1.271mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:35:37 PM
3	2.909	1.214mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:37:40 PM

Mean Area 2.983
Mean Conc. 1.260mg/L



Sample

Sample Name: 680-57590-c-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

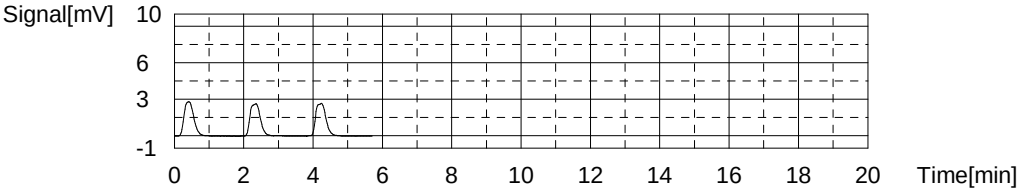
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.706mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.375	2.714mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:47:55 PM
2	5.364	2.708mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:49:58 PM
3	5.347	2.697mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 1:52:02 PM

Mean Area 5.362
Mean Conc. 2.706mg/L



Sample

Sample Name: 680-57590-b-1
Sample ID: dis
Origin: TOC415.1A.met
Status Completed
Chk. Result

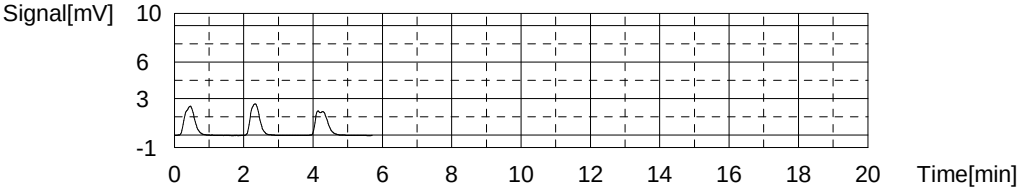
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.305mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.719	2.315mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:02:16 PM
2	4.703	2.306mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:04:19 PM
3	4.683	2.293mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:06:23 PM

Mean Area 4.702
Mean Conc. 2.305mg/L



Sample

Sample Name: 680-57590-c-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

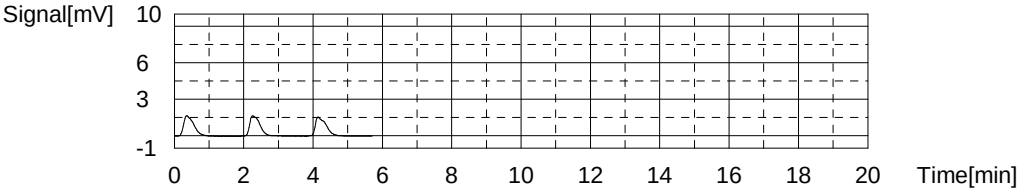
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.441mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.360	1.489mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:20:48 PM
2	3.284	1.442mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:22:51 PM
3	3.201	1.392mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:24:54 PM

Mean Area 3.282
Mean Conc. 1.441mg/L



Sample

Sample Name: 680-57590-b-2
Sample ID: dis
Origin: TOC415.1A.met
Status Completed
Chk. Result

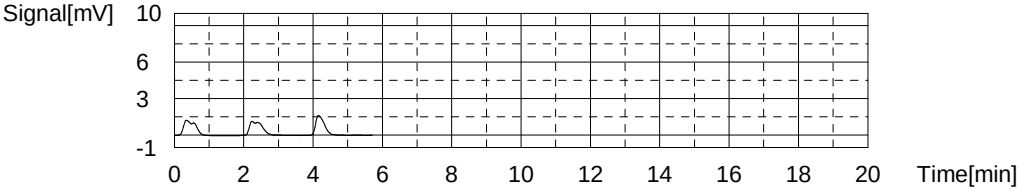
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.171mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.883	1.199mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:35:08 PM
2	2.829	1.166mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:37:11 PM
3	2.800	1.148mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 2:39:14 PM

Mean Area 2.837
Mean Conc. 1.171mg/L



Sample

Sample Name: CCV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

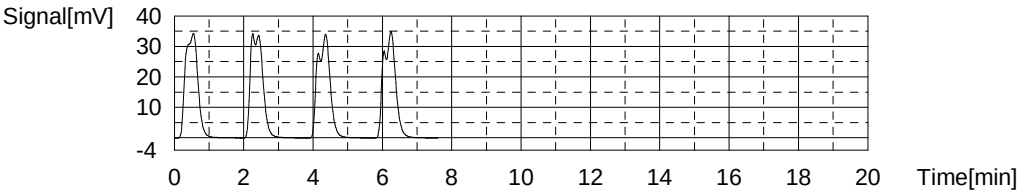
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:47.84mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	84.90	51.08mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 2:49:30 PM
2	84.66	47.96mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 2:51:33 PM
3	84.18	47.69mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 2:53:36 PM
4	84.47	47.85mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 2:55:39 PM

Mean Area 84.44
Mean Conc. 47.84mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

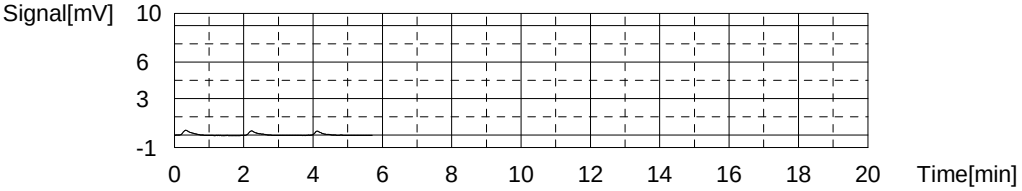
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1879mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6642	-0.1509mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 3:05:53 PM
2	0.6441	-0.1631mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 3:07:56 PM
3	0.5020	-0.2496mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 3:09:59 PM

Mean Area 0.6034
Mean Conc. -0.1879mg/L



Sample

Sample Name: MB DIS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

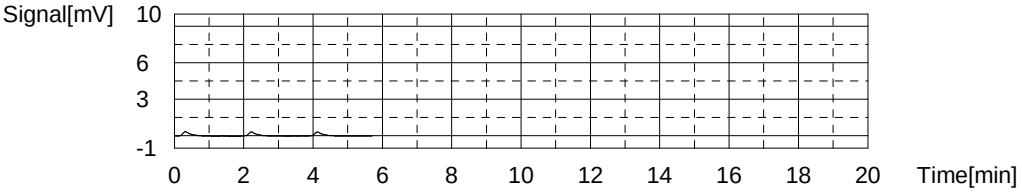
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2657mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5141	-0.2422mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 3:20:14 PM
2	0.4485	-0.2821mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 3:22:17 PM
3	0.4637	-0.2728mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 3:24:20 PM

Mean Area 0.4754
Mean Conc. -0.2657mg/L



Sample

Sample Name: 680-57590-b-2 MS
Sample ID: dis
Origin: TOC415.1A.met
Status Completed
Chk. Result

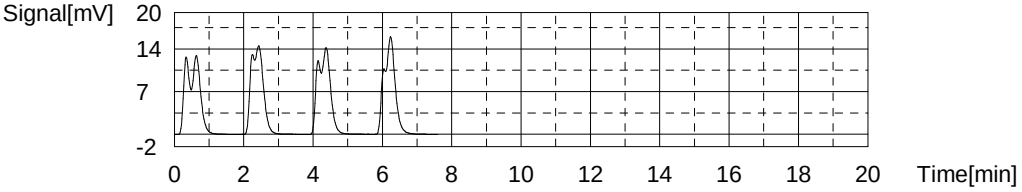
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:20.01mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.82	21.23mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 3:34:36 PM
2	35.87	20.10mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 3:36:39 PM
3	35.84	20.08mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 3:38:42 PM
4	35.45	19.86mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 3:40:45 PM

Mean Area 35.72
Mean Conc. 20.01mg/L



Sample

Sample Name: 680-57590-b-2 MSD
Sample ID: dis
Origin: TOC415.1A.met
Status Completed
Chk. Result

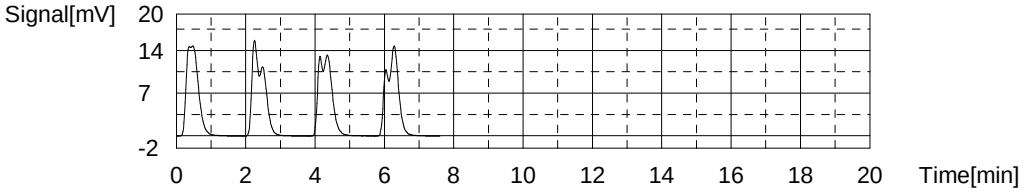
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.46	21.01mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 3:47:27 PM
2	35.55	19.91mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 3:49:31 PM
3	35.43	19.84mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 3:51:34 PM
4	35.19	19.71mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 3:53:37 PM

Mean Area 35.39
Mean Conc. 19.82mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status Completed
Chk. Result

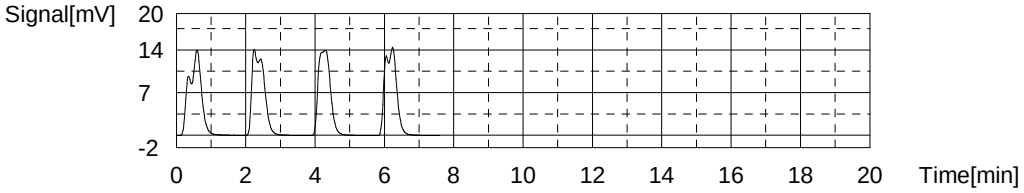
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.99mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.94	20.09mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 4:09:22 PM
2	33.93	18.99mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 4:11:26 PM
3	33.87	18.95mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 4:13:29 PM
4	33.98	19.02mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 4:15:33 PM

Mean Area 33.93
Mean Conc. 18.99mg/L



Sample

Sample Name: 680-57715-j-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

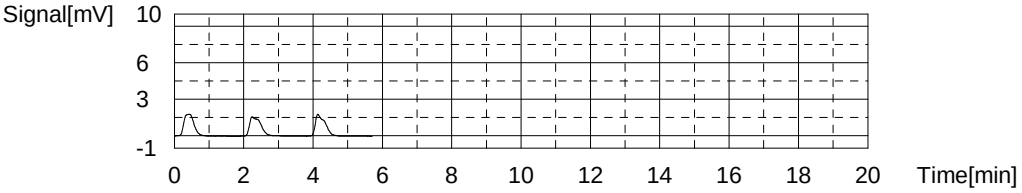
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.537mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.507	1.578mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 4:25:53 PM
2	3.409	1.519mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 4:27:56 PM
3	3.402	1.514mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 4:29:59 PM

Mean Area 3.439
Mean Conc. 1.537mg/L



Sample

Sample Name: 680-57715-j-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

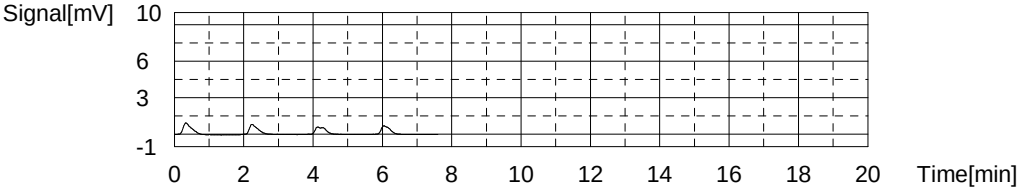
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2238mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.599	0.4176mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 4:40:14 PM
2	1.393	0.2924mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 4:42:18 PM
3	1.244	0.2017mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 4:44:21 PM
4	1.204	0.1774mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 4:46:25 PM

Mean Area 1.280
Mean Conc. 0.2238mg/L



Sample

Sample Name: 680-57715-j-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

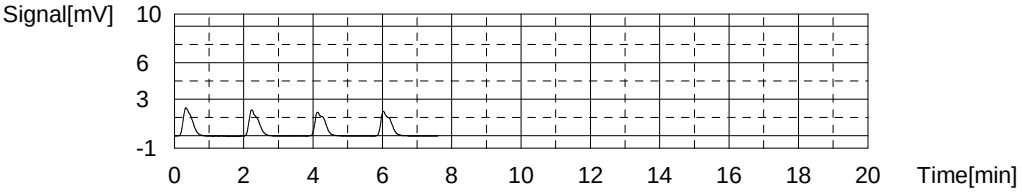
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.756mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.035	1.899mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 4:56:39 PM
2	3.856	1.790mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 4:58:42 PM
3	3.729	1.713mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 5:00:45 PM
4	3.811	1.763mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 5:02:49 PM

Mean Area 3.799
Mean Conc. 1.756mg/L



Sample

Sample Name: 680-57715-j-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

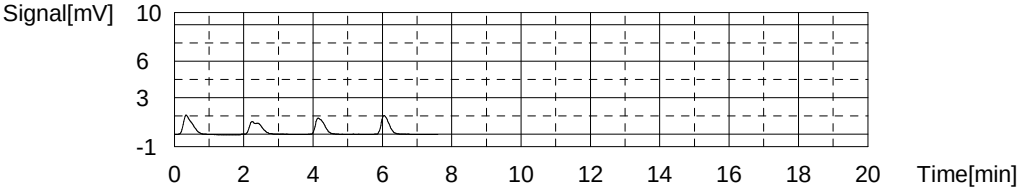
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9058mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.796	1.146mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 5:13:02 PM
2	2.429	0.9225mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 5:15:06 PM
3	2.392	0.9000mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 5:17:09 PM
4	2.384	0.8951mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 5:19:12 PM

Mean Area 2.402
Mean Conc. 0.9058mg/L



Sample

Sample Name: 680-57715-j-4 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

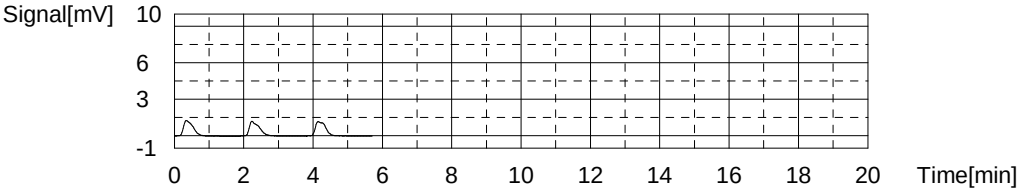
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.8673mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.376	0.8902mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 5:25:55 PM
2	2.325	0.8592mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 5:27:58 PM
3	2.314	0.8525mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 5:30:01 PM

Mean Area 2.338
Mean Conc. 0.8673mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status Completed
Chk. Result

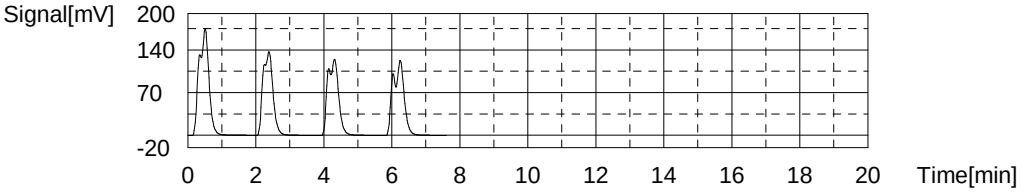
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:193.6mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	351.7	213.4mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 5:40:16 PM
2	280.1	194.8mg/L	40uL	1		cal500a.2010_05_18_17_45_50.cal	5/26/2010 5:42:19 PM
3	277.4	192.9mg/L	40uL	1		cal500a.2010_05_18_17_45_50.cal	5/26/2010 5:44:23 PM
4	277.8	193.2mg/L	40uL	1		cal500a.2010_05_18_17_45_50.cal	5/26/2010 5:46:26 PM

Mean Area 278.4
Mean Conc. 193.6mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

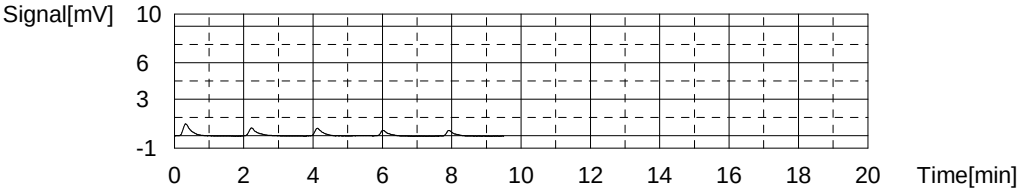
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1035mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.460	0.3331mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 6:03:05 PM
2	1.013	0.06124mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 6:05:08 PM
3	0.9282	0.00966mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:07:12 PM
4	0.6470	-0.1614mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:09:15 PM
5	0.6514	-0.1587mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:11:18 PM

Mean Area 0.7422
Mean Conc. -0.1035mg/L



Sample

Sample Name: 680-57715-j-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

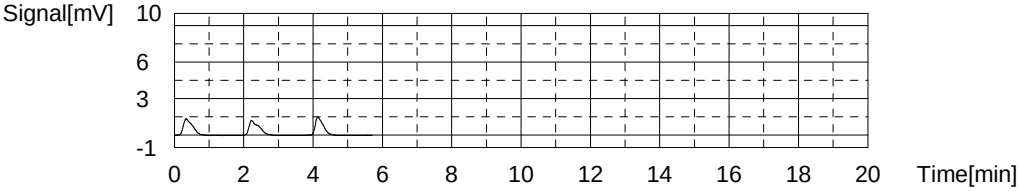
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9006mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.461	0.9419mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:21:26 PM
2	2.358	0.8793mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:23:30 PM
3	2.360	0.8805mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:25:33 PM

Mean Area 2.393
Mean Conc. 0.9006mg/L



Sample

Sample Name: 680-57715-j-6
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

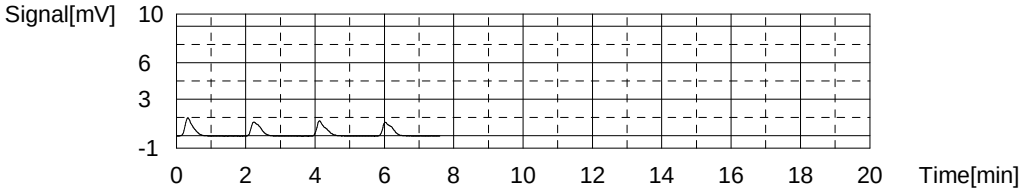
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.7315mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.334	0.8647mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 6:35:49 PM
2	2.122	0.7357mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:37:52 PM
3	2.146	0.7503mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:39:55 PM
4	2.077	0.7084mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 6:41:59 PM

Mean Area 2.115
Mean Conc. 0.7315mg/L



Sample

Sample Name: 680-57715-j-6 MS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

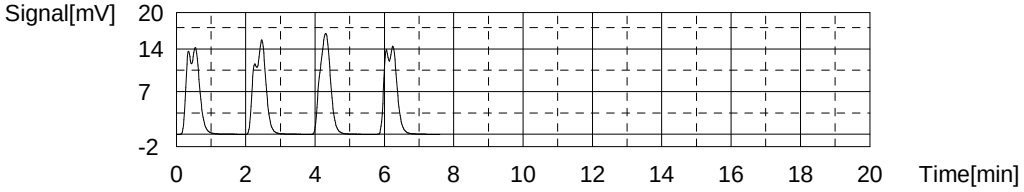
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.86mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.67	21.14mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 6:52:13 PM
2	35.78	20.04mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 6:54:17 PM
3	35.33	19.79mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 6:56:20 PM
4	35.25	19.74mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 6:58:23 PM

Mean Area 35.45
Mean Conc. 19.86mg/L



Sample

Sample Name: 680-57715-j-6 MSD
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

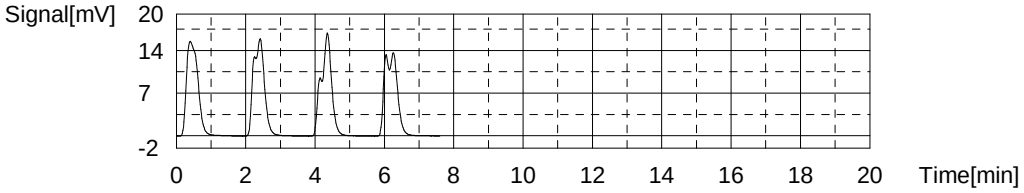
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.60mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.54	21.06mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 7:05:06 PM
2	35.20	19.71mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 7:07:09 PM
3	34.95	19.57mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 7:09:12 PM
4	34.85	19.51mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 7:11:15 PM

Mean Area 35.00
Mean Conc. 19.60mg/L



Sample

Sample Name: 680-57874-d-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

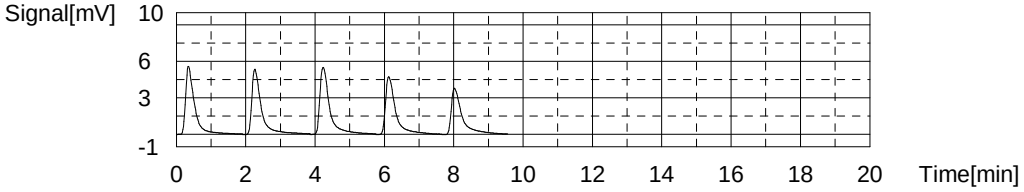
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.331mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.643	5.310mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 7:21:29 PM
2	9.967	5.507mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 7:23:35 PM
3	10.60	5.892mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 7:25:39 PM
4	9.423	5.176mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 7:27:42 PM
5	8.175	4.417mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 7:29:45 PM

Mean Area 9.678
Mean Conc. 5.331mg/L



Sample

Sample Name: 680-57874-d-2
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

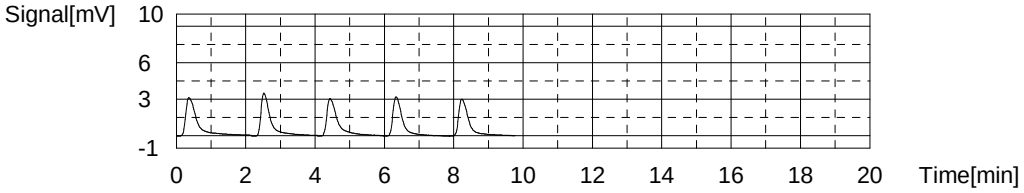
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.515mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.003	3.704mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 7:40:10 PM
2	6.585	3.450mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 7:42:13 PM
3	6.488	3.391mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 7:44:16 PM
4	5.903	3.035mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 7:46:20 PM
5	5.776	2.958mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 7:48:23 PM

Mean Area 6.692
Mean Conc. 3.515mg/L



Sample

Sample Name: 680-57874-d-3
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

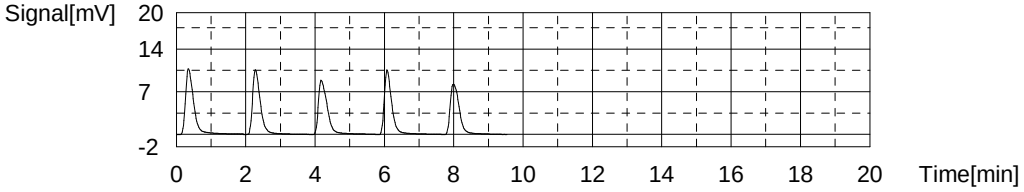
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.840mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.67	10.19mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 7:58:33 PM
2	16.48	9.468mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 8:00:37 PM
3	15.66	8.970mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:02:40 PM
4	15.72	9.006mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:04:43 PM
5	14.96	8.544mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:06:46 PM

Mean Area 15.45
Mean Conc. 8.840mg/L



Sample

Sample Name: 680-57874-d-4
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

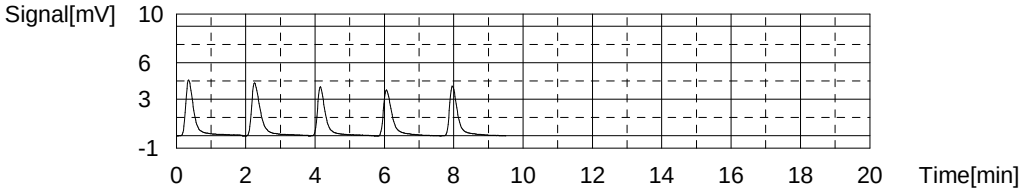
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.455mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.466	3.986mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 8:16:55 PM
2	7.890	4.244mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 8:18:58 PM
3	6.373	3.321mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:21:01 PM
4	6.684	3.510mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:23:05 PM
5	6.723	3.534mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:25:08 PM

Mean Area 6.593
Mean Conc. 3.455mg/L



Sample

Sample Name: 680-57874-d-5
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

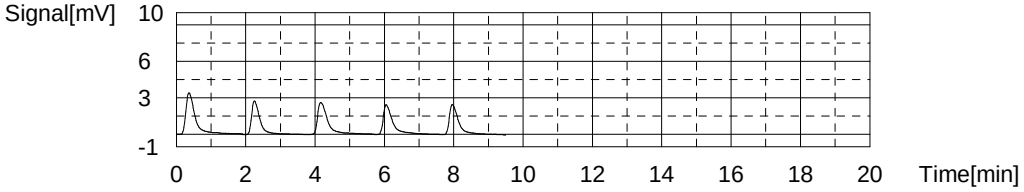
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.174mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.182	3.205mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 8:35:16 PM
2	4.516	2.192mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:37:20 PM
3	5.114	2.556mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 8:39:23 PM
4	4.547	2.211mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:41:26 PM
5	4.395	2.118mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:43:29 PM

Mean Area 4.486
Mean Conc. 2.174mg/L



Sample

Sample Name: 680-57755-i-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

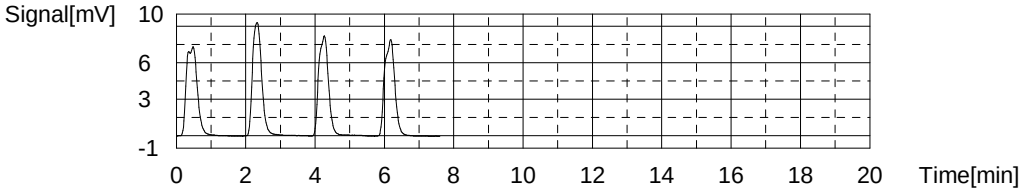
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:9.154mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.90	9.116mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:53:38 PM
2	16.98	9.773mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 8:55:41 PM
3	15.97	9.158mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:57:44 PM
4	16.02	9.189mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 8:59:48 PM

Mean Area 15.96
Mean Conc. 9.154mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-21
Origin: TOC415.1A.met
Status Completed
Chk. Result

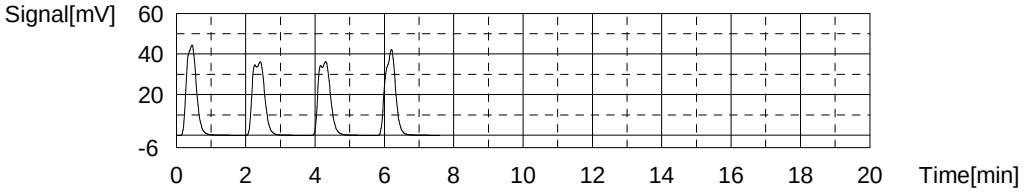
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.52mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	87.89	52.90mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 9:10:08 PM
2	88.00	49.87mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 9:12:12 PM
3	87.00	49.30mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 9:14:15 PM
4	87.14	49.38mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 9:16:18 PM

Mean Area 87.38
Mean Conc. 49.52mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

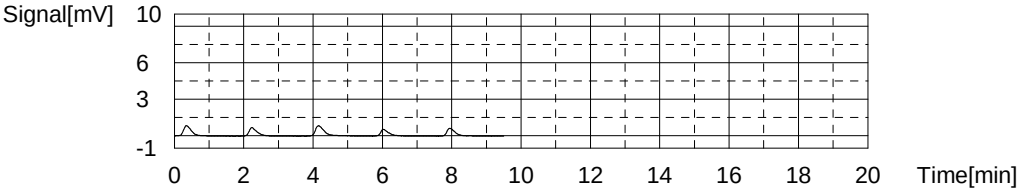
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1058mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.233	0.1950mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 9:26:31 PM
2	1.073	0.09773mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 9:28:34 PM
3	1.360	0.2723mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 9:30:37 PM
4	0.7907	-0.07397mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 9:32:41 PM
5	0.9526	0.02450mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 9:34:44 PM

Mean Area 1.086
Mean Conc. 0.1058mg/L



Sample

Sample Name: 1.0PPM DCS
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

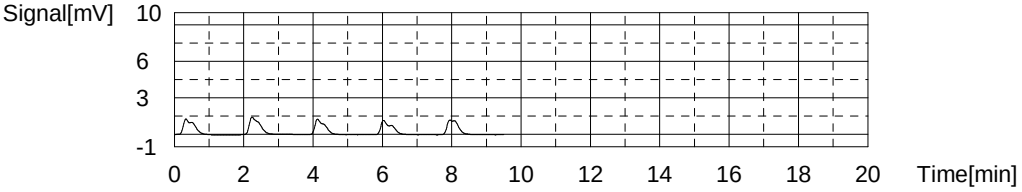
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9592mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.716	1.097mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 9:45:03 PM
2	2.879	1.196mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 9:47:07 PM
3	2.437	0.9273mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 9:49:10 PM
4	2.431	0.9237mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 9:51:13 PM
5	2.600	1.026mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 9:53:17 PM

Mean Area 2.489
Mean Conc. 0.9592mg/L



Sample

Sample Name: 680-57767-e-1
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

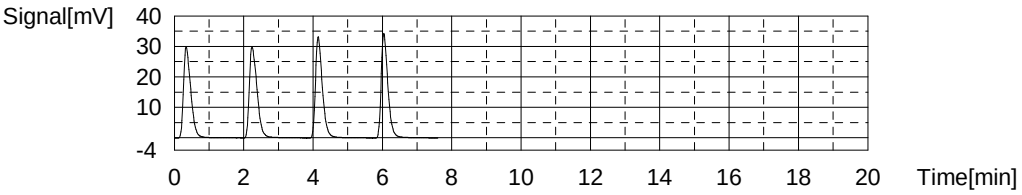
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:25.73mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	43.12	25.67mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 10:03:25 PM
2	46.00	25.88mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:05:28 PM
3	45.62	25.66mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:07:32 PM
4	45.59	25.65mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:09:35 PM

Mean Area 45.74
Mean Conc. 25.73mg/L



Sample

Sample Name: 680-57874-1
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

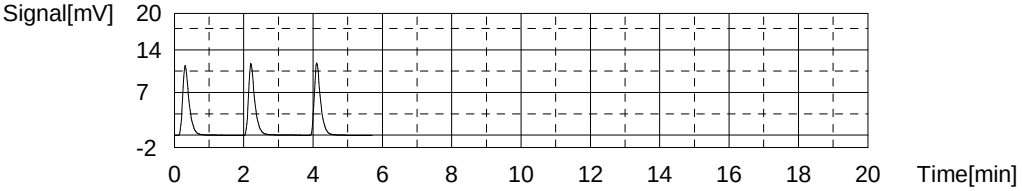
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:8.361mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.43	8.222mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 10:15:27 PM
2	14.77	8.428mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 10:17:30 PM
3	14.78	8.434mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 10:19:33 PM

Mean Area 14.66
Mean Conc. 8.361mg/L



Sample

Sample Name: 680-57874-2
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

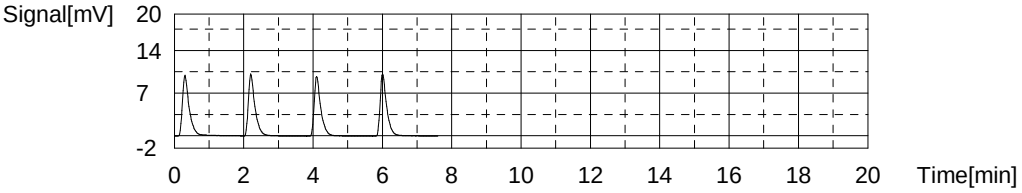
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:7.451mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.28	7.522mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 10:25:26 PM
2	13.24	7.498mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 10:27:30 PM
3	12.66	7.145mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 10:29:33 PM
4	12.97	7.334mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 10:31:36 PM

Mean Area 13.16
Mean Conc. 7.451mg/L



Sample

Sample Name: 680-57874-3
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

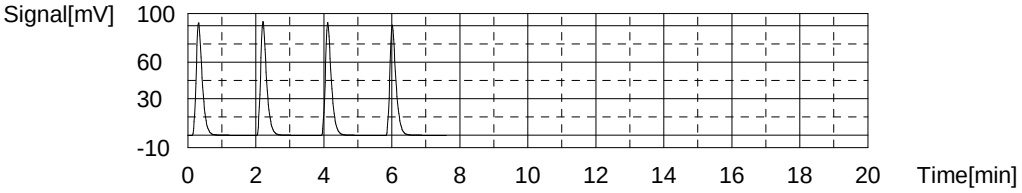
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:64.38mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	113.6	68.54mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 10:37:28 PM
2	114.3	64.89mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:39:31 PM
3	113.2	64.26mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:41:35 PM
4	112.7	63.98mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:43:38 PM

Mean Area 113.4
Mean Conc. 64.38mg/L



Sample

Sample Name: 680-57874-4
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

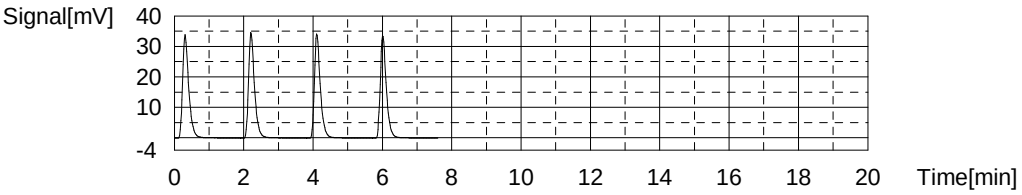
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:22.61mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.90	24.32mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 10:49:30 PM
2	40.85	22.94mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:51:33 PM
3	39.99	22.45mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:53:36 PM
4	39.95	22.43mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 10:55:39 PM

Mean Area 40.26
Mean Conc. 22.61mg/L



Sample

Sample Name: 680-57874-5
Sample ID: TC
Origin: TC415.1.met
Status Completed
Chk. Result

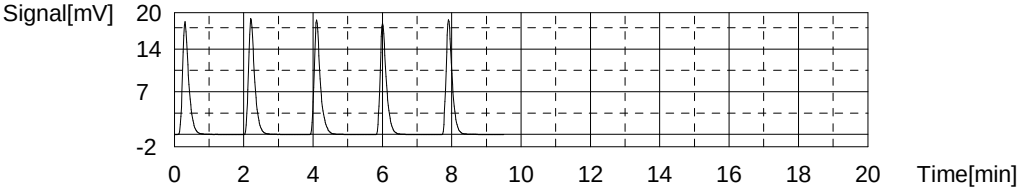
Type	Anal.	Dil.	Result
Unknown	TC	1.000	TC:12.74mg/L

1. Det

Anal.: TC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	22.48	13.12mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 11:01:31 PM
2	23.37	12.96mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 11:03:34 PM
3	22.87	12.67mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 11:05:38 PM
4	22.17	12.27mg/L	50uL	1	E	cal100a.2010_05_18_17_05_41.cal	5/26/2010 11:07:41 PM
5	22.71	12.58mg/L	50uL	1		cal100a.2010_05_18_17_05_41.cal	5/26/2010 11:09:44 PM

Mean Area 22.98
Mean Conc. 12.74mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-22
Origin: TOC415.1A.met
Status Completed
Chk. Result

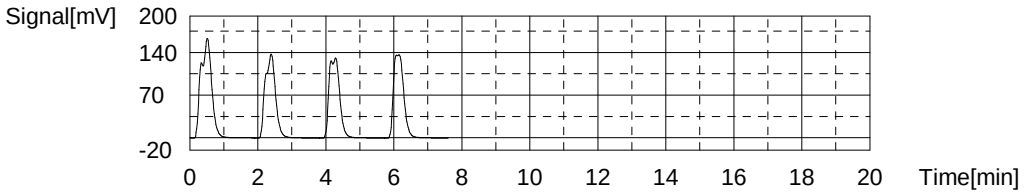
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:198.0mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	358.1	217.2mg/L	50uL	1	R	cal10.2010_05_26_10_55_21.cal	5/26/2010 11:19:58 PM
2	287.2	199.7mg/L	40uL	1		cal500a.2010_05_18_17_45_50.cal	5/26/2010 11:22:01 PM
3	282.4	196.4mg/L	40uL	1		cal500a.2010_05_18_17_45_50.cal	5/26/2010 11:24:05 PM
4	284.9	198.1mg/L	40uL	1		cal500a.2010_05_18_17_45_50.cal	5/26/2010 11:26:08 PM

Mean Area 284.8
Mean Conc. 198.0mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

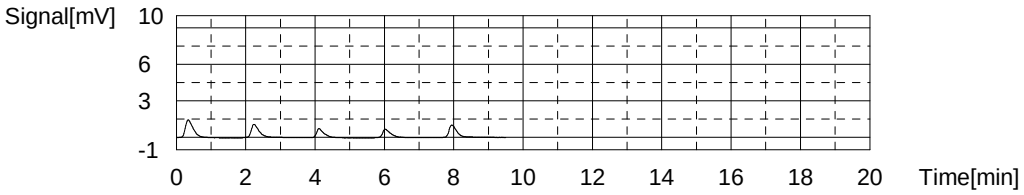
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1877mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.223	0.7972mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 11:36:22 PM
2	1.643	0.4444mg/L	50uL	1	E	cal10.2010_05_26_10_55_21.cal	5/26/2010 11:38:25 PM
3	1.050	0.08374mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 11:40:28 PM
4	1.061	0.09043mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 11:42:32 PM
5	1.552	0.3891mg/L	50uL	1		cal10.2010_05_26_10_55_21.cal	5/26/2010 11:44:35 PM

Mean Area 1.221
Mean Conc. 0.1877mg/L



	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	cal100		1.000		Completed	5/18/2010 5:45:50 PM	2, 5, 6, 7
2	cal500		1.000		Completed	5/18/2010 6:25:58 PM	3, 7, 8, 9
3	cal10		1.000		Completed	5/26/2010 11:34:19 AM	1, 2, 3, 4

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

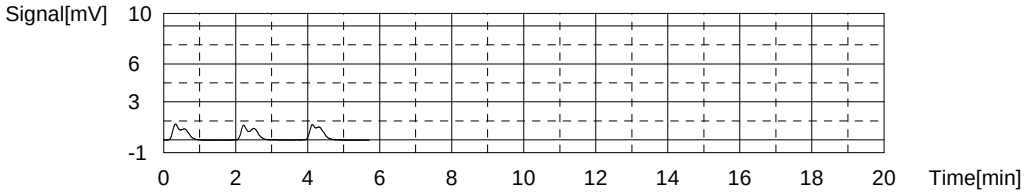
Sample Name:	cal100
Sample ID:	
Cal. Curve:	cal100a.2010_05_18_17_05_41.cal
Status	Completed

Type	Anal.
Standard	TC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.860	50uL	1	*******		5/18/2010 5:11:48 PM
2	2.770	50uL	1	*******		5/18/2010 5:13:51 PM
3	2.764	50uL	1	*******		5/18/2010 5:15:54 PM

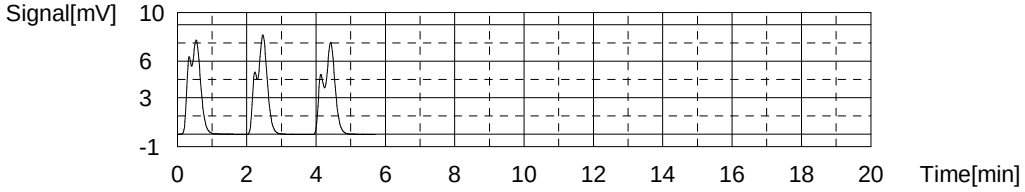
Acid Add. 0.000%
Mean Area 2.798



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.14	50uL	1	*******		5/18/2010 5:21:47 PM
2	18.02	50uL	1	*******		5/18/2010 5:23:50 PM
3	18.09	50uL	1	*******		5/18/2010 5:25:53 PM

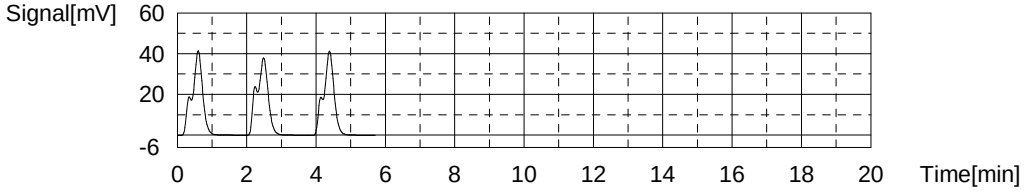
Acid Add. 0.000%
Mean Area 18.08



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	88.19	50uL	1	*******		5/18/2010 5:31:45 PM
2	87.88	50uL	1	*******		5/18/2010 5:33:48 PM
3	87.06	50uL	1	*******		5/18/2010 5:35:51 PM

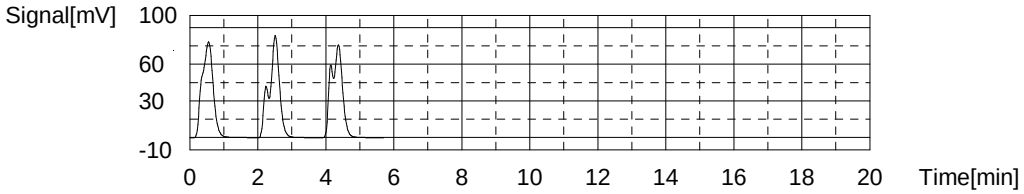
Acid Add. 0.000%
Mean Area 87.71



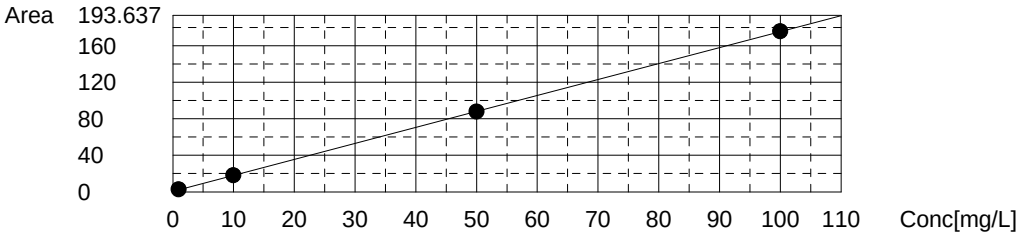
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	176.6	50uL	1	*******		5/18/2010 5:41:43 PM
2	176.8	50uL	1	*******		5/18/2010 5:43:46 PM
3	174.7	50uL	1	*******		5/18/2010 5:45:50 PM

Acid Add. 0.000%
Mean Area 176.0



Slope: 1.751
Intercept 0.6857
r^2 0.999974
r 0.999987
Zero Shift No



Cal. Curve

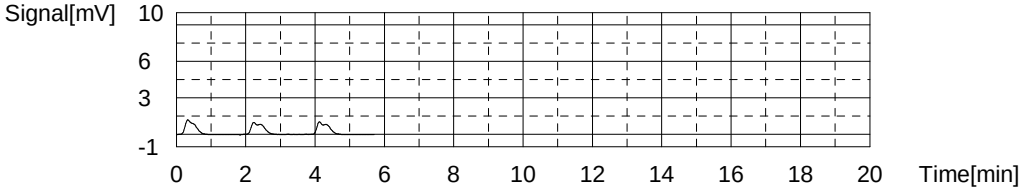
Sample Name: cal500
Sample ID:
Cal. Curve: cal500a.2010_05_18_17_45_50.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.373	40uL	1	*******		5/18/2010 5:51:56 PM
2	2.323	40uL	1	*******		5/18/2010 5:53:59 PM
3	2.224	40uL	1	*******		5/18/2010 5:56:02 PM

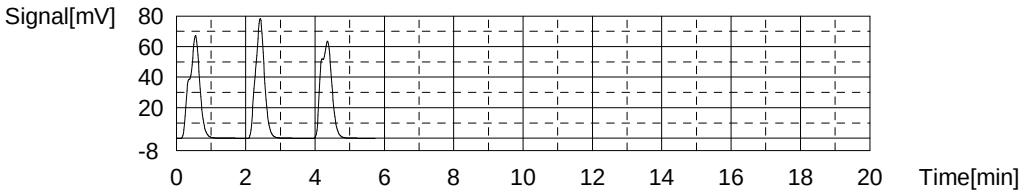
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.307



Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	140.7	40uL	1	*******		5/18/2010 6:01:57 PM
2	139.9	40uL	1	*******		5/18/2010 6:04:00 PM
3	140.8	40uL	1	*******		5/18/2010 6:06:03 PM

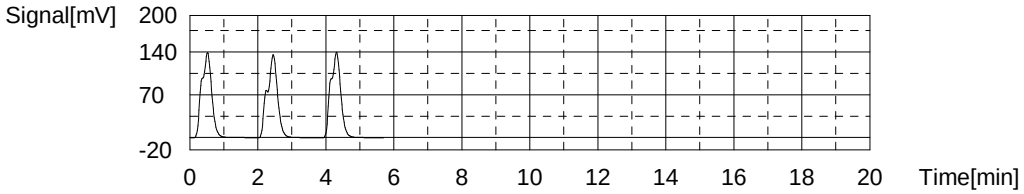
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 140.5



Conc: 200.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	285.2	40uL	1	*******		5/18/2010 6:11:54 PM
2	284.4	40uL	1	*******		5/18/2010 6:13:57 PM
3	285.5	40uL	1	*******		5/18/2010 6:16:01 PM

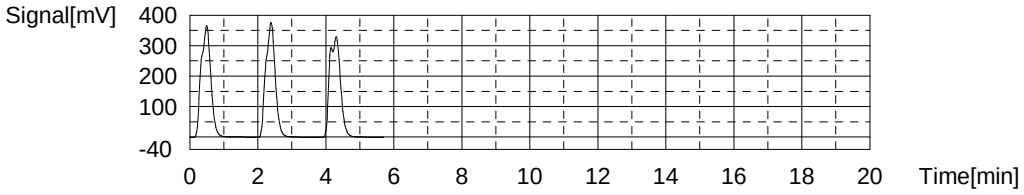
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 285.0



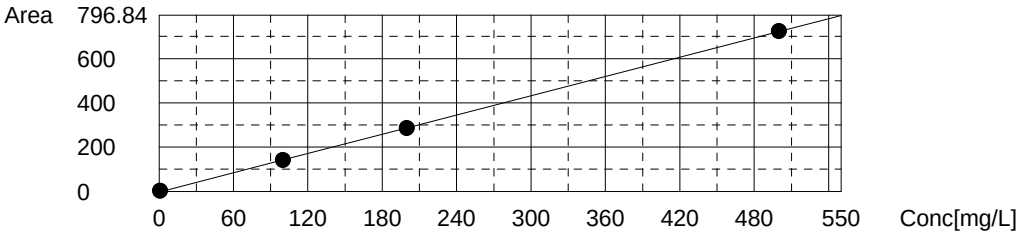
Conc: 500.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	723.0	40uL	1	*******		5/18/2010 6:21:52 PM
2	725.1	40uL	1	*******		5/18/2010 6:23:55 PM
3	725.1	40uL	1	*******		5/18/2010 6:25:58 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 724.4



Slope: 1.451
Intercept -2.462
r^2 0.999915
r 0.999958
Zero Shift No



Cal. Curve

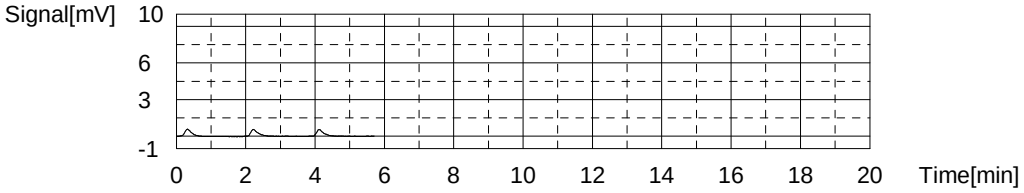
Sample Name: cal10
Sample ID:
Cal. Curve: cal10.2010_05_26_10_55_21.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.7840	50uL	1	*******		5/26/2010 11:00:18 AM
2	0.8132	50uL	1	*******		5/26/2010 11:02:21 AM
3	0.7448	50uL	1	*******		5/26/2010 11:04:25 AM

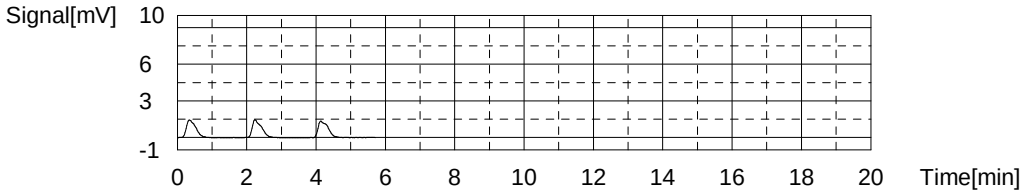
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 0.7807



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.660	50uL	1	*******		5/26/2010 11:10:17 AM
2	2.686	50uL	1	*******		5/26/2010 11:12:20 AM
3	2.627	50uL	1	*******		5/26/2010 11:14:23 AM

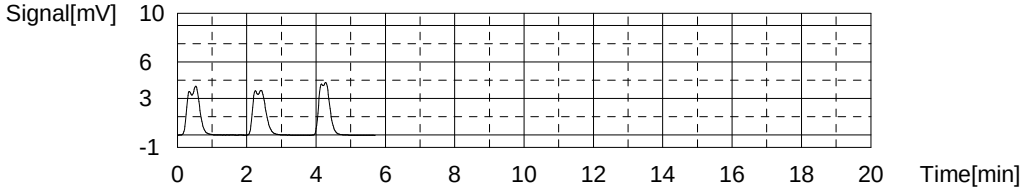
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.658



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	9.282	50uL	1	*******		5/26/2010 11:20:16 AM
2	9.201	50uL	1	*******		5/26/2010 11:22:19 AM
3	9.160	50uL	1	*******		5/26/2010 11:24:22 AM

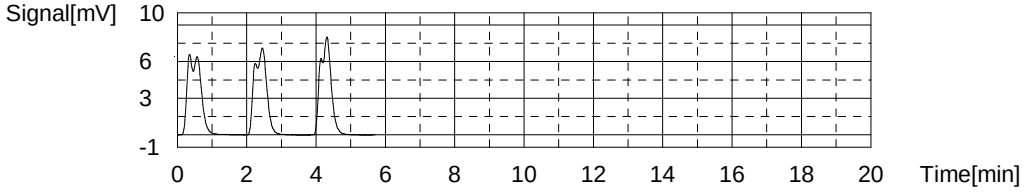
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 9.214



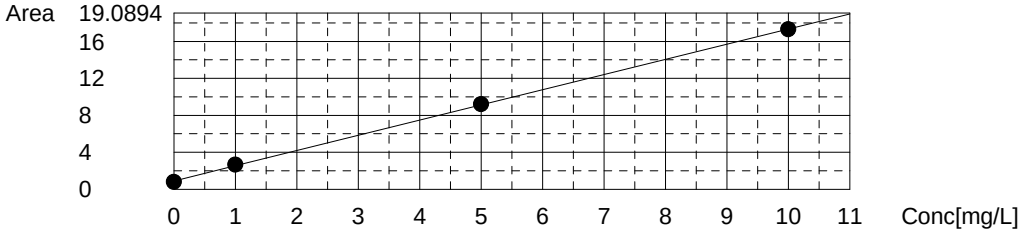
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.35	50uL	1	*******		5/26/2010 11:30:14 AM
2	17.27	50uL	1	*******		5/26/2010 11:32:18 AM
3	17.29	50uL	1	*******		5/26/2010 11:34:19 AM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 17.30



Slope: 1.644
Intercept 0.9123
r^2 0.999781
r 0.999890
Zero Shift No



General Chemistry Worksheet

Batch Number: 680-169104
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 19 2010 9:57AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	All_Anions_00019	Anion-1_00042	Anion-2_00041	Anion-3_00038
IC~680-169104/1		300.0			5 mL		5 mL		
IC~680-169104/2		300.0			5 mL			5 mL	
IC~680-169104/3		300.0			5 mL				5 mL
IC~680-169104/4		300.0			5 mL				
IC~680-169104/5		300.0			5 mL				
IC~680-169104/6		300.0			5 mL				
MB~680-169104/7					5 mL				
LCS~680-169104/8					5 mL				
680-57433-F-2			T		5 mL				
680-57433-F-3			T		5 mL				
680-57433-F-4			T		5 mL				
680-57433-F-5			T		5 mL				
680-57433-F-6			T		5 mL				
680-57433-F-6~MS			T		5 mL	50 uL			
680-57433-F-7			T		5 mL				
680-57433-F-8			T		5 mL				
680-57433-F-9			T		5 mL				
CCV~680-169104/18					5 mL				
CCB~680-169104/19					5 mL				
680-57433-F-10			T		5 mL				
680-57433-F-11			T		5 mL				
680-57433-F-11~MS			T		5 mL	50 uL			
680-57713-D-1			T	1.0 mL	5 mL				
CCV~680-169104/24					5 mL				
CCB~680-169104/25					5 mL				

General Chemistry Worksheet

Batch Number: 680-169104
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 19 2010 9:57AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Anion-4_00050	Anion-5_00042	Anion-6_00037	Anion_ICV_00040
IC~680-169104/1		300.0					
IC~680-169104/2		300.0					
IC~680-169104/3		300.0					
IC~680-169104/4		300.0		5 mL			
IC~680-169104/5		300.0			5 mL		
IC~680-169104/6		300.0				5 mL	
MB~680-169104/7							
LCS~680-169104/8							5 mL
680-57433-F-2			T				
680-57433-F-3			T				
680-57433-F-4			T				
680-57433-F-5			T				
680-57433-F-6			T				
680-57433-F-6~MS			T				
680-57433-F-7			T				
680-57433-F-8			T				
680-57433-F-9			T				
CCV~680-169104/18				5 mL			
CCB~680-169104/19							
680-57433-F-10			T				
680-57433-F-11			T				
680-57433-F-11~MS			T				
680-57713-D-1			T				
CCV~680-169104/24				5 mL			
CCB~680-169104/25							

Filter Lot #: P/N 038009
Eluent 1 Lot: SN 100301535013
Regeneration Solution Lot: N/A
Ethylenediamine Lot: N/S

General Chemistry Worksheet

Batch Number: 680-169104
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 19 2010 9:57AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
IC~680-169104/1		300.0		
IC~680-169104/2		300.0		
IC~680-169104/3		300.0		
IC~680-169104/4		300.0		
IC~680-169104/5		300.0		
IC~680-169104/6		300.0		
MB~680-169104/7				
LCS~680-169104/8				
680-57433-F-2			T	
680-57433-F-3			T	
680-57433-F-4			T	
680-57433-F-5			T	
680-57433-F-6			T	
680-57433-F-6~MS			T	
680-57433-F-7			T	
680-57433-F-8			T	
680-57433-F-9			T	
CCV~680-169104/18				
CCB~680-169104/19				
680-57433-F-10			T	
680-57433-F-11			T	
680-57433-F-11~MS			T	
680-57713-D-1			T	
CCV~680-169104/24				
CCB~680-169104/25				

Batch Comment: NONE

General Chemistry Worksheet

Batch Number: 680-169440
Method: 160.2
Analyst: Robinson, Tiffany

Date Open: May 23 2010 9:48AM
Batch End: May 24 2010 5:45PM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-169440/1		SM 2540D		P9312	0.1157 g	200 mL	0.1158 g	0.1158 g	0 g
LCS~680-169440/2		SM 2540D		P9313	0.1178 g	200 mL	0.1364 g	0.1365 g	0 g
LCSD~680-169440/3		SM 2540D		P9314	0.1182 g	200 mL	0.1373 g	0.1372 g	0 g
680-57761-J-2			T	P9316	0.1162 g	200 mL	0.1167 g	0.1168 g	0 g
680-57761-J-2			T	P9317	0.1189 g	200 mL	0.1192 g	0.1192 g	0 g
680-57775-D-3			T	P9318	0.1149 g	170 mL	0.1331 g	0.1334 g	0 g
680-57775-C-1			T	P9319	0.1156 g	200 mL	0.1168 g	0.1172 g	0 g
680-57775-D-4			T	P9320	0.1138 g	70 mL	0.1296 g	0.1296 g	0 g
680-57775-D-5			T	P9321	0.1168 g	200 mL	0.1252 g	0.1249 g	0 g
680-57775-D-6			T	P9322	0.1165 g	110 mL	0.1321 g	0.1319 g	0 g
680-57775-D-7			T	P9323	0.1144 g	200 mL	0.1172 g	0.1171 g	0 g
680-57835-F-5			T	P9324	0.1167 g	200 mL	0.1169 g	0.1169 g	0 g
680-57835-F-13			T	P9325	0.1181 g	200 mL	0.1180 g	0.1182 g	0 g
680-57835-F-15			T	P9326	0.1194 g	200 mL	0.1197 g	0.1199 g	0 g
680-57835-F-17			T	P9327	0.1150 g	200 mL	0.1156 g	0.1157 g	0 g
680-57835-F-19			T	P9328	0.1151 g	200 mL	0.1162 g	0.1163 g	0 g
680-57835-F-25			T	P9329	0.1199 g	200 mL	0.1200 g	0.1199 g	0 g
680-57874-C-1	ISCO MW01	SM 2540D	T	P8605	0.1176 g	200 mL	0.1183 g	0.1182 g	0 g
680-57761-J-1			T	P8606	0.1192 g	200 mL	0.1306 g	0.1308 g	0 g
680-57874-A-5	ISCO IW16	SM 2540D	T	P8607	0.1182 g	200 mL	0.1189 g	0.1186 g	0 g
680-57716-H-2			T	P8608	0.1163 g	200 mL	0.1169 g	0.1167 g	0 g
680-57716-H-1			T	P8609	0.1171 g	200 mL	0.1219 g	0.1218 g	0 g
680-57739-A-1			T	P8610	0.1167 g	50 mL	0.1322 g	0.1323 g	0 g
680-57874-C-2	ISCO MW04	SM 2540D	T	P8611	0.1177 g	200 mL	0.1182 g	0.1183 g	0 g
680-57874-C-2	ISCO MW04		T	P8612	0.1168 g	200 mL	0.1178 g	0.1179 g	0 g

General Chemistry Worksheet

Batch Number: 680-169440
Method: 160.2
Analyst: Robinson, Tiffany

Date Open: May 23 2010 9:48AM
Batch End: May 24 2010 5:45PM

Lab ID	Client ID	Method Chain	Basis	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Weight of Residue 3	Final weight/volume of sample	TSS LCS_00188
MB~680-169440/1		SM 2540D		PASS_D g	0.0001 g	0.0001 g	NaN g	200 mL	
LCS~680-169440/2		SM 2540D		PASS_D g	0.0186 g	0.0187 g	NaN g	200 mL	200 mL
LCSD~680-169440/3		SM 2540D		PASS_D g	0.0191 g	0.019 g	NaN g	200 mL	200 mL
680-57761-J-2			T	PASS_D g	0.0005 g	0.0006 g	NaN g	200 mL	
680-57761-J-2			T	PASS_D g	0.0003 g	0.0003 g	NaN g	200 mL	
680-57775-D-3			T	PASS_D g	0.0182 g	0.0185 g	NaN g	200 mL	
680-57775-C-1			T	PASS_D g	0.0012 g	0.0016 g	NaN g	200 mL	
680-57775-D-4			T	PASS_D g	0.0158 g	0.0158 g	NaN g	200 mL	
680-57775-D-5			T	PASS_D g	0.0084 g	0.0081 g	NaN g	200 mL	
680-57775-D-6			T	PASS_D g	0.0156 g	0.0154 g	NaN g	200 mL	
680-57775-D-7			T	PASS_D g	0.0028 g	0.0027 g	NaN g	200 mL	
680-57835-F-5			T	PASS_D g	0.0002 g	0.0002 g	NaN g	200 mL	
680-57835-F-13			T	PASS_D g	-0.0001 g	0.0001 g	NaN g	200 mL	
680-57835-F-15			T	PASS_D g	0.0003 g	0.0005 g	NaN g	200 mL	
680-57835-F-17			T	PASS_D g	0.0006 g	0.0007 g	NaN g	200 mL	
680-57835-F-19			T	PASS_D g	0.0011 g	0.0012 g	NaN g	200 mL	
680-57835-F-25			T	PASS_D g	0.0001 g	0 g	NaN g	200 mL	
680-57874-C-1	ISCO MW01	SM 2540D	T	PASS_D g	0.0007 g	0.0006 g	NaN g	200 mL	
680-57761-J-1			T	PASS_D g	0.0114 g	0.0116 g	NaN g	200 mL	
680-57874-A-5	ISCO IW16	SM 2540D	T	PASS_D g	0.0007 g	0.0004 g	NaN g	200 mL	
680-57716-H-2			T	PASS_D g	0.0006 g	0.0004 g	NaN g	200 mL	
680-57716-H-1			T	PASS_D g	0.0048 g	0.0047 g	NaN g	200 mL	
680-57739-A-1			T	PASS_D g	0.0155 g	0.0156 g	NaN g	200 mL	
680-57874-C-2	ISCO MW04	SM 2540D	T	PASS_D g	0.0005 g	0.0006 g	NaN g	200 mL	
680-57874-C-2	ISCO MW04		T	PASS_D g	0.0010 g	0.0011 g	NaN g	200 mL	

Nominal Amount Used: 200 mL
Oven ID: A
Date samples were place in the oven: 05.23.10
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 05.24.10
Oven Temp when samples removed from oven: 105 Celsius
Balance ID: 13
Filter Paper Lot Number: 94559020116R2

General Chemistry Worksheet

Batch Number: 680-169440
Method: 160.2
Analyst: Robinson, Tiffany

Date Open: May 23 2010 9:48AM
Batch End: May 24 2010 5:45PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-169440/1		SM 2540D		
LCS~680-169440/2		SM 2540D		
LCSD~680-169440/3		SM 2540D		
680-57761-J-2			T	
680-57761-J-2			T	
680-57775-D-3			T	
680-57775-C-1			T	
680-57775-D-4			T	
680-57775-D-5			T	
680-57775-D-6			T	
680-57775-D-7			T	
680-57835-F-5			T	
680-57835-F-13			T	
680-57835-F-15			T	
680-57835-F-17			T	
680-57835-F-19			T	
680-57835-F-25			T	
680-57874-C-1	ISCO MW01	SM 2540D	T	
680-57761-J-1			T	
680-57874-A-5	ISCO IW16	SM 2540D	T	
680-57716-H-2			T	
680-57716-H-1			T	
680-57739-A-1			T	
680-57874-C-2	ISCO MW04	SM 2540D	T	
680-57874-C-2	ISCO MW04		T	

Batch Comment: n/a

General Chemistry Worksheet

Batch Number: 680-169532
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 24 2010 1:50PM
Batch End: May 24 2010 11:00PM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-169532/1		SM 2540D		P8580	0.1165 g	200 mL	0.1167 g	0.1165 g	0 g
LCS~680-169532/2		SM 2540D		P8581	0.1178 g	200 mL	0.1376 g	0.1378 g	0 g
LCSD~680-169532/3		SM 2540D		P8582	0.1166 g	200 mL	0.1360 g	0.1364 g	0 g
680-57751-A-1			T	P8583	0.1178 g	90 mL	0.1260 g	0.1264 g	0 g
680-57751-A-1~DU			T	P8584	0.1158 g	90 mL	0.1250 g	0.1248 g	0 g
680-57753-C-1			T	P8585	0.1183 g	110 mL	0.1210 g	0.1213 g	0 g
680-57846-C-1			T	P8586	0.1180 g	200 mL	0.1210 g	0.1211 g	0 g
680-57846-C-2			T	P8587	0.1150 g	200 mL	0.1202 g	0.1205 g	0 g
680-57846-C-3			T	P8588	0.1158 g	200 mL	0.1197 g	0.1199 g	0 g
680-57846-C-4			T	P8589	0.1150 g	200 mL	0.1196 g	0.1200 g	0 g
680-57874-A-4	ISCO IW06	SM 2540D	T	P8590	0.1183 g	200 mL	0.1189 g	0.1193 g	0 g
680-57758-B-1			T	P8591	0.1141 g	200 mL	0.1269 g	0.1267 g	0 g
680-57782-A-1			T	P8592	0.1174 g	200 mL	0.1283 g	0.1281 g	0 g
680-57800-B-1			T	P8593	0.1193 g	200 mL	0.1251 g	0.1251 g	0 g
680-57819-B-1			T	P8594	0.1157 g	200 mL	0.1232 g	0.1233 g	0 g
680-57835-F-27			T	P8595	0.1168 g	200 mL	0.1275 g	0.1277 g	0 g
680-57835-F-1			T	P8596	0.1182 g	200 mL	0.1184 g	0.1186 g	0 g
680-57835-F-7			T	P8597	0.1161 g	200 mL	0.1283 g	0.1285 g	0 g
680-57840-A-1			T	P8598	0.1145 g	200 mL	0.1148 g	0.1149 g	0 g
680-57840-A-2			T	P8599	0.1147 g	200 mL	0.1158 g	0.1156 g	0 g
680-57799-B-2			T	P8600	0.1176 g	180 mL	0.1263 g	0.1265 g	0 g
680-57799-B-2~DU			T	P8601	0.1181 g	180 mL	0.1272 g	0.1269 g	0 g
680-57840-A-3			T	P8602	0.1181 g	200 mL	0.1189 g	0.1187 g	0 g
680-57835-F-23			T	P8603	0.1174 g	200 mL	0.1180 g	0.1183 g	0 g
680-57835-F-11			T	P8604	0.1154 g	200 mL	0.1160 g	0.1164 g	0 g

General Chemistry Worksheet

Batch Number: 680-169532
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 24 2010 1:50PM
Batch End: May 24 2010 11:00PM

Lab ID	Client ID	Method Chain	Basis	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Weight of Residue 3	Final weight/volume of sample	TSS LCS_00188
MB~680-169532/1		SM 2540D		PASS_D g	0.0002 g	0 g	NaN g	200 mL	
LCS~680-169532/2		SM 2540D		PASS_D g	0.0198 g	0.02 g	NaN g	200 mL	200 mL
LCSD~680-169532/3		SM 2540D		PASS_D g	0.0194 g	0.0198 g	NaN g	200 mL	200 mL
680-57751-A-1			T	PASS_D g	0.0082 g	0.0086 g	NaN g	200 mL	
680-57751-A-1~DU			T	PASS_D g	0.0092 g	0.009 g	NaN g	200 mL	
680-57753-C-1			T	PASS_D g	0.0027 g	0.003 g	NaN g	200 mL	
680-57846-C-1			T	PASS_D g	0.0030 g	0.0031 g	NaN g	200 mL	
680-57846-C-2			T	PASS_D g	0.0052 g	0.0055 g	NaN g	200 mL	
680-57846-C-3			T	PASS_D g	0.0039 g	0.0041 g	NaN g	200 mL	
680-57846-C-4			T	PASS_D g	0.0046 g	0.005 g	NaN g	200 mL	
680-57874-A-4	ISCO IW06	SM 2540D	T	PASS_D g	0.0006 g	0.001 g	NaN g	200 mL	
680-57758-B-1			T	PASS_D g	0.0128 g	0.0126 g	NaN g	200 mL	
680-57782-A-1			T	PASS_D g	0.0109 g	0.0107 g	NaN g	200 mL	
680-57800-B-1			T	PASS_D g	0.0058 g	0.0058 g	NaN g	200 mL	
680-57819-B-1			T	PASS_D g	0.0075 g	0.0076 g	NaN g	200 mL	
680-57835-F-27			T	PASS_D g	0.0107 g	0.0109 g	NaN g	200 mL	
680-57835-F-1			T	PASS_D g	0.0002 g	0.0004 g	NaN g	200 mL	
680-57835-F-7			T	PASS_D g	0.0122 g	0.0124 g	NaN g	200 mL	
680-57840-A-1			T	PASS_D g	0.0003 g	0.0004 g	NaN g	200 mL	
680-57840-A-2			T	PASS_D g	0.0011 g	0.0009 g	NaN g	200 mL	
680-57799-B-2			T	PASS_D g	0.0087 g	0.0089 g	NaN g	200 mL	
680-57799-B-2~DU			T	PASS_D g	0.0091 g	0.0088 g	NaN g	200 mL	
680-57840-A-3			T	PASS_D g	0.0008 g	0.0006 g	NaN g	200 mL	
680-57835-F-23			T	PASS_D g	0.0006 g	0.0009 g	NaN g	200 mL	
680-57835-F-11			T	PASS_D g	0.0006 g	0.001 g	NaN g	200 mL	

Nominal Amount Used: 200 mL
Oven ID: C
Date samples were place in the oven: 05.24.10
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 05.24.10
Oven Temp when samples removed from oven: 105 Celsius
Balance ID: 13
Filter Paper Lot Number: 94559020116R2

General Chemistry Worksheet

Batch Number: 680-169532
Method: 160.2
Analyst: Jackson, Michelle S

Date Open: May 24 2010 1:50PM
Batch End: May 24 2010 11:00PM

Lab ID	Client ID	Method Chain	Basis	Comments: Analysis comment
MB~680-169532/1		SM 2540D		
LCS~680-169532/2		SM 2540D		
LCSD~680-169532/3		SM 2540D		
680-57751-A-1			T	
680-57751-A-1~DU			T	
680-57753-C-1			T	
680-57846-C-1			T	
680-57846-C-2			T	
680-57846-C-3			T	
680-57846-C-4			T	
680-57874-A-4	ISCO IW06	SM 2540D	T	
680-57758-B-1			T	
680-57782-A-1			T	
680-57800-B-1			T	
680-57819-B-1			T	
680-57835-F-27			T	
680-57835-F-1			T	
680-57835-F-7			T	
680-57840-A-1			T	
680-57840-A-2			T	
680-57799-B-2			T	
680-57799-B-2~DU			T	
680-57840-A-3			T	
680-57835-F-23			T	
680-57835-F-11			T	

Batch Comment: n/z

General Chemistry Worksheet

Batch Number: 680-169554
Method: SM 2320B
Analyst: Vasquez, Juana

Date Open: May 24 2010 12:25PM
Batch End: May 24 2010 3:24PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	7.0 PH BUF_00080	Alk LCS_00055
tap~h2o					InitialAmount is blank			
di					InitialAmount is blank			
ph~icv					InitialAmount is blank			
di					InitialAmount is blank			
MB~680-169554/5		SM 2320B		25 mL	BuretStart2 is blank	25 mL		
LCS~680-169554/6		SM 2320B		25 mL	BuretStart2 is blank	25 mL		25 mL
680-57874-C-1	ISCO MW01	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57874-C-2	ISCO MW04	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57874-C-3	ISCO IW05	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57874-C-4	ISCO IW06	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57874-C-5	ISCO IW16	SM 2320B	T	25 mL	BuretStart2 is blank	25 mL		
680-57873-I-1			T	25 mL	BuretStart2 is blank	25 mL		
680-57873-I-3			T	25 mL	BuretStart2 is blank	25 mL		
680-57873-I-5			T	25 mL	BuretStart2 is blank	25 mL		
680-57854-A-1			T	25 mL	BuretStart2 is blank	25 mL		
680-57854-A-1~DU			T	25 mL	BuretStart2 is blank	25 mL		
CCVPH				25 mL	BuretStart2 is blank	25 mL	25 mL	
680-57873-J-7			T	25 mL	BuretStart2 is blank	25 mL		
680-57873-J-9			T	25 mL	BuretStart2 is blank	25 mL		
680-57873-J-11			T	25 mL	BuretStart2 is blank	25 mL		
680-57918-J-1			T	25 mL	BuretStart2 is blank	25 mL		
680-57918-I-3			T	25 mL	BuretStart2 is blank	25 mL		
680-57918-J-5			T	25 mL	BuretStart2 is blank	25 mL		
680-57918-J-7			T	25 mL	BuretStart2 is blank	25 mL		
680-57918-I-9			T	25 mL	BuretStart2 is blank	25 mL		

General Chemistry Worksheet

Batch Number: 680-169554
Method: SM 2320B
Analyst: Vasquez, Juana

Date Open: May 24 2010 12:25PM
Batch End: May 24 2010 3:24PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Calculation Message	Final weight/volume of sample	7.0 PH BUF_00080	Alk LCS_00055
560-20447-A-1			T	25 mL	BuretStart2 is blank	25 mL		
560-20447-A-2			T	25 mL	BuretStart2 is blank	25 mL		
560-20447-A-2~DU			T	25 mL	BuretStart2 is blank	25 mL		
CCVPH				25 mL	BuretStart2 is blank	25 mL	25 mL	

First Start time: 1225
First End time: 1524
Nominal Amount Used: 25 mL
Normality of first Titrant: 0.02 N
Lot # of hydrochloric acid: n
HCl Vendor: n
Sulfuric Acid Lot Number: 9315
Sulfuric Acid Vendor: EMD

General Chemistry Worksheet

Batch Number: 680-169554
Method: SM 2320B
Analyst: Vasquez, Juana

Date Open: May 24 2010 12:25PM
Batch End: May 24 2010 3:24PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
tap~h2o				
di				
ph~icv				
di				
MB~680-169554/5		SM 2320B		
LCS~680-169554/6		SM 2320B		
680-57874-C-1	ISCO MW01	SM 2320B	T	
680-57874-C-2	ISCO MW04	SM 2320B	T	
680-57874-C-3	ISCO IW05	SM 2320B	T	
680-57874-C-4	ISCO IW06	SM 2320B	T	
680-57874-C-5	ISCO IW16	SM 2320B	T	
680-57873-I-1			T	
680-57873-I-3			T	
680-57873-I-5			T	
680-57854-A-1			T	
680-57854-A-1~DU			T	
CCVPH				
680-57873-J-7			T	
680-57873-J-9			T	
680-57873-J-11			T	
680-57918-J-1			T	
680-57918-I-3			T	
680-57918-J-5			T	
680-57918-J-7			T	
680-57918-I-9			T	

General Chemistry Worksheet

Batch Number: 680-169554
Method: SM 2320B
Analyst: Vasquez, Juana

Date Open: May 24 2010 12:25PM
Batch End: May 24 2010 3:24PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
560-20447-A-1			T	
560-20447-A-2			T	
560-20447-A-2~DU			T	
CCVPH				

Batch Comment: n

General Chemistry Worksheet

Batch Number: 680-169572
Method: 160.1
Analyst: Robinson, Tiffany

Date Open: May 24 2010 5:08PM
Batch End: May 25 2010 4:56PM

Lab ID	Client ID	Method Chain	Basis	Conductivity of sample	CrucibleID	Initial weight/volume of sample	Tare Weight	First Weighing	Second Weighing
MB~680-169572/1		SM 2540C			116	100 mL	77.2391 g	77.2390 g	77.2390 g
LCS~680-169572/2		SM 2540C			74	100 mL	75.6791 g	75.7292 g	75.7295 g
LCSD~680-169572/3		SM 2540C			954	100 mL	74.9975 g	75.0485 g	75.0489 g
680-57874-A-1	ISCO MW01	SM 2540C	T	324.00 umhos/cm	122	100 mL	77.2381 g	77.2568 g	77.2572 g
680-57874-A-1~DU	ISCO MW01	SM 2540C	T	324.00 umhos/cm	602	100 mL	79.8755 g	79.8953 g	79.8950 g
680-57874-A-2	ISCO MW04	SM 2540C	T	353.00 umhos/cm	73	100 mL	69.4510 g	69.4776 g	69.4778 g
680-57874-A-5	ISCO IW16	SM 2540C	T	358.00 umhos/cm	55	100 mL	76.6831 g	76.7083 g	76.7087 g
680-57764-A-1			T	5.49 umhos/cm	618	100 mL	75.9650 g	75.9674 g	75.9671 g
680-57874-A-4	ISCO IW06	SM 2540C	T	699.00 umhos/cm	114	100 mL	74.4004 g	74.4647 g	74.4649 g
680-57755-D-1			T	317.00 umhos/cm	612	100 mL	76.4424 g	76.4623 g	76.4625 g
680-57755-B-2			T	318.00 umhos/cm	607	100 mL	75.2249 g	75.2457 g	75.2458 g
680-57755-D-3			T	1357.00 umhos/cm	123	100 mL	74.2202 g	74.3025 g	74.3021 g
680-57835-F-1			T	201.00 umhos/cm	603	100 mL	76.5662 g	76.5781 g	76.5783 g
680-57835-F-3			T	253.00 umhos/cm	101	100 mL	74.7936 g	74.8073 g	74.8075 g
680-57835-F-7			T	113.30 umhos/cm	404	100 mL	79.6441 g	79.6508 g	79.6510 g
680-57835-F-9			T	0.65 umhos/cm	118	100 mL	78.3891 g	78.3887 g	78.3887 g
680-57835-F-11			T	185.60 umhos/cm	48	100 mL	74.6227 g	74.6318 g	74.6319 g
680-57835-F-21			T	338.00 umhos/cm	727	100 mL	79.7037 g	79.7207 g	79.7205 g
680-57835-F-23			T	130.10 umhos/cm	38	100 mL	71.1709 g	71.1814 g	71.1817 g
680-57742-C-43			T	193.10 umhos/cm	600	100 mL	75.8762 g	75.8870 g	75.8872 g
680-57742-C-45			T	55.30 umhos/cm	616	100 mL	77.2775 g	77.2841 g	77.2840 g
680-57791-E-1			T	405.00 umhos/cm	115	100 mL	76.7059 g	76.7304 g	76.7306 g
680-57742-C-44			T	490.00 umhos/cm	117	100 mL	75.5835 g	75.6116 g	75.6117 g
680-57742-C-42			T	193.00 umhos/cm	5	100 mL	73.5651 g	73.5744 g	73.5748 g
680-57742-C-42~DU			T	193.00 umhos/cm	41	100 mL	67.6843 g	67.6943 g	67.6945 g

General Chemistry Worksheet

Batch Number: 680-169572
Method: 160.1
Analyst: Robinson, Tiffany

Date Open: May 24 2010 5:08PM
Batch End: May 25 2010 4:56PM

Lab ID	Client ID	Method Chain	Basis	Third Weighing	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Final weight/volume of sample	TS/TDS LCS_00086
MB~680-169572/1		SM 2540C		0 g	PASS_D	-0.0001 g	-0.0001 g	100 mL	
LCS~680-169572/2		SM 2540C		0 g	PASS_D	0.0501 g	0.0504 g	100 mL	100 mL
LCSD~680-169572/3		SM 2540C		0 g	PASS_D	0.0510 g	0.0514 g	100 mL	100 mL
680-57874-A-1	ISCO MW01	SM 2540C	T	0 g	PASS_D	0.0187 g	0.0191 g	100 mL	
680-57874-A-1~DU	ISCO MW01	SM 2540C	T	0 g	PASS_D	0.0198 g	0.0195 g	100 mL	
680-57874-A-2	ISCO MW04	SM 2540C	T	0 g	PASS_D	0.0266 g	0.0268 g	100 mL	
680-57874-A-5	ISCO IW16	SM 2540C	T	0 g	PASS_D	0.0252 g	0.0256 g	100 mL	
680-57764-A-1			T	0 g	PASS_D	0.0024 g	0.0021 g	100 mL	
680-57874-A-4	ISCO IW06	SM 2540C	T	0 g	PASS_D	0.0643 g	0.0645 g	100 mL	
680-57755-D-1			T	0 g	PASS_D	0.0199 g	0.0201 g	100 mL	
680-57755-B-2			T	0 g	PASS_D	0.0208 g	0.0209 g	100 mL	
680-57755-D-3			T	0 g	PASS_D	0.0823 g	0.0819 g	100 mL	
680-57835-F-1			T	0 g	PASS_D	0.0119 g	0.0121 g	100 mL	
680-57835-F-3			T	0 g	PASS_D	0.0137 g	0.0139 g	100 mL	
680-57835-F-7			T	0 g	PASS_D	0.0067 g	0.0069 g	100 mL	
680-57835-F-9			T	0 g	PASS_D	-0.0004 g	-0.0004 g	100 mL	
680-57835-F-11			T	0 g	PASS_D	0.0091 g	0.0092 g	100 mL	
680-57835-F-21			T	0 g	PASS_D	0.0170 g	0.0168 g	100 mL	
680-57835-F-23			T	0 g	PASS_D	0.0105 g	0.0108 g	100 mL	
680-57742-C-43			T	0 g	PASS_D	0.0108 g	0.0110 g	100 mL	
680-57742-C-45			T	0 g	PASS_D	0.0066 g	0.0065 g	100 mL	
680-57791-E-1			T	0 g	PASS_D	0.0245 g	0.0247 g	100 mL	
680-57742-C-44			T	0 g	PASS_D	0.0281 g	0.0282 g	100 mL	
680-57742-C-42			T	0 g	PASS_D	0.0093 g	0.0097 g	100 mL	
680-57742-C-42~DU			T	0 g	PASS_D	0.0100 g	0.0102 g	100 mL	

Oven ID:	B	Constant Weight (WT2) Temp In:	180 Celsius
ID number of the thermometer:	GE01	Constant Weight (WT2) Date/Time Out:	05.25.10/4:10 PM
Nominal Amount Used:	100 mL	Constant Weight (WT2) Temp Out:	180 Celsius
Date samples were place in the oven:	05.24.10@105/05.25.10@180	Constant Weight (WT3) Date/time In:	N/A
Oven Temp when samples are put in oven:	105 Celsius	Constant Weight (WT3) Temp In:	N/A Celsius
Date samples were removed from oven:	05.25.10	Constant Weight (WT3) Date/Time Out:	N/A
Oven Temp when samples removed from oven:	180 Celsius	Constant Weight (WT3) Temp Out:	N/A Celsius
Balance ID:	13		
Filter Paper Lot Number:	K11740603		
Constant Weight (WT2) Date/Time in Oven:	05.25.10/12:20 PM		

General Chemistry Worksheet

Batch Number: 680-169572
Method: 160.1
Analyst: Robinson, Tiffany

Date Open: May 24 2010 5:08PM
Batch End: May 25 2010 4:56PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-169572/1		SM 2540C		
LCS~680-169572/2		SM 2540C		
LCSD~680-169572/3		SM 2540C		
680-57874-A-1	ISCO MW01	SM 2540C	T	
680-57874-A-1~DU	ISCO MW01	SM 2540C	T	
680-57874-A-2	ISCO MW04	SM 2540C	T	
680-57874-A-5	ISCO IW16	SM 2540C	T	
680-57764-A-1			T	
680-57874-A-4	ISCO IW06	SM 2540C	T	
680-57755-D-1			T	
680-57755-B-2			T	
680-57755-D-3			T	
680-57835-F-1			T	
680-57835-F-3			T	
680-57835-F-7			T	
680-57835-F-9			T	
680-57835-F-11			T	
680-57835-F-21			T	
680-57835-F-23			T	
680-57742-C-43			T	
680-57742-C-45			T	
680-57791-E-1			T	
680-57742-C-44			T	
680-57742-C-42			T	
680-57742-C-42~DU			T	

Batch Comment: N/A

General Chemistry Worksheet

Batch Number: 680-169578
Method: 160.2
Analyst: Robinson, Tiffany

Date Open: May 24 2010 7:54PM
Batch End: May 25 2010 4:08PM

Lab ID	Client ID	Method Chain	Basis	CrucibleID	Tare Weight	Initial weight/volume of sample	First Weighing	Second Weighing	Third Weighing
MB~680-169578/1		SM 2540D		P2236	0.1156 g	200 mL	0.1156 g	0.1157 g	0 g
LCS~680-169578/2		SM 2540D		P2237	0.1185 g	200 mL	0.1378 g	0.1378 g	0 g
LCSD~680-169578/3		SM 2540D		P2238	0.1188 g	200 mL	0.1384 g	0.1383 g	0 g
680-57870-G-1			T	P2239	0.1170 g	200 mL	0.1207 g	0.1210 g	0 g
680-57870-G-1~DU			T	P2240	0.1171 g	200 mL	0.1206 g	0.1209 g	0 g
680-57904-A-1			T	P2241	0.1148 g	200 mL	0.1149 g	0.1151 g	0 g
680-57904-A-2			T	P2242	0.1176 g	200 mL	0.1183 g	0.1180 g	0 g
680-57789-A-3			T	P2243	0.1138 g	200 mL	0.1177 g	0.1177 g	0 g
680-57918-F-3			T	P2244	0.1188 g	200 mL	0.1188 g	0.1187 g	0 g
680-57918-F-5			T	P2245	0.1144 g	200 mL	0.1303 g	0.1303 g	0 g
680-57874-A-3	ISCO IW05	SM 2540D	T	P2246	0.1186 g	200 mL	0.1199 g	0.1199 g	0 g
680-57831-A-1			T	P2247	0.1176 g	200 mL	0.1179 g	0.1182 g	0 g
680-57885-A-1			T	P2248	0.1165 g	140 mL	0.1182 g	0.1179 g	0 g
680-57918-F-1			T	P2249	0.1160 g	200 mL	0.1166 g	0.1164 g	0 g
680-57918-F-7			T	P2250	0.1164 g	200 mL	0.1166 g	0.1165 g	0 g
680-57918-F-9			T	P2251	0.1171 g	200 mL	0.1171 g	0.1167 g	0 g
680-57881-A-1			T	P2252	0.1163 g	200 mL	0.1165 g	0.1168 g	0 g
680-57925-A-1			T	P2253	0.1170 g	160 mL	0.1212 g	0.1210 g	0 g
680-57925-A-2			T	P2254	0.1158 g	200 mL	0.1174 g	0.1171 g	0 g
680-57925-A-3			T	P2255	0.1180 g	200 mL	0.1194 g	0.1193 g	0 g
680-57926-A-1			T	P2256	0.1139 g	200 mL	0.1157 g	0.1155 g	0 g
680-57927-A-1			T	P2257	0.1177 g	70 mL	0.1323 g	0.1319 g	0 g
680-57927-A-2			T	P2258	0.1169 g	80 mL	0.1276 g	0.1275 g	0 g
680-57882-A-3			T	P2259	0.1148 g	200 mL	0.1185 g	0.1182 g	0 g
680-57882-A-3~DU			T	P2260	0.1174 g	200 mL	0.1211 g	0.1210 g	0 g

General Chemistry Worksheet

Batch Number: 680-169578
Method: 160.2
Analyst: Robinson, Tiffany

Date Open: May 24 2010 7:54PM
Batch End: May 25 2010 4:08PM

Lab ID	Client ID	Method Chain	Basis	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Weight of Residue 3	Final weight/volume of sample	TSS LCS_00188
MB~680-169578/1		SM 2540D		PASS_D g	0.0000 g	0.0001 g	NaN g	200 mL	
LCS~680-169578/2		SM 2540D		PASS_D g	0.0193 g	0.0193 g	NaN g	200 mL	200 mL
LCSD~680-169578/3		SM 2540D		PASS_D g	0.0196 g	0.0195 g	NaN g	200 mL	200 mL
680-57870-G-1			T	PASS_D g	0.0037 g	0.004 g	NaN g	200 mL	
680-57870-G-1~DU			T	PASS_D g	0.0035 g	0.0038 g	NaN g	200 mL	
680-57904-A-1			T	PASS_D g	0.0001 g	0.0003 g	NaN g	200 mL	
680-57904-A-2			T	PASS_D g	0.0007 g	0.0004 g	NaN g	200 mL	
680-57789-A-3			T	PASS_D g	0.0039 g	0.0039 g	NaN g	200 mL	
680-57918-F-3			T	PASS_D g	0.0000 g	-0.0001 g	NaN g	200 mL	
680-57918-F-5			T	PASS_D g	0.0159 g	0.0159 g	NaN g	200 mL	
680-57874-A-3	ISCO IW05	SM 2540D	T	PASS_D g	0.0013 g	0.0013 g	NaN g	200 mL	
680-57831-A-1			T	PASS_D g	0.0003 g	0.0006 g	NaN g	200 mL	
680-57885-A-1			T	PASS_D g	0.0017 g	0.0014 g	NaN g	200 mL	
680-57918-F-1			T	PASS_D g	0.0006 g	0.0004 g	NaN g	200 mL	
680-57918-F-7			T	PASS_D g	0.0002 g	0.0001 g	NaN g	200 mL	
680-57918-F-9			T	PASS_D g	0.0000 g	-0.0004 g	NaN g	200 mL	
680-57881-A-1			T	PASS_D g	0.0002 g	0.0005 g	NaN g	200 mL	
680-57925-A-1			T	PASS_D g	0.0042 g	0.004 g	NaN g	200 mL	
680-57925-A-2			T	PASS_D g	0.0016 g	0.0013 g	NaN g	200 mL	
680-57925-A-3			T	PASS_D g	0.0014 g	0.0013 g	NaN g	200 mL	
680-57926-A-1			T	PASS_D g	0.0018 g	0.0016 g	NaN g	200 mL	
680-57927-A-1			T	PASS_D g	0.0146 g	0.0142 g	NaN g	200 mL	
680-57927-A-2			T	PASS_D g	0.0107 g	0.0106 g	NaN g	200 mL	
680-57882-A-3			T	PASS_D g	0.0037 g	0.0034 g	NaN g	200 mL	
680-57882-A-3~DU			T	PASS_D g	0.0037 g	0.0036 g	NaN g	200 mL	

Nominal Amount Used: 200 mL
Oven ID: C
Date samples were place in the oven: 05.24.10
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 05.25.10
Oven Temp when samples removed from oven: 105 Celsius
Balance ID: 13
Filter Paper Lot Number: 94559020116R2

General Chemistry Worksheet

Batch Number: 680-169578
Method: 160.2
Analyst: Robinson, Tiffany

Date Open: May 24 2010 7:54PM
Batch End: May 25 2010 4:08PM

Lab ID	Client ID	Method Chain	Basis	Analysis comment	Comments
MB~680-169578/1		SM 2540D			
LCS~680-169578/2		SM 2540D			
LCSD~680-169578/3		SM 2540D			
680-57870-G-1			T		
680-57870-G-1~DU			T		
680-57904-A-1			T		
680-57904-A-2			T		
680-57789-A-3			T		
680-57918-F-3			T		
680-57918-F-5			T		
680-57874-A-3	ISCO IW05	SM 2540D	T		
680-57831-A-1			T		
680-57885-A-1			T		
680-57918-F-1			T		
680-57918-F-7			T		
680-57918-F-9			T		
680-57881-A-1			T		
680-57925-A-1			T		
680-57925-A-2			T		
680-57925-A-3			T		
680-57926-A-1			T		
680-57927-A-1			T		
680-57927-A-2			T		
680-57882-A-3			T		
680-57882-A-3~DU			T		

Batch Comment: n/a

General Chemistry Worksheet

Batch Number: 680-169779
Method: 160.1
Analyst: Jackson, Michelle S

Date Open: May 26 2010 11:17AM
Batch End: May 27 2010 8:09PM

Lab ID	Client ID	Method Chain	Basis	Conductivity of sample	CrucibleID	Initial weight/volume of sample	Tare Weight	First Weighing	Second Weighing
MB~680-169779/1		SM 2540C			4	100 mL	69.3285 g	69.3285 g	69.3284 g
LCS~680-169779/2		SM 2540C			EH	100 mL	77.9148 g	77.9625 g	77.9628 g
LCSD~680-169779/3		SM 2540C			45	100 mL	74.9970 g	75.0422 g	75.0426 g
680-57859-N-1			T	478.00 umhos/cm	50	100 mL	77.8858 g	77.9152 g	77.9153 g
680-57859-N-1~DU			T	478.00 umhos/cm	48	100 mL	71.4525 g	71.4795 g	71.4798 g
680-57843-N-12			T	108.00 umhos/cm	88	100 mL	74.2749 g	74.2825 g	74.2827 g
680-57941-F-9			T	.21 umhos/cm	99	100 mL	73.6076 g	73.6079 g	73.6077 g
680-57941-F-11			T	105.10 umhos/cm	110	100 mL	81.3863 g	81.3938 g	81.3941 g
680-57941-F-1			T	242.00 umhos/cm	341	100 mL	72.5862 g	72.5991 g	72.5995 g
680-57941-F-13			T	373.00 umhos/cm	582	100 mL	74.2383 g	74.2592 g	74.2590 g
680-57918-F-7			T	201.00 umhos/cm	69	100 mL	75.5595 g	75.5717 g	75.5720 g
680-57918-F-9			T	238.00 umhos/cm	298	100 mL	75.9127 g	75.9270 g	75.9267 g
680-57941-F-7			T	131.30 umhos/cm	103	100 mL	76.7729 g	76.7809 g	76.7813 g
680-57941-F-3			T	68.80 umhos/cm	102	100 mL	77.6837 g	77.6887 g	77.6887 g
680-57941-F-5			T	167.80 umhos/cm	52	100 mL	71.0124 g	71.0231 g	71.0235 g
680-57947-D-1			T	303.00 umhos/cm	601	100 mL	72.4784 g	72.4984 g	72.4982 g
680-57947-D-1~DU			T	303.00 umhos/cm	619	100 mL	76.0260 g	76.0460 g	76.0464 g
680-57953-L-1			T	227.00 umhos/cm	608	100 mL	76.2476 g	76.2648 g	76.2651 g
680-57874-A-3	ISCO IW05	SM 2540C	T	724.00 umhos/cm	615	100 mL	74.8874 g	74.9451 g	74.9449 g
680-57961-A-1			T	212.00 umhos/cm	610	100 mL	83.7740 g	83.7949 g	83.7946 g
680-57961-A-2			T	1384.00 umhos/cm	70	100 mL	77.6934 g	77.7754 g	77.7755 g

General Chemistry Worksheet

Batch Number: 680-169779
Method: 160.1
Analyst: Jackson, Michelle S

Date Open: May 26 2010 11:17AM
Batch End: May 27 2010 8:09PM

Lab ID	Client ID	Method Chain	Basis	Third Weighing	Percent different between 1st & 2nd	RawResidue	Weight of Residue 2	Final weight/volume of sample	TS/TDS LCS_00086
MB~680-169779/1		SM 2540C		0 g	PASS_D	0.0000 g	-0.0001 g	100 mL	
LCS~680-169779/2		SM 2540C		0 g	PASS_D	0.0477 g	0.0480 g	100 mL	100 mL
LCSD~680-169779/3		SM 2540C		0 g	PASS_D	0.0452 g	0.0456 g	100 mL	100 mL
680-57859-N-1			T	0 g	PASS_D	0.0294 g	0.0295 g	100 mL	
680-57859-N-1~DU			T	0 g	PASS_D	0.0270 g	0.0273 g	100 mL	
680-57843-N-12			T	0 g	PASS_D	0.0076 g	0.0078 g	100 mL	
680-57941-F-9			T	0 g	PASS_D	0.0003 g	0.0001 g	100 mL	
680-57941-F-11			T	0 g	PASS_D	0.0075 g	0.0078 g	100 mL	
680-57941-F-1			T	0 g	PASS_D	0.0129 g	0.0133 g	100 mL	
680-57941-F-13			T	0 g	PASS_D	0.0209 g	0.0207 g	100 mL	
680-57918-F-7			T	0 g	PASS_D	0.0122 g	0.0125 g	100 mL	
680-57918-F-9			T	0 g	PASS_D	0.0143 g	0.0140 g	100 mL	
680-57941-F-7			T	0 g	PASS_D	0.0080 g	0.0084 g	100 mL	
680-57941-F-3			T	0 g	PASS_D	0.0050 g	0.0050 g	100 mL	
680-57941-F-5			T	0 g	PASS_D	0.0107 g	0.0111 g	100 mL	
680-57947-D-1			T	0 g	PASS_D	0.0200 g	0.0198 g	100 mL	
680-57947-D-1~DU			T	0 g	PASS_D	0.0200 g	0.0204 g	100 mL	
680-57953-L-1			T	0 g	PASS_D	0.0172 g	0.0175 g	100 mL	
680-57874-A-3	ISCO IW05	SM 2540C	T	0 g	PASS_D	0.0577 g	0.0575 g	100 mL	
680-57961-A-1			T	0 g	PASS_D	0.0209 g	0.0206 g	100 mL	
680-57961-A-2			T	0 g	PASS_D	0.0820 g	0.0821 g	100 mL	

Oven ID: B
ID number of the thermometer: GE01
Nominal Amount Used: 100 mL
Date samples were place in the oven: 05.26.10@105/05.27.10@180
Oven Temp when samples are put in oven: 105 Celsius
Date samples were removed from oven: 05.27.10
Oven Temp when samples removed from oven: 180 Celsius
Balance ID: 13
Filter Paper Lot Number: K11740603
Constant Weight (WT2) Date/Time in Oven: 05.27.10/4:25 PM
Constant Weight (WT2) Temp In: 180 Celsius
Constant Weight (WT2) Date/Time Out: 05.27.10/6:40 PM
Constant Weight (WT2) Temp Out: 180 Celsius
Constant Weight (WT3) Date/time In: n/a
Constant Weight (WT3) Temp In: n/a Celsius
Constant Weight (WT3) Date/Time Out: n/a
Constant Weight (WT3) Temp Out: n/a Celsius

General Chemistry Worksheet

Batch Number: 680-169779
Method: 160.1
Analyst: Jackson, Michelle S

Date Open: May 26 2010 11:17AM
Batch End: May 27 2010 8:09PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-169779/1		SM 2540C		
LCS~680-169779/2		SM 2540C		
LCSD~680-169779/3		SM 2540C		
680-57859-N-1			T	
680-57859-N-1~DU			T	
680-57843-N-12			T	
680-57941-F-9			T	
680-57941-F-11			T	
680-57941-F-1			T	
680-57941-F-13			T	
680-57918-F-7			T	
680-57918-F-9			T	
680-57941-F-7			T	
680-57941-F-3			T	
680-57941-F-5			T	
680-57947-D-1			T	
680-57947-D-1~DU			T	
680-57953-L-1			T	
680-57874-A-3	ISCO IW05	SM 2540C	T	
680-57961-A-1			T	
680-57961-A-2			T	

Batch Comment: n/a

General Chemistry Worksheet

Batch Number: 680-169882
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 26 2010 5:43PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	All_Anions_00019	Anion-4_00050	Anion_ICV_00040
CCV~680-169882/3		300.0		5 mL		5 mL	
MB~680-169882/4		300.0		5 mL			
LCS~680-169882/5		300.0		5 mL			5 mL
640-27850-G-1			T	5 mL			
640-27850-G-2			T	5 mL			
640-27850-G-3			T	5 mL			
680-57674-B-2			T	5 mL			
680-57874-B-1	ISCO MW01	300.0	T	5 mL			
680-57874-B-2	ISCO MW04	300.0	T	5 mL			
680-57874-B-3	ISCO IW05	300.0	T	5 mL			
680-57874-B-4	ISCO IW06	300.0	T	5 mL			
680-57874-B-5	ISCO IW16	300.0	T	5 mL			
680-57874-B-5~MS	ISCO IW16	300.0	T	5 mL	50 uL		
CCV~680-169882/16		300.0		5 mL		5 mL	
CCB~680-169882/17		300.0		5 mL			
680-57805-H-1			T	5 mL			
680-57805-H-2			T	5 mL			
680-57805-H-3			T	5 mL			
680-57805-H-4			T	5 mL			
680-57805-H-5			T	5 mL			
680-57805-H-6			T	5 mL			
680-57870-I-1			T	5 mL			
680-57870-I-2			T	5 mL			
680-57870-I-2~MS			T	5 mL	50 uL		
CCV~680-169882/27				5 mL		5 mL	

General Chemistry Worksheet

Batch Number: 680-169882
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 26 2010 5:43PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	All_Anions_00019	Anion-4_00050	Anion_ICV_00040
CCB~680-169882/28				5 mL			

Filter Lot #: P/N 038009
Eluent 1 Lot: SN 100301535013
Regeneration Solution Lot: N/A
Ethylenediamine Lot: N/A

General Chemistry Worksheet

Batch Number: 680-169882
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 26 2010 5:43PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCV~680-169882/3		300.0		
MB~680-169882/4		300.0		
LCS~680-169882/5		300.0		
640-27850-G-1			T	
640-27850-G-2			T	
640-27850-G-3			T	
680-57674-B-2			T	
680-57874-B-1	ISCO MW01	300.0	T	
680-57874-B-2	ISCO MW04	300.0	T	
680-57874-B-3	ISCO IW05	300.0	T	
680-57874-B-4	ISCO IW06	300.0	T	
680-57874-B-5	ISCO IW16	300.0	T	
680-57874-B-5~MS	ISCO IW16	300.0	T	
CCV~680-169882/16		300.0		
CCB~680-169882/17		300.0		
680-57805-H-1			T	
680-57805-H-2			T	
680-57805-H-3			T	
680-57805-H-4			T	
680-57805-H-5			T	
680-57805-H-6			T	
680-57870-I-1			T	
680-57870-I-2			T	
680-57870-I-2~MS			T	
CCV~680-169882/27				

General Chemistry Worksheet

Batch Number: 680-169882
Method: 300.0
Analyst: Brazell, Connie

Date Open: May 26 2010 5:43PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
CCB~680-169882/28				

Batch Comment: NONE

General Chemistry Worksheet

Batch Number: 680-169945
Method: SM 5310B
Analyst: Blackshear, Kim

Date Open: May 27 2010 11:43AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00009	TOC LCS_00036
MB~680-169945/1		SM 5310B		25 mL	25 mL		
LCS~680-169945/2		SM 5310B		25 mL	25 mL		25 mL
680-57874-D-1	ISCO MW01	SM 5310B	T	25 mL	25 mL		
680-57874-D-2	ISCO MW04	SM 5310B	T	25 mL	25 mL		
680-57874-D-3	ISCO IW05	SM 5310B	T	25 mL	25 mL		
680-57874-D-4	ISCO IW06	SM 5310B	T	25 mL	25 mL		
680-57874-D-5	ISCO IW16	SM 5310B	T	25 mL	25 mL		
680-57715-J-6			T	25 mL	25 mL		
680-57715-J-6~MS			T	25 mL	25 mL	0.25 mL	
680-57715-J-6~MSD			T	25 mL	25 mL	0.25 mL	

HCl Vendor: Mallinckrodt
Lot # of hydrochloric acid: 50% HCl-00006

General Chemistry Worksheet

Batch Number: 680-169945
Method: SM 5310B
Analyst: Blackshear, Kim

Date Open: May 27 2010 11:43AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-169945/1		SM 5310B		
LCS~680-169945/2		SM 5310B		
680-57874-D-1	ISCO MW01	SM 5310B	T	
680-57874-D-2	ISCO MW04	SM 5310B	T	
680-57874-D-3	ISCO IW05	SM 5310B	T	
680-57874-D-4	ISCO IW06	SM 5310B	T	
680-57874-D-5	ISCO IW16	SM 5310B	T	
680-57715-J-6			T	
680-57715-J-6~MS			T	
680-57715-J-6~MSD			T	

Batch Comment: N/A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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CHAIN OF CUSTODY RECORD

Report to:
Company: Panther Technologies, INC
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Contact: Kevin Dyson
Phone: (609) 714-2420
Fax: (609) 714-2495
Contract/ Quote:

Invoice to:
Company: (SAME)
Address:
Contact:
Phone:
Fax:

ANALYSIS REQUESTED

NOTE: SAMPLES IW05 & IW06 CONTAIN RESIDUAL POTASSIUM PERMANGANATE.

Lab Use Only
Due Date:

Temp. of coolers when received (C°):
1 | 2 | 3 | 4 | 5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Sampler's Name: Jon Simpson
Sampler's Signature:

Proj. No.: 1303001
Project Name: Lawrence Aviation SPPD Site

Matrix[1]	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 250	250 ml	P/O	TSS	TDS	Cl	Alk	Sulfate	TOC	Lab/Sample ID (Lab Use Only)
W	5/17	1600		X	ISCO MW01		1	1	2	X	X				X	
W	5/17	0930			ISCO MW04		1	1	2							
W	5/20	1100			ISCO IW05		1	1	2							
W	5/18	1200			ISCO IW06		1	1	2							
W	5/17	~~1600~~ 1030			ISCO IW16		1	1	2							
					~~FB~~ FB.											680-57874

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jon Simpson	5/20/10	1430.	Bertha Daughtry	5/21/10	1017
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks: PLEASE NOTE: 7-DAY TURNAROUND REQUESTED.
Temp. 2.4/0.8

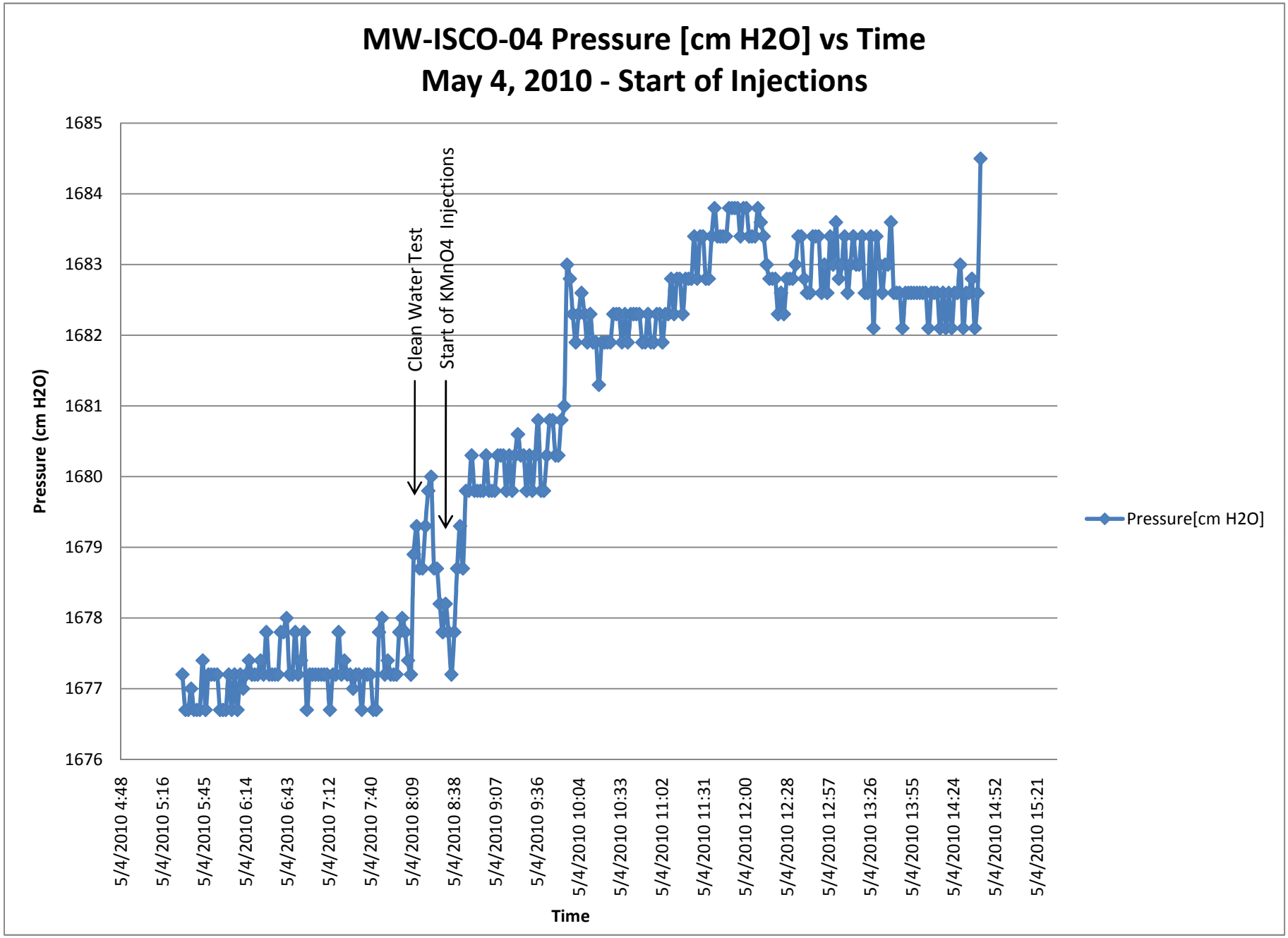
Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

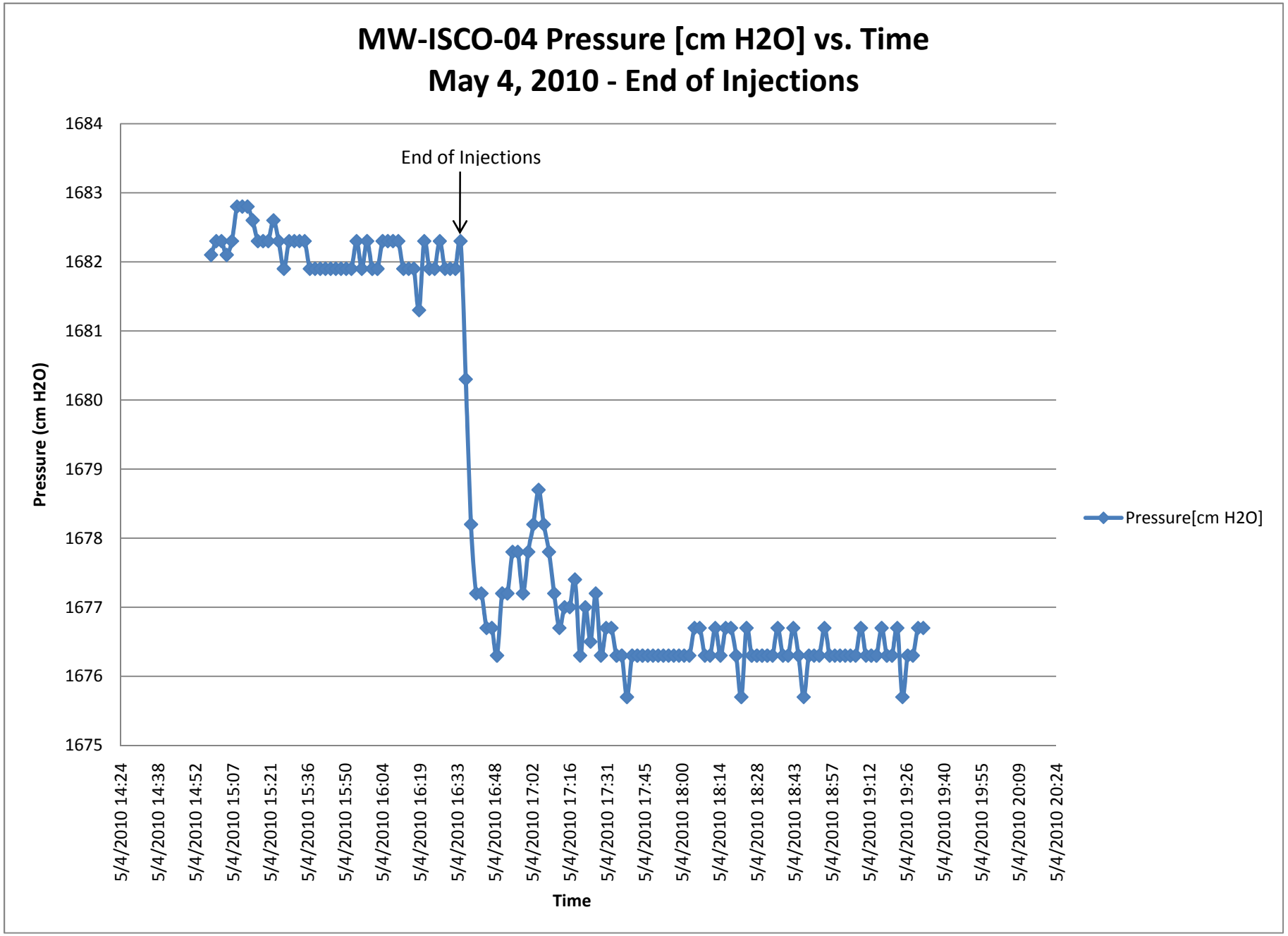
[1]Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
[2]Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

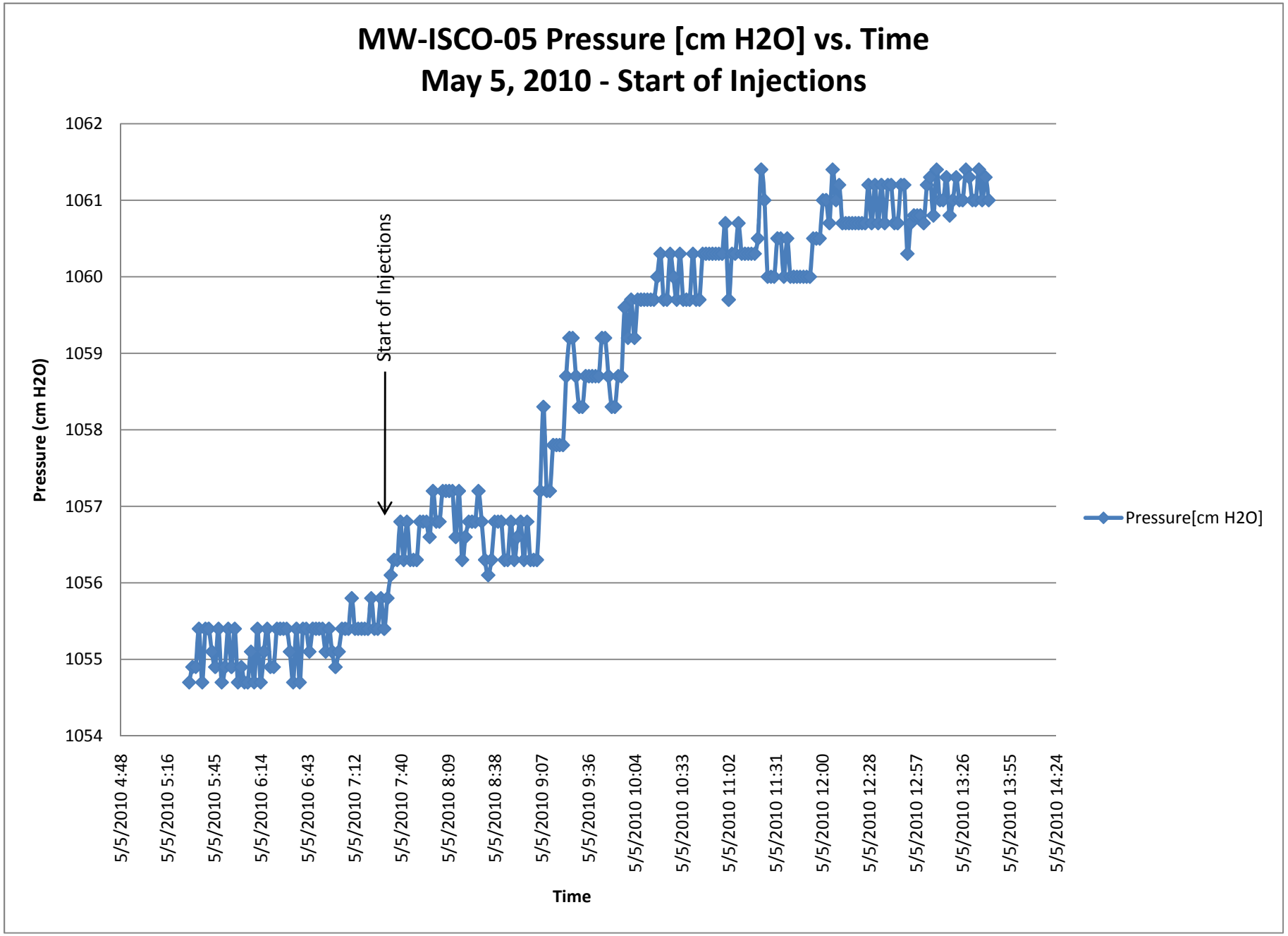
TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919

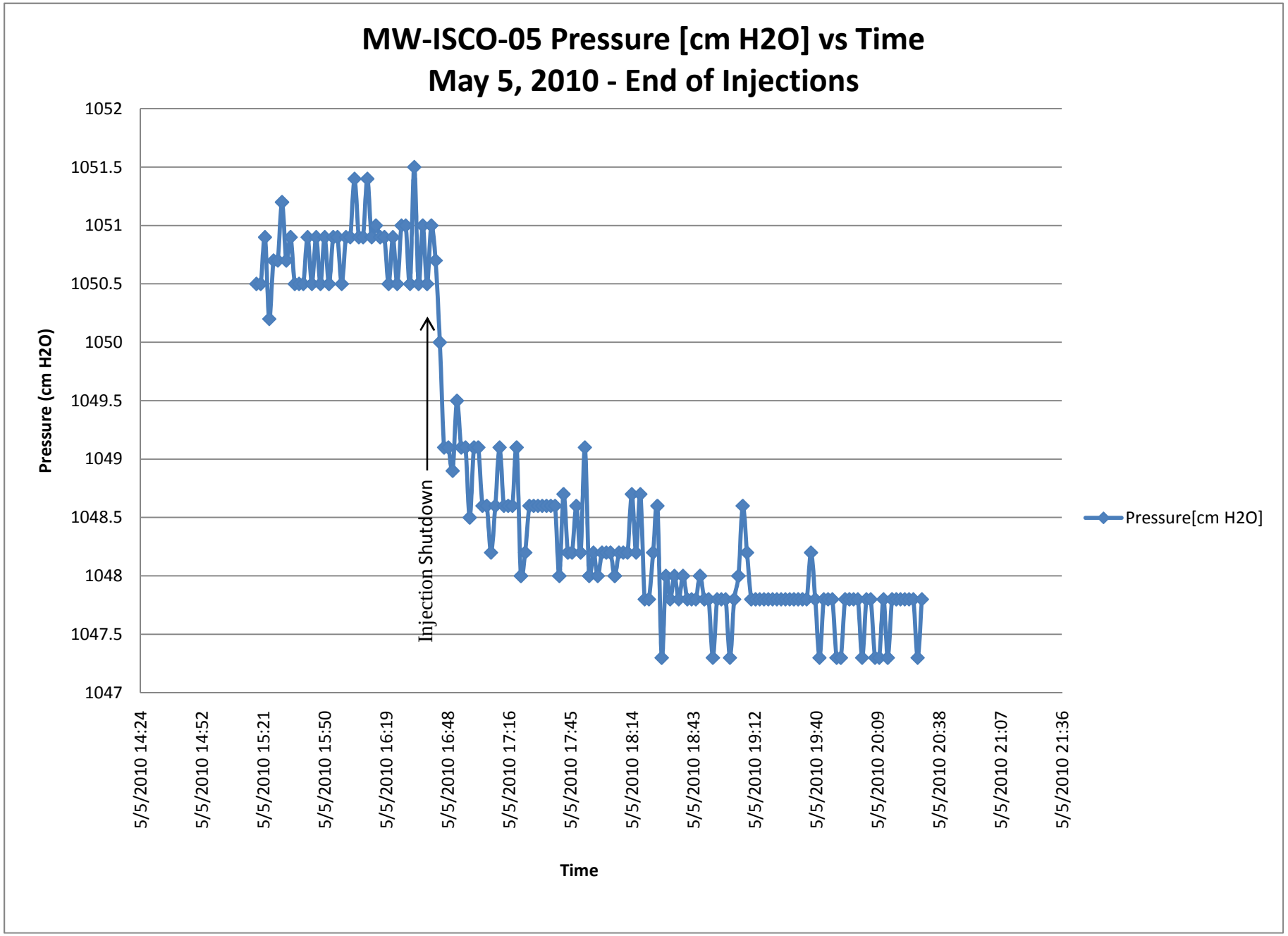
TAL-8234(1007)

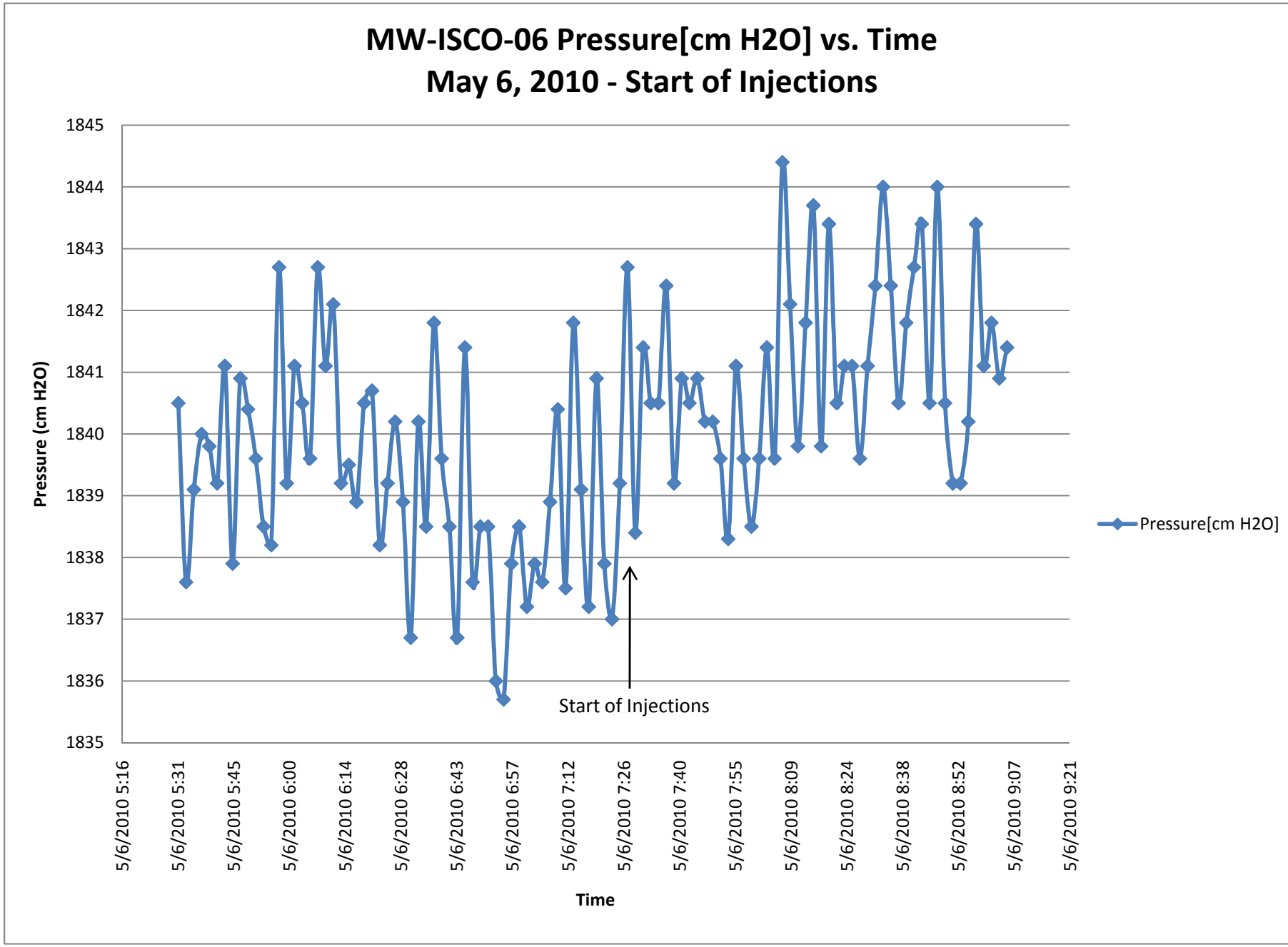
APPENDIX F
SELECT DATALOGGER OUTPUTS
LAWRENCE AVIATION SUPERFUND SITE
PORT JEFFERSON, NEW YORK

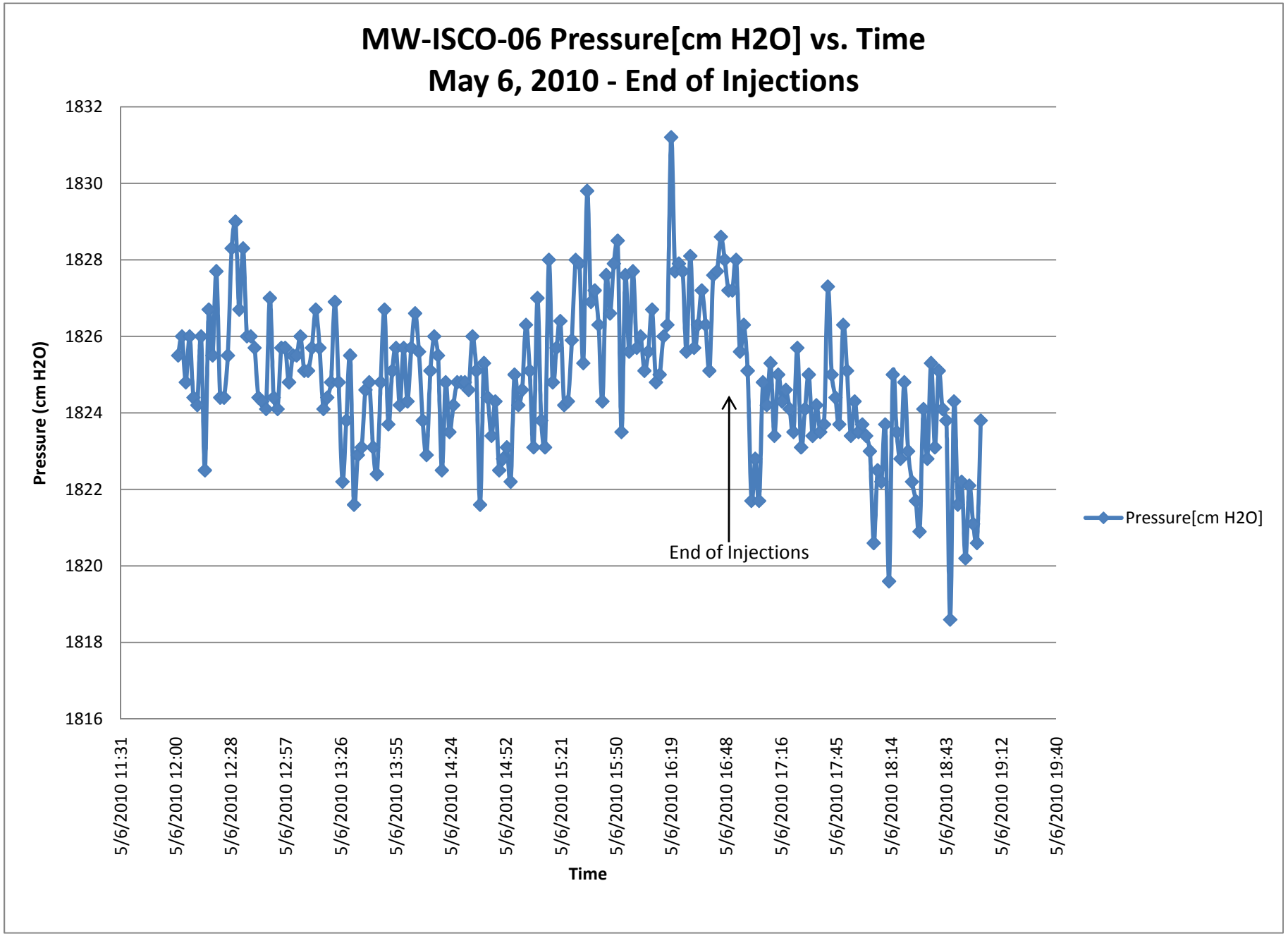

MW-ISCO-04 Pressure [cm H2O] vs Time
May 4, 2010 - Start of Injections
Pressure (cm H2O)
1685
1684
1683
1682
1681
1680
1679
1678
1677
1676
Clean Water Test
Start of KMnO4 Injections
5/4/2010 4:48
5/4/2010 5:16
5/4/2010 5:45
5/4/2010 6:14
5/4/2010 6:43
5/4/2010 7:12
5/4/2010 7:40
5/4/2010 8:09
5/4/2010 8:38
5/4/2010 9:07
5/4/2010 9:36
5/4/2010 10:04
5/4/2010 10:33
5/4/2010 11:02
5/4/2010 11:31
5/4/2010 12:00
5/4/2010 12:28
5/4/2010 12:57
5/4/2010 13:26
5/4/2010 13:55
5/4/2010 14:24
5/4/2010 14:52
5/4/2010 15:21
Time
Pressure[cm H2O]


MW-ISCO-04 Pressure [cm H2O] vs. Time
May 4, 2010 - End of Injections
End of Injections
Pressure (cm H2O)
1684
1683
1682
1681
1680
1679
1678
1677
1676
1675
5/4/2010 14:24
5/4/2010 14:38
5/4/2010 14:52
5/4/2010 15:07
5/4/2010 15:21
5/4/2010 15:36
5/4/2010 15:50
5/4/2010 16:04
5/4/2010 16:19
5/4/2010 16:33
5/4/2010 16:48
5/4/2010 17:02
5/4/2010 17:16
5/4/2010 17:31
5/4/2010 17:45
5/4/2010 18:00
5/4/2010 18:14
5/4/2010 18:28
5/4/2010 18:43
5/4/2010 18:57
5/4/2010 19:12
5/4/2010 19:26
5/4/2010 19:40
5/4/2010 19:55
5/4/2010 20:09
5/4/2010 20:24
Time
Pressure[cm H2O]


MW-ISCO-05 Pressure [cm H2O] vs. Time
May 5, 2010 - Start of Injections
Pressure (cm H2O)
1062
1061
1060
1059
1058
1057
1056
1055
1054
Start of Injections
5/5/2010 4:48
5/5/2010 5:16
5/5/2010 5:45
5/5/2010 6:14
5/5/2010 6:43
5/5/2010 7:12
5/5/2010 7:40
5/5/2010 8:09
5/5/2010 8:38
5/5/2010 9:07
5/5/2010 9:36
5/5/2010 10:04
5/5/2010 10:33
5/5/2010 11:02
5/5/2010 11:31
5/5/2010 12:00
5/5/2010 12:28
5/5/2010 12:57
5/5/2010 13:26
5/5/2010 13:55
5/5/2010 14:24
Time
Pressure[cm H2O]


MW-ISCO-05 Pressure [cm H2O] vs Time
May 5, 2010 - End of Injections
Pressure (cm H2O)
1052
1051.5
1051
1050.5
1050
1049.5
1049
1048.5
1048
1047.5
1047
Injection Shutdown
5/5/2010 14:24
5/5/2010 14:52
5/5/2010 15:21
5/5/2010 15:50
5/5/2010 16:19
5/5/2010 16:48
5/5/2010 17:16
5/5/2010 17:45
5/5/2010 18:14
5/5/2010 18:43
5/5/2010 19:12
5/5/2010 19:40
5/5/2010 20:09
5/5/2010 20:38
5/5/2010 21:07
5/5/2010 21:36
Time
Pressure[cm H2O]


MW-ISCO-06 Pressure[cm H2O] vs. Time
May 6, 2010 - Start of Injections
Pressure (cm H2O)
1845
1844
1843
1842
1841
1840
1839
1838
1837
1836
1835
Start of Injections
5/6/2010 5:16
5/6/2010 5:31
5/6/2010 5:45
5/6/2010 6:00
5/6/2010 6:14
5/6/2010 6:28
5/6/2010 6:43
5/6/2010 6:57
5/6/2010 7:12
5/6/2010 7:26
5/6/2010 7:40
5/6/2010 7:55
5/6/2010 8:09
5/6/2010 8:24
5/6/2010 8:38
5/6/2010 8:52
5/6/2010 9:07
5/6/2010 9:21
Time
Pressure[cm H2O]


MW-ISCO-06 Pressure[cm H2O] vs. Time
May 6, 2010 - End of Injections
Pressure (cm H2O)
1832
1830
1828
1826
1824
1822
1820
1818
1816
End of Injections
5/6/2010 11:31
5/6/2010 12:00
5/6/2010 12:28
5/6/2010 12:57
5/6/2010 13:26
5/6/2010 13:55
5/6/2010 14:24
5/6/2010 14:52
5/6/2010 15:21
5/6/2010 15:50
5/6/2010 16:19
5/6/2010 16:48
5/6/2010 17:16
5/6/2010 17:45
5/6/2010 18:14
5/6/2010 18:43
5/6/2010 19:12
5/6/2010 19:40
Time
Pressure[cm H2O]